

AD-A131 197

BLYTHEVILLE AFB ARKANSAS REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 83

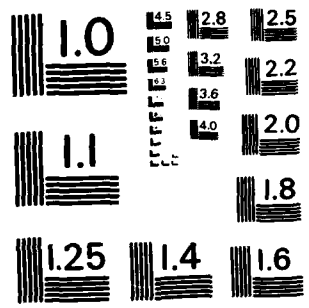
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MICROCOPY RESOLUTION TEST CHART
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Air Weather Service (MAC)

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REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

[Faint, mostly illegible text follows]

JUN 30 1983

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| REPORT DOCUMENTATION PAGE | | READ INSTRUCTIONS BEFORE COMPLETING FORM |
|--|--|---|
| 1. REPORT NUMBER USAFETAC/DS -83/025 * | 2. GOVT ACCESSION NO. AD 7131 197 | 3. RECIPIENT'S CATALOG NUMBER |
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| 18. SUPPLEMENTARY NOTES SUPERSEDES REPT. NO. USAFETAC/DS-79/054 | | |
| 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSWO Daily temperatures 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 BLYTHEVILLE AFB, ARKANSAS 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 (over) | | |

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

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

*ARKANSAS

*ELYTHEVILLE AFB

*

20. 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 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 occurring tables.

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

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

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

DAILY OBSERVATIONS

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

DESCRIPTION OF SUMMARIES

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

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

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV

(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

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

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

| | | | | | | |
|---------------------------------|--|---------------------|-----------------------|------------------------|------------------|------------|
| STATION NO ON SUMMARY 723408 | STATION NAME BLYTHEVILLE AFB ARKANSAS | LATITUDE N 35 58 | LONGITUDE W 089 57 | FIELD ELEV. FT. 254 | CALL SIGN BYH | WMO NUMBER |
|---------------------------------|--|---------------------|-----------------------|------------------------|------------------|------------|

STATION LOCATION AND INSTRUMENTATION HISTORY

| NUMBER OF LOCATION | GEOGRAPHICAL LOCATION & NAME | TYPE OF STATION | AT THIS LOCATION | | LATITUDE | LONGITUDE | ELEVATION ABOVE MSL | | OBS PER DAY |
|--------------------|------------------------------|-----------------|------------------|--------|----------|-----------|---------------------|----------|-------------|
| | | | FROM | TO | | | FIELD (FT) | HT BARD. | |
| 1 | Blytheville AFB Arkansas | AFB | Nov 55 | Mar 56 | N 35 58 | W089 57 | 264 ft | N/A | 24 |
| 2 | Same | Same | Apr 56 | Jul 56 | Same | Same | Same | 253 ft | 24 |
| 3 | Same | Same | Aug 56 | Jan 60 | Same | W089 57 | Same | Same | 24 |
| 4 | Same | Same | Feb 60 | Dec 73 | Same | Same | 254 ft | 254 | 24 |
| 5 | Same | Same | Jan 74 | Feb 78 | Same | Same | Same | Same | 24 |
| 6 | Same | Same | Mar 78 | Mar 83 | Same | Same | Same | Same | 24 |

| 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 | |
| 1 | Nov 55 | Located on top of Base Operations Bldg. | AN/GMQ 1 | ML-204B | 30 ft | |
| 2 | Apr 58 | Located 3300 ft NNE of Wea Station | AN/GMQ 11 | RO-2 | 15 ft | |
| 3 | Feb 60 | Located about 80 ft E of Rnwy, NE of Weather Station. | Same | Same | 12 ft | |
| 4 | Apr 60 | Located across active Rnwy 1/4 Mile E of Base Operations Bldg. | Same | Same | 15 ft | |
| 5 | Apr 63 | Located E of Base Oper at the center and S end of active Rnwy | GMQ-11 | RO-2 | 15 ft | |
| 6 | Apr 64 | Located E of Base Operations at the N and S end of active Rnwy. | Same | Same | Same | |
| 7 | Jan 70 | Dual Instrumented 1. Located 500 ft W of centerline | AN/GMQ 11 | RO-2 | Same | |

USAFETAC

FORM NOV 73

0-19 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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 | |
| 8 | Feb 78 | 225 ft from end of Rnwy 35. | Same | | Same |
| | | 2. Located 500 ft W of centerline 1000 ft from end of Rnwy 17. | Same | Same | Same |
| 9. | Mar 83 | 1. Same | Same | | Same |
| | | 2. Same | Same | | Same |
| | | Dual Instrumented | | | |
| | | 1. Located 500 ft west of centerline, 225 ft from end of runway 36. | AN/GMQ-11 | RO-2 | Same |
| | | 2. Located 500 ft west of centerline, 1000 ft from end of runway 18. | | | |

PART A

WEATHER CONDITIONS

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

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

A percent value of ".01" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

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

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

72340P ELYTHEVILLE AFB AFB 73-82 JAN
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST) | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|--------|----------------|-------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| JAN | 00-02 | 1.5 | 11.4 | 2.2 | 5.8 | | 18.3 | 17.0 | 3.7 | 1.1 | | 20.0 | 930 |
| | 03-05 | .9 | 10.3 | 2.4 | 4.4 | | 16.2 | 18.7 | 3.9 | 1.0 | | 21.0 | 930 |
| | 06-08 | .1 | 6.4 | 1.8 | 5.1 | | 14.2 | 26.9 | 8.0 | 1.4 | .1 | 31.5 | 930 |
| | 09-11 | .3 | 7.4 | 1.0 | 6.7 | | 14.2 | 26.2 | 13.9 | 1.3 | | 36.1 | 930 |
| | 12-14 | .2 | 9.1 | 1.1 | 5.2 | | 14.6 | 16.6 | 12.9 | .5 | | 24.1 | 930 |
| | 15-17 | .5 | 8.8 | 1.3 | 4.6 | | 14.0 | 16.2 | 9.7 | .6 | | 24.2 | 930 |
| | 18-20 | .9 | 9.4 | 2.5 | 2.3 | | 14.0 | 16.0 | 6.9 | .3 | | 20.5 | 930 |
| | 21-23 | 1.0 | 8.2 | 3.0 | 4.1 | | 14.5 | 17.1 | 4.3 | .6 | | 20.2 | 930 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .7 | 9.1 | 1.9 | 4.8 | | 15.0 | 19.4 | 7.9 | .9 | .0 | 25.2 | 7440 |

CENTRAL CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAC

WEATHER CONDITIONS

7234 AF STATION WYTHEVILLI AFB AR STATION NAME 73-82 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS EST | THUNDER- STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|--------------|--------------------|---------------------------|----------------------------------|-------------------------|------|----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| FEB | 0-24 | .9 | 6.2 | .6 | 3.1 | | 11.7 | 18.4 | 6.1 | .2 | .5 | 27.0 | 946 |
| | 03-06 | .9 | 6.9 | .7 | 3.1 | | 10.6 | 20.1 | 4.7 | .5 | .2 | 22.0 | 946 |
| | 06-09 | .2 | 6.3 | .2 | 4.3 | | 10.5 | 27.5 | 14.1 | .1 | | 35.7 | 945 |
| | 09-11 | .1 | 5.7 | | 4.7 | | 10.0 | 21.5 | 24.6 | .6 | | 41.3 | 946 |
| | 12-14 | 1.2 | 6.7 | .2 | 3.0 | .1 | 9.7 | 16.0 | 23.9 | .4 | .3 | 37.5 | 946 |
| | 15-17 | 1.1 | 6.6 | .5 | 4.0 | | 10.8 | 14.4 | 21.3 | .5 | .7 | 34.3 | 946 |
| | 18-2 | .8 | 6.1 | .1 | 3.4 | | 9.5 | 15.0 | 15.0 | | .5 | 27.4 | 946 |
| | 21-23 | 1.7 | 9.3 | .6 | 3.3 | | 12.8 | 16.0 | 8.3 | .4 | .5 | 21.7 | 946 |
| TOTALS | | .9 | 6.9 | .4 | 3.6 | .1 | 10.7 | 18.6 | 14.8 | .4 | .4 | 30.4 | 6767 |

GENERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE /MAC

WEATHER CONDITIONS

723418
 STATION

SLYTHEVILLE AFB AB
 STATION NAME

73-82

YEARS

MAP
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS OBS. | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|--------|---------------|-------------------|---------------------------|----------------------------------|-------------------------|------|-----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| MAP | 0-02 | 2.0 | 11.3 | | .4 | | 11.6 | 11.2 | 2.2 | .1 | | 12.2 | 930 |
| | 3-05 | 2.2 | 9.4 | .1 | .9 | | 10.0 | 11.9 | 2.0 | .1 | | 12.3 | 930 |
| | 06-08 | 1.6 | 11.2 | .1 | .4 | | 11.6 | 24.0 | 13.9 | .1 | .1 | 33.0 | 929 |
| | 09-11 | 1.2 | 10.3 | .4 | .6 | | 11.4 | 14.5 | 16.7 | .3 | .6 | 28.6 | 930 |
| | 12-14 | 1.3 | 10.0 | .1 | .6 | | 10.8 | 9.5 | 12.7 | .3 | .4 | 21.4 | 930 |
| | 15-17 | 1.9 | 11.6 | | .4 | | 11.9 | 9.5 | 12.6 | .3 | .2 | 20.0 | 930 |
| | 18-20 | 1.9 | 11.8 | .4 | .3 | | 12.5 | 9.1 | 9.1 | .3 | | 17.1 | 930 |
| | 21-23 | 2.5 | 10.1 | .1 | .0 | | 10.0 | 9.0 | 4.6 | .3 | | 12.2 | 930 |
| TOTALS | | 1.8 | 10.7 | .2 | .5 | | 11.3 | 12.3 | 9.0 | .2 | .2 | 18.9 | 7439 |

CENTRAL CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SECTION

WEATHER CONDITIONS

02746 WLYTHEVILL AFB AP 73-82 AP
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS OBS. | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|--------|---------------|-------------------|---------------------------|----------------------------------|-------------------------|------|----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| APR | 0-22 | 3.3 | 11.7 | | | | 11.7 | 5.6 | 2.9 | | | | 900 |
| | 23-30 | 2.8 | 10.2 | | | | 10.2 | 5.4 | 3.6 | | | 11.3 | 900 |
| | 1-5 | 1.0 | 6.8 | | | | 3.8 | 18.0 | 12.3 | | | 2.1 | 899 |
| | 6-11 | 1.6 | 7.2 | | | | 5.2 | 6.0 | 5.6 | | .4 | 15.3 | 900 |
| | 12-14 | 2.2 | 9.1 | | | | 9.1 | 4.7 | 6.4 | | .9 | 11.2 | 900 |
| | 15-17 | 1.9 | 7.8 | | | | 7.8 | 3.3 | 5.5 | | 1.2 | 9.7 | 900 |
| | 18-20 | 3.2 | 9.9 | | | | 9.9 | 4.3 | 5.8 | | .3 | 10.1 | 900 |
| | 21-23 | 3.9 | 9.0 | | | | 9.0 | 3.9 | 4.3 | | | 7.7 | 900 |
| TOTALS | | 2.5 | 7.5 | | | | 9.5 | 7.0 | 6.2 | | .4 | 12.4 | 7199 |

U.S. AIR FORCE
 FEDERAL BUREAU OF INVESTIGATION
 AIR WEATHER SERVICE/MAJ

WEATHER CONDITIONS

123456
 STATION

SLYTHEVILL AFB AF
 STATION NAME

73-52

YEARS

MAY
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS LST | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HALE | % 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 | 0-22 | 5.0 | 8.8 | | | | 8.8 | 10.8 | 8.7 | | | 17.5 | 929 |
| | 23-24 | 3.7 | 10.1 | | | | 10.1 | 24.3 | 11.4 | | | 35.4 | 930 |
| | 5-23 | 2.8 | 11.5 | | | | 11.5 | 20.9 | 20.2 | | .1 | 41.6 | 930 |
| | 9-11 | 2.0 | 7.6 | | | | 8.6 | 9.1 | 24.5 | | .4 | 32.2 | 930 |
| | 12-14 | 3.4 | 8.5 | | | | 8.5 | 3.4 | 17.5 | | .4 | 21.9 | 930 |
| | 15-17 | 4.4 | 8.2 | | | | 8.2 | 5.1 | 13.0 | | .1 | 17.5 | 930 |
| | 18-2 | 4.6 | 7.6 | | | .1 | 7.6 | 6.2 | 11.7 | | | 16.8 | 930 |
| | 21-23 | 5.2 | 7.3 | | | | 7.3 | 6.2 | 6.9 | | | 13.9 | 930 |
| TOTALS | | 3.9 | 8.8 | | | .1 | 8.8 | 11.8 | 15.2 | | .1 | 24.2 | 7439 |

FEDERAL CLIMATOLOGY BRANCH
 WFO/TAC
 AIR WEATHER SERVICE/MAA

WEATHER CONDITIONS

234.8 STATION BLYTHEVILLE AFB AP STATION NAME 73-52 YEARS JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS -LST- | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|--------|----------------|-------------------|---------------------------|----------------------------------|-------------------------|------|----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| JUN | 00-02 | 2.9 | 5.7 | | | | 1.0 | 9.6 | 10.4 | | | 1.3 | 900 |
| | 03-05 | 2.3 | 5.1 | | | | 5.1 | 19.1 | 16.9 | | | 2.1 | 998 |
| | 06-08 | .3 | 2.7 | | | | 2.7 | 19.4 | 12.2 | | | 4.4 | 900 |
| | 09-11 | 1.4 | 5.2 | | | | 3.2 | 4.2 | 21.1 | | | 23.7 | 900 |
| | 12-14 | 2.9 | 4.6 | | | | 4.8 | 1.6 | 15.0 | | .4 | 16.5 | 900 |
| | 15-17 | 3.0 | 5.4 | | | | 5.4 | 2.2 | 14.6 | | .2 | 16.7 | 900 |
| | 18-20 | 3.2 | 5.2 | | | | 5.2 | 3.3 | 15.2 | | | 17.7 | 900 |
| | 21-23 | 2.1 | 3.8 | | | | 3.8 | 5.1 | 12.6 | | | 15.4 | 900 |
| TOTALS | | 2.3 | 4.4 | | | | 4.4 | 7.9 | 17.3 | | .1 | 22.1 | 7198 |

CENTRAL CLIMATOLOGY BRANCH
 AFM ETAC
 AIR WEATHER SERVICE /MAC

WEATHER CONDITIONS

723419 STATION 03LYTHEVILLE AFB AP 73-92 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS EST | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & C 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 | 03-02 | 1.8 | 2.0 | | | | 2.0 | 10.6 | 14.7 | | | 21.5 | 930 |
| | 3-05 | 1.1 | 2.6 | | | | 2.6 | 24.2 | 26.6 | | | 40.6 | 930 |
| | 06-08 | 1.1 | 3.1 | | | | 3.1 | 21.1 | 47.4 | | | 50.4 | 930 |
| | 9-11 | 1.0 | 3.5 | | | | 3.5 | 6.2 | 38.0 | | | 39.6 | 930 |
| | 12-14 | 3.1 | 2.9 | | | | 2.9 | 1.0 | 22.3 | | | 22.9 | 930 |
| | 15-17 | 5.9 | 4.1 | | | | 4.1 | .4 | 19.8 | | | 20.2 | 930 |
| | 18-20 | 5.1 | 4.6 | | | | 4.6 | 1.4 | 16.4 | | .1 | 16.5 | 930 |
| | 21-23 | 3.3 | 4.2 | | | | 4.2 | 4.3 | 17.6 | | .1 | 19.6 | 930 |
| TOTALS | | 2.8 | 3.4 | | | | 3.4 | 9.9 | 25.2 | | .0 | 30.5 | 7440 |

FEDERAL CLIMATOLOGY BRANCH
 AFCELTAC
 AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

12340
 STATION

WLYTHEVILL AFB AF
 STATION NAME

73-82

YEARS

ALL
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS OBS | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|-------|--------------|-------------------|---------------------------|----------------------------------|-------------------------|------|----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| | 00-04 | 1.3 | 3.1 | | | | 3.1 | 15.3 | 10.1 | | | 28.5 | 930 |
| | 5-9 | 1.9 | 4.7 | | | | 4.9 | 35.5 | 23.8 | | | 46.1 | 930 |
| | 10-14 | 1.4 | 5.1 | | | | 5.1 | 47.3 | 49.7 | | | 71.4 | 930 |
| | 15-19 | 1.0 | 4.4 | | | | 4.4 | 9.1 | 41.5 | | | 41.5 | 930 |
| | 20-24 | 2.8 | 4.8 | | | | 4.8 | 2.3 | 20.5 | | | 22.8 | 930 |
| | 25-29 | 3.8 | 5.1 | | | | 5.1 | 1.9 | 22.9 | | | 24.2 | 930 |
| | 30-31 | 2.4 | 4.1 | | | | 4.1 | 4.1 | 21.4 | | .1 | 24.2 | 930 |
| | TOTALS | 1.3 | 4.4 | | | | 4.4 | 15.3 | 27.6 | | .1 | 37.2 | 7400 |

FEDERAL CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/HAC

WEATHER CONDITIONS

723408
 STATION

OLYTHEVILLE AFB AP
 STATION NAME

73-87

YEARS

SEP
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS LST | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO OF OBS |
|--------|--------------|-------------------|---------------------------|----------------------------------|-------------------------|------|----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|-----------------------|
| SEP | 00-02 | 1.4 | 5.9 | | | | 5.9 | 21.9 | 18.2 | | | 30.7 | 900 |
| | 03-05 | 1.6 | 6.0 | | | | 6.0 | 22.8 | 21.2 | | | 41.4 | 900 |
| | 06-08 | 1.6 | 6.9 | | | | 6.9 | 24.4 | 39.0 | | | 67.1 | 900 |
| | 09-11 | 1.4 | 5.4 | | | | 6.4 | 15.2 | 40.3 | | | 47.6 | 900 |
| | 12-14 | .6 | 5.9 | | | | 5.9 | 5.1 | 27.2 | | | 3.6 | 900 |
| | 15-17 | 1.1 | 5.3 | | | | 5.3 | 4.2 | 22.4 | | | 26.4 | 900 |
| | 18-20 | 1.7 | 4.1 | | | | 4.1 | 6.4 | 21.9 | | | 26.0 | 900 |
| | 21-23 | .9 | 3.7 | | | | 3.7 | 11.0 | 20.0 | | | 24.7 | 900 |
| TOTALS | | 1.3 | 5.2 | | | | 5.8 | 18.6 | 26.3 | | | 36.6 | 7200 |

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7234 JB
STATION

BLYTHEVILLE AFB AF
STATION NAME

73-82
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS LOTT | 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 | | 5.6 | | | | 5.6 | 9.8 | 6.1 | | | 14.0 | 930 |
| | 03-05 | .3 | 5.8 | | | | 5.8 | 15.3 | 8.0 | | | 18.8 | 930 |
| | 06-08 | .3 | 4.8 | | | | 4.8 | 32.6 | 28.2 | | | 43.7 | 930 |
| | 09-11 | .6 | 4.9 | | | | 4.9 | 11.5 | 21.4 | | | 28.6 | 930 |
| | 12-14 | .3 | 4.2 | | | | 4.2 | 4.4 | 12.2 | | .1 | 15.2 | 930 |
| | 15-17 | .5 | 4.3 | | | | 4.3 | 3.8 | 8.4 | | | 11.2 | 930 |
| | 18-20 | 1.1 | 5.6 | | | | 5.6 | 6.6 | 6.0 | | | 11.8 | 930 |
| | 21-23 | .1 | 5.2 | | | | 5.2 | 8.8 | 5.8 | | | 12.9 | 930 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .4 | 5.1 | | | | 5.1 | 11.6 | 12.0 | | .0 | 19.5 | 7440 |

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

723438
 STATION

SLYTHEVILLE AFB AR
 STATION NAME

73-82

YEARS

NOV
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS OBS | THUNDER STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|-------|--------------|-------------------|---------------------------|----------------------------------|-------------------------|------|----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| NOV | 00-02 | .9 | 10.6 | .1 | .7 | | 11.1 | 15.3 | 3.2 | | | 27.2 | 900 |
| | 03-05 | 1.8 | 12.2 | | .4 | | 12.7 | 17.7 | 3.5 | | | 16.8 | 900 |
| | 06-08 | 1.0 | 12.0 | | .8 | .1 | 12.8 | 30.0 | 10.0 | | | 34.1 | 900 |
| | 09-11 | .3 | 11.2 | | .8 | | 12.0 | 21.8 | 16.3 | | | 34.3 | 900 |
| | 12-14 | .4 | 10.4 | | 1.1 | | 11.6 | 14.9 | 10.9 | | | 23.1 | 900 |
| | 15-17 | .1 | 9.7 | | 1.0 | | 9.9 | 14.9 | 12.0 | | | 23.3 | 900 |
| | 18-20 | .4 | 9.8 | | .3 | | 10.1 | 15.4 | 7.8 | | | 20.4 | 900 |
| | 21-23 | 1.0 | 12.2 | .1 | .3 | | 13.0 | 17.0 | 5.3 | | | 21.2 | 900 |
| TOTAL | | .7 | 10.9 | .0 | .7 | .0 | 11.7 | 18.8 | 8.7 | | | 24.4 | 7200 |

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

72340P
 STATION

SLYTHEVILLE AFB AP
 STATION NAME

73-82

YEARS

DEC
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS LST | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|--------------|-------------------|---------------------------|----------------------------------|-------------------------|------|----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| DEC | 00-02 | .4 | 9.4 | .8 | 1.3 | | 11.2 | 13.7 | .9 | .2 | | 14.4 | 930 |
| | 03-05 | 1.1 | 11.2 | .8 | 1.0 | | 12.8 | 14.9 | 1.1 | .3 | | 15.9 | 930 |
| | 06-08 | .4 | 10.5 | .4 | .9 | | 11.8 | 23.9 | 5.6 | .1 | | 26.5 | 930 |
| | 09-11 | .1 | 9.7 | .3 | 1.1 | | 10.8 | 20.8 | 11.4 | .2 | | 24.7 | 930 |
| | 12-14 | | 8.1 | .2 | 1.3 | | 9.0 | 14.4 | 10.2 | | | 23.5 | 930 |
| | 15-17 | .3 | 11.5 | | .2 | | 11.7 | 15.6 | 9.4 | | | 23.1 | 929 |
| | 18-20 | | 11.8 | .2 | .2 | | 12.1 | 14.0 | 2.6 | | | 15.6 | 927 |
| | 21-23 | .5 | 9.5 | .8 | .9 | | 10.9 | 14.5 | .5 | | | 14.6 | 927 |
| TOTALS | | .4 | 10.2 | .4 | .8 | | 11.3 | 16.5 | 5.2 | .1 | | 20.3 | 7433 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

723409
STATION

ELYTHEVILLE AFB AP
STATION NAME

73-82

YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS LIST | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|---------------|-------------------|---------------------------|----------------------------------|-------------------------|------|----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| JAN | ALL | .7 | 9.1 | 1.9 | 4.8 | | 15.0 | 19.4 | 7.9 | .9 | .0 | 25.2 | 7440 |
| FEB | | .9 | 6.9 | .4 | 3.6 | .0 | 10.7 | 18.6 | 14.8 | .4 | .4 | 30.4 | 6767 |
| MAR | | 1.8 | 10.7 | .2 | .5 | | 11.3 | 12.3 | 9.2 | .0 | .2 | 19.9 | 7439 |
| APR | | 2.5 | 9.5 | | | | 9.5 | 7.0 | 6.2 | | .4 | 12.4 | 7199 |
| MAY | | 3.9 | 6.8 | | | .0 | 8.8 | 11.8 | 15.2 | | .1 | 24.2 | 7439 |
| JUN | | 2.3 | 4.4 | | | | 4.4 | 7.9 | 17.3 | | .1 | 22.1 | 7198 |
| JUL | | 2.8 | 3.4 | | | | 3.4 | 9.9 | 25.2 | | .0 | 30.5 | 7440 |
| AUG | | 2.3 | 4.4 | | | | 4.4 | 15.3 | 27.6 | | .0 | 36.2 | 7440 |
| SEP | | 1.3 | 5.8 | | | | 5.8 | 18.6 | 26.3 | | | 36.6 | 7200 |
| OCT | | .4 | 5.1 | | | | 5.1 | 11.6 | 12.0 | | .0 | 19.5 | 7440 |
| NOV | | .7 | 10.9 | .0 | .7 | .0 | 11.7 | 18.8 | 8.7 | | | 24.4 | 7200 |
| DEC | | .4 | 10.2 | .4 | .8 | | 11.3 | 16.5 | 5.2 | .1 | | 20.3 | 7433 |
| TOTALS | | 1.7 | 7.4 | .2 | .9 | .0 | 8.5 | 14.0 | 14.6 | .1 | .1 | 25.1 | 97635 |

PART A

ATMOSPHERIC PHENOMENA

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVIC /MAC

XX
WEATHER CONDITIONS
 XX
 ATMOSPHERIC PHENOMENA

7234-8
 STATION

PLYTHEVILLE AFB AB
 STATION NAME

44-45, 55-58, 60-82
 YEARS

ALL
 MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
 FROM DAILY OBSERVATIONS

| MONTH | HOURS OBS | THUNDER STORMS | RAIN AND OR DRIZZLE | FREEZING RAIN & OR DRIZZLE | SNOW AND OR SLEET | HAIL | % OF OBS WITH PRECIP | FOG | SMOKE AND OR HAZE | BLOWING SNOW | DUST AND OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|--------------|-------------------|---------------------------|----------------------------------|-------------------------|------|----------------------------|------|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| JAN | DAILY | 5.8 | 37.6 | 9.1 | 17.9 | | 44.8 | 43.2 | 35.4 | 2.2 | | 55.3 | 805 |
| FEB | | 7.0 | 37.4 | 2.5 | 12.9 | .4 | 41.4 | 43.7 | 38.2 | 1.6 | | 55.1 | 760 |
| MAR | | 13.5 | 43.6 | 1.1 | 5.3 | .7 | 42.7 | 38.5 | 33.3 | .5 | | 47.0 | 634 |
| APR | | 21.8 | 46.5 | | .5 | 1.9 | 43.2 | 31.8 | 25.8 | | | 41.9 | 807 |
| MAY | | 25.7 | 44.2 | | | 1.4 | 42.5 | 35.4 | 33.7 | | .1 | 46.0 | 805 |
| JUN | | 27.9 | 38.4 | | | .8 | 36.9 | 35.5 | 42.3 | | .4 | 52.1 | 780 |
| JUL | | 28.3 | 37.7 | | | .7 | 36.2 | 44.5 | 51.9 | | .1 | 62.0 | 806 |
| AUG | | 21.6 | 31.9 | | | | 30.6 | 55.6 | 61.3 | | | 70.2 | 806 |
| SEP | | 12.9 | 32.7 | | | .1 | 31.4 | 57.1 | 59.0 | | | 69.5 | 776 |
| OCT | | 5.9 | 26.8 | | | .1 | 27.7 | 44.3 | 47.8 | | | 57.7 | 801 |
| NOV | | 7.9 | 37.6 | .1 | 2.6 | .1 | 37.2 | 42.2 | 37.8 | | .1 | 52.1 | 810 |
| DEC | | 4.7 | 40.0 | 2.6 | 7.7 | .1 | 41.9 | 42.1 | 31.8 | .4 | | 53.2 | 836 |
| TOTALS | | 15.2 | 38.0 | 1.3 | 3.9 | .5 | 38.0 | 42.8 | 41.5 | .4 | .1 | 55.3 | 9626 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

| | | |
|-----------------------------|--------|--|
| EXTREME DAILY PRECIPITATION | "0.00" | equals none for the month (hundredths) |
| EXTREME DAILY SNOWFALL | "0.0" | equals none for the month (tenths) |
| EXTREME DAILY SNOW DEPTH | "0" | equals none for the month (whole inches) |

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

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

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

Air Force Stations:

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

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

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

FEDERAL CLIMATOLOGY BRANCH
 AFMSTAC
 AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 PRECIPITATION
 (FROM DAILY OBSERVATIONS)

703407 CUYTHEVILLE AFB AT
 STATION STATION NAME

42-47, 55-56, 60-62
 YEARS

| PRECIP SNOWFALL SNOW DEPTH | AMOUNTS (INCHES) | | | | | | | | | | | | PERCENT OF DAYS WITH MEASUR- ABLE AMTS | TOTAL NO OF OBS | MONTHLY AMOUNTS INCHES | | | | | | |
|-------------------------------------|------------------|-------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|--------------------------|---------------------------|-------|-------|-----------|------|----------|-------|
| | NONE | TRACE | 0 | 02.25 | 06.10 | 11.25 | 16.50 | 21.75 | 27.00 | 32.25 | 37.50 | 42.75 | | | 48.00 | 53.25 | 58.50 | OVER 50.4 | MEAN | GREATEST | LEAST |
| JAN | 3.4 | 14.9 | 2.4 | 7.6 | 3.9 | 5.8 | 4.4 | 5.1 | 2.7 | .6 | | | | | | | 31.7 | 867 | 3.57 | 9.88 | .26 |
| FEB | 3.8 | 11.9 | 2.3 | 6.0 | 4.1 | 6.6 | 5.6 | 5.1 | 3.5 | .4 | | | | | | | 33.5 | 789 | 3.56 | 9.60 | .05 |
| MAR | 2.9 | 12.7 | 1.5 | 5.1 | 4.3 | 7.6 | 6.3 | 5.9 | 3.7 | .8 | | | | | | | 34.9 | 868 | 5.17 | 12.83 | .13 |
| APR | 1.5 | 12.3 | 2.3 | 5.1 | 3.9 | 6.1 | 6.9 | 7.1 | 4.4 | .4 | .1 | | | | | | 35.2 | 837 | 5.27 | 9.51 | .47 |
| MAY | .1 | 11.7 | 1.3 | 5.7 | 3.6 | 5.4 | 7.4 | 4.5 | 5.7 | .5 | | | | | | | 34.2 | 837 | 5.38 | 17.52 | .94 |
| JUN | .6 | 11.1 | 1.9 | 3.6 | 2.3 | 4.6 | 5.4 | 5.6 | 3.1 | .4 | | | | | | | 28.3 | 810 | 3.67 | 9.41 | 1.09 |
| JUL | 2.7 | 11.2 | 1.2 | 4.1 | 3.3 | 6.1 | 4.7 | 3.3 | 3.2 | .2 | | | | | | | 25.0 | 837 | 7.37 | 6.32 | .49 |
| AUG | 07.7 | 10.0 | 1.1 | 3.5 | 2.8 | 4.1 | 4.2 | 4.1 | 2.5 | .6 | | | | | | | 22.7 | 836 | 3.47 | 9.32 | .01 |
| SEP | 6.7 | 9.2 | 1.5 | 3.3 | 1.2 | 4.2 | 3.4 | 4.1 | 3.4 | .5 | | | | | | | 22.5 | 827 | 3.94 | 7.82 | TRACE |
| OCT | 12.3 | 8.2 | 1.4 | 3.7 | 2.2 | 3.4 | 4.2 | 2.9 | 1.3 | .4 | | | | | | | 19.5 | 855 | 2.47 | 7.19 | TRACE |
| NOV | 2.2 | 9.9 | 1.5 | 4.0 | 3.4 | 5.2 | 5.1 | 4.3 | 3.6 | .7 | | | | | | | 27.9 | 858 | 4.38 | 13.48 | .20 |
| DEC | 54.9 | 12.6 | 2.3 | 5.5 | 7.1 | 7.0 | 6.6 | 3.8 | 3.6 | .8 | | | | | | | 32.4 | 809 | 4.62 | 11.85 | .01 |
| ANNUAL | 39.4 | 11.4 | 1.7 | 4.8 | 3.3 | 5.5 | 5.4 | 4.7 | 3.3 | .5 | .0 | | | | | | 29.1 | 10120 | 4.52 | | |

FEDERAL CLIMATOLOGY BRANCH
 ETAC
 AIR FORCE ENGINEERING SERVICE CENTER

EXTREME VALUES
 PRECIPITATION

1934-1967 BUNTSVILLE AFB AR
 STATION

42-45, 55-58, 60-61
 YEARS

PRECIPITATION

24 HOUR AMOUNTS IN INCHES

| YEAR | MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|------|-----------|------|------|-------|------|------|------|------|------|--------|---------|------|------|-------|
| | | | | | | | | | | *TRACE | *TRACE* | .00 | 1.70 | |
| 33 | | 1.00 | .49 | 1.75 | .84 | 1.72 | .75 | 1.34 | .77 | .97 | .25 | .68 | .97 | 1.77 |
| 34 | | .94 | 2.64 | 1.22 | 1.86 | 1.07 | .96 | 1.61 | .64 | 1.71 | .84 | 1.45 | 2.69 | 2.69 |
| 35 | | .97 | 1.95 | 1.72* | 2.7 | | | | | | | | | |
| 36 | | | | | | | | | | | | .73 | 1.46 | |
| 37 | | 3.50 | 3.28 | 1.22 | 1.24 | .88 | 1.18 | .32 | .56 | .11 | .69 | 1.76 | .7 | 3.50 |
| 38 | | 1.93 | 1.40 | .47 | 3.2 | 2.91 | 1.66 | 3.10 | 2.43 | 2.46 | 2.45 | 4.33 | 2.80 | 4.33 |
| 39 | | 3.93 | 1.75 | 3.44 | 1.25 | 2.11 | | | | | | | | |
| 40 | | | | | | | 1.53 | .35 | 1.45 | 1.96 | .53 | 2.86 | 2.71 | |
| 41 | | .84 | 1.12 | 1.70 | 1.36 | 1.70 | 1.54 | .72 | 1.19 | .51 | .27 | 4.39 | 2.47 | 4.39 |
| 42 | | 1.72 | 2.92 | 2.23 | 1.40 | .41 | 1.16 | .44 | 1.08 | 2.52 | .79 | .33 | .50 | 2.92 |
| 43 | | .24 | .57 | 2.55 | 1.33 | 2.20 | 1.67 | .45 | .66 | .5 | .31 | .89 | .75 | 2.55 |
| 44 | | .81 | .84 | 3.28 | 2.45 | 1.39 | .45 | 2.21 | 2.21 | 2.43 | .11 | 2.39 | 1.41 | 3.28 |
| 45 | | 2.57 | 2.43 | 1.24 | .98 | 1.57 | .93 | 2.00 | .7 | 3.55 | .39 | 3.85 | .75 | 3.55 |
| 46 | | 4.16 | 1.59 | .11 | 1.45 | 1.79 | 1.43 | .57 | 2.03 | 1.15 | .34 | .92 | 2.61 | 4.16 |
| 47 | | 1.00 | .03 | 1.80 | 1.11 | 2.05 | 1.06 | 2.17 | .59 | 3.1 | 2.59 | 1.29 | 1.2 | 3.10 |
| 48 | | .47 | 2.35 | 1.98 | 1.53 | 2.32 | 1.96 | 1.25 | 1.19 | 1.72 | 1.37 | 1.77 | 1.79 | 2.35 |
| 49 | | 2.86 | .79 | 1.95 | 2.16 | .73 | .99 | 1.42 | 2.26 | 1.0 | .95 | 2.10 | 1.57 | 2.86 |
| 50 | | .70 | 1.42 | 1.54 | 2.91 | .41 | 3.58 | 2.46 | 1.58 | 4.7 | 1.47 | .81 | 1.74 | 4.7 |
| 51 | | .4 | 1.77 | .90* | .39 | 1.51 | .70 | 1.50 | .96* | .45* | .14 | .51 | .31 | 1.77 |
| 52 | | .52 | 1.22 | 1.29 | 1.29 | .71 | 1.95 | 1.31 | .84 | 2.71 | 1.72 | .97 | 2.86 | 2.86 |
| 53 | | 1.24 | 1.29 | 1.50 | 2.41 | 2.63 | .46 | 1.16 | .48 | 1.78 | .62 | 2.54 | 1.56 | 2.63 |
| 54 | | 2.39 | .94 | .7 | 5.16 | 1.95 | 1.70 | .71 | 2.63 | .70 | .55 | 1.10 | .26 | 5.16 |
| 55 | | 1.1 | 1.16 | 4.61 | 1.48 | 1.68 | .70 | 1.21 | 1.40 | 1.23 | 1.36 | 1.30 | 1.93 | 4.61 |
| 56 | | 1.14 | 2.43 | 2.46 | .26 | 1.70 | 2.53 | 1.41 | .45 | .34 | 3.42 | .96 | .34 | 3.42 |
| 57 | | .82 | .63 | 2.16 | .75 | 1.87 | 2.21 | 2.51 | 1.01 | 2.17 | .52 | 1.29 | .89 | 2.21 |
| 58 | | 1.67 | .52 | 1.60 | 2.16 | 2.05 | 1.07 | 2.24 | 2.11 | 1.04 | .36 | 1.65 | 4.07 | 4.07 |
| 59 | | 1.02 | 1.30 | 1.07 | 2.46 | 3.21 | .75 | 1.30 | .72 | 2.39 | .77 | 1.53 | 1.52 | 3.21 |
| 60 | | .25 | 1.01 | .72 | .97 | 1.29 | 1.13 | .25 | 1.40 | 1.27 | 4.11 | 1.81 | 1.5 | 4.11 |
| 61 | | .59 | .96 | .96 | 1.41 | 1.33 | 3.14 | 1.35 | 1.66 | .06 | 2.27 | 1.26 | 1.17 | 3.14 |
| | MEAN | | | | | | | | | | | | | |
| | S.D. | | | | | | | | | | | | | |
| | TOTAL OBS | | | | | | | | | | | | | |

NOT * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

2

GENERAL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/NAAC

EXTREME VALUES
PRECIPITATION

FROM DAILY OBSERVATIONS

7234 AF STATION BLYTHEVILLE AFB AP STATION NAME

42-45, 55-59, 60-82 YEARS

24 HOUR AMOUNTS IN INCHES

| MONTH YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|
| | 1.41 | 1.08 | .57 | 2.31 | 2.76 | 1.18 | 1.99 | 1.30 | .90 | .42 | 1.48 | 3.77 | 3.77 |
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| MEAN | 1.421 | 1.400 | 1.738 | 1.807 | 1.774 | 1.433 | 1.384 | 1.488 | 1.592 | 1.137 | 1.679 | 1.773 | 3.463 |
| S.D. | 1.703 | .777 | .958 | 1.059 | .724 | .783 | .765 | .984 | 1.065 | 1.742 | 1.072 | .907 | .813 |
| TOTAL OBS | 67 | 789 | 868 | 837 | 837 | 813 | 837 | 876 | 827 | 855 | 858 | 809 | 10120 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

2
 FEDERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
EXTREME VALUES
 MONTHLY PRECIPITATION

423408 PLYMOUTHVILLE AFB AR
 STATION

42-45, 55-58, 60-82
 YEARS

FROM DAILY OBSERVATION

TOTAL MONTHLY PRECIPITATION, IN INCHES

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|------|------|-------|------|-------|------|-------|-------|---------|---------|-------|-------|------------|
| 42 | | | | | | | | | *TRACE* | *TRACE* | .00 | 4.06 | |
| 43 | 2.14 | .95 | 7.14 | 3.24 | 6.44 | 2.20 | 1.40 | 1.60 | 2.95 | .67 | 1.23 | 4.00 | 34.20 |
| 44 | 1.41 | 1.39 | 6.62 | 6.92 | 2.77 | 2.71 | 2.72 | 1.93 | 3.02 | .89 | 4.46 | 6.92 | 51.36 |
| 45 | 2.9 | 6.24 | 7.48 | 7.22 | | | | | | | | | |
| 46 | | | | | | | | | | | 1.98 | 2.14 | |
| 47 | .31 | 0.68 | 1.95 | 5.02 | 2.62 | 7.43 | .71 | 1.93 | .2 | 1.34 | 3.25 | 3.5 | 39.19 |
| 48 | 3.40 | 6.29 | 1.75 | 9.08 | 12.12 | 6.23 | 6.32 | 6.49 | 6.67 | 5.22 | 13.46 | 6.62 | 67.16 |
| 49 | 6.34 | 3.68 | 4.27 | 5.72 | 6.23 | | | | | | | | |
| 50 | | | | | | 6.49 | 1.52 | 3.63 | 3.03 | 1.71 | 5.42 | 5.6 | |
| 51 | .70 | 5.40 | 4.64 | 3.33 | 5.09 | 5.90 | 2.88 | 3.00 | 1.04 | .54 | 9.33 | 6.4 | 63.21 |
| 52 | 4.63 | 8.99 | 6.44 | 3.77 | .94 | 6.28 | 1.49 | 3.68 | 6.79 | 2.64 | 1.16 | .95 | 47.76 |
| 53 | .96 | .95 | 5.94 | 2.20 | 5.25 | 2.87 | .63 | 1.33 | 1.05 | .61 | 2.15 | 2.25 | 28.14 |
| 54 | 2.24 | 2.56 | 1.30 | 7.67 | 4.28 | 1.09 | 5.14 | 6.26 | 5.11 | .3 | 4.38 | 5.17 | 52.50 |
| 55 | 4.5 | 5.19 | 5.76 | 2.64 | 3.46 | 1.88 | 6.14 | 1.75 | 10.02 | .69 | 5.27 | 1.14 | 49.27 |
| 56 | 7.83 | 4.82 | .13 | 7.84 | 5.65 | 2.62 | 1.55 | 4.75 | 2.27 | .93 | 1.83 | 6.03 | 46.30 |
| 57 | 1.3 | 2.14 | 3.95 | 3.81 | 5.99 | 2.38 | 6.18 | 2.01 | 7.4 | 3.54 | 2.56 | 5.70 | 47.33 |
| 58 | 2.00 | 2.62 | 4.21 | 5.54 | 6.93 | 3.59 | 2.80 | 1.97 | 3.01 | 2.86 | 4.28 | 5.91 | 48.77 |
| 59 | 3.88 | 2.08 | 2.48 | 6.46 | 1.84 | 3.50 | 3.32 | 4.05 | 2.00 | 2.08 | 4.46 | 6.01 | 47.96 |
| 60 | 1.70 | 3.40 | 4.57 | 6.64 | 1.99 | 9.16 | 3.59 | 4.74 | 7.94 | 5.36 | 2.25 | 5.70 | 50.66 |
| 61 | 1.74 | 5.29 | 2.74 | 2.29 | 4.96 | 3.35 | 4.00* | 2.84* | .58* | .27 | 1.41 | 4.70 | 43.59 |
| 62 | 7.25 | 1.91 | 4.13 | 4.70 | 2.84 | 3.74 | 4.24 | 1.49 | 4.94 | 7.19 | 4.79 | 0.56 | 48.09 |
| 63 | 3.57 | 2.91 | 6.80 | 8.12 | 8.23 | 1.63 | 2.66 | .81 | 4.21 | 1.5 | .52 | 5.21 | 44.17 |
| 64 | 6.95 | 2.83 | 3.45 | 5.26 | 7.94 | 5.33 | 3.95 | 9.32 | 1.13 | .99 | 4.13 | 1.0 | 55.89 |
| 65 | 3.14 | 4.48 | 12.63 | 3.22 | 5.21 | 2.10 | 2.71 | 7.98 | 4.08 | 2.48 | 4.26 | 3.58 | 59.93 |
| 66 | 7.70 | 4.06 | 6.03 | .47 | 4.22 | 6.63 | 4.62 | 1.44 | 1.70 | 6.61 | 1.61 | .51 | 41.40 |
| 67 | 1.90 | 1.34 | 4.08 | 3.48 | 4.14 | 4.46 | 3.93 | 2.79 | 9.75 | 1.62 | 3.61 | 2.27 | 45.33 |
| 68 | 5.96 | 1.78 | 4.14 | 5.54 | 7.19 | 3.37 | 5.46 | 6.88 | 1.11 | .78 | 0.17 | 11.95 | 50.23 |
| 69 | 3.43 | 5.05 | 3.90 | 8.51 | 9.66 | 1.61 | 3.95 | .83 | 4.74 | 2.13 | 4.30 | 3.58 | 51.69 |
| 70 | 2.10 | 1.63 | 5.95 | 4.75 | 2.91 | 1.88 | .49 | 1.73 | 5.57 | 5.25 | 4.62 | 2.10 | 39.01 |
| 71 | 1.70 | 2.77 | 2.59 | 3.1 | 6.69 | 9.41 | 3.52 | 4.14 | .17 | 4.63 | 2.70 | 1.95 | 43.33 |
| MEAN | | | | | | | | | | | | | |
| S.D. | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

2

FEDERAL CLIMATOLOGY BRANCH
WAFETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
EXTREME VALUES
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

72340R
STATION

SLYTHEVILLE AFB AF
STATION NAME

42-40, 55-58, 60-82
YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

| MONTH YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | A MONTHS |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| | 6.60 | 2.43 | 1.31 | 7.17 | 8.25 | 3.98 | 4.57 | 2.95 | 1.48 | 1.41 | 7.11 | 9.35 | 57.5 |
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| MEAN | 3.073 | 3.858 | 5.102 | 5.273 | 5.377 | 3.971 | 3.366 | 3.473 | 3.943 | 2.468 | 4.379 | 4.619 | 49.558 |
| S D | 2.494 | 2.388 | 2.668 | 2.214 | 2.637 | 2.237 | 1.709 | 2.322 | 2.359 | 2.030 | 2.757 | 2.661 | 11.281 |
| TOTAL OBS | 67 | 789 | 868 | 837 | 837 | 811 | 837 | 816 | 827 | 855 | 858 | 899 | 10120 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SER. ICL/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNC-FALL
 (FROM DAILY OBSERVATIONS)

72340R
 STATION

SLYTHEVILLE AFB AP
 STATION NAME

55-5F, 6C-R2

YEARS

| PRECIP | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASURABLE AMTS | TOTAL NO OF OBS | MONTHLY AMOUNTS (INCHES) | | |
|------------|------------------|-------|---------|---------|---------|---------|---------|---------|----------|-----------|-----------|-----------|-----------|--------------------------------------|-----------------|--------------------------|----------|-------|
| | NONE | TRACE | 0 | 02 05 | 06 10 | 11 25 | 26 50 | 51 100 | 101 250 | 251 500 | 501 1000 | 1001 2000 | OVER 2000 | | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 0 1 0.4 | 0.5 1.4 | 1.5 2.4 | 2.5 3.4 | 3.5 4.4 | 4.5 6.4 | 6.5 10.4 | 10.5 15.4 | 15.5 25.4 | 25.5 50.4 | OVER 50.4 | | | | | |
| SNOW DEPTH | NONE | TRACE | 1 | 2 | 3 | 4 | 7 12 | 13 24 | 25 36 | 37 48 | 49 60 | 61 120 | OVER 120 | | | | | |
| JAN | 1.2 | 1.3 | 2.7 | 3.2 | 1.0 | .0 | .3 | .4 | | | | | | 3.4 | 773 | 3.4 | 10.0 | TRACE |
| FEB | 6.3 | 8.0 | 2.1 | 1.7 | .6 | .7 | .1 | .4 | | | | | | 5.7 | 710 | 2.3 | 12.0 | .0 |
| MAR | 5.1 | 3.1 | .5 | .4 | .3 | | .3 | .3 | .1 | | | | | 1.0 | 771 | 1.5 | 13.9 | .0 |
| APR | 9.6 | .3 | .1 | | | | | | | | | | | .1 | 750 | TRACE | .3 | .0 |
| MAY | 100.0 | | | | | | | | | | | | | | 775 | .0 | .0 | .0 |
| JUN | 100.0 | | | | | | | | | | | | | | 750 | .0 | .0 | .0 |
| JUL | 100.0 | | | | | | | | | | | | | | 775 | .0 | .0 | .0 |
| AUG | 100.0 | | | | | | | | | | | | | | 775 | .0 | .0 | .0 |
| SEP | 100.0 | | | | | | | | | | | | | | 746 | .0 | .0 | .0 |
| OCT | 100.0 | | | | | | | | | | | | | | 770 | .0 | .0 | .0 |
| NOV | 7.9 | 1.5 | .3 | | .1 | .3 | | | | | | | | .6 | 780 | .3 | 5.5 | .0 |
| DEC | 1.9 | .6 | .5 | .9 | .2 | .4 | .1 | | .1 | | | | | 2.2 | 805 | 1.2 | 8.1 | .0 |
| ANNUAL | 6.0 | 2.4 | .5 | .5 | .2 | .2 | .1 | .1 | .0 | | | | | 1.6 | 9170 | 2.7 | | |

2
 FEDERAL CLIMATOLOGY BRANCH
 METAC
 AIR WEATHER SERVICE/CLMAC

EXTREME VALUES
 SNO FALL

FROM DAILY OBSERVATION

723408 WYTHEVILLE AFB AR
 STATION STATION NAME

55-79, 60-87

YEARS

24 HOUR AMOUNTS IN INCHES

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | A MONTHS |
|-----------|--------|---------|-------|-------|-----|-----|------|------|------|------|-------|----------|----------|
| 55 | | | | | | | | | | | | .0 TRACE | |
| 56 | 6.0 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | | 5.0 |
| 57 | .1 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | TRACE | .0 |
| | 1.9 | 3.5 | .1 | .0 | .0 | | | | | | | | |
| | | | | | | .0 | .0 | .0 | .0 | .0 | .0 | 4.1 | |
| | 1.0 | .5 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.0 |
| | 1.0 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 |
| | 2.5 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 5.6 |
| | 1.3 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 1.0 |
| 65 | 1.5 | 5.1 | 4.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 5.1 |
| 66 | 3.0 | 3.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.9 | 3.0 |
| 67 | 1.0 | 1.2 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0* | .1 | 2.0 |
| 68 | *TRACE | *TRACE* | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | *TRACE |
| 69 | TRACE | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .4 | 2.1 | 3.1 |
| 70 | 2.0 | .4 | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 2.0 |
| 71 | 1.0* | 2.0 | 1.0 | .3 | .0 | .0 | .0 | .0* | .0* | .0 | 2.6 | .9 | 9.0 |
| 72 | .0 | .2 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .0 | .0 |
| 73 | 2.0 | .0 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.1 | 3.1 |
| 74 | .0 | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .0 | .0 |
| 75 | .0 | 1.0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.7 | 2.0 |
| 76 | 1.0 | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.3 | TRACE | 3.0 |
| 77 | 5.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 5.0 |
| 78 | 4.1 | 3.4 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.3 | 4.1 |
| 79 | .0 | 4.9 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.9 |
| 80 | 1.0 | 2.8 | 3.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .0 | 3.0 |
| 81 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE |
| 82 | 5.0 | 4.6 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 5.0 |
| MEAN | 1.33 | 1.39 | .93 | .1 | .00 | .00 | .00 | .0 | .00 | .00 | .25 | 1.02* | 3.00 |
| S D | 1.714 | 1.799 | 2.158 | .063 | .00 | .00 | .000 | .000 | .000 | .000 | .306 | 1.628 | 2.011 |
| TOTAL OBS | 773 | 773 | 771 | 750 | 775 | 750 | 775 | 746 | 773 | 780 | 605 | | 917 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

2
 GENERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/AFAC

XXXXXXXXXXXX
EXTREME VALUES
 MONTHLY SNOWFALL

72345 ELYTHEVILLE AFB AF
 STATION

55-56, 60-60

PERIOD OF OBSERVATION

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

| MONTH YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|---------------|-------|-------|-------|-------|------|------|------|------|------|------|-------|-------|-------|
| 50 | 10.1 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .0 | 17.1 |
| 51 | 0.1 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | TRACE | 0.2 |
| 52 | 0.0 | 0.2 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 0.3 |
| 53 | 1.0 | .9 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.9 |
| 54 | 1.2 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.2 |
| 55 | 3.1 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.1 |
| 56 | 1.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 1.0 |
| 57 | 3.1 | 6.6 | 10.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 20.6 |
| 58 | 9.0 | 3.2 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 12.2 |
| 59 | 1.0 | 1.2 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.2 |
| 60 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE |
| 61 | TRACE | .3 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 0.3 |
| 62 | 4.2 | .4 | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 5.3 |
| 63 | 1.0* | 2.7 | 13.9 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 17.9 |
| 64 | .7 | .4 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.1 |
| 65 | 2.7 | .3 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.0 |
| 66 | .5 | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 0.9 |
| 67 | .5 | 1.0 | 3.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 5.2 |
| 68 | 1.0 | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.7 |
| 69 | 10.5 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 10.5 |
| 70 | 10.2 | 9.6 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 20.1 |
| 71 | 9.0 | 12.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 21.0 |
| 72 | 2.7 | 4.4 | 3.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 10.9 |
| 73 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE |
| 74 | 5.0 | 6.6 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 11.6 |
| MEAN | 7.44 | 2.33 | 1.45 | .71 | .00 | .00 | .00 | .00 | .00 | .00 | .33 | 1.10 | 6.24 |
| SD | 3.677 | 3.455 | 3.571 | .760 | .000 | .000 | .000 | .000 | .000 | .000 | 1.171 | 2.019 | 6.869 |
| TOTAL OBS | 77 | 70 | 77 | 75 | 77 | 75 | 77 | 77 | 74 | 77 | 78 | 85 | 817 |

NOT * BASED ON LESS THAN FULL MONTHS

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOW DEPTH
 (FROM DAILY OBSERVATIONS)

723409
 STATION

BLYTHEVILLE AFB AR
 STATION NAME

42-45, 55-58, 60-82
 YEARS

| PRECIP | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASURABLE AMTS | TOTAL NO OF OBS | MONTHLY AMOUNTS (INCHES) | | |
|------------|------------------|-------|-------|-------|-------|-------|-------|--------|---------|---------|----------|-----------|-----------|--------------------------------------|-----------------|--------------------------|----------|-------|
| | NONE | TRACE | 01 | 02 05 | 06 10 | 11 25 | 26 50 | 51 100 | 101 250 | 251 500 | 501 1000 | 1001 2000 | OVER 2000 | | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 01 04 | 05 14 | 15 24 | 25 34 | 35 44 | 45 64 | 65 104 | 105 154 | 155 254 | 255 504 | OVER 504 | | | | | |
| SNOW DEPTH | NONE | TRACE | 1 | 2 | 3 | 4 6 | 7 12 | 13 24 | 25 36 | 37 48 | 49 60 | 61 120 | OVER 120 | | | | | |
| JAN | 6.1 | 5.9 | 7.5 | 5.3 | 3.2 | 1.6 | .1 | | | | | | | 16.0 | 774 | | | |
| FEB | 4.1 | 6.8 | 3.3 | 1.1 | .8 | 1.7 | .1 | | | | | | | 7.1 | 716 | | | |
| MAR | 7.9 | .3 | .5 | .5 | .3 | .5 | | | | | | | | 1.0 | 775 | | | |
| APR | 00.0 | | | | | | | | | | | | | | 750 | | | |
| MAY | 0.0 | | | | | | | | | | | | | | 775 | | | |
| JUN | 0.0 | | | | | | | | | | | | | | 750 | | | |
| JUL | 00.0 | | | | | | | | | | | | | | 775 | | | |
| AUG | 0.0 | | | | | | | | | | | | | | 775 | | | |
| SEP | 0.0 | | | | | | | | | | | | | | 746 | | | |
| OCT | 00.0 | | | | | | | | | | | | | | 770 | | | |
| NOV | 9.1 | .4 | .3 | | | | | | | | | | | .3 | 775 | | | |
| DEC | 5.5 | 1.4 | 2.2 | .5 | .1 | .1 | .4 | | | | | | | 3.3 | 806 | | | |
| ANNUAL | 6.1 | 1.4 | 1.1 | .6 | .4 | .3 | .1 | | | | | | | 2.5 | 9177 | | | |

2
 FEDERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 SNOW DEPTH

FROM DAILY OBSERVATIONS

123408 BLYTHEVILLE AFB AF
 STATION STATION NAME

42-45, 55-59, 67-82
 YEARS

DAILY SNOW DEPTH IN INCHES

| YEAR | MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-------|-------|------------|
| 42 | | | | | | | | | | | | | | |
| 43 | | | 0* | 0 | | | | | | | | | TRACE | 5 |
| 44 | | 1 | TRACE | TRACE | | | | | | | | | 1 | 1 |
| 45 | | TRACE | TRACE | 0* | | | | | | | | | | |
| 46 | | | | | | | | | | | | | TRACE | |
| 47 | | 4 | 3 | | | | | | | | | | | |
| 48 | | 3 | TRACE | | | | | | | | | | | TRACE |
| 49 | | TRACE | | 3 | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | |
| 51 | | 4 | TRACE | 0 | | | | | | | | | 1 | 4 |
| 52 | | 1 | 3 | TRACE | | | | | | | | | 1 | 1 |
| 53 | | 2 | TRACE | | | | | | | | | | | 1 |
| 54 | | 2 | | 3 | | | | | | | | | | 1 |
| 55 | | 1 | 5 | 6 | | | | | | | | | | 9 |
| 56 | | 4 | 3 | 3 | | | | | | | | | | 6 |
| 57 | | 1 | 1 | 2 | | | | | | | | | | 2 |
| 58 | | 4 | 1 | 1 | | | | | | | | | | 4 |
| 59 | | | 4 | 0 | | | | | | | | | 1 | 4 |
| 60 | | | 3 | TRACE | | | | | | | | | | 4 |
| 61 | | 1 | 1 | 4 | | | | | | | | | | 4 |
| 62 | | TRACE | TRACE | | | | | | | | | TRACE | | TRACE |
| 63 | | | | 0 | | | | | | | | | | 3 |
| 64 | | 1 | TRACE | | | | | | | | | | 1 | 1 |
| 65 | | TRACE | | 1 | | | | | | | | | 1 | 1 |
| 66 | | 1 | 0 | | | | | | | | | | | 1 |
| 67 | | 2 | 0 | | | | | | | | | | | 1 |
| 68 | | 4 | 5 | | | | | | | | | | | 1 |
| 69 | | 4 | 7 | | | | | | | | | | | 7 |
| 70 | | 1 | 3 | | | | | | | | | | | 3 |
| 71 | | 1 | TRACE | | | | | | | | | | | TRACE |
| 72 | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | |
| MEAN | | | | | | | | | | | | | | |
| SD | | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | | |

NOTE * (BASED ON LESS THAN FULL MONTHS)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

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

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

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

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
 AFAC
 AIR WEATHER SERVICE/AFAC

EXTREME VALUES

SURFACE WINDS

FROM DATA GENERATION

103400 SLYTHEVILLE AFB A
 STATION

57-58, 61-67

YEARS

DAILY PEAK GUSTS IN KNOTS

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | AVERAGE |
|-----------|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|--------|---------|
| 57 | | | | | 41W | 44W | 34NW | 33S | 26WSW | 26W | 33NW | 25 | |
| 58 | SW 32W | 42NW | 25W | 30S | 21W | SE | 37WS | 28W | 39SS | 17SS | 31W | *35NW | 23 |
| 59 | | 34SS | 26WS | 34W | 34S | *34WSW | 26WS | 36E | 26SS | 37NW | *26S | *37W | 21 |
| 60 | | 31SW | 33W | 32N | 50WN | 36W | *39W | 27NW | *16N | *21W | *22SS | *20SSW | 27 |
| 61 | | 36W | *57NW | *45S | *32W | *29N | 38S | 33NW | *35N | *30WS | 32SS | 40NW | *73 |
| 62 | | 37W | 34WSW | 40SE | 43W | 39E | 39NE | 36E | 34W | 32W | 31S | 33W | 22 |
| 63 | | 44N | 45S | 40NN | 47W | 44N | 37WSW | 45NW | 70S | 30W | 33NW | 52WS | 40 |
| 64 | | 36SS | 40SSW | 38W | 42NW | 39N | *46SE | 41S | 36NN | 26W | 34NW | 35S | 24 |
| 65 | SW | 23S | 9N | 36WSW | 40N | 53W | 49N | 34WSW | 36NW | 26S | 40W | 36S | 44 |
| 66 | | 32NE | 33S | 37S | 40S | 52W | 4476/ | 3817/ | 2714/ | 4621/ | 3821/ | 4431/ | 47 |
| 67 | | 4030/ | 301 / | 3513/ | 3523/ | 3318/ | 4832/ | 4019/ | 3017/ | 22.2/ | 2631/ | 3536/ | 28 |
| 68 | | 18/ | 401 / | 3524/ | 4027/ | 4130/ | 3333/ | 47 2/ | 36 6/ | 36 1/ | 3721/ | 3619/ | 392 / |
| 69 | | 18/ | 3624/ | 4410/ | 3726/ | 3719/ | 4613/ | 4123* | 4014/ | 39 1* | 1920* | 3420/ | 3122/ |
| 70 | | 20/ | 4420/ | 3427/ | 7624/ | 7131/ | 4730* | 4425* | 3632/ | 4236/ | 47 9/ | 3332/ | 3212/ |
| 71 | | 26/ | 3436/ | 3812* | 4629/ | 4626/ | 4827/ | 4635/ | 3232/ | 3935/ | 2532/ | 3222/ | 4025/ |
| 72 | | 21/ | 3623/ | 4219/ | 4819/ | 4020/ | 3519/ | 4027* | 5017/ | 4019/ | 2936/ | 2720/ | 3918/ |
| 73 | | 22/ | 4436/ | 3019/ | 3618/ | 4119/ | 3025/ | 48 2/ | 3216/ | 3336/ | 37 2/ | 2624/ | 4818/ |
| 74 | | 24/ | 4221/ | 3627/ | 42 3/ | 3018/ | 2920/ | 3030/ | 34 9/ | 3734/ | 2133/ | 3011/ | 3234/ |
| 75 | | 26/ | 3325/ | 5624/ | 4922/ | 3033/ | 5124/ | 4819/ | 2432/ | 2713/ | 3320/ | 2-24/ | 3129/ |
| 76 | | 29/ | 4232/ | 3221/ | 3019/ | 39 5/ | 4121/ | 36 1/ | 43 2/ | 3418/ | 2733/ | 3111/ | 2616/ |
| 77 | | 27/ | 32 1/ | 4715/ | 4223/ | 4031/ | 4223/ | 3513/ | 3034/ | 3636/ | 3622/ | 3516/ | 3718/ |
| 78 | | 18/ | 3636/ | 4037/ | 40 3/ | 4218/ | 3621/ | 32 1/ | 3432/ | 3733/ | 4223/ | 3421/ | 3218/ |
| 79 | | 18/ | 3031/ | 3218/ | 3319/ | 3816/ | 3833/ | 4436/ | 4332/ | 4134/ | 2636/ | 2619/ | 3618* |
| 80 | | 36/ | 3634/ | 2617/ | 3220/ | 4618/ | 4632/ | 53 7/ | 3231/ | 2513/ | 2719/ | 2925/ | 3614/ |
| MEAN | 37.5 | 36.0 | 39.1 | 41.5 | 40.5 | 40.8 | 35.0 | 34.6 | 30.9 | 31.7 | 36.5 | 37.1 | 40.8 |
| S.D. | 6.026 | 6.448 | 6.126 | 6.416 | 7.456 | 7.163 | 5.491 | 4.934 | 6.095 | 4.372 | 6.330 | 6.208 | 6.488 |
| TOTAL OBS | 713 | 642 | 598 | 680 | 725 | 704 | 725 | 333 | 696 | 726 | 703 | 777 | 6471 |

USAF ETAC FORM 0-88-5 (OLA)

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

AFSCENAL CLIMATOLOGY BRANCH
 AFSCENAL
 AFSCENAL PATH & SERVICE MANUAL

SURFACE WINDS

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

1974-75 STATION: COYTESVILLE AFB AF 73-92 YEARS: 1 JAN MONTH

ALL WEATHER CLASS

1980-2000 HOURS 12 5 1

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 | 1.7 | 4.5 | 7.1 | 1.2 | .7 | | | | | | 15.3 | 9.2 |
| NNE | | 2.2 | 1.4 | 1.1 | .7 | | | | | | | 1.5 | 7.7 |
| NE | | 1.5 | .8 | .3 | | | | | | | | .1 | 6.4 |
| ENE | | 1. | 1.2 | | | | | | | | | .4 | 6.4 |
| E | | | .7 | .1 | | | | | | | | .2 | 6.5 |
| ESE | | 1.1 | | .1 | | | | | | | | 1.2 | 4.7 |
| SE | | | .8 | | | | | | | | | 1.1 | 6.9 |
| SSE | | 1.7 | 1.4 | .8 | | | | | | | | 4.7 | 6.2 |
| S | | 2.4 | 2.3 | 1.5 | .7 | | .1 | | | | | 7.8 | 6.4 |
| SSW | 1.1 | 2.7 | 2.7 | 2.5 | .1 | | | | | | | 4. | 6.5 |
| SW | 1. | 1. | 1.2 | .7 | | .1 | | | | | | 4.4 | 6.1 |
| WSW | 1. | | .4 | .8 | .1 | | | | | | | 1.1 | 7.2 |
| W | 1. | .6 | 1.5 | 1.5 | .5 | | | | | | | 4.1 | 7.2 |
| WNW | 1.2 | 1. | 1.7 | 1.7 | .1 | .1 | | | | | | 4.3 | 7.2 |
| NW | .7 | 1. | 1.5 | 1.7 | .3 | | | | | | | 1.5 | 6.1 |
| NNW | .4 | 1. | 1.9 | 1.7 | .4 | .6 | | | | | | 3.3 | 9.1 |
| VARBL | | | | | | | | | | | | 1.1 | |
| CALM | | | | | | | | | | | | 17.3 | 6.1 |
| | 17.4 | 26. | 22.8 | 17.7 | 2.9 | 1.7 | .1 | | | | | 173.3 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE
 CLIMATE DIVISION
 METEOROLOGICAL SERVICE/AFAC

SURFACE WINDS

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

STATION 7234-8 OLYMPIA WILCOX AFB WA YEARS 72-82 MONTH JA
 CLASS ALL WEATHER HOURS (LST) 0000-2300
 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 | 1.2 | 0.2 | 0.2 | 1.2 | 0.2 | 0.1 | | | | | 15.0 | 12.2 |
| NNE | 0.0 | 2.0 | 1.3 | 0.6 | 0.2 | 0.1 | | | | | | 5.7 | 7.4 |
| NE | 1.0 | 1.7 | 0.6 | 0.5 | 0.1 | | | | | | | 4.3 | 6.1 |
| ENE | 0.4 | 1.4 | 0.5 | 0.3 | | | | | | | | 2.7 | 6.4 |
| E | 0.3 | 1.2 | 1.1 | 0.1 | | | | | | | | 3.1 | 6.5 |
| ESE | 1.7 | 1.2 | 0.2 | | | | | | | | | 2.7 | 3.9 |
| SE | 0.4 | 0.2 | 0.0 | 0.2 | | | | | | | | 2.4 | 6.2 |
| SSE | 0.0 | 1.0 | 1.1 | 0.5 | | 0.1 | | | | | | 4.4 | 7.0 |
| S | 1.4 | 2.5 | 1.3 | 1.8 | 0.4 | 0.1 | | | | | | 7.5 | 6.6 |
| SSW | 0.8 | 2.3 | 4.3 | 1.2 | | | | | | | | 7.0 | 7.0 |
| SW | 0.0 | 1.2 | 0.0 | 0.3 | 0.1 | | | | | | | 2.9 | 6.7 |
| WSW | 1.0 | 1.1 | 0.4 | 0.3 | 0.1 | | | | | | | 2.7 | 5.9 |
| W | 0.0 | 1.0 | 0.0 | 1.1 | 0.2 | | | | | | | 4.4 | 6.1 |
| WNW | 0.0 | 0.8 | 1.1 | 1.2 | 0.1 | | | | | | | 3.7 | 6.9 |
| NW | 1.1 | 1.0 | 1.4 | 1.5 | 0.4 | | | | | | | 6.2 | 5.0 |
| NNW | 0.3 | 1.0 | 3.1 | 1.7 | 0.5 | | | | | | | 7.5 | 6.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.1 | |
| | 1.0 | 27.7 | 24.3 | 16.7 | 3.5 | 0.5 | 0.1 | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS 970

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

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

STATION: LYNCHVILLE AFB MS STATION NAME: LYNCHVILLE AFB MS YEARS: 73-74 MONTH: JAN
 CLASS: ALL WEATHER HOURS (LST): 000-2400
 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 | 3.0 | 5.7 | 7.1 | 1.4 | .4 | | | | | | 17.4 | 10.2 |
| NNE | .4 | 1.0 | 2.7 | 1.4 | .1 | | | | | | | 3.4 | 5.4 |
| NE | 1.7 | 1.5 | 1.0 | .6 | | | | | | | | 3.4 | 7.3 |
| ENE | .4 | 1.0 | 1.2 | .1 | | | | | | | | 3.7 | 5.6 |
| E | .4 | 1.3 | .9 | | | | | | | | | 3.5 | 5.9 |
| ESE | 1.1 | 1.0 | 1.1 | .7 | | | | | | | | 3.7 | 5.3 |
| SE | 1.1 | 1.7 | 2.3 | 1.2 | | | | | | | | 3.3 | 7.8 |
| SSE | 1.7 | 2.0 | 1.8 | 1.7 | .4 | | | | | | | 4.1 | 8.2 |
| SSW | 1.0 | 1.2 | 2.5 | 2.4 | | | | | | | | 7.0 | 4.8 |
| SW | 1.7 | 1.5 | 1.1 | .4 | | | | | | | | 4.5 | 5.3 |
| WSW | .4 | 1.3 | .8 | .3 | .1 | | | | | | | 3.1 | 6.7 |
| W | .4 | 1.0 | 1.6 | .8 | .7 | | | | | | | 3.5 | 7.3 |
| WNW | .4 | 2.4 | 1.1 | .6 | .1 | | | | | | | 4.0 | 5.5 |
| NW | .7 | 1.7 | 1.6 | .4 | | | | | | | | 4.1 | 7.4 |
| NNW | .4 | 2.4 | 1.8 | 1.3 | .4 | | | | | | | 7.0 | 5.9 |
| VARBL | | | | | | | | | | | | 9.5 | |
| CALM | | | | | | | | | | | | | |
| | 12.7 | 29.6 | 26.6 | 13.0 | 3.7 | .4 | | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS: 430

AL CLIMATOLOGY BRANCH
 AFAC
 WEATHER SERVICE AFAC

SURFACE WINDS

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

STATION 72808 STATION NAME WYTHEVILLE AFB VA YEARS 73-52 MONTH JA
 CLASS ALL WEATHER HOURS 1120
 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 | .0 | 0.1 | 0.7 | 2.4 | .0 | | | | | | 27.4 | 11.2 |
| NNE | .0 | .0 | 0.2 | 1.9 | .3 | | | | | | | 7.0 | 4.1 |
| NE | .0 | 1.1 | 1.2 | 1.1 | .1 | | | | | | | 2.7 | 0.3 |
| ENE | .0 | 1.0 | 1.1 | .7 | | | | | | | | 2.0 | 0.4 |
| E | .0 | 1.0 | 1.0 | .6 | | | | | | | | 2.0 | 7.3 |
| ESE | .0 | .0 | .0 | .5 | | | | | | | | 2.0 | 0.7 |
| SE | .0 | 1.0 | 1.1 | .1 | .1 | | | | | | | 2.7 | 7.8 |
| SSE | .0 | 1.7 | 2.6 | 1.7 | .2 | | | | | | | 8.0 | 0.4 |
| S | .0 | 2.7 | 3.0 | 3.7 | .4 | .1 | | | | | | 11.4 | 0.7 |
| SSW | .0 | 1.7 | 2.7 | 2.7 | .5 | | | | | | | 7.8 | 0.6 |
| SW | .4 | .0 | 1.3 | .2 | .0 | | | | | | | 3.8 | 0.2 |
| WSW | .0 | 1.0 | 1.0 | .9 | | | | | | | | 2.7 | 0.7 |
| W | .0 | 2.0 | 2.5 | 1.1 | .3 | .1 | | | | | | 7.0 | 1.1 |
| WNW | .0 | 1.0 | 1.3 | 1.0 | .1 | | | | | | | 0.2 | 0.7 |
| NW | .4 | .0 | 1.3 | 1.7 | | | | | | | | 4.0 | 0.9 |
| NNW | .0 | 1.0 | 2.5 | 0.2 | .4 | .1 | | | | | | 7.6 | 0.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 7.9 | 23.0 | 33.6 | 23.6 | 5.3 | .6 | | | | | | 100.0 | 0.7 |

TOTAL NUMBER OF OBSERVATIONS 1120

CENTRAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE /MAC

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

SURFACE WINDS

1024 AF STATION MUSTHEVILLE AFB 73-81 YEARS JA MONTH

ALL WEATHER CLASS

1953-1958 HOURS IN YEAR

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 | 7.1 | 3.2 | 1.3 | 2.9 | .1 | | | | | | 7.2 | 1.7 |
| NNE | .0 | 3.0 | 3.8 | 3.5 | .0 | | | | | | | 1.5 | 3.7 |
| NE | .4 | 1.0 | 1.6 | .6 | | | | | | | | 1.7 | 7.3 |
| ENE | .0 | .2 | .6 | .2 | | | | | | | | .0 | 3.5 |
| E | 1.0 | .7 | .6 | .3 | | | | | | | | .0 | 3.7 |
| ESE | .0 | .0 | .6 | .2 | .3 | | | | | | | 1.2 | 7.7 |
| SE | .0 | .4 | .0 | .3 | .0 | | | | | | | 1.0 | 3.7 |
| SSE | .0 | .6 | 2.5 | 1.0 | .3 | | | | | | | 4.0 | 6.0 |
| S | .0 | 1.7 | 2.7 | 7.9 | 1.7 | .1 | | | | | | 1.3 | 11.4 |
| SSW | .0 | 1.3 | 3.0 | 3.4 | .0 | | | | | | | 2.4 | 10.2 |
| SW | .0 | 1.1 | 1.6 | 1.5 | .4 | | | | | | | .3 | 3.5 |
| WSW | .0 | 1.3 | 1.3 | .9 | | | | | | | | 3.2 | 7.6 |
| W | .1 | .0 | 2.2 | 1.7 | .7 | .1 | | | | | | 4.0 | 10.2 |
| WNW | .4 | .2 | 1.5 | 1.3 | .2 | | | | | | | 3.7 | 9.9 |
| NW | .5 | 1.2 | 1.0 | 1.7 | .3 | | | | | | | 5.3 | 8.2 |
| NNW | 1.1 | 1.4 | 2.4 | 1.9 | 1.7 | .2 | | | | | | 1.2 | 9.9 |
| VARBL | | | | | | | | | | | | 6.0 | |
| CALM | | | | | | | | | | | | | |
| | .7 | 13.0 | 31.7 | 28.7 | 7.7 | .6 | | | | | | 11.2 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS

170

U.S. AIR FORCE
 METAC
 WEATHER SERVICE/4AC

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

SURFACE WINDS

STATION: 177401 WYTHEVILLE AFB 4 STATION NAME: 77-80 YEARS: JAN MONTH: 1500-1700 HOURS (LST)
 CLASS: ALL WEATHER CONDITION:

| SPEED (KNTS) DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|---------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 1.0 | 3.0 | 6.7 | 4.0 | .2 | .1 | | | | | | 17.3 | 5.3 |
| NNE | .0 | 1.1 | 3.1 | 2.3 | .7 | | | | | | | 5.1 | 3.7 |
| NE | .0 | 1.0 | 1.1 | 1.1 | | | | | | | | 4.4 | 7.2 |
| ENE | 1.1 | 1.0 | .5 | .1 | | | | | | | | 2.7 | 4.5 |
| E | .0 | .0 | .5 | .1 | | | | | | | | 1.0 | 3.9 |
| ESE | .0 | .7 | 1.4 | | | | | | | | | 2.2 | 7.2 |
| SE | .0 | 1.0 | 1.6 | .6 | .2 | .1 | | | | | | 4.5 | 3.6 |
| SSE | .0 | 1.4 | 1.4 | .6 | .1 | .1 | | | | | | 4.1 | 3.3 |
| S | 1.0 | 2.5 | 2.7 | 3.4 | .0 | .2 | | | | | | 11.4 | 9.2 |
| SSW | 1.1 | 1.0 | 2.0 | 2.7 | .2 | .2 | | | | | | 1.9 | 4.3 |
| SW | .0 | 1.0 | 1.0 | 1.2 | .7 | | | | | | | 4.0 | 3.3 |
| WSW | .0 | 1.4 | .8 | 1.2 | .1 | | | | | | | 3.4 | 4.2 |
| W | .0 | 1.1 | 1.0 | 1.3 | .2 | .1 | | | | | | 2.2 | 4.7 |
| WNW | .0 | .0 | 1.4 | .4 | .2 | | | | | | | 1.1 | 3.7 |
| NW | .0 | 1.1 | 2.7 | 1.4 | .1 | | | | | | | 4.0 | 3.0 |
| NNW | .0 | 1.0 | 1.0 | .9 | 1.7 | .1 | | | | | | 1.7 | 1.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | .6 | 25.3 | 31.1 | 20.3 | 4.4 | 1.0 | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS

GENERAL CLIMATOLOGY BRANCH
 METAC
 AIR WEATHER SERVICE/MAJ

SURFACE WINDS

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

7234 56 ALMHEVILLE AFB A 73-PJ JA¹
STATION STATION NAME YEAR MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (LST)

CONDITION

| SPEED (KNTS) DIR | | | | | | | | | | | | % | MEAN WIND SPEED |
|------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------------|
| | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | | |
| N | .2 | 4.7 | 3.7 | 2.4 | .7 | .2 | | | | | | 14.6 | 5.3 |
| NNE | 2.4 | 3.1 | 3.7 | 2.4 | .1 | | | | | | | 11.2 | 7.3 |
| NE | 1.7 | 1.7 | 1.6 | .4 | | | | | | | | 3.4 | 3.6 |
| ENE | 1.7 | .3 | .4 | | | | | | | | | 2.8 | 4.1 |
| E | 1.2 | 1.3 | .3 | | | | | | | | | 2.7 | 4.2 |
| ESE | 1.1 | 1.7 | .7 | .1 | | | | | | | | 3.2 | 4.7 |
| SE | .7 | 1.4 | 1.1 | .4 | | | | | | | | 3.3 | 6.3 |
| SSE | .7 | 1.3 | 1.3 | .6 | .3 | | | | | | | 4.3 | 6.6 |
| S | 1.7 | 4.7 | 3.7 | 2.3 | .7 | | .1 | | | | | 12.4 | 7.8 |
| SSW | .7 | 2.7 | 2.4 | 1.7 | .7 | | | | | | | 6.2 | 6.2 |
| SW | 1.7 | .7 | .7 | .7 | .7 | .1 | | | | | | 6.2 | 7.2 |
| WSW | .4 | 1.1 | .4 | .5 | .7 | | | | | | | 2.7 | 7.3 |
| W | .1 | 1.1 | 1.2 | 1.7 | .4 | | | | | | | 3.5 | 3.4 |
| WNW | .7 | .7 | 1.1 | .4 | .4 | | | | | | | 2.3 | 6.1 |
| NW | .7 | 1.1 | 1.6 | .7 | .7 | | | | | | | 3.7 | 6.4 |
| NNW | .7 | .5 | 1.8 | .9 | .5 | | | | | | | 4.4 | 6.7 |
| VARBL | | | | | | | | | | | | 1.6 | |
| CALM | | | | | | | | | | | | 1.6 | |
| | 16.7 | 29.4 | 24.4 | 15.3 | 2.9 | .5 | | .1 | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 570

FEDERAL CLIMATOLOGY BUREAU
 WASHINGTON, D.C.
 WEATHER SERVICE

SURFACE WINDS

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

STATION: 22405 CLYTHEWILL AFB TX STATION NAME: CLYTHEWILL AFB TX YEARS: 77-8 NA NORTH
 CLASS: ALL WEATHER HOURS: 24
 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 | 4.2 | 2.3 | 4.2 | .2 | .1 | | | | | | 1.2 | 7.2 |
| NNE | 1.2 | 1.2 | 1.5 | 2.3 | | | | | | | | 1.2 | 7.2 |
| NE | .1 | 1.1 | .9 | .6 | | | | | | | | 1.2 | 7.2 |
| ENE | .1 | 1.4 | 1.1 | .1 | | | | | | | | 1.1 | 6.4 |
| E | 1.2 | .1 | .8 | .2 | | | | | | | | 1.1 | 6.4 |
| ESE | 1.7 | .4 | .1 | | | | | | | | | 1.1 | 6.4 |
| SE | .1 | 1.1 | .2 | .1 | | | | | | | | 1.1 | 6.4 |
| SSE | .4 | 2.5 | 2.2 | .5 | .2 | | | | | | | .5 | 7.4 |
| S | .2 | 4.2 | 2.8 | 1.3 | .4 | | | | | | | 1.1 | 6.4 |
| SSW | .1 | 3.3 | 1.7 | 2.5 | .1 | .1 | | | | | | 1.4 | 6.3 |
| SW | .1 | 1.4 | 1.4 | .3 | .1 | | | | | | | 1.1 | 7.2 |
| WSW | .4 | .1 | .1 | .2 | .1 | | | | | | | 1.7 | 7.4 |
| W | .1 | 1.3 | .6 | 1.5 | .1 | | | | | | | 1.7 | 7.4 |
| WNW | 1.7 | 1.3 | .6 | 1.2 | .1 | .1 | | | | | | 4.5 | 6.3 |
| NW | .4 | 1.6 | .3 | 1.1 | | | | | | | | 1.1 | 6.3 |
| NNW | .1 | .1 | 1.9 | 1.6 | .5 | | | | | | | 1.6 | 6.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.4 | |
| | 13.5 | 21.7 | 23.9 | 17.9 | 7.1 | .4 | | | | | | 100 | |

TOTAL NUMBER OF OBSERVATIONS: 100

GENERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

723402 WLYTHEVILLE AFB AR 73-31
STATION STATION NAME YEARS MONTH
ALL-WEATHER CLASS ALL
CONDITION HOURS (LST)

| 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 | 3.0 | 1.0 | 4.9 | 1.1 | .0 | .0 | .0 | .0 | .0 | .0 | 10.5 | 4.8 |
| NNE | .0 | 2.4 | 2.9 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 7.7 | 6.1 |
| NE | .7 | 1.5 | 1.1 | .9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.3 | 6.8 |
| ENE | .0 | 1.5 | .7 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.9 | 5.4 |
| E | .0 | 1.1 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.3 | 5.5 |
| ESE | .7 | .7 | .6 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.3 | 5.7 |
| SE | .0 | 1.0 | 1.0 | .3 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | 2.9 | 7.1 |
| SSE | .0 | 1.0 | 1.8 | .9 | .1 | .1 | .0 | .0 | .0 | .0 | .0 | 5.1 | 7.6 |
| S | 1.3 | 2.0 | 2.4 | 2.5 | .6 | .1 | .0 | .0 | .0 | .0 | .0 | 9.7 | 8.6 |
| SSW | .0 | 2.7 | 2.7 | 2.3 | .3 | .1 | .0 | .0 | .0 | .0 | .0 | 10.4 | 8.8 |
| SW | .7 | 1.5 | 1.2 | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 7.6 |
| WSW | .7 | 1.1 | .7 | .6 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | 3.7 | 7.3 |
| W | .0 | 1.4 | 1.5 | 1.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 6.7 |
| WNW | .0 | 1.3 | 1.1 | 1.0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | 4.1 | 6.7 |
| NW | .0 | 1.4 | 1.6 | 1.2 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | 4.0 | 6.4 |
| NNW | .0 | 1.5 | 2.2 | 1.6 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | 6.5 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.0 | |
| | 11.7 | 26.1 | 26.9 | 20.3 | 4.1 | .7 | .0 | .0 | .0 | .0 | .0 | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS 744

OFFICE OF CLIMATOLOGY BRANCH
 AFSS-CLTAC
 AIR FORCE FATION SERVICE/MAC

SURFACE WINDS

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

1974 SLYTHEVILLE AFB AR 73-80 FEB MONTH

ALL WEATHER CLASS

000-0000 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 | 4.2 | 2.7 | 4.6 | 1.7 | .5 | .1 | | | | | 17.0 | 1.2 |
| NNE | 1.2 | 1.2 | 1.9 | 1.2 | .1 | .1 | .1 | | | | | 1.4 | 0.5 |
| NE | .1 | 1.7 | 1.2 | .7 | | | | | | | | 3.0 | 1.5 |
| ENE | .7 | 1.7 | .6 | | | | | | | | | 3.0 | 0.3 |
| E | 1.4 | 2.2 | .2 | | | .2 | | | | | | 3.8 | 0.7 |
| ESE | .7 | 1.3 | .1 | .1 | | | | | | | | 2.2 | 4.6 |
| SE | .7 | 1.7 | .7 | .7 | .5 | | | | | | | 4.3 | 7.6 |
| SSE | 1.4 | 2.1 | .6 | .4 | .4 | .1 | | | | | | 3.0 | 0.5 |
| S | 1.7 | 2.0 | 3.9 | 2.1 | .6 | | | | | | | 11.1 | 5.1 |
| SSW | .5 | 2.5 | 3.1 | 1.7 | | | | | | | | 7.9 | 7.6 |
| SW | .4 | .7 | 1.2 | .7 | .2 | | | | | | | 3.3 | .9 |
| WSW | .1 | .4 | .5 | .5 | | | | | | | | 1.7 | 2.1 |
| W | .7 | .3 | .6 | .9 | .1 | .1 | | | | | | 3.3 | 1.4 |
| WNW | .5 | 1.2 | .5 | .9 | | | | | | | | 3.1 | 7.5 |
| NW | .4 | .7 | 1.1 | .9 | | | | | | | | 3.2 | 0.2 |
| NNW | .5 | .1 | 2.6 | 2.6 | .7 | | | | | | | 6.0 | 1.0 |
| VARBL | | | | | | | | | | | | 13.7 | |
| CALM | | | | | | | | | | | | | |
| | 13.7 | 25.1 | 23.9 | 12.1 | 3.9 | .6 | .7 | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 540

FEDERAL CLIMATOLOGY BRANCH
 AFM 1-60
 WEATHER SERVICE 7440

SURFACE WINDS

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

STATION RYANVILLE AFB A YEARS 73-80 MONTH ALL
 STATION NAME CLASS ALL WEATHER HOUR (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 | 4.3 | 0.3 | .5 | 1.7 | . | | | | | | 7.3 | 1.0 |
| NNE | .7 | 2.0 | 1.0 | 1.3 | .1 | | | | | | | 4.3 | 7.4 |
| NE | . | 1.0 | .7 | .9 | | | | | | | | 4.6 | 6.7 |
| ENE | 1.0 | 1.0 | .8 | .1 | | | | | | | | 3.1 | 4.9 |
| E | .7 | 1.7 | .9 | .1 | | | | | | | | 2.1 | 5.6 |
| ESE | . | 1.7 | .5 | .1 | | | | | | | | 1.8 | 5.5 |
| SE | .4 | 1.3 | 1.1 | .6 | | | | | | | | 3.7 | 6.3 |
| SSE | 1.1 | 1.7 | .5 | 1.1 | .4 | | | | | | | 4.7 | 7.0 |
| S | 1.7 | 1.7 | 3.7 | 1.7 | .1 | | | | | | | 11.1 | 7.5 |
| SSW | . | 2.7 | 3.5 | 1.5 | .7 | .1 | | | | | | 11.1 | 6.5 |
| SW | .4 | 2.7 | 1.7 | .5 | | | | | | | | 6.1 | 6.0 |
| WSW | .4 | .7 | .7 | .2 | | | | | | | | 3.4 | 6.0 |
| W | 1.3 | 1.1 | .4 | .3 | .5 | .1 | | | | | | 3.4 | 7.9 |
| WNW | .4 | . | .5 | .3 | | | | | | | | 2.2 | 6.9 |
| NW | .4 | .4 | .6 | 1.1 | .1 | | | | | | | 3.2 | 10.3 |
| NNW | .7 | 1.7 | 2.2 | 1.1 | .1 | | | | | | | 11.1 | 7.7 |
| VARBL | | | | | | | | | | | | 13.0 | |
| CALM | | | | | | | | | | | | 100.0 | 7.0 |
| | 15.4 | 26.4 | 24.2 | 17.6 | 3.7 | .7 | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 46

U.S. AIR FORCE
 NATIONAL CLIMATOLOGY BRANCH
 AFMTC
 AIR WEATHER SERVICE / AFAC

SURFACE WINDS

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

STATION 72245F WILMETHVILLE AFB A STATION NAME WILMETHVILLE AFB A YEARS 73-82 PERIOD 73-82
 CLASS ALL WEATHER LOCATION 72245F
 HOURS 12-1
 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 | 4.0 | 4.6 | 9.3 | .0 | .5 | | | | | | 1.6 |
| NNE | .0 | 2.1 | 3.0 | 1.7 | | | | | | | | 1.6 |
| NE | .0 | 1.4 | 1.4 | .2 | | | | | | | | 1.1 |
| ENE | .7 | 1.7 | .1 | | | | | | | | | 1.1 |
| E | 1.7 | 1.0 | 1.1 | .4 | | | | | | | | 1.1 |
| ESE | 1.2 | .0 | .6 | | .1 | | | | | | | 1.1 |
| SE | 1.1 | 2.1 | .7 | .8 | .5 | | | | | | | 1.1 |
| SSE | .6 | 2.1 | 1.3 | .4 | .1 | .1 | | | | | | 1.1 |
| S | 1.4 | 2.4 | 3.2 | 2.6 | | | | | | | | 1.1 |
| SSW | .0 | 1.4 | 2.7 | 2.0 | .5 | .1 | | | | | | 1.1 |
| SW | .0 | .0 | 1.3 | .6 | .1 | | | | | | | 1.1 |
| WSW | .0 | .0 | .5 | .5 | | | | | | | | 1.1 |
| W | .0 | 1.1 | .1 | .7 | .1 | | | | | | | 1.1 |
| WNW | .0 | 1.1 | .5 | .0 | .0 | .1 | | | | | | 1.1 |
| NW | .0 | 1.1 | .0 | 1.4 | | | | | | | | 1.1 |
| NNW | .1 | 1.3 | 2.2 | 1.3 | .2 | .1 | | | | | | 1.1 |
| VARBL | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | |
| | 12.3 | 27.7 | 24.3 | 27.7 | 2.7 | .0 | | | | | | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 143

FEDERAL CLIMATOLOGY BRANCH
 AFCECTAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

123400 ALYTHEVILLE AFB AL 73-82 STATION MONTH

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|---------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | .0 | 2.4 | 3.7 | 3.1 | .3 | .0 | | | | | | 13.1 | 10.4 |
| NNE | .0 | 1.2 | 3.1 | 2.1 | | | | | | | | 7.1 | 8.7 |
| NE | .0 | .0 | 1.1 | 1.1 | | | | | | | | 3.3 | 6.6 |
| ENE | .0 | 1.2 | .8 | .2 | | | | | | | | 2.3 | 3.8 |
| E | .0 | 1.0 | 1.7 | | | | | | | | | 2.5 | 5.6 |
| ESE | .0 | 1.1 | .7 | .4 | | | | | | | | 2.4 | 6.1 |
| SE | .0 | 1.2 | 2.6 | .9 | .2 | .2 | | | | | | 5.2 | 8.6 |
| SSE | .0 | 1.0 | 2.4 | .9 | .4 | .4 | | | | | | 5.7 | 9.3 |
| S | 1.1 | 2.4 | 4.8 | 7.7 | .4 | .7 | | | | | | 17.1 | 10.7 |
| SSW | .4 | .0 | 7.0 | .1 | .9 | .1 | | | | | | 8.4 | 11.0 |
| SW | .0 | .0 | .0 | 1.9 | .2 | .1 | | | | | | 2.4 | 10.4 |
| WSW | .0 | 1.4 | .5 | .6 | | | | | | | | 3.2 | 6.3 |
| W | .1 | .0 | 1.7 | .6 | .5 | | | | | | | 4.3 | 10.3 |
| WNW | .4 | .0 | 1.2 | 1.4 | .7 | .1 | | | | | | 4.3 | 10.1 |
| NW | .2 | .0 | 1.4 | 1.6 | | | | | | | | 4.3 | 7.6 |
| NNW | .0 | 1.2 | 2.4 | 2.6 | .6 | .1 | | | | | | 7.3 | 10.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.4 | 22.0 | 32.6 | 27.7 | 4.0 | 2.4 | | | | | | 100.0 | 9.1 |

TOTAL NUMBER OF OBSERVATIONS 346

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

70340P STATION OLYTHEVILLE AFB AF STATION NAME 73-92 YEARS 1950-1950 MONTHS 1950-1950

ALL WEATHER
 CLASS

1950-1950
 HOURS (L & 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 | 2.7 | 5.1 | 5.6 | 1.3 | .1 | | | | | | 15.0 | 10.3 |
| NNE | .8 | 1.3 | 2.7 | 1.5 | | | | | | | | 1.4 | 6.2 |
| NE | .5 | 1.2 | 1.4 | .7 | | | | | | | | 3.8 | 7.3 |
| ENE | .8 | .8 | .6 | | | | | | | | | 1.9 | 5.3 |
| E | 1.3 | 1.5 | .8 | | | | | | | | | 3.7 | 4.9 |
| ESE | .8 | .5 | .4 | .5 | | | | | | | | 1.9 | 6.7 |
| SE | .6 | .4 | .4 | .9 | .1 | | | | | | | 2.4 | 6.7 |
| SSE | .7 | .8 | .9 | .6 | .2 | .1 | .1 | | | | | 3.3 | 4.6 |
| S | .7 | 2.8 | 5.2 | 5.1 | 1.3 | .9 | | | | | | 18.0 | 11.0 |
| SSW | .8 | 2.5 | 2.6 | 3.5 | .9 | .2 | | | | | | 10.0 | 10.4 |
| SW | .8 | 1.4 | 1.3 | 2.2 | .7 | .1 | | | | | | 5.7 | 10.2 |
| WSW | .8 | .7 | 1.2 | .7 | .4 | | | | | | | 3.4 | 8.6 |
| W | .6 | 1.2 | .9 | .8 | .5 | | | | | | | 4.0 | 6.9 |
| WNW | .8 | .4 | 1.5 | 1.5 | .5 | .2 | | | | | | 4.0 | 10.6 |
| NW | .1 | .1 | 1.2 | 1.3 | .7 | | | | | | | 2.4 | 10.4 |
| NNW | .1 | 1.3 | 2.7 | 1.8 | .1 | | | | | | | 6.4 | 9.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.0 | |
| | 9.9 | 27.2 | 29.9 | 27.9 | 6.4 | 1.7 | .1 | | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS 246

UNITED STATES AIR FORCE
 AIR FORCE CLIMATE CENTER
 WASHINGTON, D. C. 20330

SURFACE WINDS

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

STATION: WYTHEVILLE AFB AB YEAR: 73-9 MONTH: 10
 CLASS: ALL WEATHER HOURS: 0-1700
 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 | 3.4 | 5.0 | 5.0 | .0 | | | | | | | 10.9 | 9.3 |
| NNE | .0 | 2.3 | 3.3 | 1.4 | .0 | | | | | | | 7.0 | 6.2 |
| NE | .0 | .0 | 1.5 | 1.1 | | | | | | | | 3.7 | 6.1 |
| ENE | .0 | 1.0 | .0 | | .1 | | | | | | | 1.1 | 4.6 |
| E | .1 | 1.4 | .0 | | | | | | | | | 1.5 | 5.1 |
| ESE | .0 | .0 | .0 | .1 | | | | | | | | 1.1 | 6.7 |
| SE | .0 | 1.0 | 1.1 | 1.3 | .1 | | | | | | | 4.4 | 7.0 |
| SSE | .0 | 1.0 | .0 | .6 | | | | | | | | 1.1 | 7.1 |
| S | 1.1 | 3.4 | 4.7 | 4.3 | 1.0 | .4 | | | | | | 11.1 | 11.3 |
| SSW | 1.1 | 2.4 | 3.5 | 3.5 | .0 | | | | | | | 11.0 | 10.2 |
| SW | .0 | 1.4 | 1.4 | 1.5 | .0 | | | | | | | 4.3 | 7.0 |
| WSW | .0 | .0 | 1.2 | .0 | | | | | | | | 1.4 | 5.1 |
| W | .0 | .0 | .0 | .0 | .4 | | | | | | | 0.4 | 10.0 |
| WNW | .0 | 1.1 | 1.4 | 1.1 | .0 | | | | | | | 4.6 | 7.0 |
| NW | .0 | 1.1 | 2.1 | .0 | .0 | | | | | | | 3.2 | 6.4 |
| NNW | .0 | .0 | 2.0 | .0 | .0 | | | | | | | 4.0 | 6.9 |
| CALM | | | | | | | | | | | | 1.1 | |
| TOTAL | 10.6 | 24.4 | 30.6 | 24.3 | 5.0 | .4 | | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS: 842

FEDERAL BUREAU OF SURVEILLANCE
 U.S. AIR FORCE
 WEATHER SERVICE, WAC

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

SURFACE WINDS

1974 STATION 014 THE WILLOW AFB AT 73-82 YEARS 1900-1900

ALL WEATHER
 CLASS

1900-1900
 HOURS (LST)

CONDITION

| SPEED (KNTS) DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|---------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------|
| N | 1.4 | 2.2 | 2.8 | 3.7 | 1.1 | .0 | | | | | | 13.2 | 3.2 |
| NNE | .1 | 2.2 | 3.0 | 1.8 | .2 | .1 | | | | | | 9.3 | 3.3 |
| NE | 1.2 | 2.7 | .5 | .5 | .1 | | | | | | | 8.0 | 3.0 |
| ENE | .7 | 1.1 | .6 | .1 | | | | | | | | 2.5 | 3.4 |
| E | .2 | 1.2 | .7 | | | | | | | | | 4.1 | 4.1 |
| ESE | 1.7 | 1.2 | .5 | .7 | .1 | | | | | | | 5.7 | 4.9 |
| SE | .1 | 1.7 | .7 | 1.1 | | | | | | | | 4.4 | 7.2 |
| SSE | 1.1 | 2.4 | .4 | .7 | .1 | | | | | | | 1.3 | 5.5 |
| S | 3.1 | 5.2 | 4.4 | 2.4 | .5 | | | | | | | 18.0 | 7.5 |
| SSW | .7 | 2.2 | 2.0 | .2 | .1 | | | | | | | 3.6 | 6.7 |
| SW | .1 | .1 | .5 | .2 | | .1 | | | | | | 1.7 | 3.4 |
| WSW | .2 | .1 | .6 | .9 | | | | | | | | 2.7 | 3.6 |
| W | .5 | 1.2 | .5 | .2 | | | | | | | | 2.8 | 3.3 |
| WNW | .4 | 1.1 | .5 | 1.2 | | | | | | | | 3.1 | 6.5 |
| NW | .1 | .7 | .5 | .9 | .2 | | | | | | | 2.3 | 10.1 |
| NNW | .1 | .6 | .2 | 1.1 | .2 | | | | | | | 3.2 | 4.5 |
| VARBL | | | | | | | | | | | | 14.5 | |
| CALM | | | | | | | | | | | | 10.0 | 0.3 |

TOTAL NUMBER OF OBSERVATIONS 46

FEDERAL BUREAU OF SURVEILLANCE
 AIR FORCE WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: WALTHAMVILLE AFB 1 STATION NAME: WALTHAMVILLE AFB 1 YEARS: 73-82 MONTH: ALL

CLASS: ALL WEATHER HOURS (LST): 100-2300

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 | 4.5 | 3.5 | 3.1 | .7 | .1 | .3 | .1 | | | | 14.4 | 4.7 |
| NNE | | 2.7 | 3.7 | 2.1 | .7 | .7 | .1 | | | | | 11.2 | 6.9 |
| NE | | 1.9 | .5 | .1 | .1 | | | | | | | 7.1 | 5.5 |
| ENE | 1.0 | 1.7 | .5 | .7 | | | | | | | | 5.8 | 4.5 |
| E | 1.7 | 1.7 | .4 | | | | | | | | | 10.2 | 3.7 |
| ESE | 1.1 | 1.0 | .7 | .5 | .1 | .1 | | | | | | 7.5 | 6.6 |
| SE | 1.4 | 1.0 | .5 | .5 | .7 | | | | | | | 4.5 | 5.1 |
| SSE | 1.0 | 2.7 | .9 | .2 | | | | | | | | 11.2 | 6.1 |
| S | 2.1 | 4.5 | 3.5 | 3.8 | .2 | | | | | | | 13.5 | 6.2 |
| SSW | .4 | 1.9 | 2.1 | .8 | .1 | | | | | | | 5.3 | 7.8 |
| SW | .1 | .4 | .7 | .4 | .1 | .1 | | | | | | 11.3 | 11.6 |
| WSW | .7 | .5 | .7 | .7 | .1 | | | | | | | 11.7 | 7.3 |
| W | 1.0 | .0 | .7 | .5 | | | | | | | | 3.7 | 5.9 |
| WNW | .5 | .7 | .6 | .7 | .1 | | | | | | | 6.7 | 8.8 |
| NW | | .1 | .9 | .9 | .1 | | | | | | | 2.7 | 11.2 |
| NNW | | 1.7 | 1.4 | 1.4 | .9 | | | | | | | 7.6 | 10.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.3 | |
| | .2 | 26.3 | 29.2 | 17.8 | 3.2 | .6 | .2 | .1 | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS: 545

U.S. AIR FORCE
 METEOROLOGICAL BRANCH
 METAC
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

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

123400 LYTHEWILL AFB A 73-82
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 1.2 | 2.7 | 1.0 | 1.6 | 1.1 | .3 | .2 | .2 | | | | 12.2 | 7.2 |
| NNE | .3 | 2.0 | 2.3 | 1.7 | .1 | .1 | .1 | | | | | 7.5 | 3.4 |
| NE | .7 | 1.6 | 1.3 | .6 | .3 | | | | | | | 7.5 | 3.7 |
| ENE | .1 | 1.4 | .5 | .1 | .2 | | | | | | | 2.4 | 5.0 |
| E | 1.2 | 1.6 | .8 | .1 | .2 | | | | | | | 3.7 | 4.9 |
| ESE | .1 | 1.1 | .4 | .2 | .2 | .2 | | | | | | 3.3 | 5.7 |
| SE | .1 | 1.3 | 1.0 | .6 | .2 | .2 | | | | | | 4.3 | 7.6 |
| SSE | .2 | 1.7 | 1.7 | .5 | .1 | .1 | .2 | | | | | 4.0 | 7.1 |
| S | 1.2 | 2.1 | 4.1 | 3.2 | .6 | .2 | .2 | | | | | 17.4 | 8.9 |
| SSW | .7 | 2.4 | 2.1 | 2.1 | .5 | .1 | | | | | | 13.5 | 6.9 |
| SW | .1 | .2 | 1.1 | 1.7 | .2 | .1 | | | | | | 3.7 | 9.2 |
| WSW | .1 | .8 | .5 | .7 | .1 | | | | | | | 2.3 | 7.7 |
| W | .7 | 1.3 | .7 | .7 | .3 | .2 | | | | | | 3.4 | 8.7 |
| WNW | .4 | .3 | .9 | 1.1 | .2 | .1 | | | | | | 2.4 | 6.4 |
| NW | .2 | .7 | 1.1 | 1.2 | .2 | | | | | | | 2.4 | 6.6 |
| NNW | .1 | 1.2 | 2.0 | 1.6 | .4 | .2 | | | | | | 3.6 | 6.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.9 | |
| | 12.4 | 25.5 | 25.8 | 21.2 | 4.2 | 1.7 | .1 | .7 | | | | 122.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS 6767

USAF CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJAC

SURFACE WINDS

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

723412 STATION WLYTHEWILL AFB AT STATION NAME 73-62 YEARS 4 MONTHS 0

CLASS ALL WEATHER HOURS 0000-2300

CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|----------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 2.0 | 2.2 | 2.7 | 2.8 | .1 | .1 | | | | | | 1.2 | 6.9 |
| NNE | .1 | 1.3 | 1.4 | 1.7 | | .1 | | | | | | 1.2 | 6.6 |
| NE | .1 | 1.5 | .6 | .6 | | | | | | | | 3.2 | 6.7 |
| ENE | 1.1 | 2.0 | .4 | .2 | | | | | | | | 4.7 | 5.5 |
| E | 1.7 | 2.9 | 1.5 | .1 | | | | | | | | 5.2 | 6.2 |
| ESE | 1.2 | 1.2 | .6 | .1 | .3 | | | | | | | 3.7 | 6.5 |
| SE | 1.3 | 1.6 | 1.1 | .5 | .1 | .4 | | | | | | 4.9 | 7.8 |
| SSE | 1.7 | 2.3 | 3.3 | 1.2 | | .1 | | | | | | 7.3 | 7.3 |
| S | .7 | 3.5 | 4.5 | 3.2 | 1.2 | .5 | | | | | | 13.8 | 9.9 |
| SSW | .6 | 4.7 | 3.7 | 1.5 | .2 | | | | | | | 9.3 | 7.4 |
| SW | .7 | .5 | .5 | .3 | | .1 | .2 | | | | | 2.3 | 10.1 |
| WSW | .1 | .7 | .3 | .2 | | | | | | | | 1.1 | 6.5 |
| W | .1 | .1 | 1.4 | .6 | .1 | .1 | | | | | | 3.1 | 9.6 |
| WNW | .1 | 1.4 | 1.1 | .5 | | | | | | | | 3.3 | 7.2 |
| NW | .6 | 1.7 | .9 | 1.0 | .3 | | | | | | | 4.3 | 6.3 |
| NNW | .7 | 1.2 | 1.6 | 1.1 | .1 | | | | | | | 4.2 | 6.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.4 | |
| | 12.3 | 22.7 | 24.6 | 15.8 | 2.5 | 1.5 | .2 | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS 570

U.S. AIR FORCE
 METAC
 WEATHER SER. ICL/MAC

SURFACE WINDS

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

723493 STATION 14 THE HILL AFB AF 73-60 YEARS MAR MONTH

ALL WEATHER CLASS

0300-0900 HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|----------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 1.2 | 3.1 | 3.1 | 2.3 | .2 | .1 | | | | | | 11.5 | 5.2 |
| NNE | 1.7 | 1.9 | 1.2 | .9 | | | | | | | | 5.3 | 7.2 |
| NE | .1 | 1.3 | .9 | .6 | | | | | | | | 2.9 | 7.1 |
| ENE | 1.2 | 1.4 | .9 | .1 | | | | | | | | 3.5 | 5.1 |
| E | 2.4 | 1.2 | 1.5 | .5 | | | | | | | | 6.3 | 5.2 |
| ESE | 1.2 | 1.1 | .4 | .1 | | | | | | | | 3.1 | 5.1 |
| SE | 1.2 | 1.2 | 1.2 | 1.1 | .3 | .2 | | | | | | 6.2 | 6.4 |
| SSE | 1.7 | 2.5 | 1.4 | 1.3 | .1 | | | | | | | 6.9 | 6.9 |
| S | 1.1 | 2.7 | 4.5 | 2.2 | 1.7 | .5 | | | | | | 13.1 | 11.0 |
| SSW | .1 | 3.4 | 3.4 | .9 | | .7 | | | | | | 6.3 | 7.6 |
| SW | .1 | .5 | .4 | .4 | .1 | | | | | | | 2.4 | 6.5 |
| WSW | .1 | .6 | .5 | .2 | | | | | | | | 1.9 | 6.1 |
| W | .7 | .6 | 1.6 | 1.3 | | | | | | | | 4.1 | 6.8 |
| WNW | .6 | .9 | 1.5 | .9 | | | | | | | | 4.1 | 6.2 |
| NW | .3 | .7 | 1.2 | .8 | | | | | | | | 3.2 | 7.9 |
| NNW | .1 | 1.6 | 2.5 | 1.1 | .1 | | | | | | | 6.6 | 6.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.2 | |
| | 1.4 | 25.7 | 26.5 | 16.2 | 2.9 | 1.2 | | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS

471

U.S. AIR FORCE
 METEOROLOGICAL SERVICE
 AIR WEATHER SERVICE/AMC

SURFACE WINDS

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

STATION: 120418 DLYTHEVILLE AFB AR YEARS: 77-82 MONTH: MAY
 STATION NAME: DLYTHEVILLE AFB AR CLASS: ALL WEATHER HOURS IN SET: 1000-2000
 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 | 2.0 | 4.0 | 4.5 | 1.1 | .1 | | | | | | 17.0 | 10.2 |
| NNE | .0 | 2.3 | 1.4 | .6 | .0 | | | | | | | 4.7 | 7.4 |
| NE | .0 | 1.5 | .0 | .4 | | | | | | | | 3.2 | 6.4 |
| ENE | 1.3 | 1.4 | .4 | .5 | | | | | | | | 4.1 | 5.3 |
| E | 1.1 | 2.5 | 2.5 | .6 | | | | | | | | 5.4 | 6.6 |
| ESE | .0 | 1.4 | 1.3 | .3 | | | | | | | | 3.3 | 6.7 |
| SE | .4 | 2.5 | 2.2 | 1.1 | .1 | | | | | | | 6.2 | 7.9 |
| SSE | .0 | 2.2 | 1.0 | 1.1 | .1 | .2 | | | | | | 3.5 | 6.2 |
| S | .0 | 2.6 | 2.2 | 3.2 | 1.1 | .5 | | | | | | 14.9 | 10.7 |
| SSW | .0 | 1.2 | 2.8 | 2.4 | .3 | .4 | | | | | | 7.6 | 10.3 |
| SW | .0 | .4 | 1.0 | .3 | | | | | | | | 1.7 | 7.4 |
| WSW | .1 | .0 | .6 | .4 | .1 | | | | | | | 1.0 | 6.8 |
| W | .0 | 1.3 | 1.5 | 1.5 | | | | | | | | 4.5 | 6.1 |
| WNW | .1 | .0 | 1.8 | .3 | .1 | | | | | | | 3.2 | 6.3 |
| NW | .4 | 1.3 | 1.2 | .8 | | | | | | | | 3.7 | 7.5 |
| NNW | .4 | .0 | 1.8 | 1.6 | | | | | | | | 4.6 | 6.9 |
| VARBL | | | | | | | | | | | | 17.4 | |
| CALM | | | | | | | | | | | | 17.4 | |
| | .5 | 25.7 | 23.5 | 22.9 | 3.1 | 1.7 | | | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS: 929

U.S. AIR FORCE
 FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAJ

SURFACE WINDS

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

1954 STATION WYNTHVILLE AFB MS 73-82 YEARS MONTH

ALL WEATHER CLASS

1950-1954 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 | 1.5 | 2.5 | 4.5 | .2 | .1 | .1 | | | | | 12.2 | 11.2 |
| NNE | .7 | . | 1.0 | 1.9 | .2 | .2 | | | | | | 5.5 | 1.3 |
| NE | .7 | 1. | 1.7 | .9 | | | | | | | | 3.7 | 6.3 |
| ENE | .7 | 1.3 | 1.3 | 1.2 | | | | | | | | 3.7 | 6.6 |
| E | 1.7 | 2.5 | 2.8 | .5 | | | | | | | | 7.5 | 6.1 |
| ESE | .7 | 1.3 | 1.9 | .5 | | | | | | | | 4.1 | 7.4 |
| SE | .1 | .7 | 1.3 | 2.7 | .4 | .1 | .1 | | | | | 4.6 | 12.0 |
| SSE | .1 | . | 2.4 | 2.2 | .3 | | | | | | | 5.7 | 10.3 |
| S | .2 | 1.7 | 4.3 | 6.5 | 2.2 | .6 | .2 | | | | | 15.7 | 12.5 |
| SSW | .7 | 1.3 | 2.7 | 5.2 | 1.5 | .3 | .4 | | | | | 12.0 | 13.0 |
| SW | .7 | .7 | .5 | 1.7 | .2 | .1 | | | | | | 3.4 | 11.1 |
| WSW | .4 | .4 | .3 | 1.0 | | | | | | | | 2.6 | 6.9 |
| W | .7 | .5 | 1.8 | 1.7 | | | | | | | | 4.3 | 10.7 |
| WNW | .7 | .4 | 1.7 | .8 | .3 | | | | | | | 3.4 | 6.9 |
| NW | .1 | . | 1.6 | 1.2 | .1 | | | | | | | 3.5 | 4.8 |
| NNW | .1 | 1.2 | 1.6 | 3.4 | .5 | .1 | | | | | | 7.4 | 10.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.0 | |
| | .6 | 15.6 | 31.2 | 35.7 | 6.7 | 1.6 | .9 | | | | | 100.0 | 11.3 |

TOTAL NUMBER OF OBSERVATIONS 730

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

723404 FLYTHEVILLE AFB AT 73-R2 4 NORTH
 STATION STATION NAME YEARS
 ALL WEATHER CLASS 120-1400 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 | 3.1 | 1.7 | 3.3 | 4.2 | .6 | .5 | | | | | | 1.7 | 10.7 |
| NNE | .1 | .3 | 2.2 | 1.6 | .2 | | | | | | | 1.4 | 8.6 |
| NE | .1 | .9 | .6 | .4 | | | | | | | | 1.5 | 6.5 |
| ENE | 1.2 | 1.4 | 1.3 | .6 | | | | | | | | 4.7 | 6.4 |
| E | .1 | 2.2 | 1.7 | .4 | | | | | | | | 4.1 | 6.6 |
| ESE | .4 | 1.3 | 1.1 | .6 | | | | | | | | 7.4 | 7.2 |
| SE | .1 | .1 | 1.6 | 1.6 | .4 | .4 | | | | | | 4.3 | 10.1 |
| SSE | .1 | .5 | 1.3 | 2.7 | .4 | .2 | | | | | | 1.1 | 10.9 |
| S | .1 | 1.4 | 3.6 | 6.9 | 2.5 | .6 | .6 | | | | | 18.7 | 13.3 |
| SSW | .4 | .1 | 2.5 | 5.2 | 3.1 | 1.4 | .2 | | | | | 13.7 | 14.3 |
| SW | .1 | .1 | 1.1 | 3.2 | .1 | | | | | | | 4.2 | 11.5 |
| WSW | .1 | .1 | 1.7 | 1.7 | .1 | | | | | | | 3.0 | 6.7 |
| W | .1 | .3 | 1.3 | 1.9 | .1 | | | | | | | 4.3 | 6.7 |
| WNW | .1 | 1.1 | 1.4 | 1.5 | .1 | | | | | | | 4.5 | 9.2 |
| NW | .1 | 1.2 | 1.6 | 1.4 | | | | | | | | 4.3 | 6.5 |
| NNW | .1 | 1.2 | 1.7 | 2.0 | .6 | | | | | | | 5.7 | 10.6 |
| VARBL | | | | | | | | | | | | 1.3 | |
| CALM | | | | | | | | | | | | 100.0 | 10.6 |

TOTAL NUMBER OF OBSERVATIONS 670

FEDERAL BUREAU OF SURVEY
 METEOROLOGICAL SERVICE
 AIR FORCE WEATHER SERVICE

SURFACE WINDS

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

STATION WINDYVILLE AFB STATION NAME 73-82 YEARS 1950-1966 MONTH ALL

CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700

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 | 2.4 | 4.1 | 3.7 | .2 | .7 | | | | | | 1.2 | 9.5 |
| NNE | .0 | .0 | 2.4 | 1.6 | | | | | | | | 2.5 | 6.5 |
| NE | .0 | 1.0 | .9 | .4 | | | | | | | | 2.7 | 6.6 |
| ENE | .0 | 1.0 | 1.7 | .8 | | | | | | | | 3.7 | 7.9 |
| E | .0 | 2.7 | 1.6 | .3 | | | | | | | | 2.2 | 6.1 |
| ESE | .0 | .0 | 1.1 | .2 | .1 | | | | | | | 2.3 | 7.7 |
| SE | .0 | 1.0 | 1.1 | .5 | .9 | .1 | | | | | | 4.3 | 10.3 |
| SSE | .0 | 1.0 | 2.7 | 1.7 | .3 | | | | | | | 5.2 | 9.6 |
| S | .4 | .0 | 4.7 | 7.3 | 3.5 | .2 | .1 | | | | | 17.1 | 13.1 |
| SSW | .0 | 1.3 | 3.6 | 4.5 | 1.6 | .6 | | | | | | 11.3 | 12.1 |
| SW | .0 | .0 | 2.2 | 2.0 | .4 | | | | | | | 5.6 | 12.4 |
| WSW | .0 | .5 | 1.2 | .6 | .3 | | | | | | | 3.0 | 7.3 |
| W | .0 | .0 | 1.0 | 1.8 | .4 | | | | | | | 4.5 | 12.4 |
| WNW | .0 | .4 | 1.0 | .9 | .1 | | | | | | | 4.0 | 8.8 |
| NW | .0 | .0 | 1.5 | 1.0 | .3 | | | | | | | 3.4 | 10.5 |
| NNW | .0 | .0 | 1.9 | 1.3 | .1 | | | | | | | 4.8 | 8.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 7.1 | 17.3 | 22.8 | 24.9 | 8.8 | 1.3 | .1 | | | | | 100.0 | 9.8 |

TOTAL NUMBER OF OBSERVATIONS 430

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 ALL-WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: PLYMOUTHVILLE AFB AT YEARS: 77-82 MONTH: _____
 CLASS: ALL WEATHER HOUR(S) (LST): 1200-0000
 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 | 3.1 | 1.7 | 0.0 | .5 | .2 | | | | | | 3.5 | 4.8 |
| NNE | 1.1 | 2.8 | 2.8 | 1.4 | | | | | | | | 7.5 | 7.4 |
| NE | .7 | 2.3 | 1.8 | | | | | | | | | 3.2 | 6.0 |
| ENE | 1.7 | 2.4 | .2 | | | | | | | | | 2.1 | 4.7 |
| E | .5 | 2.4 | 1.1 | .2 | | .1 | | | | | | 2.8 | 5.4 |
| ESE | 1.7 | .5 | .3 | .3 | .1 | .1 | | | | | | 3.7 | 6.5 |
| SE | 1.7 | 2.7 | .3 | 1.2 | .2 | | .1 | | | | | 6.5 | 6.7 |
| SSE | 1.7 | 2.4 | 1.2 | 1.7 | 1.7 | | .1 | | | | | 6.1 | 6.1 |
| S | 1.7 | 4.7 | 6.8 | 5.8 | 7.7 | .1 | | | | | | 21.1 | 6.6 |
| SSW | .5 | 1.5 | 1.3 | .2 | | | | | | | | 4.7 | 7.7 |
| SW | .5 | .5 | .6 | .6 | | | | | | | | 2.7 | 7.0 |
| WSW | .5 | .7 | .4 | .3 | | | | | | | | 1.5 | 6.5 |
| W | .5 | 1.2 | 1.2 | .4 | | | | | | | | 1.1 | 7.1 |
| WNW | .5 | 1.7 | .4 | 1.0 | .1 | .2 | | | | | | 2.7 | 5.5 |
| NW | .4 | .5 | 1.3 | .5 | .2 | | | | | | | 3.4 | 6.4 |
| NNW | .5 | .5 | 1.4 | .4 | .1 | .1 | | | | | | 2.7 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.2 | |
| | 1.4 | 27.4 | 23.2 | 17.5 | 4.7 | .0 | .1 | | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS: 577

FEDERAL CLIMATOLOGY BRANCH
 AF TAC
 WEATHER DIVISION

SURFACE WINDS

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

120908 DRYTHEWILL AFB AR 73-4 YEARS 72 MONTH

ALL WEATHER
 CLASS

120908
 HOURS U.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 | 1.2 | 2.2 | 2.9 | .4 | .4 | | | | | | 7.0 | 2.0 |
| NNE | 1.7 | 2.5 | 2.7 | .5 | | | | | | | | 4.8 | 3.7 |
| NE | 1.7 | 2.4 | 1.4 | .3 | | | | | | | | 4.7 | 3.0 |
| ENE | 1.7 | 1.5 | .6 | .3 | | | | | | | | 4.1 | 3.0 |
| E | 2.7 | 2.3 | 1.8 | .1 | .1 | .2 | | | | | | 3.2 | 3.2 |
| ESE | 1.1 | .6 | .7 | .7 | .3 | .1 | | | | | | 3.2 | 7.2 |
| SE | 1.1 | 2.2 | 1.2 | 1.2 | .3 | .3 | | | | | | 3.6 | 7.7 |
| SSE | .7 | 2.6 | 1.7 | .8 | .8 | | | | | | | 5.8 | 5.1 |
| S | 1.1 | .7 | 4.8 | 4.5 | 1.9 | .7 | | | | | | 17.8 | 7.3 |
| SSW | .7 | 2.8 | 1.4 | 2.7 | .4 | | | | | | | 7.1 | 5.5 |
| SW | .7 | .2 | .2 | .2 | | | | | | | | 1.3 | 1.1 |
| WSW | .7 | .2 | .3 | .2 | .1 | | | | | | | 1.0 | 7.7 |
| W | .4 | 1.1 | 1.3 | .4 | | | | | | | | 3.2 | 6.8 |
| WNW | .7 | 1.7 | .5 | .3 | .6 | .1 | | | | | | 3.2 | 7.9 |
| NW | .7 | .5 | 1.1 | .5 | .1 | .2 | | | | | | 3.2 | 7.7 |
| NNW | .7 | .7 | 1.7 | .2 | .2 | | | | | | | 3.2 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 14.7 | 26.0 | 22.7 | 15.1 | 5.7 | 1.4 | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS 570

U.S. AIR FORCE
 CLIMATE CENTER
 WASHINGTON, D.C. 20330

SURFACE WINDS

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

STATION: PLYMOUTHVILLE AFB AF STATION NAME: PLYMOUTHVILLE AFB AF YEARS: 73-82 MONTH: ALL

CLASS: ALL WEATHER

UNIT: ALL

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 | 2.7 | 3.1 | 3.0 | .5 | .2 | . | . | . | . | . | 12.7 | 9.6 |
| NNE | . | 1.8 | 1.9 | 1.3 | .1 | . | . | . | . | . | . | 3.7 | 5.7 |
| NE | . | 1.8 | 1.1 | .4 | . | . | . | . | . | . | . | 3.3 | 5.7 |
| ENE | 1.1 | 1.8 | 1.7 | .6 | . | . | . | . | . | . | . | 4.1 | 5.1 |
| E | 1.0 | 2.4 | 1.7 | .4 | .6 | .0 | . | . | . | . | . | 5.8 | 4.6 |
| ESE | . | 1.1 | .0 | .3 | .1 | .0 | . | . | . | . | . | 1.3 | 6.7 |
| SE | .7 | 1.4 | 1.2 | 1.2 | .3 | . | . | . | . | . | . | 4.1 | 9.1 |
| SSE | . | 1.9 | 1.9 | 1.4 | .4 | .1 | . | . | . | . | . | 3.4 | 8.5 |
| S | . | 2.7 | 4.7 | 5.4 | 1.8 | .5 | .1 | . | . | . | . | 12.3 | 11.1 |
| SSW | . | 2.1 | 2.5 | 2.6 | .9 | .4 | .1 | . | . | . | . | 7.4 | 10.7 |
| SW | .7 | .7 | .9 | 1.1 | .1 | . | . | . | . | . | . | 3.2 | 9.4 |
| WSW | .4 | .4 | .7 | .5 | .1 | . | . | . | . | . | . | 2.1 | 8.7 |
| W | .7 | . | 1.4 | 1.2 | .1 | . | . | . | . | . | . | 3.7 | 9.1 |
| WNW | .4 | . | 1.3 | .8 | .2 | . | . | . | . | . | . | 3.0 | 8.8 |
| NW | .0 | . | 1.3 | .9 | .1 | .0 | . | . | . | . | . | 3.0 | 8.9 |
| NNW | .4 | 1.0 | 1.8 | 1.4 | .7 | .5 | . | . | . | . | . | 4.0 | 9.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.2 | 1.3 |
| | 10.4 | 23.1 | 27.0 | 23.4 | 5.2 | 1.6 | .3 | | | | | 100.0 | 10.3 |

TOTAL NUMBER OF OBSERVATIONS: 7439

U.S. AIR FORCE CLIMATOLOGY STATION
 AFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72344E LYTHVILLE AFB AR 73-6 ALL MONTH

ALL WEATHER
 CLASS

1000000
 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 | 2.7 | 1.0 | 2.0 | .3 | | | | | | | 7.7 | 6.2 |
| NNE | 1.0 | 1.0 | 2.1 | .3 | | | | | | | | 4.0 | 7.5 |
| NE | 1.0 | 2.0 | 1.6 | .6 | | | | | | | | .1 | 6.7 |
| ENE | 1.1 | 2.1 | .0 | .3 | | | | | | | | 7.4 | 6.4 |
| E | 1.0 | 1.1 | .7 | | | | | | | | | 5.7 | 7.4 |
| ESE | | 1.2 | .3 | .1 | | | | | | | | .0 | 6.7 |
| SE | 1.0 | 1.0 | 1.4 | .6 | | .0 | | | | | | .3 | 7.2 |
| SSE | 1.2 | 2.0 | 2.1 | 1.8 | | .1 | | | | | | 7.0 | 7.5 |
| S | 2.7 | 0.0 | 4.3 | 2.9 | .3 | .1 | | | | | | 10.3 | 7.4 |
| SSW | 1.0 | 2.0 | 2.4 | 1.8 | .2 | .1 | | | | | | 10.4 | 7.8 |
| SW | 1.0 | 1.0 | .0 | .2 | .1 | .1 | | | | | | 10.0 | 7.8 |
| WSW | 1.0 | 1.1 | .3 | .3 | | .1 | | | | | | .1 | 6.9 |
| W | 1.1 | 1.3 | .0 | .6 | .0 | | | | | | | 7.0 | 6.6 |
| WNW | 1.1 | | .3 | .6 | .0 | | | | | | | 7.0 | 6.4 |
| NW | | 1.1 | .7 | .6 | .0 | | | | | | | 6.0 | 6.3 |
| NNW | | | .0 | .0 | .0 | | | | | | | 3.1 | 6.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 16.0 | |
| | 1.1 | 25.1 | 22.1 | 13.6 | 1.6 | .8 | | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS 100

GENERAL CLIMATOLOGY BRANCH
AFM/TAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

120406 STATION 01YTHEVILLE AFB AB 73-82 YEARS 1973-1980 MONTH NORTH

ALL WEATHER
CLASS

0700-0500
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 | 1.0 | 2.1 | 1.0 | 2.1 | | | | | | | | 7.4 | 7.7 |
| NNE | 1.0 | 1.0 | 2.2 | .2 | | | | | | | | 5.1 | 6.4 |
| NE | 1.0 | 1.2 | 1.0 | .2 | | | | | | | | 4.5 | 5.9 |
| ENE | .1 | 1.4 | .8 | .1 | | | | | | | | 4.5 | 4.3 |
| E | 1.0 | 2.3 | .6 | .2 | | | | | | | | 4.3 | 5.3 |
| ESE | .7 | 1.0 | .3 | | | | | | | | | 4.0 | 4.4 |
| SE | .7 | 2.0 | 1.6 | .4 | .7 | .1 | | | | | | 5.3 | 7.4 |
| SSE | 1.7 | 1.7 | 2.0 | .7 | .1 | | | | | | | 5.1 | 6.4 |
| S | 1.7 | 3.6 | 5.1 | 4.0 | 1.0 | | | | | | | 16.3 | 9.1 |
| SSW | 1.2 | 3.1 | 2.3 | .9 | .3 | | | | | | | 7.6 | 6.5 |
| SW | .8 | 1.2 | .6 | .6 | .1 | .1 | | | | | | 3.1 | 7.5 |
| WSW | 1.3 | .7 | .7 | .2 | | .1 | | | | | | 3.1 | 5.6 |
| W | 1.1 | .3 | .3 | 1.8 | .1 | .1 | | | | | | 4.3 | 5.7 |
| WNW | .7 | 2.0 | .7 | .8 | | | | | | | | 4.0 | 6.6 |
| NW | .7 | 1.1 | .4 | .3 | | | | | | | | 3.2 | 6.2 |
| NNW | .1 | 1.7 | .6 | 1.1 | | | | | | | | 2.7 | 5.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.3 | |
| | 15.7 | 27.9 | 22.1 | 13.7 | 1.9 | .4 | | | | | | 10.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS 400

FEDERAL AVIATION ADMINISTRATION
 METEOROLOGICAL SERVICE
 WASHINGTON, D. C. 20515

SURFACE WINDS

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

STATION: 103409 SLYTHEVILLE AFB A STATION NAME: 73-82 YEARS: APR
 MONTH: 1960-1962
 CLASS: ALL WEATHER
 HOURS (LST): 0000-2359
 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 | 1.7 | 1.3 | 2.0 | .3 | .1 | | | | | | 0.2 | 9.3 |
| NNE | 1.0 | 1.1 | 1.2 | 1.3 | | | | | | | | 1.3 | 8.1 |
| NE | .4 | 1.3 | 1.9 | .6 | | | | | | | | 4.2 | 7.4 |
| ENE | .7 | 1.7 | 2.4 | .4 | .1 | | | | | | | 5.2 | 7.1 |
| E | 1.4 | 2.0 | 2.6 | .3 | .2 | | | | | | | 6.9 | 6.5 |
| ESE | .4 | 1.7 | .7 | .1 | | | | | | | | 2.9 | 5.7 |
| SE | .8 | 1.4 | 2.4 | .6 | .3 | | | | | | | 3.3 | 7.7 |
| SSE | .0 | 2.1 | 3.0 | 1.7 | .1 | | | | | | | 7.8 | 8.2 |
| S | 1.2 | 3.4 | 5.2 | 5.5 | .7 | .4 | | | | | | 16.5 | 9.8 |
| SSW | .4 | 1.4 | 2.7 | 1.6 | .4 | | | | | | | 8.6 | 9.0 |
| SW | .2 | .9 | 1.0 | .4 | | | | | | | | 2.0 | 7.3 |
| WSW | .7 | 1.5 | .9 | .3 | .2 | | | | | | | 2.2 | 6.9 |
| W | .3 | 1.1 | 2.0 | 2.2 | .1 | | | | | | | 5.5 | 9.9 |
| WNW | .7 | 1.2 | 1.8 | .8 | .1 | | | | | | | 4.0 | 8.0 |
| NW | .4 | .7 | .9 | .6 | | | | | | | | 2.7 | 7.5 |
| NNW | .3 | .3 | .7 | 1.2 | .2 | | | | | | | 3.4 | 9.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.1 | |
| | 10.7 | 23.7 | 31.5 | 19.6 | 2.9 | .6 | | | | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS: 809

FEDERAL METEOROLOGICAL BUREAU
 METAC
 ALL WEATHER SERVICE/FAO

SURFACE WINDS

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

STATION: 27402 ELYNEVILLE AFB AT YEARS: 73-83 MONTH: APR
 CLASS: ALL WEATHER HOURS (L & T): 000-1100
 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 | 1.2 | 2.3 | 3.1 | .7 | | | | | | | .2 | 4.2 |
| NNE | .1 | .5 | 2.1 | 1.8 | .2 | | | | | | | .1 | 4.9 |
| NE | .1 | .7 | 2.7 | 1.1 | .1 | | | | | | | 4.3 | 6.6 |
| ENE | | 1.5 | 2.3 | .9 | | | | | | | | 5.3 | 7.6 |
| E | 1.1 | 1.3 | 2.9 | .6 | | | | | | | | 5.1 | 7.1 |
| ESE | .5 | 1.3 | 1.9 | .2 | | | | | | | | 7.7 | 6.5 |
| SE | .1 | .5 | 1.7 | 1.6 | .1 | | | | | | | 4.3 | 4.4 |
| SSE | .1 | 1.7 | 1.8 | 7.1 | .8 | | | | | | | 7.4 | 10.1 |
| S | .5 | 2.9 | 4.4 | 7.7 | 2.1 | .7 | | | | | | 12.7 | 11.6 |
| SSW | .5 | 1.3 | 4.3 | 4.1 | 1.7 | | | | | | | 11.0 | 10.9 |
| SW | .7 | 1.5 | 1.7 | 1.3 | .2 | | | | | | | 4.3 | 6.3 |
| WSW | .1 | .5 | 1.3 | .9 | .1 | | | | | | | 5.0 | 4.8 |
| W | .5 | 1.0 | .8 | 2.7 | .9 | .1 | | | | | | 5.7 | 12.0 |
| WNW | .5 | .5 | 1.6 | 1.1 | .1 | | | | | | | 3.6 | 7.7 |
| NW | .1 | .5 | 2.5 | 1.3 | | | | | | | | 4.1 | 6.6 |
| NNW | .5 | 1.0 | 1.6 | .9 | .4 | | | | | | | 4.4 | 6.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.3 | |
| | 5.7 | 19.0 | 34.8 | 31.3 | 1.6 | .9 | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS: 600

SIGNAL CLIMATOLOGY BRANCH
 AFSTAC
 ALL WEATHER STATION

SURFACE WINDS

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

12 891 STATION ALL THEVILLE AFB 73-81 YEARS MONTH APR 1968-1968 HOURS 11 8 11
 CLASS ALL WEATHER
 CONDITION

| SPEED KNTS/ DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------------|
| N | 1.1 | 1.2 | 1.1 | 2.6 | .3 | .1 | | | | | | 2.1 | 9.5 |
| NNE | .4 | 1.0 | 3.3 | 1.7 | .4 | .2 | | | | | | 4.8 | 9.1 |
| NE | .4 | 1.2 | 2.3 | 1.7 | | | | | | | | 4.4 | 8.0 |
| ENE | .4 | 1.1 | 2.2 | .6 | | | | | | | | 4.2 | 7.7 |
| E | .1 | 1.7 | 1.6 | .4 | | | | | | | | 3.8 | 7.4 |
| ESE | .7 | 1.2 | .7 | .3 | | | | | | | | 1.1 | 6.2 |
| SE | .2 | 1.7 | 1.3 | 1.2 | .2 | | | | | | | 4.7 | 6.8 |
| SSE | .4 | .4 | 2.3 | 3.3 | .6 | | | | | | | 7.9 | 11.1 |
| S | .4 | 1.7 | 4.3 | 5.1 | 1.2 | 1.3 | .1 | | | | | 17.8 | 12.5 |
| SSW | .4 | 1.4 | 3.3 | 5.2 | .7 | .1 | | | | | | 11.1 | 11.1 |
| SW | .4 | .2 | 2.3 | 2.7 | .4 | .2 | | | | | | 4.1 | 10.6 |
| WSW | .4 | .4 | 1.3 | 1.3 | .3 | | | | | | | 4.1 | 5.8 |
| W | .1 | 1.3 | 1.3 | 2.6 | .7 | | | | | | | 4.7 | 11.2 |
| WNW | .1 | .4 | 1.9 | 1.4 | | | | | | | | 4.2 | 9.3 |
| NW | .4 | .4 | .6 | .6 | | | | | | | | 2.7 | 9.1 |
| NNW | .4 | .4 | 1.1 | 1.2 | .2 | | | | | | | 3.1 | 9.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.4 | |
| | .6 | 1.1 | 2.6 | 33.2 | 6.7 | 2.7 | .1 | | | | | 12.0 | 10.2 |

TOTAL NUMBER OF OBSERVATIONS 400

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/440

SURFACE WINDS

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

STATION WALTHAMVILLE AFB AT YEARS 73-80 MONTH APR
 CLASS ALL WEATHER HOURS (LST) 1500-1700
 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 | 1.7 | 1.8 | 1.5 | .7 | | | | | | | 5.7 | 1.2 |
| NNE | .7 | 2.5 | 2.3 | 2.2 | .6 | | .1 | | | | | 7.2 | 2.7 |
| NE | .1 | 1.1 | 3.1 | 1.3 | .1 | .2 | | | | | | 6.6 | 4.1 |
| ENE | .1 | 2.2 | 1.1 | .6 | | | | | | | | 4.4 | 5.5 |
| E | .1 | 1.6 | 1.7 | .7 | | | | | | | | 4.3 | 6.6 |
| ESE | .1 | 1.6 | .7 | .4 | | | | | | | | 2.1 | 6.7 |
| SE | .1 | .4 | 2.7 | .9 | .7 | | | | | | | 4.7 | 1.7 |
| SSE | .7 | .9 | 3.7 | 4.1 | .4 | | | | | | | 6.2 | 1.6 |
| S | .7 | 1.4 | 4.4 | 6.1 | 2.5 | .5 | | | | | | 11.3 | 12.4 |
| SSW | .7 | .1 | 4.4 | 5.9 | .5 | | | | | | | 11.1 | 1.5 |
| SW | .7 | .1 | 1.7 | 1.6 | .1 | | | | | | | 4.4 | 7.8 |
| WSW | .7 | .1 | .8 | .8 | .2 | | | | | | | 2.6 | 10.6 |
| W | .1 | 1.1 | 2.1 | 2.3 | .4 | | | | | | | 6.3 | 1.4 |
| WNW | .1 | .7 | 1.6 | 1.7 | .5 | .1 | | | | | | 4.7 | 1.4 |
| NW | .1 | .5 | .7 | .7 | .1 | .1 | | | | | | 2.2 | 1.6 |
| NNW | .1 | .1 | 1.1 | .7 | .1 | | | | | | | 2.2 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 5.0 | 17.2 | 33.4 | 32.7 | 6.9 | 1.0 | .1 | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS 470

CENTRAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

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

123456 DLYTHEVILLE AFB AB 77-82 MONTH

STATION STATION NAME YEARS MONTH

ALL WEATHER CLASS 1910-1990

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 | 2.0 | 2.7 | 1.2 | .4 | | | | | | | 7.2 | 6.2 |
| NNE | .0 | 3.1 | 1.7 | 1.1 | .1 | | | | | | | 6.7 | 7.5 |
| NE | 1.0 | 3.3 | 2.6 | .3 | | .1 | | | | | | 2.3 | 5.1 |
| ENE | 1.1 | 1.0 | .7 | .2 | | | | | | | | 3.1 | 5.7 |
| E | 1.0 | 1.4 | .7 | | .1 | | | | | | | 3.0 | 5.0 |
| ESE | .7 | 1.4 | .7 | .4 | | .1 | | | | | | 1.6 | 6.7 |
| SE | .8 | 2.7 | 2.9 | .9 | .7 | | | | | | | 7.2 | 7.0 |
| SSE | .0 | 3.2 | 2.4 | 1.9 | .7 | .1 | | | | | | 4.8 | 6.2 |
| S | 1.7 | 4.2 | 4.6 | 4.0 | .8 | | | | | | | 16.2 | 6.7 |
| SSW | 1.7 | 3.2 | 4.3 | 1.7 | | | | | | | | 10.2 | 6.6 |
| SW | .7 | 1.6 | .4 | .7 | | | | | | | | 2.3 | 6.4 |
| WSW | .0 | .9 | .4 | .1 | .3 | | | | | | | 2.0 | 3.0 |
| W | .0 | .9 | 1.0 | .6 | | | | | | | | 3.2 | 6.7 |
| WNW | .4 | .0 | 1.0 | .9 | .1 | .1 | | | | | | 3.4 | 6.9 |
| NW | .1 | .0 | .3 | .6 | | .1 | | | | | | 1.7 | 9.9 |
| NNW | .0 | .0 | 1.2 | .6 | | | | | | | | 2.8 | 8.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.7 | |
| | 13.0 | 32.3 | 27.9 | 14.4 | 2.3 | .6 | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 200

FEDERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION: 023409 STATION NAME: ELYTHEVILLE AFB A- YEARS: 73-94 MONTH: APR
 CLASS: ALL WEATHER HOURS (LST): 0100-2300
 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 | 2.7 | .9 | 1.1 | .3 | | | | | | | 3.1 | 6.5 |
| NNE | 1.7 | 3.3 | 1.8 | .9 | .1 | | | | | | | 3.1 | 6.5 |
| NE | 1.7 | 3.1 | 1.2 | .8 | | | | | | | | 4.7 | 5.7 |
| ENE | 1.4 | 1.7 | .8 | .1 | | | | | | | | 4.1 | 4.8 |
| E | 1.2 | .7 | .7 | | | | | | | | | 1.7 | 4.5 |
| ESE | .7 | .9 | .3 | .2 | | | | | | | | 1.3 | 5.3 |
| SE | .7 | 3.9 | 3.1 | 1.2 | | | | | | | | 7.9 | 7.5 |
| SSE | .7 | 4.6 | 3.3 | .7 | .1 | | | | | | | 9.6 | 6.5 |
| S | 1.8 | 5.3 | 5.4 | 3.7 | .2 | | .1 | | | | | 16.6 | 7.6 |
| SSW | 1.2 | 3.7 | 1.7 | 1.1 | .1 | | .1 | | | | | 7.7 | 7.1 |
| SW | .7 | .6 | .8 | .1 | | | | | | | | 1.0 | 5.7 |
| WSW | .4 | .5 | .3 | .3 | | .7 | | | | | | 1.3 | 8.1 |
| W | 1.1 | 1.3 | 1.8 | .3 | .2 | | | | | | | 4.7 | 6.5 |
| WNW | .7 | .6 | .7 | .3 | .1 | | | | | | | 1.9 | 6.3 |
| NW | .7 | 1.1 | .6 | .7 | .2 | .7 | | | | | | 3.0 | 9.9 |
| NNW | .1 | .7 | .3 | .8 | .1 | | | | | | | 2.3 | 7.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.1 | |
| | 1.6 | 32.3 | 24.3 | 11.6 | 1.5 | .4 | .2 | | | | | 100.0 | 5.9 |

TOTAL NUMBER OF OBSERVATIONS: 900

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/PAC

SURFACE WINDS

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

723419 STATION WYTHEVILLE AFB AR 73-2 YEARS 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 | 1.1 | 1.5 | 1.8 | 2.7 | .4 | .2 | | | | | | 7.1 | 6.5 |
| NNE | .2 | 1.5 | 2.3 | 1.1 | .2 | .2 | .2 | | | | | 5.7 | 5.7 |
| NE | .2 | 1.9 | 2.1 | .7 | .2 | .2 | | | | | | 5.7 | 7.1 |
| ENE | 1.0 | 1.7 | 1.4 | .4 | .2 | .2 | | | | | | 4.0 | 6.1 |
| E | 1.0 | 1.5 | 1.4 | .3 | .6 | | | | | | | 4.0 | 6.1 |
| ESE | .2 | 1.3 | .7 | .2 | | .2 | | | | | | 4.0 | 6.1 |
| SE | .2 | 1.3 | 2.2 | .9 | .2 | .2 | | | | | | 4.0 | 6.1 |
| SSE | .2 | 2.2 | 2.5 | 2.2 | .3 | .2 | | | | | | .1 | 6.1 |
| S | 1.2 | 3.5 | 4.9 | 3.3 | 1.2 | .4 | .2 | | | | | 18.0 | 12.2 |
| SSW | .2 | 2.1 | 3.2 | 2.5 | .4 | .2 | .2 | | | | | 7.0 | 7.7 |
| SW | .4 | 1.2 | 1.2 | .8 | .1 | .1 | | | | | | 3.0 | 6.5 |
| WSW | .2 | .9 | .8 | .5 | .2 | .1 | | | | | | 2.7 | 6.1 |
| W | .7 | 1.1 | 1.2 | 1.6 | .3 | .2 | | | | | | 4.0 | 7.4 |
| WNW | .4 | 1.2 | 1.2 | .9 | .1 | .2 | | | | | | 3.0 | 6.6 |
| NW | .2 | .2 | .8 | .7 | .1 | .1 | | | | | | 2.7 | 6.6 |
| NNW | .3 | .7 | 1.2 | .9 | .2 | | | | | | | 3.1 | 7.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.3 | |
| | 11.2 | 25.1 | 28.6 | 21.3 | 3.7 | .9 | .1 | | | | | 100.0 | 7.7 |

TOTAL NUMBER OF OBSERVATIONS 7199

CENTRAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 123408 LYTHEVILL AFB A7 STATION NAME 73-82 YEARS MAY MONTH
 CLASS ALL WEATHER 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 | 0.0 | 3.6 | 3.1 | .9 | | | | | | | | 10.3 | 5.9 |
| NNE | 1.0 | 1.9 | 1.4 | .3 | | | | | | | | 1.1 | 5.3 |
| NE | 1.0 | 1.3 | 1.0 | | | | | | | | | 4.5 | 4.7 |
| ENE | 0.0 | 1.3 | 1.5 | .2 | | | | | | | | 4.7 | 4.4 |
| E | 0.0 | 1.5 | .6 | | | | | | | | | 1.3 | 3.9 |
| ESE | 1.1 | .5 | .6 | | | | | | | | | 2.4 | 4.7 |
| SE | 1.4 | 1.7 | 1.3 | .1 | .1 | .1 | | | | | | 4.7 | 5.6 |
| SSE | 0.0 | 4.7 | 1.5 | .3 | | | | | | | | 7.6 | 4.9 |
| S | 0.0 | 4.5 | 4.3 | 1.5 | .2 | | | | | | | 10.1 | 6.6 |
| SSW | 0.2 | 1.7 | 1.9 | .9 | | | .1 | | | | | 6.3 | 6.3 |
| SW | 1.1 | 1.2 | 1.0 | | | | | | | | | 3.2 | 5.1 |
| WSW | .0 | .2 | .6 | | | .1 | | | | | | 1.0 | 6.4 |
| W | .0 | 1.1 | .3 | | | | | | | | | 1.9 | 4.7 |
| WNW | .0 | .5 | .2 | | | | | | | | | 1.1 | 4.6 |
| NW | .0 | .3 | .4 | | | | | | | | | 1.1 | 5.7 |
| NNW | .0 | .6 | 1.0 | .3 | .1 | | | | | | | 2.7 | 7.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 27.5 | |
| | 23.4 | 27.6 | 20.3 | 4.4 | .4 | .2 | .1 | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS 229

U.S. AIR FORCE
 AIR FORCE CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/AFAL

SURFACE WINDS

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

1944 E LYTHEVILL AFB AR 73-92 MAY
 STATION NAME YEARS MONTH
 ALL WEATHER CLASS 0100-2000 HOURS (LST)
 CONDITION

| SPEED (KNTS) DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|---------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 1.2 | 4.2 | 5.1 | 1.2 | | | | | | | | 1.0 | 6.3 |
| NNE | 1.7 | 2.2 | 1.6 | .3 | | | | | | | | 0.8 | 3.8 |
| NE | 1.7 | 1.4 | .5 | .2 | | | | | | | | 4.1 | 4.3 |
| ENE | 1.7 | 1.3 | .4 | .1 | | | | | | | | 1.1 | 4.1 |
| E | 1.8 | 1.7 | .6 | | | | | | | | | 3.2 | 4.2 |
| ESE | 1.2 | 1.1 | .1 | | .1 | | | | | | | 0.1 | 4.2 |
| SE | .5 | 2.7 | 1.2 | .2 | .1 | | | | | | | 1.1 | 5.7 |
| SSE | 1.5 | 3.7 | 1.6 | .2 | | | | | | | | 7.1 | 6.3 |
| S | 2.0 | 4.5 | 4.7 | 1.7 | .2 | | | | | | | 11.2 | 6.7 |
| SSW | 1.2 | 3.1 | 3.3 | 1.7 | .1 | | | | | | | 6.7 | 5.9 |
| SW | .1 | .1 | .5 | .2 | | | | | | | | 1.2 | 5.6 |
| WSW | 1.3 | .1 | .5 | .2 | | | | | | | | 0.9 | 4.9 |
| W | .3 | .5 | .5 | .1 | | | | | | | | 1.5 | 5.1 |
| WNW | .1 | .5 | .2 | .1 | | | | | | | | 1.1 | 5.5 |
| NW | .1 | 1.1 | .3 | | | | | | | | | 2.0 | 4.3 |
| NNW | .4 | 1.3 | .5 | | | | | | | | | 2.0 | 4.9 |
| VARBL | | | | | | | | | | | | 0.3 | |
| CALM | | | | | | | | | | | | 20.0 | |
| | 17.9 | 29.7 | 19.8 | 5.2 | .5 | | | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS 571

FEDERAL CLIMATOLOGY BRANCH
 METAC
 WEATHER SERVICE/AC

SURFACE WINDS

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

STATION: WILLYTHEVILLE AFB A- STATION NAME: WILLYTHEVILLE AFB A- YEARS: 73-81 MONTH: MAY
 CLASS: ALL WEATHER HOURS (L E T): 0000-0000
 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 | 0.0 | 3.1 | 3.3 | 2.7 | | | | | | | | 12.4 | 7.2 |
| NNE | 1.0 | 0.0 | 2.4 | 1.1 | | | | | | | | 7.0 | 6.7 |
| NE | .4 | 1.0 | 1.1 | .3 | | | | | | | | 2.1 | 6.3 |
| ENE | 1.0 | 1.4 | 1.7 | .3 | | | | | | | | 1.7 | 5.5 |
| E | 1.5 | 2.5 | 1.4 | .1 | | | | | | | | 1.2 | 5.4 |
| ESE | 1.0 | 1.5 | 1.0 | .1 | .1 | .3 | | | | | | 4.7 | 6.3 |
| SE | 1.1 | 1.7 | 1.3 | .1 | .1 | | | | | | | 4.0 | 5.6 |
| SSE | 1.0 | 2.0 | 2.6 | .4 | | | | | | | | 7.3 | 6.3 |
| S | 1.3 | 4.4 | 5.8 | 3.4 | .4 | | | | | | | 13.4 | 8.4 |
| SSW | .7 | 1.0 | 3.9 | 2.6 | .3 | | | | | | | 9.4 | 7.0 |
| SW | .7 | 1.2 | 1.0 | .2 | .1 | | | | | | | 2.4 | 7.0 |
| WSW | .1 | 1.1 | .0 | .1 | .1 | | | | | | | 2.2 | 6.9 |
| W | .0 | 1.1 | .9 | .0 | .1 | | | | | | | 3.7 | 7.2 |
| WNW | .2 | .1 | .2 | .1 | | | | | | | | .1 | 6.6 |
| NW | .0 | .4 | 1.0 | .2 | | | | | | | | 1.3 | 7.7 |
| NNW | .1 | .5 | 1.4 | .1 | | | | | | | | 2.3 | 6.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.0 | |
| | 1.1 | 26.0 | 29.5 | 12.1 | 1.3 | .3 | | | | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS: 22

U.S. AIR FORCE
 AIR FORCE WEATHER SERVICE/AFAC

SURFACE WINDS

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

STATION PLYMOUTHVILLE AFB A- YEARS 73-84 MONTH MAY
 CLASS ALL WEATHER HOURS 00-1100
 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 | 1.4 | 2.1 | 2.2 | .1 | | | | | | | 1.8 | 2.2 |
| NNE | 1.0 | 2.0 | 2.0 | 1.4 | | | | | | | | 1.8 | 2.3 |
| NE | .0 | 2.4 | 1.3 | 1.2 | .2 | | | | | | | 2.3 | 2.7 |
| ENE | 1.0 | 2.4 | 2.0 | 1.0 | | | | | | | | 2.3 | 2.7 |
| E | .0 | 2.3 | 1.6 | .4 | | | | | | | | 1.3 | 2.2 |
| ESE | 1.0 | .0 | 1.4 | | | | | | | | | 1.2 | 2.5 |
| SE | .0 | 1.0 | 2.2 | .4 | .1 | | | | | | | 1.3 | 2.6 |
| SSE | 1.2 | 2.7 | 4.1 | 1.2 | .1 | | | | | | | 1.0 | 2.8 |
| S | .0 | 2.3 | 3.3 | 4.3 | .4 | | | | | | | 11.0 | 3.6 |
| SSW | .0 | 1.3 | 3.2 | 4.3 | 1.8 | | | | | | | 11.1 | 3.1 |
| SW | .0 | 1.1 | 1.9 | 2.6 | .3 | | | | | | | 1.7 | 2.4 |
| WSW | .4 | 1.0 | 1.5 | .9 | .1 | | | | | | | 3.0 | 2.3 |
| W | .0 | 1.0 | 1.1 | .6 | .2 | | | | | | | 4.3 | 2.3 |
| WNW | .0 | .4 | .6 | .5 | .1 | | | | | | | 2.0 | 2.2 |
| NW | .7 | .0 | 1.1 | .2 | | | | | | | | 1.0 | 2.2 |
| NNW | .0 | 1.1 | 1.6 | .8 | | | | | | | | 4.1 | 2.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.7 | |
| | 12.3 | 25.3 | 31.9 | 22.5 | 3.2 | | | | | | | 100.0 | 2.5 |

TOTAL NUMBER OF OBSERVATIONS 271

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 123456 STATION NAME: LYNTHEVILLE AFB A YEARS: 73-82 MONTH: ANY
 CLASS: ALL WEATHER HOURS (LST): 1000-1400
 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 | 1.8 | 2.4 | 2.6 | .5 | | | | | | | 7.6 | 4.1 |
| NNE | 1.0 | 1.8 | 2.7 | 1.7 | .1 | | | | | | | 6.7 | 7.0 |
| NE | .5 | .5 | 2.1 | 1.1 | | | | | | | | 4.0 | 8.4 |
| ENE | 1.2 | 1.1 | 1.9 | .4 | | | | | | | | 1.2 | 8.3 |
| E | 1.4 | 1.5 | 1.5 | | | | | | | | | 3.9 | 8.3 |
| ESE | .7 | 1.7 | 1.2 | .5 | | | | | | | | 1.1 | 8.9 |
| SE | .5 | 1.3 | 1.6 | .4 | | | | | | | | 4.0 | 7.5 |
| SSE | .4 | 2.7 | 2.8 | 2.6 | .5 | | | | | | | 7.5 | 7.1 |
| S | 1.7 | 2.4 | 5.3 | 5.8 | 1.5 | .1 | | | | | | 10.0 | 10.1 |
| SSW | .5 | 1.7 | 2.4 | 3.4 | 1.7 | | | | | | | 10.0 | 10.7 |
| SW | .5 | 1.1 | 2.4 | 2.6 | .7 | | | | | | | 5.6 | 10.2 |
| WSW | .5 | .5 | 3.1 | 1.8 | .1 | | | | | | | 5.3 | 8.8 |
| W | .5 | .5 | .6 | 1.1 | .2 | | | | | | | 3.4 | 8.5 |
| WNW | .4 | .5 | 1.3 | .5 | | | | | | | | 1.7 | 8.2 |
| NW | .5 | .6 | 1.1 | .4 | | | | | | | | 3.0 | 7.8 |
| NNW | .5 | .3 | 1.9 | .5 | .1 | | | | | | | 7.9 | 7.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 11.7 | 20.1 | 35.4 | 25.5 | 4.0 | .1 | | | | | | 100.0 | 8.5 |

TOTAL NUMBER OF OBSERVATIONS: 371

SURFACE WINDS

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

STATION _____ STATION NAME _____ YEARS _____
 CLASS _____
 CONDITION _____

| SPEED (KNTS D/R | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | MEAN WIND SPEED |
|-----------------------|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|-----------------------|
| N | . | 1. | 4. | 2.4 | . | . | . | . | . | . | . | . |
| NNE | . | 2. | 3. | 1.7 | . | . | . | . | . | . | . | . |
| NE | 1.1 | 1.3 | 2.7 | 1.1 | . | . | . | . | . | . | . | . |
| ENE | . | 1.2 | 1.3 | . | . | . | . | . | . | . | . | . |
| E | .1 | 1. | 1.7 | .4 | . | . | . | . | . | . | . | . |
| ESE | . | 1.4 | . | . | . | . | . | . | . | . | . | . |
| SE | . | 1.7 | 1.7 | . | . | . | . | . | . | . | . | . |
| SSE | . | 1.7 | 3. | 2.7 | .1 | . | . | . | . | . | . | . |
| S | . | 1.7 | 4.6 | 1.5 | 1.1 | . | . | . | . | . | . | . |
| SSW | .2 | 1.3 | .8 | 2.5 | 1.7 | . | . | . | . | . | . | . |
| SW | .1 | . | 1.4 | 2.5 | .7 | . | . | . | . | . | . | . |
| WSW | .1 | . | 1.5 | 1.7 | .1 | . | . | . | . | . | . | . |
| W | . | 1. | 2.6 | .3 | . | . | . | . | . | . | . | . |
| WNW | . | . | 1.1 | .4 | . | . | . | . | . | . | . | . |
| NW | . | 1.3 | .7 | . | .1 | . | . | . | . | . | . | . |
| NNW | . | 1.2 | . | .4 | .1 | . | . | . | . | . | . | . |
| VARBL | . | . | . | . | . | . | . | . | . | . | . | . |
| CALM | . | . | . | . | . | . | . | . | . | . | . | . |

TOTAL NUMBER OF OBSERVATIONS _____

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

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

STATION 003408 PLYMOUTH AFB AB YEARS 73-92 MONTH MAY
 CLASS ALL WEATHER HOURS (LST) 1800-2000
 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 | 2.2 | 1.6 | 1.2 | | | | | | | | 5.7 | 7.3 |
| NNE | 1.7 | 2.7 | 3.5 | .8 | | | | | | | | 7.4 | 6.5 |
| NE | 2.5 | 3.0 | 2.4 | .3 | | | | | | | | 6.7 | 5.2 |
| ENE | 1.7 | 1.5 | 1.8 | | | | | | | | | 4.5 | 4.7 |
| E | 1.8 | 2.5 | 1.1 | .1 | | | | | | | | 5.6 | 4.8 |
| ESE | 1.8 | 2.7 | .6 | .1 | | | | | | | | 4.7 | 4.7 |
| SE | 1.8 | 3.7 | 1.4 | .5 | .1 | | | | | | | 7.5 | 5.5 |
| SSE | 1.8 | 5.1 | 2.5 | 1.1 | | | | | | | | 9.5 | 6.1 |
| S | 1.7 | 4.4 | 4.3 | 2.5 | .5 | .2 | | | | | | 13.2 | 6.2 |
| SSW | 1.8 | 3.3 | 1.5 | .6 | .8 | | | | | | | 7.5 | 7.2 |
| SW | 1.2 | 1.7 | 1.5 | .3 | .1 | | | | | | | 4.7 | 6.4 |
| WSW | .7 | .8 | .3 | .3 | .2 | | | | | | | 2.4 | 7.5 |
| W | .3 | 1.4 | .4 | .5 | .1 | | | | | | | 2.5 | 6.1 |
| WNW | .4 | .7 | 1.7 | .4 | | | | | | | | 2.7 | 6.7 |
| NW | .7 | .5 | .3 | .4 | | | | | | | | 1.7 | 6.4 |
| NNW | .4 | .5 | 1.2 | .5 | | | | | | | | 2.3 | 7.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.3 | |
| | 1.1 | 36.1 | 23.1 | 7.6 | 1.6 | .2 | | | | | | 100.0 | 5.3 |

TOTAL NUMBER OF OBSERVATIONS 929

U.S. AIR FORCE
 FEDERAL BUREAU OF SURVEILLANCE
 METEOROLOGICAL SERVICE

SURFACE WINDS

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

703405 STATION 01470000 WYTHSVILLE AFB AF 73-82 73-82 MAY MONTH

ALL WEATHER CLASS

100-2000 HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 1.4 | 1.6 | 2.3 | 1.9 | .2 | | | | | | | 2.3 | 2.2 |
| NNE | 1.7 | 2.7 | 1.6 | .6 | .2 | | | | | | | 3.9 | 3.2 |
| NE | 2.1 | 2.4 | 1.3 | .3 | | | | | | | | 3.5 | 4.6 |
| ENE | 1.1 | 1.3 | .4 | | | | | | | | | 3.7 | 4.1 |
| E | 1.3 | 1.5 | .2 | .2 | | | | | | | | 4.2 | 3.8 |
| ESE | 1.1 | 2.2 | .4 | .2 | .1 | | | | | | | 4.4 | 4.0 |
| SE | 1.7 | 2.2 | 1.3 | .4 | .1 | | | | | | | 5.7 | 5.7 |
| SSE | 1.1 | 1.3 | 3.5 | .4 | | | | | | | | 11.7 | 3.3 |
| S | 1.0 | 3.2 | 3.1 | 1.9 | .2 | | | | | | | 12.4 | 6.7 |
| SSW | 1.7 | 2.4 | 1.2 | .3 | .1 | | | | | | | 5.7 | 5.6 |
| SW | .1 | 1.4 | .2 | .1 | | | | | | | | 2.4 | 4.6 |
| WSW | .9 | 1.2 | .4 | .1 | | | | | | | | 3.5 | 5.1 |
| W | .1 | .4 | .4 | .1 | | | | | | | | 1.5 | 5.4 |
| WNW | .1 | .3 | .2 | .2 | .1 | | | | | | | 1.1 | 5.3 |
| NW | .4 | 1.1 | .5 | .3 | | | | | | | | 3.4 | 6.5 |
| NNW | .1 | 1.3 | .6 | .1 | .2 | | | | | | | 3.0 | 7.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.3 | |
| | 22.7 | 33.1 | 17.2 | 7.4 | 1.3 | | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 970

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

123456 STATION OLYTHEVILLE AFB AF STATION NAME 77-8 YEARS 1954-55 DAY MONTH ALL
 CLASS ALL HOURS (L & 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 | 2.4 | 2.7 | 1.6 | .1 | | | | | | | 1.4 | 7.6 |
| NNE | 1.0 | 2.2 | 2.1 | 1.7 | .3 | | | | | | | 2.5 | 6.7 |
| NE | 1.0 | 1.0 | 1.5 | .6 | .0 | | | | | | | 3.6 | 6.0 |
| ENE | 1.4 | 1.7 | 1.2 | .3 | | | | | | | | 4.7 | 5.5 |
| E | 1.0 | 1.7 | 1.1 | .2 | | | | | | | | 4.5 | 5.0 |
| ESE | 1.1 | 1.5 | .8 | .1 | .0 | .1 | | | | | | 3.0 | 5.5 |
| SE | 1.2 | 2.1 | 1.5 | .4 | .1 | .0 | | | | | | 5.3 | 6.1 |
| SSE | 1.0 | 3.5 | 2.6 | 1.2 | .1 | | | | | | | 7.9 | 6.6 |
| S | 1.0 | 3.7 | 4.4 | 3.3 | .5 | .1 | | | | | | 13.6 | 6.5 |
| SSW | 1.2 | 2.1 | 2.6 | 2.0 | .7 | | .0 | | | | | 8.6 | 6.8 |
| SW | .0 | 1.1 | 1.5 | 1.1 | .0 | | | | | | | 4.6 | 6.3 |
| WSW | .0 | .0 | 1.1 | .6 | .1 | .0 | | | | | | 3.2 | 7.5 |
| W | .6 | 1.0 | .8 | .5 | .1 | | | | | | | 3.0 | 7.1 |
| WNW | .4 | .5 | .6 | .3 | .0 | | | | | | | 1.9 | 7.0 |
| NW | .0 | .7 | .8 | .2 | .0 | | | | | | | 2.2 | 6.6 |
| NNW | .0 | .0 | 1.1 | .3 | .1 | | | | | | | 2.9 | 7.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.8 | |
| | 16.9 | 28.7 | 46.3 | 10.8 | 2.0 | .2 | .0 | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS 7437

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAJ

SURFACE WINDS

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

703408 STATION 01YTHEVILLE AFB A? 77-82 YEAR MONTH

ALL WEATHER CLASS

000-0000 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 | 3.1 | 1.4 | .7 | .1 | | | | | | | 2.1 | 1.5 |
| NNE | 1.0 | 1.7 | .6 | .2 | | | | | | | | 2.2 | 2.4 |
| NE | 0.1 | 1.4 | .2 | | | | | | | | | 3.0 | 3.4 |
| ENE | 1.0 | .7 | | | | | | | | | | 2.6 | 2.8 |
| E | 1.2 | 1.3 | .2 | | | | | | | | | 2.2 | 3.8 |
| ESE | .7 | .4 | .1 | | | | | | | | | 1.2 | 3.6 |
| SE | 1.7 | 1.5 | .4 | | .2 | | | | | | | 3.9 | 4.7 |
| SSE | 2.1 | 3.5 | 1.9 | .7 | | | | | | | | 1.9 | 5.4 |
| S | 4.4 | 2.2 | 3.6 | 1.1 | | | | | | | | 17.3 | 5.3 |
| SSW | 1.9 | 4.7 | 2.5 | .7 | | | | | | | | 9.8 | 6.0 |
| SW | 1.7 | 1.7 | .8 | .1 | .1 | | | | | | | 3.9 | 5.3 |
| WSW | .9 | .8 | .4 | .1 | | | | | | | | 2.2 | 4.8 |
| W | 1.7 | .4 | .2 | .1 | | | | | | | | 2.4 | 3.5 |
| WNW | .7 | .3 | .2 | | | | | | | | | 1.2 | 4.2 |
| NW | .6 | .9 | .1 | | | | | | | | | 1.8 | 4.6 |
| NNW | .7 | .4 | .6 | .2 | | | | | | | | 3.0 | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.6 | |
| | 25.0 | 37.6 | 15.7 | 3.9 | .4 | | | | | | | 10.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 900

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 223408 STATION NAME: BLYTHEVILLE AFB AB YEARS: 73-82 MONTH: JUL
 CLASS: ALL WEATHER HOURS (LST): 2300-2500
 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 | 3.1 | 1.9 | .4 | .1 | | | | | | | 2.4 | 4.9 |
| NNE | 1.4 | .7 | .4 | .3 | .1 | | | | | | | 3.0 | 5.1 |
| NE | 1.2 | 1.2 | .1 | | | | | | | | | 2.6 | 3.7 |
| ENE | 1.2 | .6 | .1 | | | | | | | | | 2.4 | 3.0 |
| E | .1 | .6 | .3 | | | | | | | | | 3.0 | 3.3 |
| ESE | .2 | .7 | .3 | | | | | | | | | 1.2 | 4.7 |
| SE | 1.2 | 1.7 | .3 | .1 | | | | | | | | 2.7 | 4.5 |
| SSE | 2.5 | 2.7 | 1.0 | .4 | .1 | | | | | | | 5.5 | 5.1 |
| S | 4.1 | 8.6 | 5.0 | 1.2 | | | | | | | | 19.4 | 5.6 |
| SSW | 2.6 | 4.5 | 3.6 | .3 | | | | | | | | 10.9 | 5.5 |
| SW | .6 | 1.4 | .7 | .1 | | .1 | | | | | | 2.9 | 5.2 |
| WSW | 1.9 | .4 | .1 | | | | | | | | | 2.4 | 2.9 |
| W | .5 | .6 | .2 | .1 | | | | | | | | 1.7 | 4.4 |
| WNW | .2 | .7 | .1 | | | | | | | | | .9 | 3.8 |
| NW | .7 | .7 | .2 | | | | | | | | | 1.6 | 4.1 |
| NNW | .5 | 1.1 | .8 | | | | | | | | | 2.7 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 26.6 | |
| | 29.7 | 27.6 | 15.3 | 3.1 | .3 | .1 | | | | | | 100.0 | 3.6 |

TOTAL NUMBER OF OBSERVATIONS 898

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

123456 STATION PLYTHEVILLE AFB AR 73-82 YEARS MONTH JUL

ALL WEATHER
CLASS

2600-2600
HOURS (LST)

CONDITION

| SPEED (KNT.) 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 | 3.0 | 3.6 | 1.0 | | | | | | | | 2.6 | 4.7 |
| NNE | 1.2 | 1.0 | 1.6 | | | | | | | | | 4.0 | 5.5 |
| NE | 1.0 | .9 | .7 | .1 | | | | | | | | 2.5 | 4.9 |
| ENE | 1.3 | 1.7 | 1.0 | .1 | | | | | | | | 4.1 | 5.0 |
| E | 2.1 | 1.3 | 1.1 | | | | | | | | | 5.0 | 4.4 |
| ESE | .9 | .4 | .3 | | | | | | | | | 1.7 | 4.2 |
| SE | 1.1 | 2.0 | 1.2 | .2 | | | | | | | | 4.5 | 5.5 |
| SSE | 1.8 | 2.1 | 1.1 | .6 | | | | | | | | 5.6 | 5.4 |
| S | 1.6 | 6.1 | 6.2 | 1.8 | .4 | .1 | | | | | | 15.2 | 7.4 |
| SSW | 1.7 | 4.3 | 5.8 | 3.3 | .2 | .1 | | | | | | 15.4 | 8.1 |
| SW | .9 | 2.1 | 2.8 | 1.2 | .2 | | | | | | | 7.2 | 7.7 |
| WSW | .9 | .9 | .9 | .6 | | | | | | | | 3.2 | 6.5 |
| W | .4 | 1.2 | .1 | .2 | | | | | | | | 2.0 | 3.4 |
| WNW | .7 | .6 | .2 | .1 | | | | | | | | 1.0 | 4.5 |
| NW | .4 | .7 | .2 | | .1 | | | | | | | 1.4 | 5.5 |
| NNW | .4 | .7 | 1.4 | .3 | | | | | | | | 2.9 | 7.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.4 | |
| | 17.4 | 30.1 | 28.2 | 7.6 | 1.0 | .2 | | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS

520

USAF CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

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

123457 WYTHEVILLE AFB AR 77-82 JUN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

2000-1100

HOURE (L E T I)

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 | 2.3 | 2.0 | 1.3 | | | | | | | | 7.9 | 7.2 |
| NNE | .0 | 1.7 | 1.7 | 1.1 | | | | | | | | 5.3 | 7.4 |
| NE | 1.0 | .9 | 1.6 | .6 | | | | | | | | 3.9 | 6.5 |
| ENE | .0 | 1.7 | .9 | .4 | | | | | | | | 3.9 | 6.3 |
| E | .0 | 2.7 | .7 | .2 | | | | | | | | 4.3 | 5.3 |
| ESE | .0 | 1.9 | .8 | | | | | | | | | 3.4 | 5.3 |
| SE | .0 | .0 | .3 | .2 | | | | | | | | 2.0 | 5.5 |
| SSE | .7 | 1.3 | 1.8 | .8 | | | | | | | | 4.5 | 7.5 |
| S | 1.3 | 3.3 | 3.4 | 2.8 | .7 | .2 | | | | | | 11.0 | 8.6 |
| SSW | 1.2 | 2.4 | 4.2 | 5.2 | 1.2 | .2 | | | | | | 14.0 | 10.3 |
| SW | .0 | 1.0 | 4.1 | 4.3 | .3 | | | | | | | 11.6 | 9.6 |
| WSW | 1.4 | 1.4 | 2.7 | 1.6 | | | | | | | | 7.4 | 7.6 |
| W | .7 | 2.8 | 1.3 | .7 | | | | | | | | 5.4 | 6.0 |
| WNW | .7 | 1.2 | .5 | .2 | | | | | | | | 2.7 | 5.8 |
| NW | .1 | .0 | .6 | .6 | .1 | | | | | | | 1.9 | 9.1 |
| NNW | .0 | 1.1 | 2.2 | .2 | | | | | | | | 3.5 | 7.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.6 | |
| | 13.4 | 25.3 | 29.7 | 20.2 | 2.3 | .4 | | | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS 900

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7234 8 STATION PLYTHEVILLE AFB AB 77-82 YEARS July MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-------------------|------|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | .4 | 2.6 | 3.7 | 1.7 | .1 | | | | | | | 2.4 | 3.4 |
| NNE | 1.0 | 1.4 | 1.2 | .8 | .1 | | | | | | | 4.5 | 7.1 |
| NE | .7 | 1.4 | 1.2 | .2 | | | | | | | | 3.6 | 6.3 |
| ENE | 1.0 | 2.1 | 1.2 | | .1 | | | | | | | 4.0 | 5.5 |
| E | 1.1 | 1.0 | .8 | | | | | | | | | 3.6 | 4.6 |
| ESE | 1.0 | 1.2 | .8 | .1 | | | | | | | | 3.7 | 4.2 |
| SE | .9 | .7 | 1.0 | .3 | | | | | | | | 2.0 | 3.3 |
| SSE | .5 | 2.1 | 1.7 | .8 | .6 | | | | | | | 5.7 | 8.1 |
| S | 1.2 | 1.0 | 2.3 | 2.0 | 1.0 | .2 | | | | | | 9.4 | 10.1 |
| SSW | .8 | 2.1 | 3.6 | 5.3 | 1.3 | | | | | | | 13.1 | 10.9 |
| SW | .7 | 1.6 | 4.0 | 3.9 | .2 | | | | | | | 13.0 | 10.0 |
| WSW | 1.4 | 1.6 | 3.9 | 2.2 | | | | | | | | 7.3 | 7.9 |
| W | 1.4 | 1.7 | 2.3 | 1.3 | .2 | | | | | | | 7.0 | 7.6 |
| WNW | .6 | 1.1 | 1.2 | .3 | | | | | | | | 3.2 | 3.6 |
| NW | .4 | .6 | .6 | .3 | .2 | | | | | | | 2.1 | 2.8 |
| NNW | 1.1 | 1.2 | 1.4 | .8 | | | | .1 | | | | 4.7 | 7.6 |
| VARBL | | | | | | | | | | | | 3.9 | |
| CALM | | | | | | | | | | | | | |
| | 11.0 | 5.2 | 33.7 | 21.0 | 3.9 | .2 | | .1 | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7234.8 STATION ELYTHEVILLE AFB AF 77-8 YEARS MONTH

ALL WEATHER
CLASS

1800-1700
HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------|
| N | 1.1 | 1.4 | 2.7 | 2.1 | .4 | | | | | | | 7.1 | 6.7 |
| NNE | 1.1 | 2.3 | 2.3 | 1.2 | .1 | | | | | | | 7.1 | 7.3 |
| NE | .7 | 1.2 | 1.1 | .6 | | | | | | | | 3.1 | 5.0 |
| ENE | .1 | 1.8 | 1.3 | .4 | | | | | | | | 4.3 | 5.3 |
| E | 1.0 | 2.0 | .9 | .2 | | | | | | | | 4.0 | 5.1 |
| ESE | .5 | 2.0 | 1.1 | .2 | | | | | | | | 3.1 | 5.7 |
| SE | .6 | 1.3 | 1.2 | .7 | | | | | | | | 3.5 | 6.3 |
| SSE | .5 | 1.0 | 3.9 | 1.3 | .1 | | | | | | | 7.7 | 7.9 |
| S | .7 | 1.3 | 3.3 | 5.1 | .7 | .1 | | | | | | 11.3 | 10.6 |
| SSW | .1 | 2.1 | 3.1 | 4.4 | .9 | .1 | | | | | | 10.3 | 10.9 |
| SW | .0 | 1.3 | 2.9 | 3.3 | .4 | | .1 | | | | | 7.7 | 10.2 |
| WSW | 1.0 | 2.0 | 3.0 | .7 | .1 | | | | | | | 6.5 | 7.2 |
| W | 1.0 | 1.0 | 3.0 | 1.2 | | | | | | | | 6.0 | 7.5 |
| WNW | .1 | .7 | 1.0 | .6 | | | | | | | | 2.1 | 7.2 |
| NW | .1 | .0 | 1.8 | .1 | | | | | | | | 2.8 | 7.7 |
| NNW | .7 | 1.2 | 1.6 | .6 | .2 | | | | | | | 3.9 | 7.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.1 | |
| | 17.9 | 26.1 | 34.2 | 22.3 | 7.0 | .2 | .1 | | | | | 13.3 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS 900

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

720408 STATION FLYTHEVILLE AFB AP STATION NAME 73-82 YEARS 1961 MONTH 1960-1961 HOURS (LST) ALL WEATHER CLASS CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.1 | 2.6 | 2.7 | 1.3 | | | | | | | | 7.7 | 7.2 |
| NNE | 1.0 | 2.2 | 1.6 | .7 | | | | | | | | 2.4 | 6.3 |
| NE | 1.2 | 2.1 | 1.7 | | | | | | | | | 5.0 | 5.5 |
| ENE | 1.1 | 1.2 | .7 | .1 | | | | | | | | 3.4 | 4.5 |
| E | 2.6 | 1.6 | .3 | | | | | | | | | 4.4 | 5.6 |
| ESE | 1.8 | 1.7 | 1.0 | | .1 | | | | | | | 4.8 | 4.9 |
| SE | 1.6 | 2.9 | 1.1 | .4 | | | | | | | | 5.0 | 5.3 |
| SSE | 1.2 | 3.5 | 3.7 | 1.3 | | | | | | | | 4.8 | 7.1 |
| S | 1.2 | 3.5 | 4.7 | 3.4 | | | | | | | | 12.9 | 8.3 |
| SSW | 2.1 | 2.0 | 2.2 | 1.3 | .1 | | | | | | | 2.4 | 6.0 |
| SW | 1.1 | 2.1 | 3.1 | .9 | .2 | | | | | | | 7.4 | 7.4 |
| WSW | 1.2 | 1.5 | 1.0 | .2 | | | | | | | | 4.2 | 5.3 |
| W | 1.4 | 1.2 | .8 | .1 | | | | | | | | 2.5 | 4.7 |
| WNW | .6 | 1.0 | .6 | .1 | | | | | | | | 2.2 | 5.4 |
| NW | .7 | .7 | .6 | .2 | | | | | | | | 1.9 | 6.3 |
| NNW | .9 | 1.0 | .8 | .8 | | | | | | | | 3.4 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.3 | |
| | 27.0 | 32.4 | 27.0 | 11.0 | .4 | | | | | | | 100.0 | 5.8 |

TOTAL NUMBER OF OBSERVATIONS 920

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 123456 STATION NAME: PLYTHEVILLE AFB AB YEARS: 77-82 MONTH: JUL
 CLASS: ALL WEATHER HOURS (L. S. T.): 0100-2300
 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 | 2.7 | 1.0 | .7 | .1 | | | | | | | 2.2 | 2.6 |
| NNE | 1.4 | 1.3 | 1.0 | .1 | .1 | | | | | | | 4.2 | 5.4 |
| NE | 1.1 | 1.9 | .7 | .1 | | | | | | | | 4.2 | 4.6 |
| ENE | 1.1 | 1.1 | .3 | | | | | | | | | 2.2 | 3.3 |
| E | 1.9 | 1.2 | | | | | | | | | | 2.1 | 3.0 |
| ESE | 1.7 | 1.7 | .2 | | | | | | | | | 3.5 | 3.0 |
| SE | .7 | 1.4 | .2 | .7 | | | | | | | | 4.7 | 5.4 |
| SSE | 3.2 | 3.9 | 3.1 | .6 | | | | | | | | 15.2 | 15.4 |
| S | 1.4 | 7.2 | 4.8 | 1.0 | | .1 | | | | | | 18.6 | 15.9 |
| SSW | 3.7 | 3.3 | 2.8 | .4 | | | | | | | | 15.2 | 15.4 |
| SW | 1.1 | .9 | 1.2 | | | | | | | | | 2.1 | 3.7 |
| WSW | .9 | .5 | .2 | | | | | | | | | 1.0 | 4.3 |
| W | .7 | 1.4 | .1 | | | | | | | | | 1.7 | 4.6 |
| WNW | .1 | .4 | .1 | | | | | | | | | .7 | 4.5 |
| NW | .2 | .6 | .1 | | | .1 | | | | | | 1.0 | 6.6 |
| NNW | . | .1 | .6 | .3 | .1 | | | | | | | 1.3 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 72.3 | |
| | 2.4 | 29.8 | 16.8 | 7.9 | .3 | .2 | | | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS: 670

CENTRAL CLIMATOLOGY BRANCH
 AFMFLTAC
 AIR WEATHER SERVICE/AFAC

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

SURFACE WINDS

123456 STATION ELYTHEVILLE AFB AF YEARS 77-8 MONTH JUL

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 | 1.2 | 2.4 | 2.5 | 1.2 | .1 | | | | | | | 4.7 | 0.4 |
| NNE | 1.1 | 1.5 | 1.3 | .6 | .1 | | | | | | | 4.2 | 0.4 |
| NE | 1.2 | 1.5 | .9 | .2 | | | | | | | | 3.5 | 0.3 |
| ENE | 1.2 | 1.4 | .7 | .1 | .1 | | | | | | | 3.0 | 0.3 |
| E | 1.5 | 1.7 | .5 | .1 | | | | | | | | 2.7 | 0.3 |
| ESE | 1.1 | 1.4 | .6 | .0 | .0 | | | | | | | 2.1 | 0.3 |
| SE | 1.2 | 1.5 | .8 | .3 | .0 | | | | | | | 2.7 | 0.4 |
| SSE | 1.7 | 2.5 | 2.3 | .8 | .1 | | | | | | | 7.4 | 0.4 |
| S | 2.3 | 5.7 | 4.2 | 2.4 | .3 | .1 | | | | | | 14.4 | 7.4 |
| SSW | 1.7 | 3.1 | 3.6 | 2.6 | .5 | .1 | | | | | | 12.7 | 6.2 |
| SW | .1 | 1.7 | 2.4 | 1.7 | .2 | .0 | | | | | | 6.2 | 6.5 |
| WSW | 1.2 | 1.3 | 1.5 | .7 | .0 | | | | | | | 4.7 | 6.5 |
| W | 1.0 | 1.4 | 1.0 | .5 | .0 | | | | | | | 3.5 | 6.2 |
| WNW | .0 | .7 | .5 | .2 | | | | | | | | 1.0 | 6.9 |
| NW | .0 | .5 | .5 | .2 | .1 | .0 | | | | | | 1.3 | 6.7 |
| NNW | .7 | .9 | 1.2 | .4 | .1 | | | | | | | 2.2 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.6 | |
| | 17.7 | 23.8 | 44.4 | 11.9 | 1.5 | .2 | .0 | .0 | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS 7106

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

223409 STATION BLYTHEVILLE AFB AB STATION NAME 77-80 YEARS JUL MONTH

ALL WEATHER CLASS

0000-2200 HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 1.7 | 2.3 | .6 | .1 | .1 | | | | | | | 1.1 | 4.5 |
| NNE | 1.1 | 1.5 | .7 | .1 | | | | | | | | 3.5 | 4.9 |
| NE | .4 | 1.1 | .7 | | | | | | | | | 1.2 | 4.1 |
| ENE | 1.5 | 1.2 | .3 | .1 | | | | | | | | 2.1 | 3.9 |
| E | 1.7 | 1.2 | .2 | .2 | | | | | | | | 3.3 | 3.6 |
| ESE | 1.1 | .3 | | | | | | | | | | 1.2 | 2.5 |
| SE | .4 | .3 | .2 | | | | | | | | | 1.4 | 3.7 |
| SSE | 2.5 | 3.2 | .9 | .3 | | | | | | | | 7.0 | 4.6 |
| S | 3.7 | 6.3 | 3.3 | | | | | | | | | 13.4 | 4.9 |
| SSW | 1.4 | 6.6 | 1.5 | | | | | | | | | 13.7 | 4.3 |
| SW | 1.7 | 2.3 | .1 | | | | | | | | | 4.5 | 4.5 |
| WSW | 1.4 | .6 | .2 | | | | | | | | | 1.3 | 3.5 |
| W | .4 | .5 | | | | | | | | | | 1.2 | 3.3 |
| WNW | .4 | .1 | | | | | | | | | | .6 | 2.5 |
| NW | .3 | .1 | .3 | | | | | | | | | .7 | 2.3 |
| NNW | 1.5 | 1.7 | .2 | .1 | | | | | | | | 2.5 | 3.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.4 | |
| | 26.7 | 31.4 | 9.4 | 1.0 | .1 | | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 970

U.S. DEPARTMENT OF COMMERCE
 NATIONAL METEOROLOGICAL SERVICE
 WASHINGTON, D. C.

SURFACE WINDS

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

STATION: ENTHESVILLE, GA. STATION NAME: ENTHESVILLE, GA. YEARS: 1951-1952
 CLASS: CL. 1 DATA: 42.00
 COORDINATE:

| 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 | 3.9 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 1.2 |
| NNE | 1.2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.2 |
| NE | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| ENE | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| E | 1.2 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 0.0 |
| ESE | 1.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 4.1 |
| SE | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 |
| SSE | 1.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 0.0 |
| S | 1.2 | 4.1 | 1.7 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 6.1 | 4.0 |
| SSW | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 4.7 |
| SW | 0.0 | 2.4 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.5 | 0.0 |
| WSW | 1.0 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 0.0 |
| W | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 |
| WNW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NW | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| NNW | 0.0 | 1.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 4.4 |
| VARBL | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| CALM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| TOTAL | 7.1 | 12.0 | 2.7 | 1.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.1 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE - WASHINGTON, D. C.

AD-A131 197

BLYTHEVILLE AFB ARKANSAS REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER. (U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A. JUN 83

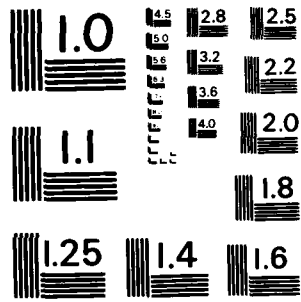
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 227402 BLYTHEVILLE AFB AR YEARS 77-82 MONTH JUL
 STATION NAME CLASS ALL WEATHER HOURS (LST) 0600-1800
 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 | 3.7 | 1.2 | .2 | | | | | | | | 7.1 | 4.9 |
| NNE | 1.2 | 2.6 | 1.4 | .2 | .1 | | | | | | | 3.6 | 5.9 |
| NE | 1.2 | 1.7 | 1.0 | .1 | | | | | | | | 4.5 | 3.2 |
| ENE | . | 1.4 | .3 | .3 | | | | | | | | 2.3 | 5.4 |
| E | 1.5 | 1.7 | .6 | .2 | | | | | | | | 4.2 | 4.6 |
| ESE | 1.7 | .6 | .4 | | | | | | | | | 2.2 | 3.7 |
| SE | 1.2 | 1.5 | .2 | | | | | | | | | 2.4 | 3.8 |
| SSE | 1.2 | 2.7 | .8 | .1 | | | | | | | | 4.3 | 5.3 |
| S | 2.7 | 5.6 | 3.5 | .4 | | | | | | | | 11.2 | 5.6 |
| SSW | 3.2 | .4 | 5.1 | .5 | | | | | | | | 17.2 | 5.6 |
| SW | 1.2 | 4.4 | 1.4 | .3 | | | | | | | | 9.3 | 3.5 |
| WSW | 1.2 | 2.3 | 1.0 | | | | | | | | | 4.4 | 4.3 |
| W | 1.2 | 1.6 | | .1 | | | | | | | | 3.0 | 3.3 |
| WNW | .4 | 1.2 | .2 | | | | | | | | | 1.8 | 4.5 |
| NW | .2 | .5 | .4 | .1 | | | | | | | | 1.4 | 6.5 |
| NNW | . | .5 | .3 | .2 | | | | | | | | 1.2 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.5 | |
| | 21.6 | 40.7 | 17.8 | 3.9 | .1 | | | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS 970

FEDERAL CLIMATOLOGY BRANCH
AFETAC
ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

7234-8 STATION PLYTHEWILL AFB A YEARS 77-82 MONTH JUL

ALL WEATHER
CLASS

100-1100
HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 1.2 | 2.3 | 2.2 | .6 | .1 | | | | | | | 3.3 | 2.6 |
| NNE | 1.2 | 2.3 | 2.6 | .8 | | | | | | | | 6.7 | 6.6 |
| NE | .7 | 1.5 | 2.3 | .4 | | | | | | | | 4.5 | 7.1 |
| ENE | .6 | 2.3 | 1.4 | .3 | | | | | | | | 4.3 | 6.2 |
| E | .9 | 1.0 | 1.1 | .5 | | | | | | | | 3.4 | 7.6 |
| ESE | 1.8 | .5 | 1.5 | | | | | | | | | 1.1 | 4.4 |
| SE | .9 | 1.3 | .6 | .1 | | | | | | | | 1.9 | 5.0 |
| SSE | 1.4 | 1.2 | 1.6 | .1 | | | | | | | | 4.3 | 5.6 |
| S | 1.4 | 4.9 | 3.2 | .2 | | | | | | | | 9.8 | 5.8 |
| SSW | 1.1 | 4.2 | 5.3 | 1.1 | | | | | | | | 12.0 | 6.9 |
| SW | 1.0 | 4.7 | 3.2 | .6 | | | | | | | | 7.6 | 6.2 |
| WSW | 1.0 | 4.0 | 2.2 | .4 | | | | | | | | 5.3 | 5.9 |
| W | 1.4 | 4.2 | 1.5 | .1 | | | | | | | | 7.2 | 5.2 |
| WNW | .1 | 1.9 | .9 | .2 | | | | | | | | 3.1 | 5.5 |
| NW | .5 | .2 | .5 | | | | | | | | | 1.2 | 4.7 |
| NNW | .6 | 1.1 | .6 | | | | | | | | | 3.4 | 4.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.7 | |
| | 17.3 | 39.2 | 33.1 | 5.6 | .1 | | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS

930

FEDERAL BUREAU OF SURVEILLANCE
 CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 ALL WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION WYTHEVILLE AFB AF YEARS 77-82 MONTH JUL
 CLASS ALL WEATHER HOURS (LST) 1200-1400
 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 | 2.4 | 1.7 | .2 | | | | | | | | 2.4 | 5.8 |
| NNE | .7 | 2.7 | 3.3 | .9 | .2 | | | | | | | 7.5 | 7.8 |
| NE | .7 | 1.5 | 2.4 | .6 | | | | | | | | 5.3 | 7.1 |
| ENE | .8 | 2.2 | 1.4 | .8 | | | | | | | | 4.9 | 6.9 |
| E | .7 | 1.9 | 1.6 | .5 | | | | | | | | 4.7 | 6.5 |
| ESE | .8 | 1.7 | 1.7 | .2 | | | | | | | | 3.2 | 5.7 |
| SE | 1.0 | 1.4 | .9 | .4 | | | | | | | | 2.7 | 5.7 |
| SSE | 1.4 | 2.5 | 2.2 | .8 | | | | | | | | 6.8 | 6.4 |
| S | 1.0 | 2.3 | 4.9 | 1.3 | | | | | | | | 10.0 | 7.3 |
| SSW | 1.1 | 3.5 | 4.5 | .5 | | | | | | | | 7.7 | 6.6 |
| SW | .7 | 2.6 | 3.7 | .6 | | | | | | | | 7.3 | 7.1 |
| WSW | 1.3 | 3.1 | 2.8 | .8 | | | | | | | | 5.3 | 6.4 |
| W | 1.2 | 3.3 | 2.2 | .4 | | | | | | | | 7.1 | 6.3 |
| WNW | 1.2 | 1.2 | 1.2 | | | | | | | | | 3.7 | 5.1 |
| NW | .5 | .9 | .8 | .1 | | | | | | | | 2.4 | 5.6 |
| NNW | .7 | 1.7 | 1.6 | | | | | | | | | 3.1 | 6.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.3 | |
| | 14.0 | 34.1 | 35.3 | 9.2 | .2 | | | | | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS 172

GENERAL CLIMATOLOGY BRANCH
 AFM ETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

7234 28 ELYTHEVILLE AFB AF 73-82 JUL MONTH

ALL WEATHER
 CLASS

1500-1700
 HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .0 | 2.0 | 1.8 | .6 | | | | | | | | 5.0 | 6.4 |
| NNE | .4 | 1.7 | 2.2 | .6 | | | | | | | | 4.0 | 7.2 |
| NE | .5 | 2.0 | 3.4 | .9 | | | | | | | | 7.7 | 7.3 |
| ENE | 1.0 | 1.5 | 1.4 | .3 | | | | | | | | 4.5 | 5.9 |
| E | 1.0 | 2.1 | 2.3 | .6 | | | | | | | | 5.5 | 6.5 |
| ESE | 1.0 | 1.0 | 1.9 | .3 | | | | | | | | 3.2 | 6.1 |
| SE | .0 | 1.0 | 1.0 | .3 | | | | | | | | 3.3 | 5.8 |
| SSE | .0 | 3.0 | 2.9 | .6 | | | | | | | | 7.3 | 6.2 |
| S | 1.0 | 3.2 | 4.7 | 1.5 | .1 | | | | | | | 10.2 | 7.4 |
| SSW | .0 | 2.0 | 3.9 | 1.5 | | | | | | | | 6.3 | 7.7 |
| SW | 1.0 | 2.3 | 4.3 | .5 | | | | | | | | 6.6 | 6.7 |
| WSW | 1.0 | 3.8 | 3.4 | .3 | | | | | | | | 6.4 | 6.0 |
| W | .4 | 2.5 | 2.3 | .5 | | | | | | | | 5.7 | 7.0 |
| WNW | .1 | 1.0 | 1.3 | | | | | | | | | 2.4 | 6.5 |
| NW | .0 | .5 | .9 | .1 | | | | | | | | 1.3 | 6.4 |
| NNW | .0 | 1.4 | .0 | .3 | | | | | | | | 1.3 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.0 | |
| | 10.3 | 34.3 | 38.4 | 9.2 | .1 | | | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS 270

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

723408 STATION 01YTHEVILLE AFB AF 77-84 YEAR 1960 MONTH Jul

ALL WEATHER
CLASS

1960-2000
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 | 1.7 | 1.6 | .8 | | .1 | | .1 | | | | | 1.7 | 3.5 |
| NNE | 1.5 | 2.7 | 1.1 | .3 | .1 | | | | | | | 1.2 | 3.5 |
| NE | 1.2 | 2.7 | 1.1 | .3 | | | | | | | | 1.2 | 3.5 |
| ENE | 1.7 | 2.7 | .6 | .1 | | | | | | | | 4.5 | 4.4 |
| E | 3.6 | 2.7 | 1.1 | .2 | | | | | | | | 7.7 | 4.1 |
| ESE | 2.5 | 2.4 | .5 | | | | .1 | | | | | 1.5 | 4.7 |
| SE | 2.7 | 2.9 | 1.7 | .1 | | | | | | | | 3.7 | 4.4 |
| SSE | 1.7 | 4.2 | 1.5 | .5 | | | | | | | | 2.1 | 3.6 |
| S | .3 | 3.1 | 3.7 | .5 | | | | | | | | 12.6 | 3.8 |
| SSW | 1.1 | 4.4 | 1.5 | .2 | | | | | | | | 7.1 | 3.5 |
| SW | 1.3 | 3.4 | 1.2 | .2 | | | | | | | | 6.9 | 4.7 |
| WSW | 1.1 | 1.6 | .9 | .1 | .1 | | | | | | | 4.2 | 3.3 |
| W | 1.1 | 1.5 | .1 | .1 | | | | | | | | 2.7 | 4.3 |
| WNW | .9 | .5 | .2 | | | | | | | | | 1.7 | 3.0 |
| NW | .4 | .5 | .6 | .1 | | | | | | | | 1.4 | 3.1 |
| NNW | .5 | .4 | .4 | .1 | | | | | | | | 1.4 | 3.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.3 | |
| | 27.3 | 34.8 | 16.0 | 3.0 | .3 | | .2 | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS 270

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

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

STATION 123456 PLYTHEVILLE AFB AF STATION NAME 77-8 YEARS MONTH JUL
 CLASS ALL WEATHER HOUR (LST) 100-2300
 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 | 1.5 | .5 | .2 | | | .1 | | | | | 4.0 | 5.0 |
| NNE | 1.4 | 1.3 | .7 | .1 | | | | | | | | 3.0 | 3.9 |
| NE | 2.0 | 1.6 | .3 | | | | | | | | | 2.9 | 3.0 |
| ENE | 2.1 | 1.1 | .5 | .1 | | | | | | | | 4.5 | 7.7 |
| E | 2.5 | 1.2 | .2 | .2 | | | | | | | | 4.1 | 3.7 |
| ESE | 1.3 | 2.4 | .1 | | | | | | | | | 4.7 | 3.0 |
| SE | 1.3 | 1.7 | .3 | | | | | | | | | 4.3 | 3.7 |
| SSE | 3.2 | 4.5 | 1.3 | .2 | | | | | | | | 7.2 | 4.5 |
| S | 3.2 | 7.4 | 2.6 | .1 | | | | | | | | 14.2 | 4.7 |
| SSW | 3.2 | 5.7 | 2.0 | | | | | | | | | 11.2 | 4.0 |
| SW | 1.5 | 2.8 | .3 | | | | | | | | | 4.7 | 4.1 |
| WSW | .5 | .7 | | | | | | | | | | 1.4 | 3.8 |
| W | 1.1 | .9 | .1 | .1 | | | | | | | | 2.2 | 3.2 |
| WNW | .5 | .7 | .1 | .1 | | | | | | | | 1.1 | 4.0 |
| NW | .1 | | | | | | | | | | | .5 | 3.7 |
| NNW | .1 | .1 | .1 | | | | | | | | | .9 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 20.7 | |
| | 20.4 | 34.7 | 3.7 | 1.2 | | | .1 | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/AMC

SURFACE WINDS

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

723409 STATION BLYTHEVILLE AFB AR 73-82 YEARS JUL MONTH

ALL WEATHER CLASS

ALL HOURS (L & 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 | 2.5 | 1.2 | .3 | .0 | | .0 | | | | | 2.7 | 3.4 |
| NNE | 1.0 | 2.0 | 1.5 | .4 | .1 | | | | | | | 2.1 | 3.1 |
| NE | 1.2 | 1.7 | 1.4 | .3 | | | | | | | | 4.0 | 5.3 |
| ENE | 1.2 | 1.5 | .8 | .3 | | | | | | | | 3.9 | 5.1 |
| E | 1.7 | 1.5 | .9 | .3 | | | | | | | | 4.5 | 5.1 |
| ESE | 1.0 | 1.3 | .6 | .1 | | | .0 | | | | | 3.3 | 4.6 |
| SE | 1.4 | 1.5 | .5 | .1 | | | | | | | | 3.5 | 4.5 |
| SSE | 1.7 | 3.0 | 1.4 | .3 | | | | | | | | 3.4 | 5.4 |
| S | 2.4 | 5.6 | 3.5 | .5 | .0 | | | | | | | 12.5 | 5.6 |
| SSW | 2.6 | 5.2 | 3.3 | .5 | | .0 | | | | | | 11.7 | 5.6 |
| SW | 1.0 | 3.1 | 1.0 | .3 | | .0 | | | | | | 6.5 | 5.5 |
| WSW | 1.4 | 2.1 | 1.3 | .2 | .0 | | | | | | | 5.3 | 5.5 |
| W | 1.0 | 1.0 | .8 | .2 | | | | | | | | 3.8 | 5.2 |
| WNW | .7 | .8 | .5 | .0 | | | | | | | | 2.0 | 4.9 |
| NW | .4 | .5 | .5 | .1 | | | | | | | | 1.4 | 5.5 |
| NNW | .5 | .9 | .5 | .1 | | | | | | | | .1 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.5 | |
| | 22.4 | 35.1 | 23.4 | 4.0 | .1 | .0 | .0 | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS 7440

CENTRAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

123406 STATION PLYTHEVILLE AFB AR 77-84 YEARS 7 MONTH 7

ALL WEATHER CLASS 1000-1000 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 | 5.7 | 1.5 | | | | | | | | | 4.5 | 4.7 |
| NNE | 2.3 | 1.5 | 1.1 | | | | | | | | | 4.3 | 4.1 |
| NE | 1.4 | .6 | | | | | | | | | | 3.2 | 3.0 |
| ENE | 1.1 | 1.7 | .1 | | | | | | | | | 2.2 | 3.5 |
| E | 1.3 | . | .3 | .2 | | | | | | | | 2.6 | 4.3 |
| ESE | 1.7 | .4 | | | | | | | | | | 2.2 | 2.4 |
| SE | 1.4 | 1.3 | .2 | | | | | | | | | 3.3 | 3.9 |
| SSE | .2 | 4.7 | .5 | | | | | | | | | 5.5 | 4.8 |
| S | .4 | 7.7 | 2.7 | .3 | | | | | | | | 13.0 | 4.6 |
| SSW | .4 | 7.7 | 2.2 | .1 | | | | | | | | 7.5 | 5.1 |
| SW | 1.2 | .3 | .1 | .1 | .1 | | | | | | | 1.8 | 4.0 |
| WSW | 1.4 | .1 | .1 | | | | | | | | | 1.6 | 2.8 |
| W | .1 | .3 | | | | | | | | | | .4 | 3.3 |
| WNW | .1 | .1 | .2 | | | | | | | | | .4 | 6.5 |
| NW | .1 | .3 | .1 | .2 | | | | | | | | .5 | 7.1 |
| NNW | . | 1.1 | .3 | | | | | | | | | 1.2 | 4.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 34.5 | |
| | 27.1 | 27.8 | 9.3 | 1.5 | .1 | | | | | | | 100.0 | 2.7 |

TOTAL NUMBER OF OBSERVATIONS 930

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

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

7234 06 WLYTHEVILLE AFB AF 73-82 AU 100-0500
STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|---------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|------|-----------------|
| N | 1.3 | 6.6 | 3.0 | | | | | | | | | 12.2 | 4.6 |
| NNE | 1.4 | 2.4 | .9 | | | | | | | | | 4.6 | 4.6 |
| NE | .6 | .4 | | | | | | | | | | 2.3 | 3.0 |
| ENE | 1.1 | .2 | .1 | | | | | | | | | 1.3 | 2.4 |
| E | .2 | .6 | .1 | .2 | | | | | | | | 2.0 | 2.3 |
| ESE | 1.3 | .4 | | | | | | | | | | 1.4 | 3.0 |
| SE | 1.3 | 1.4 | .1 | | | | | | | | | 2.0 | 3.0 |
| SSE | 1.7 | 3.3 | .5 | | | | | | | | | 4.3 | 4.5 |
| S | .4 | 2.2 | 3.2 | .3 | | | | | | | | 5.2 | 4.6 |
| SSW | 2.7 | 3.4 | 1.6 | .2 | | | | | | | | 7.8 | 4.9 |
| SW | .2 | 1.7 | .2 | | | | | | | | | 1.4 | 4.1 |
| WSW | .5 | .2 | | | | | | | | | | 1.0 | 2.4 |
| W | .1 | .2 | | | | | | | | | | .9 | 2.3 |
| WNW | | .1 | | | | | | | | | | .1 | 2.0 |
| NW | .7 | .2 | .1 | .1 | | | | | | | | 1.6 | 4.0 |
| NNW | .7 | 1.5 | .1 | | | | | | | | | 1.9 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.4 | |
| | 24.5 | 31.1 | 10.0 | .9 | | | | | | | | 10.2 | 2.9 |

TOTAL NUMBER OF OBSERVATIONS 100

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR FATHER SERVICE/MAC

SURFACE WINDS

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

7234 JP SLYTHEVILLE AFB AB 77-82 ALL WEATHER

STATION STATION NAME YEARS MONTH

CLASS HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | 1.9 | 5.3 | 4.0 | .4 | | | | | | | | 11.2 | 5.2 |
| NNE | 1.7 | 3.2 | 1.0 | .1 | | | | | | | | 7.2 | 5.3 |
| NE | .7 | 1.7 | .8 | | | | | | | | | 3.2 | 4.4 |
| ENE | 1.5 | 1.3 | .6 | | | | | | | | | 2.4 | 4.0 |
| E | 2.5 | .6 | .1 | .1 | | | | | | | | 3.3 | 3.0 |
| ESE | 1.1 | .6 | .2 | .1 | | | | | | | | 2.0 | 4.1 |
| SE | 1.7 | 1.9 | | | | | | | | | | 3.6 | 3.6 |
| SSE | 1.6 | 4.3 | 1.3 | .1 | | | | | | | | 7.0 | 5.1 |
| S | 1.2 | 7.7 | 6.6 | .9 | | | | | | | | 15.4 | 6.5 |
| SSW | 1.0 | 5.0 | 5.5 | .2 | | | | | | | | 13.5 | 5.1 |
| SW | .4 | 1.3 | .9 | .1 | | | | | | | | 3.2 | 5.6 |
| WSW | .2 | .9 | .3 | .1 | | | | | | | | 1.8 | 5.2 |
| W | .4 | .2 | | | | | | | | | | .9 | 2.9 |
| WNW | .2 | .4 | .4 | .1 | | | | | | | | 1.4 | 5.2 |
| NW | .5 | .1 | .1 | | | | | | | | | .2 | 3.5 |
| NNW | .3 | .5 | .1 | | | | | | | | | 1.0 | 4.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.5 | |
| | 21.0 | 36.6 | 22.2 | 2.3 | | | | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS 930

ARMY CLIMATOLOGY BRANCH
 USAFETAC
 ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 72346 STATION NAME OLYTHEVILL AFB AP YEARS 73-82 MONTH ALL

CLASS ALL WEATHER HOURS (L & T) 000-1100

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 | 1.3 | 3.4 | 1.4 | | | | | | | | 7.2 | 6.0 |
| NNE | 1.4 | 2.5 | 3.0 | .8 | | | | | | | | 7.5 | 6.7 |
| NE | 1.1 | 1.7 | 1.5 | .3 | | | | | | | | 4.9 | 5.7 |
| ENE | .1 | 2.4 | .9 | .1 | | | | | | | | 4.2 | 5.5 |
| E | .9 | 1.1 | .8 | | | | | | | | | 2.5 | 4.8 |
| ESE | 1.7 | 1.7 | .3 | | | | | | | | | 2.5 | 3.6 |
| SE | 1.3 | .3 | .9 | .1 | | | | | | | | 3.1 | 5.0 |
| SSE | 1.4 | 2.3 | .6 | .4 | | | | | | | | 4.7 | 5.3 |
| S | 1.7 | 5.1 | 6.9 | 2.4 | | | | | | | | 15.6 | 7.4 |
| SSW | 2.3 | 4.7 | 8.8 | 2.3 | .2 | | | | | | | 17.4 | 7.6 |
| SW | 1.2 | 3.5 | 3.3 | .8 | | | | | | | | 7.8 | 6.4 |
| WSW | 1.2 | 2.4 | 1.3 | .1 | | | | | | | | 4.9 | 5.2 |
| W | 1.7 | 1.4 | .9 | | | | | | | | | 3.5 | 5.0 |
| WNW | .5 | .4 | .4 | | | | | | | | | 1.4 | 5.2 |
| NW | .5 | .5 | .5 | | | | | | | | | 1.9 | 4.7 |
| NNW | .5 | .5 | .1 | .2 | | | | | | | | 1.5 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.3 | |
| | 17.5 | 32.6 | 34.5 | 9.8 | .2 | | | | | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS 970

USAFETAC
 CENTRAL CLIMATOLOGY BRANCH
 AF WEATHER SERVICE/MAC

SURFACE WINDS

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

123428 STATION WYTHEVILLE AFB AF STATION NAME 73-82 YEARS 1200-1400 MONTH HOURS (LST)

ALL WEATHER CLASS

CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 1.0 | 1.0 | 3.0 | 2.5 | | | | | | | | 3.4 | 3.0 |
| NNE | 1.0 | 2.0 | 3.0 | 1.5 | | | | | | | | 2.0 | 7.5 |
| NE | 1.4 | 2.0 | 2.6 | .3 | | | | | | | | 7.2 | 3.2 |
| ENE | 1.4 | 1.7 | 1.2 | .2 | | | | | | | | 4.5 | 5.6 |
| E | 1.3 | 1.0 | .6 | | | | | | | | | 2.9 | 4.6 |
| ESE | 1.0 | 1.4 | .2 | .1 | | | | | | | | 2.7 | 4.5 |
| SE | 1.0 | 1.0 | .5 | .1 | | | | | | | | 2.0 | 4.6 |
| SSE | 1.1 | 1.0 | 1.3 | .4 | | | | | | | | 4.7 | 3.3 |
| S | 1.4 | 3.0 | 5.9 | 2.3 | | | | | | | | 13.4 | 7.6 |
| SSW | 1.0 | 3.0 | 7.8 | 3.2 | | | | | | | | 15.9 | 6.6 |
| SW | 1.2 | 2.0 | 3.3 | .0 | | | | | | | | 5.0 | 6.7 |
| WSW | .0 | 2.0 | 1.1 | .6 | | | | | | | | 4.5 | 6.5 |
| W | 1.0 | 2.0 | 1.9 | | | | | | | | | 4.9 | 5.0 |
| WNW | .0 | 1.2 | 1.0 | | | | | | | | | 2.9 | 5.3 |
| NW | .4 | .0 | .5 | | | | | | | | | 1.3 | 5.1 |
| NNW | .0 | .0 | .5 | | | | | | | | | 1.5 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.1 | |
| | 17.4 | 31.0 | 35.5 | 12.0 | | | | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS 530

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE /MAC

SURFACE WINDS

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

STATION 123418 SLYTHEVILLE AFB A1 YEARS 77-82 MONTH ALL
 CLASS ALL WEATHER HOURS (LST) 1800-1700
 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 | 2.2 | 2.4 | .1 | | | | | | | 1.2 | 2.8 |
| NNE | 1.2 | 2.5 | 4.3 | 2.2 | | | | | | | | 1.0 | 7.9 |
| NE | .7 | 2.4 | 2.3 | .6 | | | | | | | | 5.1 | 6.7 |
| ENE | 1.1 | 2.5 | 1.3 | | | | | | | | | 5.2 | 5.7 |
| E | .2 | 4.2 | 1.2 | | | | | | | | | 5.9 | 5.1 |
| ESE | .1 | 1.1 | 1.5 | .4 | | | | | | | | 4.2 | 6.6 |
| SE | .4 | 1.7 | 1.6 | | | | | | | | | 3.3 | 6.0 |
| SSE | 1.7 | 2.7 | 2.3 | .2 | | | | | | | | 7.5 | 6.4 |
| S | 1.7 | 3.2 | 3.3 | 5.1 | | | | | | | | 17.5 | 6.8 |
| SSW | 1.1 | 3.1 | 5.4 | 2.6 | .1 | | | | | | | 12.2 | 7.9 |
| SW | 1.2 | 2.2 | 1.9 | .5 | | | | | | | | 6.6 | 6.4 |
| WSW | 1.7 | 1.7 | .4 | | .1 | | | | | | | 3.1 | 5.7 |
| W | .9 | 1.2 | .9 | .2 | | | | | | | | 3.1 | 5.7 |
| WNW | .7 | .6 | .9 | .3 | | | | | | | | 2.2 | 7.1 |
| NW | .2 | .7 | .6 | .2 | | | | | | | | 7.2 | 8.7 |
| NNW | .2 | .7 | .4 | .1 | | | | | | | | 1.1 | 6.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.5 | |
| | 12.2 | 32.4 | 30.1 | 14.7 | .3 | | | | | | | 100.0 | 6.8 |

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AFAC

SURFACE WINDS

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

773402 STATION 01 WYTHEVILLE AFB AC STATION NAME 77-82 YEARS AUG MONTH

ALL WEATHER CLASS

1950-2000 HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 1.2 | 3.1 | 2.4 | .9 | | | | | | | | 2.4 | 5.2 |
| NNE | 1.1 | 5.7 | 2.4 | .6 | .1 | | | | | | | 2.9 | 6.2 |
| NE | 2.1 | 2.4 | .8 | | | | | | | | | 3.2 | 3.9 |
| ENE | 2.1 | 1.5 | .1 | | | | | | | | | 4.4 | 3.1 |
| E | 3.0 | 1.7 | .3 | .1 | | | | | | | | 5.7 | 2.3 |
| ESE | 1.0 | 1.7 | .3 | .1 | | | | | | | | 2.2 | 2.9 |
| SE | .2 | 3.1 | 1.2 | .2 | | | | | | | | 3.7 | 4.8 |
| SSE | 1.4 | 5.1 | 2.2 | | | | | | | | | 3.5 | 5.3 |
| S | 2.2 | 7.6 | 5.7 | 1.1 | | | | | | | | 15.6 | 6.4 |
| SSW | .2 | 4.0 | 1.7 | .1 | | | | | | | | 2.0 | 2.2 |
| SW | 1.2 | .9 | .2 | .1 | | | | | | | | 2.2 | 4.2 |
| WSW | .0 | .6 | .1 | | | | | | | | | 1.6 | 2.5 |
| W | .5 | .3 | .2 | .1 | | | | | | | | 1.2 | 4.6 |
| WNW | .3 | .6 | .3 | .1 | | | | | | | | 1.4 | 5.5 |
| NW | .7 | .4 | | .1 | | | | | | | | .9 | 2.3 |
| NNW | .1 | .2 | .2 | | | | | | | | | .5 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.6 | |
| | 24.7 | 38.2 | 15.0 | 3.4 | .1 | | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 530

U.S. AIR FORCE CLIMATOLOGY BRANCH
 WETLAC
 AIR WEATHER SERVICE/AA

SURFACE WINDS

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

1274.5 STATION 1274.5 LITTLEVILLE AFB AR 72-9 YEARS MONTH

ALL WEATHER
 CLASS

100-2400
 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 | 5.1 | 1.1 | .2 | | | | | | | | 2.1 | 4.3 |
| NNE | 1.1 | 2.6 | .9 | .3 | | | | | | | | 2.0 | 5.0 |
| NE | 1.1 | 1.1 | .2 | .1 | | | | | | | | 2.2 | 4.4 |
| ENE | 2.7 | .6 | .3 | | | | | | | | | 2.7 | 3.2 |
| E | 1.1 | 1.7 | .3 | | | | | | | | | 4.8 | 3.3 |
| ESE | 2.4 | 1.4 | .2 | .1 | | | | | | | | 4.1 | 3.7 |
| SE | 1.7 | 3.4 | .1 | | | | | | | | | 3.3 | 3.4 |
| SSE | 2.7 | 4.7 | 1.4 | | | | | | | | | 3.0 | 4.6 |
| S | 4.6 | 7.6 | 4.2 | .8 | | | | | | | | 17.1 | 5.3 |
| SSW | 3.1 | 2.7 | 1.1 | .2 | | | | | | | | 7.2 | 4.5 |
| SW | 1.2 | .1 | .1 | | | | | | | | | 1.4 | 3.2 |
| WSW | 1.1 | .5 | .1 | | | | | | | | | 1.7 | 3.3 |
| W | .1 | .1 | .1 | | | | | | | | | .4 | 3.4 |
| WNW | .1 | .3 | .1 | | | | | | | | | .3 | 4.4 |
| NW | .1 | .2 | .1 | .1 | | | | | | | | .3 | 6.3 |
| NNW | .1 | 1.7 | .1 | .1 | | | | | | | | 1.3 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 0.6 | |
| | 27.7 | 34.5 | 13.7 | 1.0 | | | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 630

U.S. AIR FORCE METEOROLOGICAL BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 223408 SLYTHEVILLE AFB AF STATION NAME 73-62 YEARS 3 MONTH ALL
 CLASS ALL WEATHER HOURS (L.S.Y.) ALL
 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 | 3.9 | 2.7 | 1.0 | .0 | | | | | | | 1.2 | 4.4 |
| NNE | 1.0 | 2.9 | 2.4 | .7 | .0 | | | | | | | 7.4 | 6.7 |
| NE | 1.5 | 1.0 | 1.0 | .0 | | | | | | | | 4.3 | 5.2 |
| ENE | 1.7 | 1.5 | .6 | .0 | | | | | | | | 1.1 | 4.3 |
| E | 1.0 | 1.5 | .5 | .1 | | | | | | | | 4.0 | 4.4 |
| ESE | 1.0 | 1.0 | .3 | .1 | | | | | | | | 2.2 | 4.7 |
| SE | 1.0 | 1.0 | .6 | .1 | | | | | | | | 3.2 | 4.4 |
| SSE | 1.7 | 3.0 | 1.2 | .1 | | | | | | | | 2.5 | 4.4 |
| S | .1 | 6.4 | 5.4 | 1.6 | | | | | | | | 10.6 | 6.3 |
| SSW | .3 | 3.7 | 4.2 | 1.1 | .0 | | | | | | | 11.4 | 6.6 |
| SW | 1.0 | 1.6 | 1.3 | .3 | .0 | | | | | | | 7.2 | 5.9 |
| WSW | 1.0 | 1.1 | .4 | .1 | .0 | | | | | | | 2.8 | 4.2 |
| W | .7 | .7 | .5 | .0 | | | | | | | | 2.0 | 4.0 |
| WNW | .7 | .5 | .4 | .1 | | | | | | | | 1.3 | 5.0 |
| NW | .4 | .4 | .3 | .1 | | | | | | | | 1.1 | 4.5 |
| NNW | .4 | .0 | .2 | .1 | | | | | | | | 1.4 | 4.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.5 | |
| | 21.0 | 33.1 | 2.1 | 5.6 | .1 | | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 744

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 122400 WLYTHEVILLE AFB A STATION NAME WLYTHEVILLE AFB A YEARS 77-80 MONTH SEP
 CLASS ALL WEATHER HOURS (L.S.T.) 000-2300
 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 | 7.1 | 1.0 | .7 | .1 | | | | | | | 14.0 | 4.2 |
| NNE | .7 | 2.7 | 1.1 | .2 | | | | | | | | 7.7 | 4.4 |
| NE | 1.1 | .0 | .3 | .3 | | | | | | | | 2.3 | 4.6 |
| ENE | 1.2 | .0 | .1 | | | | | | | | | 1.2 | 3.0 |
| E | 1.1 | 1.2 | | | | | | | | | | 2.3 | 2.6 |
| ESE | .0 | 1.0 | .3 | | | | | | | | | 1.3 | 4.6 |
| SE | .0 | .0 | .2 | | | | | | | | | .2 | 3.0 |
| SSE | .3 | 1.0 | 1.7 | | | | | | | | | 2.0 | 4.4 |
| S | .0 | 4.0 | 2.6 | .3 | | | | | | | | 6.9 | 5.0 |
| SSW | 1.0 | 1.0 | 1.3 | | | | | | | | | 3.3 | 4.9 |
| SW | .0 | .1 | | | | | | | | | | .1 | 2.4 |
| WSW | .4 | .4 | | | | | | | | | | .8 | 2.4 |
| W | .0 | .0 | .1 | | | | | | | | | .1 | 2.0 |
| WNW | .0 | .0 | .2 | | | | | | | | | .2 | 4.6 |
| NW | .1 | 1.2 | .7 | | | | | | | | | 1.0 | 5.0 |
| NNW | .0 | 1.0 | 1.2 | | .1 | | | | | | | 2.3 | 6.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.4 | |
| | 21.2 | 25.2 | 11.3 | 1.6 | .2 | | | | | | | 100.0 | 2.0 |

TOTAL NUMBER OF OBSERVATIONS 400

FEDERAL BUREAU OF SURVEY
 NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D. C. 20541
 AIR FORCE WEATHER SERVICE/AFAC

SURFACE WINDS

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

STATION 123456 PLYMOUTHVILLE AFB AR YEARS 77-82 MONTH ALL

CLASS ALL WEATHER HOURS (L & T) 0000-2359

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 | 0.3 | 6.1 | 2.0 | 1.3 | | | | | | | | 12.7 | 3.0 |
| NNE | 0.3 | 1.7 | 1.0 | | | | | | | | | 2.9 | 4.2 |
| NE | 0.3 | 0.3 | 0.1 | 0.4 | 0.1 | | | | | | | 1.2 | 7.2 |
| ENE | 1.0 | 0.7 | 0.2 | | | | | | | | | 1.9 | 2.5 |
| E | 2.0 | 0.0 | 0.4 | | | | | | | | | 2.4 | 2.5 |
| ESE | 0.4 | 0.7 | 0.2 | | | | | | | | | 1.3 | 4.2 |
| SE | 0.0 | 1.6 | 0.7 | | | | | | | | | 2.3 | 4.6 |
| SSE | 1.0 | 2.7 | 0.8 | 0.1 | | | | | | | | 4.6 | 4.6 |
| S | 1.0 | 3.7 | 1.5 | 0.4 | | | | | | | | 7.7 | 2.6 |
| SSW | 1.0 | 2.7 | 0.8 | 0.1 | | | | | | | | 4.6 | 4.6 |
| SW | 0.7 | 0.4 | 0.2 | | | | | | | | | 1.3 | 4.2 |
| WSW | 0.7 | 0.2 | | | | | | | | | | 0.9 | 2.5 |
| W | 0.7 | 0.4 | | | | | | | | | | 1.1 | 2.7 |
| WNW | | 0.4 | | | | | | | | | | 0.4 | 4.5 |
| NW | 0.4 | 0.5 | 0.7 | | | | | | | | | 1.6 | 5.1 |
| NNW | 1.1 | 2.0 | 0.4 | 0.1 | | | | | | | | 3.6 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 75.3 | |
| | 2.2 | 26.6 | 10.2 | 2.6 | 0.1 | | | | | | | 12.2 | 2.9 |

TOTAL NUMBER OF OBSERVATIONS 899

USAFETAC
 WEATHER SERVICE/MAO

SURFACE WINDS

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

STATION: SLYTHEVILLE AFB AT YEARS: 77-80 MONTH: _____
 CLASS: ALL WEATHER HOURS (L & T): 312-6800
 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 | 6.3 | 4.7 | 2.9 | | | | | | | | 11.2 | 6.1 |
| NNE | 1.0 | 7.0 | 1.7 | 1.0 | | | | | | | | 7.7 | 5.3 |
| NE | 1.5 | 1.9 | 1.2 | | | | | | | | | 4.3 | 4.7 |
| ENE | 1.4 | 1.1 | .7 | .1 | | | | | | | | 3.3 | 4.4 |
| E | 1.1 | 1.2 | .7 | | | | | | | | | 4.3 | 3.8 |
| ESE | 1.1 | 1.1 | .4 | | | | | | | | | 3.3 | 3.6 |
| SE | 1.1 | 1.1 | .7 | .3 | | | | | | | | 4.4 | 5.2 |
| SSE | 1.7 | 1.9 | 1.1 | .1 | | | | | | | | 4.8 | 5.7 |
| S | 1.2 | 4.2 | 4.1 | .4 | | | | | | | | 11.9 | 6.2 |
| SSW | .5 | 2.3 | 1.9 | .2 | | | | | | | | 5.2 | 6.7 |
| SW | 1.4 | .3 | | | | | | | | | | 1.7 | 2.8 |
| WSW | .5 | .7 | | | | | | | | | | 1.2 | 2.6 |
| W | .7 | .7 | | | | | | | | | | 1.4 | 3.7 |
| WNW | .9 | .7 | .1 | | | | | | | | | 1.7 | 3.6 |
| NW | .4 | .6 | .2 | | | | | | | | | 1.2 | 4.2 |
| NNW | .9 | 1.9 | 1.1 | .3 | | | | | | | | 3.9 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.9 | |
| | 23.9 | 28.8 | 18.1 | 8.3 | | | | | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS 900

NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

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

STATION 123456 RYTHEWILLE AFB TX STATION NAME TX-60 YEARS 5 MONTH 6
 CLASS ALL WEATHER 900-1000
 HOURS (LST) 900-1000
 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 | 7.7 | 4.7 | 4.7 | .1 | .1 | | | | | | 14.3 | 4.4 |
| NNE | 1.2 | 2.7 | 4.4 | 7.1 | | | | | | | | 11.1 | 5.1 |
| NE | 1.1 | 2.0 | 2.0 | .9 | | | | | | | | 5.4 | 2.7 |
| ENE | 1.1 | 1.0 | 1.8 | .6 | | | | | | | | 3.2 | 3.3 |
| E | 1.0 | 2.4 | 1.0 | .1 | | | | | | | | 4.2 | 2.2 |
| ESE | 1.0 | 1.0 | .3 | .4 | | | | | | | | 2.7 | 5.2 |
| SE | .9 | 1.7 | .9 | .4 | .1 | | | | | | | 4.1 | 6.5 |
| SSE | 1.1 | 1.9 | 1.9 | .6 | | | | | | | | 7.2 | 6.1 |
| S | 1.0 | 4.2 | 4.4 | 2.6 | | | | | | | | 12.2 | 7.5 |
| SSW | 1.0 | 2.0 | 4.4 | 7.2 | | | | | | | | 12.7 | 7.6 |
| SW | 1.0 | 1.7 | .9 | .4 | | | | | | | | 4.0 | 2.8 |
| WSW | 1.4 | .0 | .2 | .1 | | | | | | | | 2.7 | 4.2 |
| W | 1.3 | .0 | .1 | | | | | | | | | 2.2 | 3.2 |
| WNW | .7 | .9 | .2 | | | | | | | | | 1.6 | 4.3 |
| NW | .0 | .6 | .1 | .1 | | | | | | | | 1.1 | 4.7 |
| NNW | .0 | 1.1 | .6 | .3 | | | | | | | | 2.0 | 6.6 |
| VARBL | | | | | | | | | | | | .1 | |
| CALM | | | | | | | | | | | | .1 | |
| | 1.6 | 50.7 | 7.9 | 15.2 | .2 | .1 | | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS 900

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/MAAC

SURFACE WINDS

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

STATION 123456 PLYMOUTHVILLE AFB AF YEARS 72-9 SLD 1000-1400
STATION NAME CLASS MONTH HOURE (L.S.T.)
 ALL WEATHER
CONDITION

| SPEED (KNTS) DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|---------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 1.1 | 3.7 | 5.6 | 4.7 | .3 | .1 | | | | | | 14.5 | 7.0 |
| NNE | 1.7 | 3.7 | 5.2 | 2.3 | | | | | | | | 12.7 | 7.8 |
| NE | .7 | 2.7 | 3.7 | .6 | | | | | | | | 2.7 | 5.8 |
| ENE | 3.1 | 2.7 | 1.2 | .2 | | | | | | | | 3.1 | 5.4 |
| E | 1.2 | 2.7 | .6 | | | | | | | | | 2.3 | 4.4 |
| ESE | .7 | 2.1 | .9 | .4 | | | | | | | | 4.2 | 6.2 |
| SE | .4 | 1.2 | 1.7 | | .2 | | | | | | | 3.8 | 7.3 |
| SSE | .5 | 1.3 | .9 | .7 | | | | | | | | 3.9 | 6.5 |
| S | 1.2 | 3.6 | 3.6 | 2.4 | | | | | | | | 10.5 | 7.6 |
| SSW | 1.2 | 3.6 | 3.1 | 2.7 | | | | | | | | 13.4 | 7.5 |
| SW | .5 | 1.5 | 1.9 | 1.6 | | | | | | | | 6.2 | 7.5 |
| WSW | .7 | .6 | .9 | | | | | | | | | 2.1 | 3.4 |
| W | .1 | .9 | .2 | | | | | | | | | 1.9 | 4.1 |
| WNW | .5 | 1.1 | .2 | | | | | | | | | 1.8 | 4.9 |
| NW | .1 | 1.1 | .4 | .1 | | | | | | | | 2.4 | 5.7 |
| NNW | 1.2 | 1.7 | 1.4 | .7 | .1 | | | | | | | 4.5 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.0 | |
| | 14.7 | 34.1 | 31.4 | 15.1 | .7 | .1 | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 900

U.S. AIR FORCE
 CENTRAL CLIMATOLOGY BRANCH
 WETAC
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

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

1974-75 STATION WETAC 70-81 YEARS 50 NORTH

ALL WEATHER CLASS

1500-1700 HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 1.0 | 4.6 | 5.4 | 2.7 | .7 | | | | | | | 10.3 | 7.7 |
| NNE | 1.0 | 3.0 | 4.6 | 2.3 | | | | | | | | 12.4 | 7.3 |
| NE | 1.0 | 2.0 | 2.4 | .9 | | | | | | | | 3.2 | 3.1 |
| ENE | 2.2 | 3.0 | 1.7 | | | | | | | | | 7.7 | 4.7 |
| E | 1.0 | 2.7 | 1.2 | | | | | | | | | 5.7 | 4.7 |
| ESE | .7 | 2.6 | .7 | .4 | | | | | | | | 4.6 | 4.6 |
| SE | .2 | 2.0 | .3 | .2 | | | | | | | | 3.3 | 5.1 |
| SSE | 1.1 | 1.7 | 2.0 | .6 | | | | | | | | 3.3 | 4.2 |
| S | .7 | 3.3 | 4.0 | 1.6 | | | | | | | | 10.3 | 7.7 |
| SSW | 1.1 | 1.7 | 2.0 | 1.7 | | | | | | | | 3.6 | 7.2 |
| SW | .7 | 1.4 | 1.2 | .6 | | | | | | | | 3.4 | 7.4 |
| WSW | .7 | .5 | .8 | | | | | | | | | 1.0 | 5.7 |
| W | 1.0 | .7 | .2 | | | | | | | | | 1.0 | 3.0 |
| WNW | .7 | .7 | .4 | | | | | | | | | .7 | 3.7 |
| NW | .7 | .4 | .4 | .2 | | | | | | | | 1.1 | 5.0 |
| NNW | 1.1 | 1.2 | 1.3 | 1.2 | .2 | | | | | | | 1.1 | 6.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 17.2 | 34.7 | 33.4 | 11.7 | .4 | | | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

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

STATION 22345B OLYTHEWILL AFB AB STATION NAME 77-82 YEARS SEP MONTH 1400-2000 HOURS (L & T)
 CLASS ALL WEATHER
 CONDITION _____

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------|
| N | .4 | 6.7 | 1.2 | .0 | .1 | | | | | | | 11.1 | 2.1 |
| NNE | .4 | 5.7 | 2.4 | | | | | | | | | 13.1 | 4.4 |
| NE | .1 | 2.2 | .7 | .1 | | | | | | | | 6.4 | 3.6 |
| ENE | .1 | 1.1 | .3 | .2 | | | | | | | | 3.5 | 3.9 |
| E | .3 | 1.6 | .1 | | | | | | | | | 4.4 | 2.9 |
| ESE | .1 | 1.6 | | | | | | | | | | 4.5 | 2.0 |
| SE | .1 | 1.7 | .3 | .1 | | | | | | | | 4.2 | 4.0 |
| SSE | 3.2 | 2.9 | .3 | .6 | | | | | | | | 7.0 | 4.5 |
| S | .1 | 4.1 | 2.4 | .4 | .2 | | | | | | | 4.7 | 5.6 |
| SSW | .7 | 1.1 | .2 | .1 | | | | | | | | 1.5 | 3.2 |
| SW | 1.2 | .4 | .1 | | | | | | | | | 1.5 | 3.3 |
| WSW | .2 | .2 | | | | | | | | | | .4 | 3.0 |
| W | .1 | .3 | .1 | | | | | | | | | .5 | 4.3 |
| WNW | .3 | .4 | .2 | .1 | | | | | | | | 1.1 | 4.0 |
| NW | | .4 | .4 | .1 | | | | | | | | 1.0 | 0.2 |
| NNW | .2 | 1.3 | .7 | 1.7 | .1 | | | | | | | 3.1 | 3.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 73.7 | |
| | 31.0 | 31.6 | 9.0 | 7.6 | .4 | | | | | | | 176.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS 400

JOINT CHIEF OF STAFF
 USAFETAC
 AIR WEATHER SERVICE/HAC

SURFACE WINDS

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

STATION SLYTHEVILLE AFB AF STATION NAME 75-82 YEARS 5
 CLASS ALL WEATHER HOURS (L.S.T.) 100-2000
 CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 3.0 | 7.3 | .7 | 1.0 | | | | | | | | 10.0 | 4.3 |
| NNE | 2.4 | 4.1 | 1.1 | .3 | | | | | | | | 9.7 | 4.3 |
| NE | .1 | 1.4 | .4 | .3 | | | | | | | | 4.2 | 4.2 |
| ENE | .1 | .3 | .1 | .1 | | | | | | | | 1.1 | 3.0 |
| E | 3.7 | 1.0 | | | | | | | | | | 2.4 | 2.2 |
| ESE | 1.2 | 1.0 | .2 | | | | | | | | | 1.0 | 3.9 |
| SE | 1.3 | .0 | .7 | | | | | | | | | 2.0 | 4.0 |
| SSE | 2.4 | 3.0 | .0 | | | | | | | | | 1.2 | 4.3 |
| S | .1 | 2.4 | 2.6 | .6 | | | | | | | | 7.7 | 5.7 |
| SSW | 1.0 | 1.7 | .7 | | | | | | | | | 3.0 | 4.3 |
| SW | .0 | .6 | .7 | | | | | | | | | 1.1 | 3.4 |
| WSW | .0 | .2 | | | | | | | | | | .7 | 2.5 |
| W | .7 | .2 | .1 | .1 | | | | | | | | 1.1 | 4.4 |
| WNW | .1 | .4 | .1 | | | | | | | | | .7 | 4.9 |
| NW | .1 | .2 | .4 | | .1 | .1 | | | | | | 1.0 | 4.0 |
| NNW | .0 | 1.3 | 1.7 | .2 | | | | | | | | 1.4 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 34.1 | |
| | 2.4 | 28.7 | 8.9 | 2.7 | .1 | .1 | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 500

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

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

123456 STATION WYTHEVILLE AFB AP YEAR 73-82 MONTH SEP
STATION NAME YEAR MONTH

ALL WEATHER
CLASS

ALL
HOURS (LST)

CONDITION

| SPEED (KNTS) DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|---------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 3.0 | 5.5 | 3.7 | 2.0 | .1 | .0 | | | | | | 14.9 | 8.4 |
| NNE | 2.7 | 3.5 | 2.7 | 1.2 | | | | | | | | 10.0 | 6.0 |
| NE | 1.0 | 1.8 | 1.3 | .4 | .0 | | | | | | | 5.4 | 5.5 |
| ENE | 1.7 | 1.5 | .8 | .2 | | | | | | | | 4.0 | 4.7 |
| E | 2.0 | 1.8 | .5 | .0 | | | | | | | | 4.0 | 3.5 |
| ESE | 1.0 | 1.6 | .4 | .2 | | | | | | | | 3.4 | 4.7 |
| SE | 1.1 | 1.4 | .6 | .2 | .0 | | | | | | | 3.3 | 5.2 |
| SSE | 1.0 | 2.2 | 1.0 | .3 | | | | | | | | 5.2 | 5.1 |
| S | 1.7 | 3.7 | 3.3 | 1.1 | .0 | | | | | | | 8.8 | 6.6 |
| SSW | 1.1 | 2.2 | 1.0 | .8 | | | | | | | | 5.9 | 6.5 |
| SW | .0 | .3 | .5 | .3 | | | | | | | | 2.4 | 5.7 |
| WSW | .0 | .4 | .3 | .0 | | | | | | | | 1.3 | 4.2 |
| W | .7 | .5 | .1 | .0 | | | | | | | | 1.3 | 2.0 |
| WNW | .4 | .5 | .2 | .0 | | | | | | | | 1.2 | 4.5 |
| NW | .7 | .7 | .4 | .1 | .0 | .0 | | | | | | 1.8 | 5.9 |
| NNW | .8 | 1.5 | 1.0 | .5 | .1 | | | | | | | 3.7 | 6.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.7 | |
| | 22.3 | 20.9 | 18.4 | 7.3 | .3 | .0 | | | | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS 7199

FEDERAL METEOROLOGICAL BUREAU
 USAFETAC
 AIR WEATHER SERVICE/AC

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

SURFACE WINDS

STATION 12348 PLYTHELVILLE AFB AB STATION NAME 72-80 YEARS 01
 CLASS ALL WEATHER HOURS (L.S.T.) 000-2400
 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 | 5.1 | 3.4 | 1.9 | | | | | | | | 10.1 | 6.5 |
| NNE | | 1.2 | .5 | | | | | | | | | 2.0 | 4.9 |
| NE | 1.1 | .5 | .3 | | | | | | | | | 1.9 | 3.2 |
| ENE | 1.1 | .3 | .2 | | | | | | | | | 1.6 | 3.4 |
| E | 2.2 | .3 | .3 | | | | | | | | | 2.8 | 3.3 |
| ESE | 1.2 | .4 | | | | | | | | | | 1.6 | 2.6 |
| SE | | 1.4 | .3 | .4 | | | | | | | | 2.4 | 3.9 |
| SSE | 1.1 | 4.4 | 2.3 | 1.5 | | | | | | | | 11.2 | 5.8 |
| S | 1.3 | 4.1 | 1.7 | .6 | | | | | | | | 9.8 | 5.7 |
| SSW | 2.3 | 3.7 | 1.9 | .4 | | | | | | | | 9.4 | 5.3 |
| SW | .1 | | | | | | | | | | | .9 | 4.4 |
| WSW | | .1 | | | | | | | | | | .5 | 2.7 |
| W | 1.7 | .6 | .1 | .3 | | | | | | | | 2.7 | 4.2 |
| WNW | 1.3 | 1.3 | .6 | .1 | | | | | | | | 3.3 | 3.5 |
| NW | 1.7 | 1.2 | .4 | .3 | | | | | | | | 3.6 | 5.2 |
| NNW | 1.7 | .6 | 1.6 | .3 | | | | | | | | 3.2 | 6.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.4 | |
| | 23.0 | 26.6 | 14.2 | .9 | | | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 670

FEDERAL BUREAU OF SURVEY
 NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C. 20540
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 7234.3 PLYMOUTHVILLE AFB AR YEARS: 77-82 MONTH: ALL
 CLASS: ALL WEATHER HOURS (L.S.T.): 0000-0600
 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 | % | WIND SPEED |
|-------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|------------|
| N | 7.2 | 7.7 | 4.7 | 1.7 | .1 | | | | | | | 1.2 | 4.7 |
| NNE | 1.2 | .7 | .5 | .5 | | | | | | | | .8 | 5.0 |
| NE | 1.7 | .4 | | | | | | | | | | .4 | 5.0 |
| ENE | .7 | .1 | | | | | | | | | | .1 | 2.3 |
| E | 1.4 | .7 | .2 | | | | | | | | | .4 | 3.2 |
| ESE | 1.2 | .7 | .2 | | | | | | | | | .8 | 3.8 |
| SE | 1.2 | 1.5 | .6 | .3 | .1 | | | | | | | .3 | 5.7 |
| SSE | 2.9 | 3.7 | 2.7 | .5 | .1 | | | | | | | .9 | 5.7 |
| S | 2.5 | 4.5 | 2.7 | 1.3 | .1 | | | | | | | 11.1 | 6.0 |
| SSW | 4.7 | 3.2 | .7 | .3 | | | | | | | | .3 | 4.7 |
| SW | .7 | .7 | .1 | | | | | | | | | 1.0 | 4.7 |
| WSW | .7 | .7 | .1 | | | | | | | | | .9 | 3.0 |
| W | 1.7 | 1.2 | .2 | .1 | | | | | | | | .4 | 3.2 |
| WNW | 1.1 | 1.5 | .3 | .1 | | | | | | | | .0 | 4.4 |
| NW | .7 | .6 | .9 | .1 | | | | | | | | .2 | 5.6 |
| NNW | .4 | 1.4 | .6 | .3 | | | | | | | | .5 | 6.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 29.4 | |
| | 23.4 | 27.7 | 17.5 | 5.5 | .4 | | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 670

FEDERAL BUREAU OF SURVEY
 METEOROLOGICAL SERVICE/AFAC

SURFACE WINDS

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

STATION ELYTHEVILLE AFB AR YEARS 73-82 MONTH ALL
 STATION NAME CLASS ALL WEATHER HOURS (L & 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 | 5.2 | 5.6 | 7.9 | .7 | | | | | | | 16.8 | 7.5 |
| NNE | 1.1 | 1.4 | .5 | .6 | | | | | | | | 4.2 | 3.6 |
| NE | 1.1 | .1 | .2 | .1 | | | | | | | | 1.4 | 4.2 |
| ENE | 1.1 | .1 | .2 | | | | | | | | | 1.4 | 3.6 |
| E | 1.1 | .1 | .2 | | | | | | | | | 1.4 | 3.6 |
| ESE | 1.1 | 1.1 | .7 | .2 | | | | | | | | 2.2 | 4.6 |
| SE | 1.1 | 2.3 | 1.1 | .1 | | | | | | | | 4.7 | 5.2 |
| SSE | .3 | 4.2 | 2.3 | 1.1 | | | | | | | | 8.2 | 2.2 |
| S | .6 | 4.8 | 2.7 | 7.1 | .3 | | | | | | | 17.1 | 7.1 |
| SSW | 1.1 | 2.1 | 1.0 | .4 | | | | | | | | 2.2 | 2.2 |
| SW | .1 | 1.7 | .2 | .2 | .1 | | | | | | | 2.2 | 2.2 |
| WSW | .1 | .7 | .2 | | | | | | | | | 1.0 | 2.2 |
| W | 1.1 | 1.1 | 1.1 | | | | | | | | | 3.5 | 4.5 |
| WNW | .1 | 1.1 | .9 | .3 | | | | | | | | 2.5 | 5.2 |
| NW | 1.1 | .7 | .9 | | | | | | | | | 2.7 | 4.5 |
| NNW | .1 | 1.4 | 1.4 | .2 | | | | | | | | 3.3 | 4.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.4 | |
| | 1.2 | 27.2 | 13.6 | 9.4 | .5 | | | | | | | 77.7 | 4.2 |

TOTAL NUMBER OF OBSERVATIONS 732

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

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

STATION: 123456 WYTHEVILLE AFB AT YEARS: 73-54 MONTH: ALL
 CLASS: ALL WEATHER HOURS (LST): 24-1100
 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 | 2.0 | 3.7 | 3.6 | .1 | | | | | | | 1.0 | 10.2 |
| NNE | .7 | 1.7 | 2.8 | 1.7 | .1 | | | | | | | .9 | 3.5 |
| NE | .4 | 1.2 | .9 | .2 | | | | | | | | .4 | 3.0 |
| ENE | 1.1 | 1.7 | 1.3 | .1 | | | | | | | | 4.5 | 3.3 |
| E | .1 | 1.5 | 1.7 | .1 | | | | | | | | .7 | 3.0 |
| ESE | .7 | .6 | .6 | .2 | | | | | | | | 1.0 | 3.0 |
| SE | .1 | 1.3 | 1.2 | .3 | .1 | | | | | | | .3 | 3.4 |
| SSE | 1.1 | 2.0 | 2.0 | 2.0 | .2 | | | | | | | .2 | 3.7 |
| S | 1.7 | 4.0 | 5.6 | 4.8 | .5 | .1 | | | | | | 18.0 | 3.7 |
| SSW | .1 | 1.0 | 4.5 | 3.3 | .1 | | | | | | | 10.0 | 3.0 |
| SW | .1 | 1.3 | 2.6 | .8 | .3 | .1 | | | | | | 6.0 | 3.2 |
| WSW | .1 | .1 | 1.4 | .2 | | | | | | | | .5 | 7.2 |
| W | .1 | 1.2 | 1.2 | .5 | | | | | | | | 3.0 | 3.7 |
| WNW | .4 | .3 | 1.3 | 1.0 | | | | | | | | 3.0 | 3.6 |
| NW | .1 | .3 | 1.4 | .3 | | | | | | | | 3.4 | 7.8 |
| NNW | .1 | 1.3 | 1.4 | 1.4 | | | | | | | | 4.4 | 3.3 |
| VARBL | | | | | | | | | | | | 4.7 | |
| CALM | | | | | | | | | | | | | |
| | .3 | 25.1 | 34.3 | 24.0 | 1.0 | .2 | | | | | | 100.0 | 7.9 |

TOTAL NUMBER OF OBSERVATIONS 930

FEDERAL BUREAU OF SURVEILLANCE
 METAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

STATION 2234 WYTHEVILLE AFB AC YEARS 77-80 MONTH ALL
 CLASS ALL WEATHER HOURS (L S T) 1000-1400

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 | 1.2 | 4.5 | 4.9 | 1.3 | | | | | | | 1.2 | 1.0 |
| NNE | .1 | 1.7 | 2.6 | 1.0 | .1 | | | | | | | .5 | .1 |
| NE | .1 | 1.1 | .9 | .4 | | | | | | | | .7 | .1 |
| ENE | .1 | 1.7 | .6 | | | | | | | | | .7 | .1 |
| E | .1 | .6 | .3 | | | | | | | | | .7 | .1 |
| ESE | .1 | 1.4 | .9 | .1 | | | | | | | | .7 | .1 |
| SE | .1 | 1.1 | 1.7 | .4 | | .1 | | | | | | .2 | .1 |
| SSE | 1.1 | 1.8 | 2.8 | 1.3 | .1 | | | | | | | .1 | .1 |
| S | 1.2 | 3.0 | 4.5 | 4.9 | 1.2 | .1 | | | | | | .7 | .1 |
| SSW | .3 | 1.7 | 4.3 | 4.0 | .6 | .3 | | | | | | .1 | .1 |
| SW | .1 | 1.2 | 2.3 | 1.1 | .1 | | | | | | | .4 | .1 |
| WSW | .1 | 1.7 | 1.9 | .6 | .1 | | | | | | | .1 | .1 |
| W | .4 | 2.7 | 1.8 | 1.2 | .1 | .1 | | | | | | .4 | .1 |
| WNW | .4 | 1.7 | 1.1 | .8 | | | | | | | | .2 | .1 |
| NW | .1 | 1.2 | 1.7 | 1.1 | .2 | | | | | | | .5 | .1 |
| NNW | .1 | 1.1 | 2.0 | 1.5 | .1 | | | | | | | .4 | .1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 11.9 | 24.5 | 32.0 | 27.3 | 7.7 | .1 | | | | | | 1.0 | .1 |

TOTAL NUMBER OF OBSERVATIONS 130

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 12545 LYTHEVILL AFB A YEARS: 7-8 MONTH: 08
 CLASS: ALL WEATHER HOURS: 1700-1700
 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 | 2.0 | 4.0 | 4.2 | .7 | | | | | | | 1.07 | 6.1 |
| NNE | 1.0 | 2.0 | 2.7 | 1.7 | | | | | | | | .7 | 7.0 |
| NE | 1.0 | 1.0 | .6 | | | | | | | | | .6 | 4.0 |
| ENE | 1.1 | .5 | .4 | | | | | | | | | .5 | 3.0 |
| E | 1.0 | . | .4 | | | | | | | | | .4 | 4.4 |
| ESE | 1.0 | 1.7 | .0 | .1 | | | | | | | | .1 | 4.5 |
| SE | 1.4 | 1.0 | .9 | .2 | .1 | | | | | | | .1 | 2.0 |
| SSE | 1.0 | 2.2 | 2.8 | 1.0 | | | | | | | | .0 | 7.4 |
| S | 1.0 | 4.4 | 4.0 | 4.1 | .7 | | | | | | | 14.0 | 7.7 |
| SSW | 1.1 | 1.0 | 2.7 | 2.2 | .1 | .1 | | | | | | .1 | 2.5 |
| SW | 1.4 | 2.0 | 1.0 | .4 | .1 | | | | | | | .5 | 6.1 |
| WSW | 1.4 | 1.7 | 1.0 | .7 | | | | | | | | .7 | 2.0 |
| W | . | 1.0 | 1.1 | .0 | .1 | | | | | | | .1 | 0.0 |
| WNW | 1.0 | 1.0 | 1.5 | .0 | | | | | | | | .0 | 0.0 |
| NW | .7 | . | 1.7 | .9 | .1 | | | | | | | .7 | 0.1 |
| NNW | . | 1.1 | 1.1 | .9 | | | | | | | | .4 | 2.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .1 | |
| | 17.4 | 20.7 | 20.7 | 11.0 | 1.1 | .1 | | | | | | 0.0 | 0.0 |

TOTAL NUMBER OF OBSERVATIONS: 1700

U.S. AIR FORCE
 METEOROLOGICAL CLIMATOLOGY BRANCH
 AFMTC
 AIR WEATHER SERVICE/AFAC

SURFACE WINDS

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

STATION 10346 PLYTHEVILLE AFB STATION NAME 77-4 YEARS 1950-1951 MONTH

ALL WEATHER
 CLASS

1200-2400
 HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 2.4 | 5.5 | 2.3 | 1.6 | | | | | | | | 11.8 | 2.8 |
| NNE | 1.7 | 2.1 | .9 | .4 | | | | | | | | 2.4 | 5.5 |
| NE | 1.7 | 1.2 | .2 | .1 | | | | | | | | 2.0 | 4.1 |
| ENE | 1.3 | . | .1 | | | | | | | | | 2.3 | 3.4 |
| E | 2.2 | 1.2 | .1 | | | | | | | | | 2.2 | 3.0 |
| ESE | 1.4 | 1.7 | .2 | .2 | | | | | | | | 2.5 | 3.7 |
| SE | 1.0 | 2.7 | 1.5 | .4 | | | | | | | | 2.1 | 3.5 |
| SSE | 2.7 | 3.2 | 2.4 | .5 | | | | | | | | 2.2 | 3.4 |
| S | 2.7 | 5.7 | 2.6 | .3 | | | | | | | | 11.2 | 3.2 |
| SSW | 2.5 | 2.7 | .9 | .3 | | | | | | | | 2.7 | 4.7 |
| SW | 1.1 | . | .2 | | | | | | | | | 1.2 | 3.9 |
| WSW | 1.1 | .3 | .3 | | | | | | | | | 1.7 | 3.9 |
| W | 2.3 | . | .3 | .2 | | | | | | | | 2.3 | 4.1 |
| WNW | . | .4 | .0 | | | | | | | | | 1.0 | 3.5 |
| NW | . | .2 | 1.2 | .2 | | | | | | | | 2.4 | 3.7 |
| NNW | .4 | .2 | .5 | .5 | | | | | | | | 2.2 | 3.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 27.6 | 31.2 | 14.2 | 4.9 | | | | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 630

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 1234 ELYTHEVILLE AFB AB YEARS 73-82 00°
STATION NAME CLASS BOOTH
ALL WEATHER 100-0000
CONDITION HOURS (LST)

| 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 | 0.6 | 3.5 | 1.4 | .3 | | | | | | | 12.7 | 0.6 |
| NNE | 0.2 | 1.7 | .5 | .2 | | | | | | | | 4.5 | 4.5 |
| NE | .5 | 1.2 | .3 | .1 | | | | | | | | 3.3 | 4.2 |
| ENE | 1.4 | .8 | .2 | | | | | | | | | 3.4 | 3.4 |
| E | .8 | .4 | | | | | | | | | | 3.1 | 2.8 |
| ESE | 1.4 | 1.3 | .2 | .1 | | | | | | | | 3.2 | 3.0 |
| SE | .5 | 2.4 | 1.5 | .5 | .1 | | | | | | | 5.2 | 6.2 |
| SSE | 2.4 | 4.4 | 2.7 | 1.2 | .1 | | | | | | | 10.5 | 6.0 |
| S | 2.2 | 5.4 | 2.8 | .4 | | | | | | | | 11.3 | 5.5 |
| SSW | 1.4 | 3.4 | 1.7 | .3 | | | | | | | | 6.7 | 5.1 |
| SW | .8 | .8 | .2 | | | | | | | | | 1.8 | 4.3 |
| WSW | .8 | .2 | .1 | | | | | | | | | 1.2 | 3.3 |
| W | 1.4 | .5 | .1 | | | | | | | | | 3.2 | 2.8 |
| WNW | .8 | .9 | .8 | .3 | .2 | | | | | | | 2.9 | 7.4 |
| NW | .8 | 1.3 | .6 | .1 | | | | | | | | 3.2 | 5.8 |
| NNW | .4 | 1.2 | 1.4 | .3 | | | | | | | | 3.3 | 6.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 21.2 | |
| | 21.1 | 22.0 | 15.5 | 5.1 | .9 | | | | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS 370

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 WEATHER SERVICE/AFAC

SURFACE WINDS

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

STATION PLYMOUTHVILLE AFB A STATION NAME PLYMOUTHVILLE AFB A YEARS 77-8 MONTH ALL

CLASS ALL WEATHER

HOURS (L.S.T.) ALL

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 | N | MEAN WIND SPEED |
|---------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------|
| N | 1.2 | 4.5 | 3.8 | 2.0 | .3 | | | | | | | 1.0 | 2.8 |
| NNE | 1.0 | 1.0 | 1.4 | .8 | .1 | | | | | | | .8 | 2.5 |
| NE | 1.0 | 1.0 | .4 | .1 | | | | | | | | .8 | 4.0 |
| ENE | 1.0 | .0 | .4 | .0 | | | | | | | | .8 | 4.3 |
| E | 1.0 | .0 | .4 | .0 | | | | | | | | .7 | 2.7 |
| ESE | 1.0 | 1.1 | .4 | .1 | | | | | | | | .8 | 4.4 |
| SE | 1.0 | 1.0 | 1.1 | .3 | .1 | | | | | | | .8 | 2.0 |
| SSE | .0 | .0 | 2.4 | 1.4 | .1 | | | | | | | .8 | 2.5 |
| S | 2.4 | 4.5 | 3.4 | 2.5 | .7 | | | | | | | 1.1 | 1.0 |
| SSW | 1.7 | 2.6 | 2.2 | 1.4 | .1 | .1 | | | | | | .8 | 7.0 |
| SW | .6 | 1.0 | .0 | .3 | .1 | | | | | | | .8 | 2.7 |
| WSW | .7 | .7 | .7 | .1 | .0 | | | | | | | .8 | 2.2 |
| W | 1.0 | 1.2 | .0 | .4 | .0 | .0 | | | | | | .8 | 2.5 |
| WNW | .7 | 1.0 | .9 | .4 | .0 | | | | | | | .8 | 2.5 |
| NW | .0 | .0 | 1.1 | .4 | .0 | | | | | | | .8 | 2.5 |
| NNW | .0 | 1.1 | 1.3 | .7 | .0 | | | | | | | .8 | 2.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.7 | |
| | 10.6 | 23.2 | 21.4 | 12.0 | 1.1 | .1 | | | | | | 17.7 | 2.4 |

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAJ

SURFACE WINDS

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

STATION PLYMOUTHVILLE AFB 4 YEARS 77-80 MONTH ALL
 CLASS ALL WEATHER PERIOD 1980-1980
 HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) D/R | 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 | 3.1 | 3.4 | 3.1 | .6 | | | | | | | 10.1 | 4.4 |
| NNE | .7 | 1.1 | 1.7 | 1.0 | .1 | | | | | | | 4.3 | 6.0 |
| NE | .7 | .6 | .7 | .4 | | | | | | | | 2.7 | 5.1 |
| ENE | .7 | .3 | .2 | | | | | | | | | 1.2 | 4.4 |
| E | 1.4 | 1.7 | .9 | | | | | | | | | 3.3 | 4.3 |
| ESE | 1.0 | 1.1 | .2 | .2 | | | | | | | | 2.3 | 4.6 |
| SE | .6 | 1.1 | 1.7 | .6 | | | | | | | | 3.7 | 6.7 |
| SSE | 1.0 | 2.4 | 1.1 | .7 | | | .1 | | | | | 4.2 | 5.3 |
| S | .2 | 4.3 | 2.8 | 2.8 | .7 | .3 | .1 | | | | | 14.3 | 7.8 |
| SSW | 1.1 | 2.4 | 2.3 | .9 | .1 | .1 | | | | | | 7.0 | 7.5 |
| SW | .7 | 1.5 | 1.0 | .2 | | | | | | | | 3.8 | 5.3 |
| WSW | .7 | 1.0 | .3 | .1 | | | | | | | | 2.2 | 3.3 |
| W | 1.0 | 2.1 | .7 | 1.3 | | | | | | | | 5.7 | 6.2 |
| WNW | .2 | 1.4 | .9 | .4 | | | | | | | | 3.7 | 6.2 |
| NW | .7 | 1.2 | .7 | .4 | | | | | | | | 3.0 | 5.2 |
| NNW | .7 | 1.0 | 1.0 | 1.1 | | | | | | | | 3.7 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.7 | |
| | 20.1 | 20.6 | 19.7 | 13.3 | 1.4 | .4 | .1 | | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS 700

U.S. AIR FORCE CLIMATOLOGY BRANCH
 AFM 7-10.1
 WEATHER SERVICE/AFAC

SURFACE WINDS

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

STATION WYTHEVILLE AFB A YEARS 73-8 MONTH NOV
 STATION NAME CLASS ALL WEATHER HOURS (L.S.T.)
 CONDITION

| SPEED (KNTS) DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|---------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 2.1 | 3.3 | 4.4 | 2.6 | .3 | | | | | | | 10.2 | 7.8 |
| NNE | .1 | 2.4 | .7 | 2.0 | | | | | | | | 5.2 | 7.5 |
| NE | | .7 | .7 | .4 | .1 | | | | | | | 1.2 | 2.7 |
| ENE | .7 | .7 | .2 | .3 | | | | | | | | 1.2 | 3.3 |
| E | .1 | 1.7 | .1 | .1 | | | | | | | | 2.0 | 3.6 |
| ESE | 1.1 | .7 | .2 | .1 | | | | | | | | 2.1 | 3.9 |
| SE | .1 | 1.7 | 1.2 | .6 | | | | | | | | 4.3 | 6.4 |
| SSE | 1.2 | 1.7 | 1.3 | 1.1 | | | | | | | | 6.3 | 4.1 |
| S | 1.1 | 4.4 | 3.4 | 1.4 | .7 | .2 | | | | | | 12.3 | 7.7 |
| SSW | 1.7 | 2.2 | 1.7 | 1.8 | .2 | .2 | | | | | | 7.0 | 7.4 |
| SW | .7 | .7 | .4 | .3 | .1 | | | | | | | 2.2 | 3.6 |
| WSW | .1 | 1.3 | 1.4 | .2 | | | | | | | | 3.0 | 4.4 |
| W | 1.1 | 1.9 | .9 | .6 | .1 | | | | | | | 5.1 | 5.5 |
| WNW | 1.7 | 2.1 | 1.4 | .4 | | | | | | | | 6.7 | 5.6 |
| NW | .1 | 1.6 | .9 | .3 | | | | | | | | 3.0 | 4.1 |
| NNW | 1.1 | .7 | .9 | .7 | | .1 | | | | | | 3.0 | 6.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.7 | |
| | 17.6 | 27.4 | 23.0 | 12.0 | 1.6 | .6 | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS 200

CENTRAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: LYNNEVILLE AFB A YEARS: 73-84 MONTH: NOV
 CLASS: ALL WEATHER HOURS (LST):
 CONDITION:

| SPEED (KNTS) DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|---------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------|
| N | 1.2 | 4.7 | 3.6 | 2.9 | .3 | | | | | | | 12.7 | 7.5 |
| NNE | .6 | 1.3 | 2.4 | 1.3 | | | | | | | | 2.6 | 7.7 |
| NE | .4 | .8 | .9 | .2 | .1 | | | | | | | 2.4 | 7.1 |
| ENE | .4 | 1.1 | .4 | .3 | | | | | | | | 2.3 | 6.8 |
| E | 2.1 | .6 | .7 | | | | | | | | | 3.3 | 3.7 |
| ESE | 1.1 | .6 | .4 | | | | | | | | | 1.1 | 4.1 |
| SE | 1.2 | 1.2 | 1.3 | .2 | | | | | | | | 4.0 | 5.4 |
| SSE | .7 | 2.4 | 1.6 | 1.1 | | | | | | | | 7.1 | 6.2 |
| S | 1.2 | 3.6 | 4.4 | 2.9 | .3 | .2 | | | | | | 12.7 | 8.4 |
| SSW | 1.5 | 2.7 | 2.4 | 1.4 | .4 | .1 | | | | | | 8.7 | 8.8 |
| SW | .7 | 1.3 | .8 | .1 | .1 | | | | | | | 2.3 | 6.2 |
| WSW | .7 | .4 | .6 | .4 | | | | | | | | 2.2 | 7.8 |
| W | 1.7 | 2.8 | 1.6 | .3 | | | | | | | | 6.2 | 5.5 |
| WNW | 1.7 | 1.6 | 1.1 | .4 | | | | | | | | 4.4 | 6.7 |
| NW | .8 | 1.4 | 1.2 | .3 | .2 | | | | | | | 4.2 | 6.4 |
| NNW | .7 | 1.7 | 1.7 | .6 | .1 | | | | | | | 4.2 | 7.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.3 | |
| | 1.2 | 25.2 | 24.6 | 12.7 | 1.7 | .3 | | | | | | 12.2 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS: 700

CENTRAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

1974-75 ELYTHEVILLE AFB AL 77-81 STATION NAME YEARS MONTH

ALL WEATHER CLASS

1970-1975 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 | 1.2 | 2.4 | 5.4 | .2 | | | | | | | 11.2 | 10.6 |
| NNE | .4 | 2.1 | 2.7 | 2.3 | .6 | | | | | | | 2.1 | 5.5 |
| NE | .2 | 1.3 | 1.2 | .4 | | | | | | | | 2.7 | 7.6 |
| ENE | .1 | 1.2 | 1.1 | .2 | .2 | | | | | | | 2.8 | 6.8 |
| E | .1 | .2 | .7 | .6 | | | | | | | | 2.6 | 7.0 |
| ESE | 1.1 | 1.0 | .9 | .4 | | | | | | | | 2.4 | 6.6 |
| SE | .1 | 1.1 | 1.9 | .4 | .1 | | | | | | | 4.3 | 7.3 |
| SSE | .1 | 1.7 | 1.4 | 1.6 | .1 | | | | | | | 2.2 | 6.4 |
| S | .3 | 3.2 | 7.0 | 3.4 | .7 | .3 | | | | | | 12.2 | 11.4 |
| SSW | .2 | 1.9 | 2.2 | 5.2 | .9 | | | | | | | 13.2 | 10.2 |
| SW | .2 | .7 | 2.4 | 1.1 | .3 | | | | | | | 4.2 | 9.7 |
| WSW | .7 | .9 | 1.0 | .3 | | | | | | | | 2.6 | 6.6 |
| W | .5 | .5 | 1.0 | .8 | .2 | | | | | | | 2.3 | 6.2 |
| WNW | .1 | 1.2 | 1.3 | 2.1 | | | | | | | | 1.0 | 6.9 |
| NW | .1 | 1.1 | 1.9 | 1.1 | .1 | | | | | | | 4.2 | 6.1 |
| NNW | .1 | .1 | 1.3 | 1.3 | | | | | | | | 3.3 | 6.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | .5 | 2.2 | 34.9 | 27.2 | 4.0 | .7 | | | | | | 12.2 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS 800

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 ALL WEATHER SER/ICE/MAC

SURFACE WINDS

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

STATION 722409 ELYTHEVILLE AFB AR YEARS 77-82 MONTH YEAR

CLASS ALL WEATHER HOURS (L S T) 1200-1400

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 | 2.3 | 4.1 | 4.0 | .2 | | | | | | | 12.2 | 9.7 |
| NNE | 1.0 | 1.1 | 1.9 | 2.3 | .1 | | | | | | | 6.4 | 6.5 |
| NE | 1.0 | 2.1 | 1.6 | .8 | | | | | | | | 6.4 | 6.3 |
| ENE | .7 | 1.3 | .6 | .7 | | | | | | | | 6.2 | 6.5 |
| E | .5 | .7 | .6 | .2 | | | | | | | | 6.2 | 6.5 |
| ESE | .5 | .4 | .5 | .1 | | | | | | | | 1.7 | 6.6 |
| SE | .4 | 1.4 | .3 | 1.0 | | | | | | | | 3.7 | 7.3 |
| SSE | .5 | 1.3 | 1.6 | 1.6 | .3 | .1 | | | | | | 7.4 | 7.3 |
| S | .9 | 2.2 | 5.3 | 5.0 | 1.0 | .5 | | | | | | 16.0 | 10.5 |
| SSW | .5 | 2.3 | 4.4 | 4.2 | 1.0 | .1 | | | | | | 13.2 | 10.0 |
| SW | .2 | 1.4 | 3.0 | 1.7 | .7 | | | | | | | 7.4 | 9.4 |
| WSW | .2 | .7 | 1.2 | .4 | .1 | | | | | | | 4.7 | 6.3 |
| W | .7 | 1.1 | 2.0 | 1.0 | .6 | | | | | | | 4.7 | 9.3 |
| WNW | .4 | .7 | 1.9 | 2.9 | | | | | | | | 6.7 | 10.2 |
| NW | .5 | 1.4 | .7 | 1.2 | | | | | | | | 6.2 | 8.8 |
| NNW | .7 | 1.0 | 1.2 | .7 | .1 | | | | | | | 3.7 | 7.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.7 | |
| | 0.6 | 21.7 | 31.7 | 18.6 | 4.1 | .4 | | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS 600

FEDERAL BUREAU OF SURVEY
 NATIONAL CLIMATOLOGY BRANCH
 WASHINGTON, D. C. 20541
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 123456 SLYTHEVILLE AFB AB STATION NAME 73-80 YEARS NDW
 MONTH 1500-1700
 CLASS ALL WEATHER
 HOURS (L.S.T.)
 CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|-----------------|
| N | 2.0 | 2.0 | 3.6 | 1.4 | .1 | | | | | | | 11.2 | 4.4 |
| NNE | .7 | 2.0 | 3.2 | 2.1 | | | | | | | | 8.2 | 3.2 |
| NE | 1.2 | 2.2 | 1.2 | .2 | | | | | | | | 4.9 | 3.3 |
| ENE | .5 | 1.4 | .4 | .2 | | | | | | | | 2.7 | 2.2 |
| E | 1.1 | .8 | .3 | .2 | | | | | | | | 2.7 | 4.5 |
| ESE | .5 | 1.0 | | .1 | | | | | | | | 1.7 | 4.7 |
| SE | .7 | 1.1 | 1.4 | .4 | .1 | .1 | | | | | | 3.7 | 7.7 |
| SSE | 1.4 | 1.4 | 1.6 | 1.1 | | | | | | | | 2.6 | 7.0 |
| S | 1.3 | 3.8 | 5.8 | 4.6 | .6 | | | | | | | 18.1 | 8.9 |
| SSW | .5 | 3.5 | 4.3 | 3.0 | .5 | .1 | | | | | | 11.5 | 9.2 |
| SW | .2 | 1.7 | .7 | .4 | .1 | | | | | | | 3.2 | 6.9 |
| WSW | 1.0 | .7 | 1.0 | .6 | .1 | | | | | | | 3.6 | 7.1 |
| W | .4 | 1.4 | .6 | 1.4 | .1 | .1 | | | | | | 4.1 | 6.2 |
| WNW | .1 | .5 | 1.0 | 2.3 | .2 | | | | | | | 3.9 | 9.4 |
| NW | .4 | .7 | 1.3 | 1.1 | .1 | | | | | | | 3.7 | 9.0 |
| NNW | 1.1 | .7 | 1.0 | .7 | | | | | | | | 3.5 | 6.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.6 | |
| | 1.6 | 25.2 | 23.3 | 12.0 | 2.0 | .3 | | | | | | 10.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS 400

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 ALL WEATHER SERVICE/HAC

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

SURFACE WINDS

STATION PLYTHEVILLE AFB AL YEARS 71-80 MONTH Yr
 CLASS ALL WEATHER HOURS (LST) 1 00-2000
 CONDITION _____

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|-------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 3.0 | 7.3 | 3.1 | 2.3 | .0 | | | | | | | 1.1 | 3.1 |
| NNE | 1.1 | 2.2 | 1.2 | .0 | | | | | | | | 0.5 | 0.6 |
| NE | .1 | 1.4 | .7 | .2 | | | | | | | | 0.1 | 0.3 |
| ENE | 1.7 | 1.4 | .1 | | | | | | | | | 0.7 | 0.3 |
| E | 5.2 | 1.1 | .4 | .3 | | | | | | | | 4.7 | 4.3 |
| ESE | 1.1 | . | .2 | .1 | | | | | | | | 1.2 | 4.0 |
| SE | .7 | 1.1 | 1.4 | .6 | .1 | | | | | | | 4.0 | 7.5 |
| SSE | .3 | 2.6 | 1.3 | .5 | .1 | | | | | | | 7.1 | 3.0 |
| S | 3.1 | 5.2 | 4.4 | 1.2 | .7 | | | | | | | 11.2 | 6.4 |
| SSW | 1.2 | 2.7 | 1.6 | .7 | | | | | | | | 1.0 | 0.8 |
| SW | .2 | .0 | .3 | .3 | | | | | | | | 2.4 | 0.4 |
| WSW | .1 | . | .1 | .3 | .2 | | | | | | | 1.3 | 0.3 |
| W | 1.4 | .0 | .3 | .7 | .3 | | | | | | | 4.1 | 7.0 |
| WNW | .0 | 1.7 | 1.1 | .3 | .2 | | | | | | | 4.1 | 0.8 |
| NW | .7 | .0 | 1.1 | .3 | .2 | | | | | | | 3.0 | 0.5 |
| NNW | 1.0 | .0 | .5 | .4 | .1 | | | | | | | 3.4 | 7.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 21.0 | 21.7 | 21.0 | 2.0 | 2.4 | | | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS 400

CENTRAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE / IAC

SURFACE WINDS

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

STATION 122900 WESTHILL AFB A STATION NAME 77-92 YEARS 4 MONTH NOV

ALL WEATHER
CLASS

1100-2400
HOURS (L & 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 | 4.7 | 3.1 | 2.7 | .4 | | | | | | | 1.1 | 6.0 |
| NNE | .2 | 1.2 | 1.0 | 1.1 | .1 | .1 | | | | | | 2.2 | 7.2 |
| NE | .1 | 1.3 | .4 | .4 | | | | | | | | 2.1 | 6.3 |
| ENE | 1.1 | .2 | .3 | | | | | | | | | 2.3 | 4.2 |
| E | 2.1 | .2 | .3 | | | | | | | | | 2.2 | 2.3 |
| ESE | 1.1 | .2 | .4 | .1 | | | | | | | | 2.2 | 4.7 |
| SE | 1.1 | .2 | .7 | .9 | | | | | | | | 2.2 | 7.1 |
| SSE | 1.2 | 2.2 | 1.6 | 1.7 | .1 | .1 | .1 | | | | | 3.3 | 7.1 |
| S | 4.2 | 4.0 | 4.4 | 2.4 | .8 | | | | | | | 18.2 | 7.1 |
| SSW | 1.2 | 2.1 | 2.7 | .9 | | | | | | | | 7.1 | 6.2 |
| SW | .7 | .2 | .2 | | | .1 | | | | | | 1.2 | 6.4 |
| WSW | .3 | .2 | .4 | .4 | | .1 | | | | | | 2.1 | 7.2 |
| W | 1.2 | 1.1 | 1.3 | .4 | .4 | | | | | | | 2.0 | 7.5 |
| WNW | .7 | .7 | .3 | .4 | .1 | | | | | | | 2.4 | 6.2 |
| NW | .4 | .7 | 1.2 | .3 | | | | | | | | 2.7 | 6.9 |
| NNW | .4 | 1.4 | 1.2 | .6 | .1 | | | | | | | 3.2 | 7.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.9 | |
| | 2.3 | 24.9 | 21.4 | 11.8 | 2.1 | .4 | .1 | | | | | 100.0 | 5.6 |

TOTAL NUMBER OF OBSERVATIONS 970

USAF CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAO

SURFACE WINDS

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

STATION PLYMOUTHVILLE AFB AF YEARS 77-82 MONTH ALL
 STATION NAME PLYMOUTHVILLE AFB AF CLASS ALL WEATHER HOURS (LST) ALL
 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 | 3.2 | 3.6 | 7.4 | .4 | | | | | | | 12.4 | 6.2 |
| NNE | .7 | 1.8 | 2.7 | 1.6 | .1 | .7 | | | | | | 7.4 | 6.4 |
| NE | .7 | 1.7 | 1.7 | .4 | .7 | | | | | | | 7.7 | 6.4 |
| ENE | .7 | 1.1 | .4 | .7 | .7 | | | | | | | 7.7 | 5.4 |
| E | 1.7 | .9 | .5 | .7 | | | | | | | | 7.2 | 4.4 |
| ESE | 1.1 | .7 | .4 | .7 | | | | | | | | 7.7 | 4.4 |
| SE | .7 | 1.7 | 1.3 | .6 | .7 | .7 | | | | | | 7.7 | 5.9 |
| SSE | 1.7 | 2.7 | 1.4 | 1.1 | .1 | .7 | .7 | | | | | 7.3 | 6.9 |
| S | .7 | 4.2 | 4.7 | 7.7 | .5 | .7 | .7 | | | | | 14.7 | 6.3 |
| SSW | 1.1 | 2.4 | 3.1 | 2.7 | .4 | .1 | .7 | | | | | 7.5 | 6.5 |
| SW | .7 | 1.7 | 1.1 | .5 | .2 | .7 | .7 | | | | | 7.4 | 7.7 |
| WSW | .7 | .4 | .8 | .4 | .1 | .7 | .7 | | | | | 7.7 | 7.1 |
| W | 1.1 | 1.5 | 1.2 | .8 | .7 | .7 | .7 | | | | | 7.7 | 7.2 |
| WNW | .7 | 1.7 | 1.2 | 1.2 | .1 | .7 | .7 | | | | | 7.7 | 7.6 |
| NW | .7 | 1.7 | 1.1 | .7 | .1 | .7 | .7 | | | | | 7.4 | 7.7 |
| NNW | .7 | 1.7 | 1.1 | .7 | .1 | .7 | .7 | | | | | 7.7 | 7.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.7 | |
| | 1.7 | 25.5 | 25.0 | 17.2 | 2.4 | .4 | .7 | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 7200

FEDERAL BUREAU OF SURVEY
 METAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

122405 0000Z 01 FEB 54 77-9 STATION NAME STATION NAME YEARS MONTH

ALL WEATHER CLASS

1000-2000 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 | 4.0 | 4.3 | 3.7 | 1.5 | .1 | | | | | | 14.5 | 2.4 |
| NNE | 1.2 | 1.4 | 1.7 | .8 | .1 | | | | | | | 2.2 | 7.2 |
| NE | 1.2 | 1.2 | .7 | | | | | | | | | 2.2 | 4.2 |
| ENE | .2 | .2 | .3 | | | | | | | | | 1.2 | 4.2 |
| E | 1.5 | 1.7 | .3 | | | | | | | | | 2.2 | 2.7 |
| ESE | .1 | 1.2 | | | | | | | | | | 1.7 | 3.9 |
| SE | .2 | 1.7 | 1.0 | .2 | .3 | .2 | | | | | | 4.2 | 2.2 |
| SSE | 1.1 | 2.1 | 3.0 | 1.5 | .3 | .2 | | | | | | 12.2 | 7.2 |
| S | 2.3 | 4.1 | 4.8 | 3.7 | .5 | .2 | | | | | | 14.2 | 2.1 |
| SSW | 1.2 | 2.7 | 4.1 | 2.3 | | | | | | | | 12.2 | 7.2 |
| SW | .2 | 1.2 | 1.1 | .5 | .1 | | | | | | | 2.2 | 2.9 |
| WSW | .2 | .2 | .1 | .5 | | | | | | | | 1.2 | 2.2 |
| W | .1 | 1.2 | 1.2 | 1.2 | | | | | | | | 4.4 | 7.2 |
| WNW | .2 | .7 | .2 | .6 | | | | | | | | 1.7 | 4.2 |
| NW | .4 | 1.2 | 1.2 | 1.7 | .2 | .1 | | | | | | 4.2 | 2.1 |
| NNW | .2 | 1.2 | .8 | 1.4 | | | | | | | | 4.4 | 7.2 |
| VARBL | | | | | | | | | | | | 12.2 | |
| CALM | | | | | | | | | | | | 12.2 | |
| | 24.2 | 27.7 | 4.6 | 17.4 | 3.1 | .2 | | | | | | 100.0 | 2.7 |

TOTAL NUMBER OF OBSERVATIONS 17

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

123456 STATION PLYMOUTHVILLE AFB AT 77-82 YEARS MONTHS

ALL HEATED
 CLASS

100-000
 HOURS (LST)

CONDITION

| SPEED (KNTS) DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|---------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 1.2 | 7.3 | 3.4 | 4.4 | .7 | | | | | | | 1.7 | 6.1 |
| NNE | .1 | 1.3 | 1.7 | .4 | | | | | | | | .5 | 6.2 |
| NE | 1.1 | 1.1 | .6 | | | | | | | | | 1.7 | 4.9 |
| ENE | .3 | .6 | .2 | | | | | | | | | 1.1 | 4.1 |
| E | 1.3 | .7 | | | | | | | | | | .7 | 3.3 |
| ESE | 1.2 | 1.3 | .1 | | .1 | | | | | | | 1.7 | 4.2 |
| SE | .1 | 2.1 | .9 | .2 | .1 | | | | | | | 1.7 | 6.2 |
| SSE | .3 | 2.7 | 3.7 | 1.3 | .3 | | | | | | | 7.1 | 7.7 |
| S | 1.7 | 4.2 | 6.3 | 1.9 | .5 | .1 | | | | | | 14.4 | 7.6 |
| SSW | 1.7 | 3.1 | 4.2 | 1.7 | .1 | | | | | | | 11.9 | 7.4 |
| SW | 1.0 | 1.1 | .5 | .5 | | | | | | | | 3.1 | 6.1 |
| WSW | .2 | .5 | .4 | .6 | | | | | | | | 1.6 | 7.2 |
| W | .6 | 1.1 | 1.5 | .9 | .1 | | | | | | | 4.3 | 5.0 |
| WNW | .5 | 1.1 | 1.4 | 1.7 | .3 | | | | | | | 4.7 | 6.9 |
| NW | .4 | 1.3 | 1.6 | .8 | .1 | | | | | | | 4.2 | 7.7 |
| NNW | .4 | 1.0 | 1.7 | 1.1 | .1 | .1 | | | | | | 3.3 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.5 | |
| | 1.2 | 27.5 | 26.9 | 14.9 | 7.7 | .2 | | | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS 970

FEDERAL CLIMATOLOGY BRANCH
 WPC/TAC
 AIR WEATHER SERVICE/440

SURFACE WINDS

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

722455 STATION 123456 WYTHSVILLE AFB A 77-80 YEARS 0-0

ALL WEATHER
 CLASS

1000-0000
 HOURS U.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 | 3.3 | 5.2 | 4.1 | .6 | | | | | | | 14.0 | 6.5 |
| NNE | 1.2 | .9 | 1.0 | .6 | .1 | | | | | | | 3.8 | 6.5 |
| NE | 1.1 | 1.3 | 1.1 | .1 | | | | | | | | 3.6 | 6.7 |
| ENE | | .4 | .5 | | | | | | | | | 1.7 | 6.7 |
| E | 1.1 | 1.2 | | | | | | | | | | 2.3 | 6.5 |
| ESE | .6 | 1.4 | .3 | .1 | | | | | | | | 2.4 | 6.7 |
| SE | 1.2 | 1.6 | 1.5 | .4 | .1 | | | | | | | 4.8 | 6.4 |
| SSE | 1.7 | 3.0 | 2.4 | 1.8 | | | | | | | | 5.1 | 7.2 |
| S | 1.3 | 2.8 | 4.4 | 2.8 | .5 | | | | | | | 13.4 | 6.2 |
| SSW | 1.7 | 3.3 | 2.7 | 1.7 | .1 | | | | | | | 7.9 | 7.2 |
| SW | .7 | .9 | .9 | .5 | | | | | | | | 2.9 | 6.5 |
| WSW | 1.1 | .5 | .6 | | | | | | | | | 2.7 | 6.4 |
| W | .7 | 1.6 | 1.3 | .4 | | | | | | | | 3.0 | 6.6 |
| WNW | .7 | 1.3 | 2.3 | .9 | .4 | | | | | | | 4.6 | 6.9 |
| NW | .4 | 1.7 | 1.8 | 1.4 | | | | | | | | 5.4 | 6.1 |
| NNW | .6 | 1.4 | 1.4 | 1.4 | .3 | | | | | | | 5.4 | 6.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 17.2 | 26.7 | 20.7 | 16.3 | 2.3 | | | | | | | 100.0 | 6.2 |

TOTAL NUMBER OF OBSERVATIONS

77

GENERAL CLIMATOLOGY BRANCH
 USAF/TAC
 ALL WEATHER SERVICE/MAC

SURFACE WINDS

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

123456 STATION 07LYTHEVILLE AFB AT 77-82 YEARS MONTH

ALL WEATHER
 CLASS

1960-1961
 HOURS (LST)

CONDITION

| SPEED (KNTS) DIR. | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|----------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | .0 | 1.7 | 0.1 | 4.6 | .0 | .0 | | | | | | 10.2 | 10.4 |
| NNE | .0 | 1.7 | 1.7 | 1.5 | .0 | | | | | | | 7.0 | 6.1 |
| NE | .0 | 1.2 | 1.2 | .4 | | | | | | | | 7.0 | 6.6 |
| ENE | .0 | 1.0 | .6 | .3 | | | | | | | | 2.4 | 6.0 |
| E | 1.0 | 1.4 | .6 | .3 | | | | | | | | 1.7 | 6.4 |
| ESE | .0 | .0 | .5 | .2 | | | | | | | | 1.0 | 6.0 |
| SE | .0 | .0 | 2.5 | .5 | | | | | | | | 3.0 | 7.0 |
| SSE | .0 | 2.7 | 2.7 | 3.2 | .7 | | | | | | | 8.3 | 6.4 |
| S | .0 | 1.0 | 4.2 | 8.5 | 1.0 | .0 | | | | | | 14.1 | 10.4 |
| SSW | .0 | 1.7 | 5.5 | 2.7 | .1 | | | | | | | 10.6 | 8.9 |
| SW | .0 | .0 | 1.3 | 1.5 | | | | | | | | 4.3 | 6.5 |
| WSW | .0 | 1.0 | .9 | .3 | .1 | | | | | | | 3.3 | 6.1 |
| W | .0 | 1.1 | 1.9 | .9 | .2 | | | | | | | 4.4 | 6.5 |
| WNW | .0 | 1.0 | 1.4 | 1.9 | .1 | | | | | | | 4.7 | 9.3 |
| NW | .4 | .4 | 2.0 | 1.6 | 1.0 | | | | | | | 7.5 | 11.1 |
| NNW | .3 | .0 | 2.0 | 1.7 | .2 | | | | | | | 5.1 | 7.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.4 | |
| | 4.7 | 20.2 | 33.0 | 3.2 | 4.7 | .4 | | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS 430

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

123456 STATION WINTHROP, AFB A- 72-92 YEARS 265 MONTH
 CLASS ALL WEATHER 1000-1400 HOURS (LST)
 CONDITION

| SPEED (KNTS) DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|---------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | .0 | 1.0 | 5.7 | 3.4 | 1.2 | .2 | | | | | | 13.0 | 3.7 |
| NNE | .2 | 2.0 | 2.5 | 1.1 | .3 | | | | | | | 7.4 | 7.5 |
| NE | 1.1 | .0 | .4 | .1 | | | | | | | | 2.4 | 5.2 |
| ENE | .0 | .0 | .1 | .2 | | | | | | | | 1.0 | 3.3 |
| E | .0 | .0 | .8 | .1 | | | | | | | | 1.2 | 3.3 |
| ESE | .0 | .4 | .3 | | | | | | | | | 1.3 | 4.5 |
| SE | .0 | .7 | 1.2 | .5 | | | | | | | | 2.1 | 7.1 |
| SSE | .0 | .0 | 1.4 | 2.7 | .7 | | | | | | | 2.7 | 1.2 |
| S | .0 | 1.0 | 3.4 | 6.7 | 2.0 | | | | | | | 14.1 | 11.7 |
| SSW | 1.2 | 2.4 | 4.5 | 5.3 | .9 | .1 | | | | | | 14.1 | 1.2 |
| SW | .4 | 1.2 | 1.6 | 2.2 | .4 | .1 | | | | | | 2.1 | 5.9 |
| WSW | .4 | .5 | 1.2 | .4 | .2 | | | | | | | 2.2 | 3.3 |
| W | .4 | 1.7 | 1.6 | 1.4 | .2 | | | | | | | .4 | 3.2 |
| WNW | .4 | .5 | 1.3 | 1.3 | | | | | | | | 1.7 | 3.7 |
| NW | .0 | 1.1 | 3.0 | 2.0 | .4 | | | | | | | 7.1 | 3.5 |
| NNW | .4 | 1.2 | 1.0 | 1.7 | .2 | .1 | | | | | | 4.6 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.5 | 13.7 | 31.2 | 22.0 | 7.3 | .5 | | | | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS 930

JOINT CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/NAO

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

SURFACE WINDS

12-14-52 WYTHEVILLE AFB AR 72-52 1952
 STATION STATION NAME YEARS

ALL WEATHER 1952-1952
 CLASS MONTHS

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 | 3.4 | 4.7 | 3.6 | 1.5 | | | | | | | 1.4 | 9.2 |
| NNE | .0 | 1.5 | 2.0 | 1.1 | | | | | | | | .7 | 7.5 |
| NE | .0 | 1.0 | .3 | .1 | | | | | | | | .4 | 5.1 |
| ENE | .0 | 1.7 | .6 | | | | | | | | | .7 | 5.7 |
| E | .0 | 1.1 | .7 | .2 | | | | | | | | .4 | 5.7 |
| ESE | .0 | .5 | .9 | .7 | | | | | | | | .7 | 6.0 |
| SE | .0 | 1.2 | .5 | 1.1 | | | | | | | | .3 | 6.7 |
| SSE | .0 | 1.6 | 2.8 | 2.2 | .1 | | | | | | | .7 | 9.0 |
| S | 1.0 | 3.7 | 4.2 | 3.7 | .3 | .0 | | | | | | 1.3 | 8.0 |
| SSW | 1.1 | 2.7 | 4.7 | 3.3 | | | | | | | | 1.1 | 6.0 |
| SW | 1.2 | 1.7 | 2.2 | .9 | .4 | .1 | | | | | | .7 | 7.5 |
| WSW | .3 | 1.3 | .6 | .2 | | .1 | | | | | | .5 | 6.9 |
| W | 1.1 | 1.3 | 2.3 | 1.7 | .1 | | | | | | | .7 | 7.4 |
| WNW | .0 | .0 | 1.9 | .4 | .1 | | | | | | | .2 | 9.7 |
| NW | .4 | .5 | 1.8 | 1.5 | .7 | | | | | | | .5 | 9.5 |
| NNW | .0 | 1.2 | .9 | 1.4 | .1 | .1 | | | | | | .1 | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 11.7 | 26.4 | 31.0 | 21.1 | 2.7 | .5 | | | | | | 1.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS 279

FEDERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAO

SURFACE WINDS

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

127400 DLYTHEVILLE AFB AR 77-52 0-00
 STATION NAME STATION YEAR MONTH
 ALL WEATHER CLASS 1000-2000 HOURS (LST)
 CONDITION

| SPEED (KNTS) DIR | 1-3 | 4-6 | 7-10 | 11-16 | 17-21 | 22-27 | 28-33 | 34-40 | 41-47 | 48-55 | ≥56 | % | MEAN WIND SPEED |
|---------------------|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-----------------|
| N | 2.7 | 5.0 | 2.0 | 2.9 | 1.5 | .1 | | | | | | 10.0 | 6.5 |
| NNE | 1.7 | 3.0 | 1.0 | 1.1 | .1 | | | | | | | 6.9 | 6.0 |
| NE | 1.2 | 1.2 | .2 | | | | | | | | | 4.7 | 4.0 |
| ENE | 1.1 | .7 | .2 | | | | | | | | | 1.9 | 3.3 |
| E | 1.1 | 1.5 | .4 | .2 | .1 | | | | | | | 2.3 | 3.3 |
| ESE | .2 | 1.1 | .5 | | | | | | | | | 2.8 | 4.5 |
| SE | .6 | 1.1 | .6 | 1.0 | | | | | | | | 3.3 | 7.4 |
| SSE | 1.0 | 2.3 | 2.8 | 2.6 | .1 | | | | | | | 7.3 | 6.0 |
| S | 1.8 | 3.4 | 4.6 | 3.3 | .2 | | | | | | | 14.2 | 7.0 |
| SSW | 1.1 | 2.7 | 2.7 | 1.1 | | | | | | | | 7.9 | 6.9 |
| SW | .9 | 1.1 | .6 | .4 | .1 | | | | | | | 2.9 | 7.1 |
| WSW | .2 | .2 | .1 | .1 | | | | | | | | 1.0 | 4.4 |
| W | .7 | 1.2 | .4 | .4 | .1 | | | | | | | 2.7 | 6.4 |
| WNW | .4 | 1.2 | 1.7 | .9 | .7 | | | | | | | 4.5 | 6.0 |
| NW | .3 | .9 | 1.7 | 1.1 | .7 | | | | | | | 4.1 | 6.5 |
| NNW | .7 | 1.3 | 1.1 | 1.6 | .2 | | | | | | | 4.7 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.9 | |
| | 7.8 | 30.3 | 21.0 | 15.6 | 3.2 | .1 | | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS 927

FEDERAL AVIATION ADMINISTRATION
 METEOROLOGICAL SERVICE/7540

SURFACE WINDS

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

STATION: PLYTHEVILLE AFB YEARS: 77-8 MONTH: 00
 CLASS: ALL WEATHER HOURS (L.S.T.): 120-2300
 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 | 3.4 | 4.0 | 7.7 | 1.9 | .7 | | | | | | 14.2 | 4.4 |
| NNE | 1.4 | 2.9 | 1.5 | 1.0 | .2 | | | | | | | 7.0 | 3.5 |
| NE | .1 | 1.0 | .1 | | | | | | | | | 2.2 | 1.1 |
| ENE | 1.0 | .1 | | | | | | | | | | 1.0 | 1.0 |
| E | .1 | 1.1 | .5 | .1 | | | | | | | | 2.8 | 4.9 |
| ESE | 1.0 | .2 | .2 | | .1 | | | | | | | 1.5 | 3.7 |
| SE | .5 | 1.2 | .9 | .8 | | .1 | | | | | | 3.5 | 7.8 |
| SSE | 1.2 | 2.4 | 2.6 | 2.8 | .7 | .2 | | | | | | 11.7 | 6.7 |
| S | 1.2 | 4.5 | 5.1 | 3.9 | .4 | | | | | | | 14.5 | 7.0 |
| SSW | .1 | 1.5 | 3.6 | 1.7 | .1 | | | | | | | 7.0 | 5.4 |
| SW | .1 | 1.1 | .6 | .6 | .1 | | | | | | | 3.1 | 7.4 |
| WSW | .1 | .5 | .8 | .4 | | | | | | | | 1.8 | 7.1 |
| W | .1 | 1.1 | .6 | .6 | | | | | | | | 3.0 | 5.7 |
| WNW | .1 | 1.2 | .3 | 1.2 | .7 | | | | | | | 3.5 | 7.1 |
| NW | .1 | .3 | 1.2 | 1.4 | | | | | | | | 2.9 | 7.4 |
| NNW | .1 | 1.7 | 1.3 | 1.6 | .7 | | | | | | | 5.7 | 9.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.1 | |
| | 17.0 | 26.5 | 23.7 | 17.8 | 7.2 | .6 | | | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS: 927

U.S. AIR FORCE
 METEOROLOGICAL BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAO

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

SURFACE WINDS

07406 STATION LYNNEVILLE AFB AR YEARS 77-81 0 MONTH 0

CLASS ALL WEATHER HOURS 11 5 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 | 3.2 | 4.4 | 3.8 | 1.7 | .1 | | | | | | 17.5 | 1.6 |
| NNE | 1.1 | 1.0 | 1.6 | .9 | .1 | | | | | | | 2.6 | 7.0 |
| NE | . | 1.1 | .5 | .1 | | | | | | | | 2.7 | 2.7 |
| ENE | .7 | .9 | .4 | .1 | | | | | | | | 2.0 | 4.0 |
| E | 1.0 | 1.1 | .4 | .1 | .0 | | | | | | | 2.5 | 4.7 |
| ESE | .7 | 1.1 | .4 | .1 | .0 | | | | | | | 2.2 | 6.0 |
| SE | .7 | 1.3 | 1.1 | .6 | .1 | .1 | | | | | | 2.7 | 7.7 |
| SSE | .0 | 2.7 | 2.5 | 2.2 | .2 | .1 | | | | | | 2.2 | 2.4 |
| S | 1.0 | 3.6 | 4.6 | 3.7 | .7 | .1 | | | | | | 18.1 | 2.8 |
| SSW | 1.1 | 2.6 | 4.7 | 2.5 | .2 | .0 | | | | | | 13.3 | 2.2 |
| SW | .0 | 1.2 | 1.1 | .9 | .1 | .0 | | | | | | 3.1 | 7.8 |
| WSW | .7 | .0 | .5 | .3 | .0 | .0 | | | | | | 2.4 | 6.4 |
| W | .0 | 1.4 | 1.3 | .0 | .1 | | | | | | | 2.8 | 7.6 |
| WNW | .0 | .0 | 1.5 | 1.7 | .2 | | | | | | | 2.7 | 9.0 |
| NW | .0 | 1.0 | 1.7 | 1.4 | .3 | .0 | | | | | | 4.9 | 9.0 |
| NNW | .0 | 1.4 | 1.3 | 1.5 | .2 | .0 | | | | | | 2.8 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .4 | |
| | 13.7 | 25.5 | 27.4 | 20.1 | 3.6 | .4 | | | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS 7437

CENTRAL CLIMATOLOGY BRANCH
 AFPLTAC
 AF WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 123456 PLYTHEVILLE AFB AR STATION NAME 77-82 YEARS ALL MONTH ALL

CLASS ALL WEATHER HOURS (L & T) ALL

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 | 3.3 | 3.3 | 2.7 | .5 | .1 | .0 | .0 | | | | 11.6 | 6.3 |
| NNE | 1.1 | 2.1 | 2.0 | 1.1 | .1 | .0 | .0 | | | | | 6.4 | 7.1 |
| NE | 1.0 | 1.5 | 1.1 | .4 | .0 | .0 | | | | | | 4.1 | 6.0 |
| ENE | 1.1 | 1.4 | .7 | .2 | .0 | .0 | | | | | | 3.0 | 5.0 |
| E | 1.5 | 1.5 | .8 | .2 | .0 | .0 | | | | | | 3.7 | 4.5 |
| ESE | 1.0 | 1.2 | .5 | .1 | .0 | .0 | .0 | | | | | 3.0 | 5.2 |
| SE | .9 | 1.0 | 1.1 | .5 | .1 | .0 | .0 | | | | | 4.1 | 6.6 |
| SSE | 1.4 | 2.6 | 1.8 | 1.0 | .1 | .0 | .0 | | | | | 6.9 | 6.9 |
| S | 1.8 | 4.1 | 4.1 | 2.9 | .6 | .1 | .0 | .0 | | | | 13.7 | 8.2 |
| SSW | 1.7 | 2.7 | 3.0 | 1.9 | .3 | .1 | .2 | | | | | 10.4 | 6.0 |
| SW | .7 | 1.3 | 1.3 | .7 | .1 | .0 | .0 | | | | | 4.0 | 7.5 |
| WSW | .7 | .6 | .9 | .4 | .1 | .0 | | | | | | 3.7 | 6.8 |
| W | .5 | 1.2 | .9 | .7 | .1 | .0 | | | | | | 3.0 | 7.3 |
| WNW | .5 | .8 | .9 | .6 | .1 | .0 | | | | | | 4.7 | 7.7 |
| NW | .5 | .0 | .9 | .6 | .1 | .0 | | | | | | 4.6 | 7.0 |
| NNW | .5 | 1.1 | 1.2 | .8 | .2 | .0 | | .0 | | | | 5.1 | 6.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.4 | |
| | 17.6 | 7.8 | 24.5 | 14.8 | 2.3 | .5 | .7 | .0 | | | | 17.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS 67072

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

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

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

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

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1949. 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 5/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | |
|-------------------|----------------------------|---|---|---|------|---|------|------|------|------|
| | 10 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | 0 | 0 |
| NO CEILING | | | | | | | | | | |
| 1800 | | | | | | | | | | |
| 1500 | | | | | 91.0 | | | | | 92.0 |
| 1200 | | | | | | | | | | |
| 1000 | | | | | | | | | | |
| 800 | | | | | | | | | | |
| 600 | | | | | | | | | | |
| 700 | | | | | | | | | | |
| 600 | | | | | | | | | | |
| 500 | | | | | | | | 97.4 | | 98.1 |
| 400 | | | | | | | | | | |
| 300 | | | | | | | | | | |
| 200 | | | | | | | | | | |
| 100 | | | | | | | | | | |
| 0 | | | | | 95.4 | | 96.9 | | 98.3 | |

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

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

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

ADDITIONAL EXAMPLES

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

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

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

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

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

LOCAL METEOROLOGICAL BRANCH
 METAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: WYTHEVILLE AFB, VA

PERIOD: 73-00

JA

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

11-2-1950

| CEILING | 4000 | 3500 | 3000 | 2500 | 2000 | 1500 | 1000 | 500 | 0 | 4000 | 3500 | 3000 | 2500 | 2000 | 1500 | 1000 | 500 | 0 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 4000 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| 3500 | 51.0 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| 3000 | 51.0 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| 2500 | 51.1 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| 2000 | 51.6 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 1500 | 51.9 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| 1000 | 54.6 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| 500 | 57.5 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| 0 | 58.2 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| 4000 | 60.7 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| 3500 | 60.7 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| 3000 | 61.5 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| 2500 | 63.0 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| 2000 | 63.7 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 | 65.0 |
| 1500 | 64.6 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| 1000 | 66.1 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| 500 | 67.4 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| 0 | 68.4 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| 4000 | 70.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 3500 | 70.2 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| 3000 | 71.5 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| 2500 | 72.8 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| 2000 | 73.7 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| 1500 | 74.6 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| 1000 | 75.4 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 500 | 75.6 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| 0 | 76.2 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| 4000 | 76.3 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 3500 | 77.0 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| 3000 | 77.1 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| 2500 | 77.5 | 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 | 78.8 | 78.8 | 78.8 |
| 2000 | 77.5 | 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 | 78.8 | 78.8 | 78.8 |
| 1500 | 77.5 | 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 | 78.8 | 78.8 | 78.8 |
| 1000 | 77.5 | 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 | 78.8 | 78.8 | 78.8 |
| 500 | 77.5 | 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 | 78.8 | 78.8 | 78.8 |
| 0 | 77.5 | 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 | 78.8 | 78.8 | 78.8 |

TOTAL NUMBER OF OBSERVATIONS 720

METEOROLOGICAL CLIMATE LOG BRANCH
 METAG
 AIR WEATHER SERVICE/TAG

CEILING VERSUS VISIBILITY

STATION WYTHEVILLE AFB A

YEAR 1965

PAGE 16

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

FORM 510-1-57

| | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 43.0 | 43.1 | 43.2 | 43.3 | 43.4 | 43.5 | 43.6 | 43.7 | 43.8 | 43.9 | 44.0 | 44.1 | 44.2 | 44.3 | 44.4 | 44.5 | 44.6 | 44.7 |
| 44.8 | 44.9 | 45.0 | 45.1 | 45.2 | 45.3 | 45.4 | 45.5 | 45.6 | 45.7 | 45.8 | 45.9 | 46.0 | 46.1 | 46.2 | 46.3 | 46.4 | 46.5 |
| 47.6 | 47.7 | 47.8 | 47.9 | 48.0 | 48.1 | 48.2 | 48.3 | 48.4 | 48.5 | 48.6 | 48.7 | 48.8 | 48.9 | 49.0 | 49.1 | 49.2 | 49.3 |
| 49.4 | 49.5 | 49.6 | 49.7 | 49.8 | 49.9 | 50.0 | 50.1 | 50.2 | 50.3 | 50.4 | 50.5 | 50.6 | 50.7 | 50.8 | 50.9 | 51.0 | 51.1 |
| 51.2 | 51.3 | 51.4 | 51.5 | 51.6 | 51.7 | 51.8 | 51.9 | 52.0 | 52.1 | 52.2 | 52.3 | 52.4 | 52.5 | 52.6 | 52.7 | 52.8 | 52.9 |
| 54.6 | 54.7 | 54.8 | 54.9 | 55.0 | 55.1 | 55.2 | 55.3 | 55.4 | 55.5 | 55.6 | 55.7 | 55.8 | 55.9 | 56.0 | 56.1 | 56.2 | 56.3 |
| 57.3 | 57.4 | 57.5 | 57.6 | 57.7 | 57.8 | 57.9 | 58.0 | 58.1 | 58.2 | 58.3 | 58.4 | 58.5 | 58.6 | 58.7 | 58.8 | 58.9 | 59.0 |
| 61.1 | 61.2 | 61.3 | 61.4 | 61.5 | 61.6 | 61.7 | 61.8 | 61.9 | 62.0 | 62.1 | 62.2 | 62.3 | 62.4 | 62.5 | 62.6 | 62.7 | 62.8 |
| 64.6 | 64.7 | 64.8 | 64.9 | 65.0 | 65.1 | 65.2 | 65.3 | 65.4 | 65.5 | 65.6 | 65.7 | 65.8 | 65.9 | 66.0 | 66.1 | 66.2 | 66.3 |
| 67.8 | 67.9 | 68.0 | 68.1 | 68.2 | 68.3 | 68.4 | 68.5 | 68.6 | 68.7 | 68.8 | 68.9 | 69.0 | 69.1 | 69.2 | 69.3 | 69.4 | 69.5 |
| 71.2 | 71.3 | 71.4 | 71.5 | 71.6 | 71.7 | 71.8 | 71.9 | 72.0 | 72.1 | 72.2 | 72.3 | 72.4 | 72.5 | 72.6 | 72.7 | 72.8 | 72.9 |
| 74.8 | 74.9 | 75.0 | 75.1 | 75.2 | 75.3 | 75.4 | 75.5 | 75.6 | 75.7 | 75.8 | 75.9 | 76.0 | 76.1 | 76.2 | 76.3 | 76.4 | 76.5 |
| 79.1 | 79.2 | 79.3 | 79.4 | 79.5 | 79.6 | 79.7 | 79.8 | 79.9 | 80.0 | 80.1 | 80.2 | 80.3 | 80.4 | 80.5 | 80.6 | 80.7 | 80.8 |
| 83.1 | 83.2 | 83.3 | 83.4 | 83.5 | 83.6 | 83.7 | 83.8 | 83.9 | 84.0 | 84.1 | 84.2 | 84.3 | 84.4 | 84.5 | 84.6 | 84.7 | 84.8 |
| 88.2 | 88.3 | 88.4 | 88.5 | 88.6 | 88.7 | 88.8 | 88.9 | 89.0 | 89.1 | 89.2 | 89.3 | 89.4 | 89.5 | 89.6 | 89.7 | 89.8 | 89.9 |
| 93.1 | 93.2 | 93.3 | 93.4 | 93.5 | 93.6 | 93.7 | 93.8 | 93.9 | 94.0 | 94.1 | 94.2 | 94.3 | 94.4 | 94.5 | 94.6 | 94.7 | 94.8 |
| 97.1 | 97.2 | 97.3 | 97.4 | 97.5 | 97.6 | 97.7 | 97.8 | 97.9 | 98.0 | 98.1 | 98.2 | 98.3 | 98.4 | 98.5 | 98.6 | 98.7 | 98.8 |
| 99.1 | 99.2 | 99.3 | 99.4 | 99.5 | 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 53

FEDERAL CLIMATOLOGY SERVICE
 WAFETAC
 AIR WEATHER SERVICE/AWAC

CEILING VERSUS VISIBILITY

STATION: WOLYTHEVILLE AFB A
 STATE: MISSOURI

73-57

30

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

100-117

| VISIBILITY (FT) | CEILING (FT) | | | | | | | | | | | | | | | |
|-----------------|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
| 13.5 | 71.9 | 41.1 | 41.1 | 42.0 | 43.3 | 43.3 | 43.3 | 43.7 | 43.3 | 43.5 | 43.5 | 43.5 | 43.1 | 43.5 | 43.5 | 43.5 |
| 14.5 | 42.1 | 45.3 | 45.2 | 47.2 | 47.5 | 47.6 | 47.5 | 47.5 | 47.6 | 47.5 | 47.8 | 47.5 | 47.2 | 47.5 | 47.5 | 47.5 |
| 14.5 | 43.3 | 45.7 | 46.9 | 47.6 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 |
| 14.5 | 43.3 | 45.7 | 46.9 | 47.6 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 |
| 14.7 | 44.4 | 46.1 | 48.1 | 48.8 | 49.1 | 49.2 | 49.2 | 49.2 | 49.2 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 |
| 14.7 | 45.2 | 47.7 | 49.0 | 49.8 | 51.1 | 52.2 | 52.2 | 52.2 | 52.2 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| 15.2 | 47.5 | 50.7 | 51.0 | 52.8 | 53.1 | 53.2 | 53.2 | 53.2 | 53.2 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| 15.3 | 48.3 | 51.7 | 52.6 | 53.5 | 53.9 | 54.7 | 54.7 | 54.7 | 54.7 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| 15.5 | 52.0 | 55.4 | 56.8 | 57.8 | 58.2 | 58.3 | 58.3 | 58.3 | 58.3 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| 16.1 | 53.2 | 55.6 | 58.0 | 59.0 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| 16.2 | 54.5 | 57.8 | 59.4 | 61.4 | 61.3 | 60.9 | 60.9 | 60.9 | 60.9 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| 17.3 | 58.3 | 59.9 | 61.0 | 62.7 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| 17.4 | 57.0 | 60.8 | 62.4 | 63.4 | 64.0 | 64.1 | 64.1 | 64.1 | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| 17.6 | 58.2 | 62.3 | 64.2 | 65.4 | 66.0 | 66.2 | 66.2 | 66.2 | 66.2 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| 17.8 | 59.0 | 63.1 | 65.2 | 65.5 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 18.7 | 60.4 | 64.8 | 66.7 | 68.1 | 68.7 | 68.9 | 68.9 | 68.9 | 68.9 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| 19.1 | 63.3 | 67.7 | 69.8 | 71.4 | 72.0 | 72.3 | 72.5 | 72.5 | 72.5 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| 19.4 | 64.7 | 69.6 | 72.0 | 74.2 | 74.9 | 75.2 | 75.4 | 75.5 | 75.6 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| 19.5 | 65.2 | 70.1 | 72.6 | 74.8 | 75.6 | 75.9 | 76.1 | 76.2 | 76.3 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| 19.9 | 66.5 | 71.8 | 74.4 | 77.4 | 78.2 | 78.5 | 78.7 | 78.8 | 79.0 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| 19.9 | 67.4 | 73.1 | 76.5 | 77.4 | 80.1 | 80.4 | 80.9 | 81.0 | 81.4 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| 19.2 | 68.2 | 74.0 | 77.4 | 81.0 | 81.9 | 82.5 | 83.1 | 83.7 | 83.9 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| 19.2 | 68.5 | 74.5 | 78.3 | 82.2 | 83.2 | 83.9 | 84.7 | 85.4 | 85.6 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| 19.2 | 68.7 | 74.7 | 78.6 | 82.7 | 83.9 | 84.7 | 85.3 | 86.5 | 86.7 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| 19.2 | 68.3 | 75.1 | 79.2 | 83.7 | 84.0 | 86.1 | 87.5 | 88.7 | 88.5 | 88.9 | 88.9 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 19.2 | 68.9 | 75.2 | 79.5 | 84.1 | 85.3 | 87.2 | 89.5 | 90.1 | 90.5 | 91.1 | 91.1 | 91.4 | 91.4 | 91.6 | 91.7 | 91.7 |
| 19.2 | 69.1 | 75.4 | 79.8 | 84.5 | 85.3 | 87.8 | 90.8 | 91.5 | 91.7 | 92.9 | 92.9 | 93.4 | 93.4 | 93.8 | 93.9 | 93.9 |
| 19.2 | 69.0 | 75.4 | 79.9 | 84.8 | 86.1 | 88.4 | 92.0 | 92.9 | 93.5 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 |
| 19.2 | 69.3 | 75.4 | 79.9 | 84.8 | 86.2 | 88.5 | 92.5 | 93.7 | 94.6 | 96.2 | 96.2 | 96.5 | 96.5 | 96.7 | 96.7 | 96.7 |
| 19.2 | 69.1 | 75.4 | 79.9 | 84.8 | 86.2 | 88.5 | 92.5 | 93.7 | 94.6 | 96.3 | 96.3 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 |
| 19.2 | 69.0 | 75.4 | 79.9 | 84.8 | 86.2 | 88.5 | 92.5 | 93.7 | 94.6 | 96.3 | 96.3 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 |
| 19.9 | 69.0 | 75.4 | 79.9 | 84.8 | 86.2 | 88.5 | 92.5 | 93.7 | 94.6 | 96.3 | 96.3 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 |

TOTAL NUMBER OF OBSERVATIONS: 270

CEILING VERSUS VISIBILITY

STATION WYTHEVILLE AFB 1

73-32

14

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

11-1-1955

| CEILING | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 15.1 | 3.8 | 41.1 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 |
| 16.1 | 43.3 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 17.1 | 48.9 | 50.2 | 50.4 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| 17.1 | 49.1 | 50.1 | 50.5 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| 17.4 | 50.2 | 51.7 | 52.0 | 52.0 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| 18.2 | 51.2 | 52.1 | 52.2 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| 18.4 | 54.3 | 55.2 | 56.1 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| 18.7 | 54.3 | 55.4 | 56.7 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 |
| 18.7 | 57.2 | 58.1 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| 19.1 | 58.1 | 58.1 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| 19.2 | 60.4 | 62.7 | 62.9 | 63.7 | 63.8 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| 20.3 | 62.4 | 64.7 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| 20.3 | 62.5 | 64.9 | 65.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| 20.4 | 64.2 | 65.5 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| 20.7 | 64.7 | 67.5 | 67.8 | 68.1 | 68.1 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| 20.1 | 68.4 | 68.5 | 68.9 | 69.2 | 69.2 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| 21.5 | 68.1 | 72.4 | 73.0 | 73.5 | 73.7 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| 22.1 | 71.1 | 74.9 | 75.5 | 76.5 | 76.7 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 22.1 | 72.3 | 75.1 | 76.5 | 77.6 | 77.3 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| 23.1 | 73.2 | 78.1 | 79.0 | 80.1 | 80.2 | 80.8 | 81.3 | 81.3 | 81.3 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 |
| 23.3 | 74.6 | 79.1 | 80.9 | 82.4 | 82.9 | 83.4 | 84.1 | 84.1 | 84.1 | 84.7 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 |
| 23.4 | 75.1 | 80.1 | 82.2 | 84.0 | 84.7 | 85.5 | 86.5 | 86.7 | 86.7 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| 23.4 | 75.8 | 81.1 | 83.1 | 85.7 | 86.5 | 87.5 | 88.5 | 88.7 | 88.7 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 |
| 23.4 | 75.8 | 81.1 | 83.1 | 86.0 | 86.7 | 88.0 | 89.1 | 89.1 | 89.4 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 |
| 23.4 | 75.5 | 81.7 | 83.3 | 86.5 | 87.4 | 88.8 | 89.9 | 90.2 | 90.3 | 90.9 | 90.9 | 91.1 | 91.1 | 91.1 | 91.1 |
| 23.4 | 75.9 | 81.7 | 83.9 | 87.3 | 88.3 | 89.9 | 91.2 | 91.6 | 91.9 | 92.7 | 92.7 | 93.0 | 93.0 | 93.0 | 93.0 |
| 23.4 | 75.9 | 81.7 | 83.9 | 87.4 | 88.6 | 90.6 | 91.3 | 92.7 | 93.2 | 94.2 | 94.2 | 94.6 | 94.7 | 94.7 | 94.7 |
| 23.4 | 75.9 | 81.7 | 83.9 | 87.4 | 88.7 | 90.8 | 92.9 | 94.0 | 94.6 | 95.7 | 95.7 | 96.3 | 96.3 | 96.9 | 96.9 |
| 23.4 | 75.9 | 81.8 | 84.0 | 87.5 | 88.3 | 91.0 | 93.3 | 94.9 | 95.4 | 96.8 | 97.0 | 97.7 | 97.7 | 98.8 | 98.8 |
| 23.4 | 75.9 | 81.8 | 84.0 | 87.5 | 88.8 | 91.0 | 93.3 | 94.8 | 95.4 | 96.9 | 97.1 | 98.0 | 98.0 | 99.0 | 99.0 |
| 23.4 | 75.9 | 81.8 | 84.0 | 87.5 | 88.8 | 91.0 | 93.3 | 94.8 | 95.4 | 96.9 | 97.1 | 98.0 | 98.0 | 99.0 | 99.0 |

TOTAL NUMBER OF OBSERVATIONS 57

WINDY HAD CLIMATOLOGY BRANCH
 AFCTAC
 WINDY HAD CENTER, DETROIT, MICH

CEILING VERSUS VISIBILITY

STATION: WYTHEVILLE AFB AL

75-52

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

100-170

| VISIBILITY | CEILING | | | | | | | | | | | | | | | |
|------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1500 | 2000 | 3000 | 4000 | 5000 |
| 100 | 41.2 | 41.9 | 42.5 | 43.7 | 43.1 | 43.1 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| 200 | 41.2 | 41.7 | 51.3 | 51.5 | 51.1 | 51.1 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| 300 | 41.1 | 51.4 | 51.1 | 51.3 | 51.8 | 51.3 | 51.9 | 51.9 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| 400 | 41.5 | 51.1 | 51.7 | 52.3 | 52.6 | 52.6 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 500 | 41.4 | 52.2 | 51.2 | 52.2 | 53.8 | 53.4 | 53.2 | 53.2 | 53.5 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| 600 | 21.1 | 51.5 | 53.5 | 53.7 | 59.2 | 59.2 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| 700 | 21.2 | 51.7 | 59.7 | 59.9 | 61.4 | 60.4 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| 800 | 22.1 | 51.2 | 67.4 | 62.7 | 63.2 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| 900 | 22.4 | 52.0 | 63.3 | 63.8 | 64.3 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| 1000 | 23.0 | 53.1 | 64.9 | 65.2 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| 1200 | 23.1 | 60.6 | 67.3 | 67.8 | 68.7 | 69.7 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| 1500 | 23.1 | 68.9 | 67.8 | 68.4 | 69.2 | 69.2 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| 2000 | 23.1 | 67.3 | 69.4 | 71.0 | 71.1 | 71.1 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| 3000 | 23.5 | 69.1 | 70.2 | 70.9 | 71.9 | 71.9 | 72.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| 4000 | 23.1 | 69.4 | 71.5 | 72.8 | 73.9 | 73.9 | 74.1 | 74.2 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| 5000 | 24.3 | 72.4 | 75.1 | 76.3 | 77.4 | 77.4 | 77.8 | 78.3 | 78.8 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| 10000 | 24.7 | 74.7 | 77.5 | 78.9 | 80.5 | 80.6 | 81.1 | 81.2 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| 20000 | 24.7 | 74.9 | 77.8 | 79.2 | 81.9 | 81.2 | 81.4 | 81.6 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| 30000 | 25.2 | 75.7 | 79.1 | 81.0 | 82.6 | 82.7 | 83.3 | 83.3 | 83.4 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| 40000 | 25.3 | 76.5 | 81.1 | 82.3 | 84.4 | 84.5 | 85.4 | 85.5 | 85.9 | 86.1 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| 50000 | 25.3 | 76.3 | 81.4 | 82.7 | 85.3 | 85.4 | 86.2 | 87.1 | 87.2 | 87.4 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| 60000 | 25.3 | 76.9 | 81.5 | 82.9 | 85.0 | 85.2 | 87.1 | 88.5 | 88.7 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| 70000 | 25.3 | 78.9 | 83.6 | 83.1 | 86.9 | 87.3 | 88.3 | 89.8 | 90.1 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| 80000 | 25.3 | 76.9 | 80.9 | 83.3 | 87.5 | 88.1 | 89.2 | 90.8 | 91.2 | 91.7 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| 90000 | 25.4 | 77.2 | 81.2 | 83.7 | 88.0 | 88.7 | 90.0 | 91.6 | 92.0 | 92.7 | 93.1 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 |
| 100000 | 25.4 | 77.2 | 81.3 | 83.8 | 88.5 | 87.5 | 91.1 | 92.3 | 93.3 | 94.0 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| 110000 | 25.4 | 77.2 | 81.3 | 83.8 | 88.6 | 89.7 | 91.4 | 93.5 | 94.4 | 95.5 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| 120000 | 25.4 | 77.2 | 81.3 | 83.8 | 82.7 | 89.8 | 91.6 | 94.1 | 94.7 | 96.3 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 130000 | 25.4 | 77.2 | 81.7 | 83.9 | 88.8 | 89.9 | 91.8 | 94.4 | 95.3 | 96.7 | 97.8 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| 140000 | 25.4 | 77.2 | 81.3 | 83.9 | 88.8 | 89.9 | 91.8 | 94.4 | 95.3 | 96.7 | 97.8 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| 150000 | 25.4 | 77.2 | 81.3 | 83.9 | 88.8 | 89.9 | 91.8 | 94.4 | 95.3 | 96.7 | 97.8 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |

TOTAL NUMBER OF OBSERVATIONS 275

CEILING VERSUS VISIBILITY

1974-75 LINDBERGH AFB, TX

73-80

20

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1974-75

| CEILING | 20 | 24 | 28 | 32 | 36 | 40 | 44 | 48 | 52 | 56 | 60 | 64 | 68 | 72 | 76 | 80 | 84 | 88 | 92 | 96 | 100 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 20.0 | 46.3 | 48.9 | 47.1 | 47.1 | 47.1 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 |
| 24.0 | 50.4 | 51.3 | 51.2 | 51.2 | 51.2 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| 28.0 | 50.3 | 51.3 | 51.5 | 51.5 | 51.5 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| 32.0 | 50.4 | 51.3 | 51.5 | 51.5 | 51.5 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| 36.0 | 51.0 | 51.8 | 51.7 | 51.7 | 51.7 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| 40.0 | 51.8 | 52.2 | 52.4 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| 44.0 | 56.3 | 57.3 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| 48.0 | 57.7 | 58.7 | 58.5 | 58.5 | 58.5 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 |
| 52.0 | 60.4 | 61.4 | 61.8 | 61.8 | 61.8 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| 56.0 | 61.7 | 62.4 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| 60.0 | 63.2 | 64.0 | 64.7 | 64.9 | 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 | 65.2 | 65.2 | 65.2 | 65.2 |
| 64.0 | 65.7 | 67.1 | 67.5 | 67.5 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| 68.0 | 67.2 | 69.6 | 69.1 | 69.1 | 69.2 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| 72.0 | 68.5 | 70.2 | 71.4 | 71.5 | 71.6 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| 76.0 | 70.1 | 71.5 | 72.2 | 72.3 | 72.4 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| 80.0 | 71.8 | 72.7 | 74.3 | 74.9 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| 84.0 | 74.0 | 76.9 | 78.2 | 78.7 | 78.8 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| 88.0 | 77.3 | 79.2 | 81.1 | 81.5 | 81.6 | 82.3 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 92.0 | 77.3 | 79.6 | 81.3 | 82.0 | 82.2 | 82.8 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| 96.0 | 77.5 | 80.1 | 82.2 | 82.9 | 83.1 | 84.1 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| 100.0 | 78.3 | 81.4 | 83.7 | 84.6 | 84.9 | 86.0 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| 0.0 | 79.5 | 81.7 | 84.1 | 85.3 | 85.7 | 86.9 | 87.3 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| 1.0 | 78.9 | 82.7 | 84.4 | 85.8 | 86.3 | 87.5 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 2.0 | 78.9 | 82.7 | 84.5 | 86.3 | 87.1 | 88.2 | 89.1 | 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 |
| 3.0 | 79.0 | 82.4 | 84.6 | 86.8 | 87.7 | 89.4 | 90.2 | 90.5 | 90.6 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| 4.0 | 79.1 | 82.6 | 85.1 | 87.6 | 89.9 | 91.3 | 91.8 | 92.5 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| 5.0 | 79.2 | 82.7 | 85.5 | 89.2 | 89.7 | 91.6 | 92.9 | 93.7 | 93.9 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 6.0 | 79.2 | 82.7 | 85.5 | 89.2 | 89.7 | 92.2 | 94.1 | 95.1 | 95.4 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 7.0 | 79.4 | 82.9 | 85.6 | 88.3 | 89.8 | 92.4 | 94.3 | 95.4 | 96.1 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 8.0 | 79.4 | 82.9 | 85.6 | 88.4 | 89.9 | 92.5 | 94.4 | 95.6 | 96.3 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| 9.0 | 79.4 | 82.9 | 85.6 | 88.4 | 89.9 | 92.5 | 94.4 | 95.6 | 96.3 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| 10.0 | 79.4 | 82.9 | 85.6 | 88.4 | 89.9 | 92.5 | 94.4 | 95.6 | 96.3 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION: LYNCHVILLE, AFB, VA REFERENCE: 73-67 DATE: 11-22-62
PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

| CEILING | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | TOTAL | |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|
| 0 | 27.4 | 47.3 | 48.4 | 41.9 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | | |
| 50 | 50.1 | 50.1 | 51.5 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | |
| 100 | 50.1 | 50.1 | 51.6 | 52.2 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | |
| 150 | 50.1 | 50.9 | 51.7 | 52.3 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | |
| 200 | 50.4 | 51.2 | 52.1 | 52.9 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | |
| 250 | 50.4 | 50.0 | 50.4 | 51.4 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | |
| 300 | 61.3 | 61.2 | 61.7 | 62.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | |
| 350 | 62.1 | 62.2 | 61.1 | 61.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| 400 | 63.1 | 61.4 | 63.1 | 63.3 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| 450 | 64.1 | 65.4 | 65.2 | 65.2 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| 500 | 64.1 | 65.4 | 66.5 | 67.4 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| 550 | 64.2 | 65.1 | 65.7 | 65.9 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| 600 | 64.7 | 67.7 | 69.1 | 69.8 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| 650 | 65.7 | 67.6 | 71.5 | 72.3 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 700 | 65.7 | 71.9 | 74.7 | 75.4 | 76.6 | 76.8 | 77.1 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| 750 | 67.1 | 74.4 | 77.1 | 78.6 | 80.0 | 80.3 | 80.5 | 80.3 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| 800 | 67.2 | 74.9 | 77.3 | 79.4 | 81.2 | 81.5 | 81.7 | 81.9 | 82.0 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| 850 | 67.5 | 75.9 | 78.6 | 80.6 | 82.7 | 83.0 | 83.2 | 83.4 | 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 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| 900 | 68.1 | 77.2 | 81.5 | 82.3 | 84.4 | 84.7 | 85.1 | 85.5 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| 950 | 68.1 | 77.7 | 81.4 | 83.5 | 86.7 | 87.3 | 87.8 | 88.4 | 88.6 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| 1000 | 68.2 | 77.8 | 81.5 | 84.0 | 87.2 | 88.0 | 88.8 | 89.4 | 89.6 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| 1100 | 68.3 | 78.1 | 82.0 | 84.2 | 87.6 | 88.4 | 89.5 | 90.0 | 90.7 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| 1200 | 68.3 | 78.3 | 82.5 | 84.7 | 88.8 | 89.9 | 91.2 | 91.7 | 92.3 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| 1300 | 68.3 | 78.4 | 82.9 | 85.2 | 89.6 | 90.6 | 92.0 | 92.8 | 93.3 | 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 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 1400 | 68.5 | 78.4 | 83.1 | 85.4 | 89.9 | 91.3 | 92.8 | 93.4 | 94.6 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| 1500 | 68.3 | 78.5 | 83.2 | 85.5 | 90.1 | 91.5 | 93.0 | 94.2 | 95.2 | 96.0 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| 1600 | 68.3 | 78.5 | 83.2 | 85.5 | 90.1 | 91.5 | 93.0 | 94.5 | 95.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |

TOTAL NUMBER OF OBSERVATIONS 920

WORLD WEATHER SERVICE
 METEOROLOGICAL SERVICE
 METEOROLOGICAL SERVICE/NAO

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

| | | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 44.1 | 47.1 | 47.3 | 47.9 | 48.0 | 48.1 | 48.2 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 |
| 48.2 | 49.7 | 50.1 | 50.2 | 50.2 | 50.7 | 50.8 | 50.9 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| 48.5 | 50.2 | 50.4 | 50.8 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| 48.6 | 50.2 | 50.4 | 50.8 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| 48.3 | 50.2 | 51.0 | 51.4 | 51.5 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 |
| 48.2 | 51.2 | 51.9 | 52.0 | 52.1 | 52.2 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| 50.2 | 54.5 | 55.0 | 55.4 | 55.6 | 55.6 | 55.8 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| 54.1 | 55.4 | 55.9 | 56.3 | 56.4 | 56.5 | 56.8 | 56.6 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| 57.0 | 58.5 | 59.1 | 59.6 | 59.7 | 59.8 | 60.0 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| 57.2 | 59.9 | 60.2 | 60.6 | 60.8 | 60.9 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| 59.3 | 61.0 | 61.7 | 62.2 | 62.4 | 62.4 | 62.6 | 62.6 | 62.6 | 62.6 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| 61.2 | 63.2 | 64.1 | 64.6 | 64.8 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| 61.4 | 64.3 | 65.1 | 65.6 | 65.8 | 65.9 | 66.1 | 66.1 | 66.1 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| 62.8 | 66.2 | 66.2 | 66.2 | 67.4 | 67.6 | 67.8 | 68.1 | 68.2 | 68.2 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| 64.8 | 67.0 | 67.8 | 68.5 | 68.7 | 68.9 | 69.1 | 69.1 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| 66.2 | 68.7 | 69.7 | 70.5 | 70.7 | 70.9 | 71.1 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| 69.1 | 71.9 | 73.1 | 74.2 | 74.5 | 74.7 | 75.0 | 75.1 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| 71.1 | 74.3 | 75.7 | 77.0 | 77.5 | 77.2 | 78.2 | 78.2 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| 72.3 | 75.3 | 76.3 | 77.0 | 77.6 | 78.1 | 80.7 | 81.1 | 81.2 | 81.2 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| 74.2 | 77.9 | 79.0 | 81.9 | 82.5 | 83.1 | 83.7 | 83.8 | 84.0 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| 74.6 | 78.6 | 80.8 | 82.9 | 83.7 | 84.4 | 85.2 | 85.4 | 85.6 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| 75.2 | 77.4 | 81.9 | 84.7 | 85.6 | 86.6 | 87.6 | 88.0 | 88.2 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| 75.3 | 77.7 | 82.2 | 85.4 | 86.4 | 87.6 | 88.3 | 89.7 | 89.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 75.5 | 80.0 | 82.6 | 85.1 | 87.2 | 88.7 | 90.2 | 90.7 | 91.1 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| 75.6 | 81.5 | 83.0 | 86.7 | 88.0 | 89.3 | 91.6 | 92.2 | 92.7 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| 75.6 | 81.8 | 83.1 | 86.9 | 88.3 | 89.4 | 92.5 | 93.4 | 94.0 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 75.7 | 82.4 | 83.2 | 87.0 | 88.4 | 89.6 | 93.1 | 94.2 | 95.1 | 96.1 | 96.2 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 75.7 | 80.4 | 83.2 | 87.0 | 88.4 | 90.6 | 93.1 | 94.2 | 95.1 | 96.2 | 96.3 | 97.2 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 75.7 | 82.4 | 83.2 | 87.0 | 88.4 | 90.6 | 93.1 | 94.2 | 95.1 | 96.2 | 96.3 | 97.2 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |

TOTAL NUMBER OF OBSERVATIONS 7440

CEILING VERSUS VISIBILITY

24510 WYTHEVILLE AFB 4

73-82

501

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1947-1952

| CEILING | 20 | 25 | 30 | 34 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 100 | 27.5 | 5.5 | 52.5 | 53.3 | 53.4 | 53.9 | 54.1 | 54.3 | 54.3 | 54.3 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| 90 | 27.1 | 51.1 | 54.1 | 55.6 | 55.6 | 55.7 | 55.9 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| 80 | 27.3 | 52.1 | 54.5 | 55.9 | 55.9 | 56.0 | 56.3 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 |
| 70 | 27.3 | 52.1 | 54.5 | 55.9 | 55.9 | 56.0 | 56.3 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 |
| 60 | 27.3 | 52.4 | 54.7 | 56.1 | 56.1 | 56.3 | 56.5 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| 50 | 25.7 | 54.4 | 56.7 | 58.2 | 58.2 | 58.3 | 58.5 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 |
| 40 | 25.1 | 54.5 | 56.4 | 58.3 | 58.4 | 58.5 | 58.7 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| 30 | 25.4 | 56.5 | 58.9 | 60.3 | 60.4 | 60.5 | 60.8 | 60.9 | 60.9 | 60.9 | 60.9 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 20 | 21.3 | 58.4 | 62.1 | 62.2 | 62.3 | 62.4 | 62.6 | 62.8 | 62.8 | 62.8 | 62.8 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| 10 | 20.9 | 61.0 | 62.4 | 63.0 | 63.9 | 64.2 | 64.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| 0 | 19.0 | 63.4 | 65.7 | 67.1 | 67.3 | 67.7 | 68.0 | 68.1 | 68.1 | 68.1 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| 100 | 20.4 | 64.4 | 67.3 | 68.9 | 69.0 | 69.0 | 69.9 | 70.0 | 70.0 | 70.0 | 70.0 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| 90 | 19.0 | 66.3 | 69.1 | 70.9 | 71.2 | 71.7 | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| 80 | 21.7 | 67.6 | 70.7 | 72.5 | 72.7 | 73.3 | 73.5 | 73.8 | 73.8 | 73.8 | 73.8 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| 70 | 23.1 | 70.8 | 74.1 | 76.0 | 76.5 | 77.1 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| 60 | 23.5 | 72.3 | 75.4 | 78.1 | 78.9 | 79.4 | 80.1 | 80.3 | 80.3 | 80.3 | 80.3 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| 50 | 24.0 | 74.0 | 77.5 | 79.9 | 80.7 | 81.7 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| 40 | 24.3 | 74.5 | 78.0 | 80.4 | 81.2 | 82.2 | 83.1 | 83.3 | 83.3 | 83.3 | 83.3 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| 30 | 23.5 | 77.0 | 80.0 | 83.2 | 84.5 | 85.6 | 87.2 | 87.5 | 87.5 | 87.5 | 87.5 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| 20 | 25.7 | 77.9 | 82.0 | 84.5 | 85.9 | 87.0 | 88.8 | 89.1 | 89.1 | 89.1 | 89.1 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| 10 | 25.2 | 78.6 | 83.1 | 85.6 | 87.5 | 88.7 | 90.5 | 91.0 | 91.0 | 91.0 | 91.0 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| 0 | 21.1 | 78.8 | 83.7 | 86.1 | 87.9 | 89.1 | 91.5 | 92.0 | 92.0 | 92.0 | 92.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| 100 | 20.1 | 79.2 | 84.2 | 86.9 | 88.8 | 90.0 | 92.4 | 92.9 | 92.9 | 92.9 | 92.9 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| 90 | 21.2 | 78.7 | 84.3 | 87.0 | 88.9 | 90.1 | 92.9 | 93.4 | 93.4 | 93.4 | 93.4 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 80 | 20.2 | 79.3 | 84.4 | 87.1 | 89.4 | 90.5 | 93.6 | 94.1 | 94.1 | 94.1 | 94.1 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| 70 | 20.2 | 79.3 | 84.4 | 87.5 | 90.0 | 91.5 | 94.9 | 95.4 | 95.4 | 95.4 | 95.4 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| 60 | 20.2 | 79.3 | 84.4 | 87.5 | 90.1 | 91.6 | 95.0 | 95.6 | 95.6 | 95.6 | 95.6 | 96.2 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 50 | 20.2 | 79.3 | 84.4 | 87.5 | 90.1 | 91.6 | 95.0 | 95.6 | 95.6 | 95.6 | 95.6 | 96.2 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 40 | 20.2 | 79.3 | 84.4 | 87.5 | 90.1 | 91.6 | 95.0 | 95.6 | 95.6 | 95.6 | 95.6 | 96.2 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 30 | 20.2 | 79.3 | 84.4 | 87.5 | 90.1 | 91.6 | 95.0 | 95.6 | 95.6 | 95.6 | 95.6 | 96.2 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 20 | 20.2 | 79.3 | 84.4 | 87.5 | 90.1 | 91.6 | 95.0 | 95.6 | 95.6 | 95.6 | 95.6 | 96.2 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 10 | 20.2 | 79.3 | 84.4 | 87.5 | 90.1 | 91.6 | 95.0 | 95.6 | 95.6 | 95.6 | 95.6 | 96.2 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 0 | 20.2 | 79.3 | 84.4 | 87.5 | 90.1 | 91.6 | 95.0 | 95.6 | 95.6 | 95.6 | 95.6 | 96.2 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |

TOTAL NUMBER OF OBSERVATIONS 46

U.S. AIR FORCE
 METEOROLOGICAL CLIMATOLOGY BRANCH
 METAC
 AIR WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

249-1 WYTHEVILLE AFB, VA

72-62

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

249-1000

VISIBILITY IN STATUTE MILES

| CEILING FEET | >10 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 23.0 | 43.1 | 43.7 | 50.6 | 51.8 | 52.0 | 52.6 | 51.6 | 52.4 | 52.7 | 52.7 | 52.7 | 52.8 | 52.7 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| 24.0 | 50.2 | 51.5 | 52.8 | 54.0 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| 25.0 | 50.2 | 51.5 | 52.8 | 54.0 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| 26.0 | 50.2 | 51.5 | 52.8 | 54.0 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| 27.0 | 53.1 | 54.0 | 55.1 | 56.3 | 57.4 | 57.7 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| 28.0 | 55.0 | 55.7 | 56.3 | 57.4 | 58.3 | 59.2 | 59.6 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| 29.0 | 55.0 | 55.7 | 56.3 | 57.4 | 58.3 | 59.2 | 59.6 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| 30.0 | 57.4 | 59.2 | 60.0 | 61.7 | 62.4 | 63.0 | 63.1 | 63.1 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 31.0 | 59.6 | 61.3 | 62.6 | 63.8 | 64.5 | 65.1 | 65.2 | 65.2 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| 32.0 | 61.3 | 63.4 | 64.7 | 65.1 | 66.0 | 67.4 | 67.5 | 67.5 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| 33.0 | 62.3 | 64.2 | 65.3 | 67.8 | 68.6 | 69.1 | 69.3 | 69.3 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| 34.0 | 64.8 | 67.1 | 68.0 | 70.1 | 70.3 | 71.4 | 71.5 | 71.5 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| 35.0 | 67.7 | 72.6 | 72.1 | 73.8 | 74.3 | 75.1 | 75.2 | 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 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| 36.0 | 69.9 | 72.9 | 74.3 | 76.2 | 77.1 | 77.5 | 77.7 | 77.7 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| 37.0 | 72.5 | 76.2 | 77.8 | 80.0 | 80.7 | 81.7 | 81.8 | 81.8 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| 38.0 | 72.9 | 76.8 | 78.4 | 80.6 | 81.4 | 82.3 | 82.4 | 82.4 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| 39.0 | 75.1 | 79.4 | 81.1 | 83.3 | 84.2 | 85.1 | 85.3 | 85.3 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| 40.0 | 76.0 | 81.7 | 83.0 | 86.2 | 87.0 | 88.1 | 88.7 | 88.7 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| 41.0 | 77.3 | 81.7 | 83.0 | 87.2 | 88.1 | 89.2 | 90.0 | 90.0 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| 42.0 | 77.4 | 82.4 | 84.5 | 88.2 | 89.2 | 90.4 | 91.1 | 91.1 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| 43.0 | 77.7 | 82.4 | 84.8 | 88.5 | 89.6 | 90.8 | 91.6 | 91.6 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| 44.0 | 78.4 | 83.3 | 85.6 | 89.4 | 90.4 | 92.0 | 92.9 | 93.0 | 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 | 93.6 | 93.6 | 93.6 |
| 45.0 | 78.6 | 83.6 | 85.6 | 89.7 | 90.4 | 92.4 | 93.5 | 93.6 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| 46.0 | 78.6 | 83.8 | 86.1 | 90.4 | 91.7 | 93.7 | 94.9 | 95.0 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 47.0 | 78.6 | 83.9 | 86.2 | 90.8 | 92.1 | 94.2 | 95.5 | 95.7 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| 48.0 | 78.6 | 83.8 | 86.3 | 91.3 | 92.6 | 94.8 | 96.2 | 96.6 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 49.0 | 78.6 | 83.8 | 86.3 | 91.3 | 92.6 | 94.8 | 96.2 | 95.7 | 97.5 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| 50.0 | 78.6 | 83.8 | 86.3 | 91.3 | 92.6 | 94.8 | 96.2 | 96.7 | 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 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |

TOTAL NUMBER OF OBSERVATIONS 546

FEDERAL CLIMATOLOGY BRANCH
DIRECTOR
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: WILLYTHEVILLE AFB AR

73-80

515

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

FORM 1-55

| CEILING (FEET) | 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 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|----|----|----|----|
| 15.1 | 31.5 | 42.7 | 43.8 | 44.3 | 44.7 | 45.3 | 45.9 | 46.7 | 46.3 | 46.2 | 46.2 | 46.3 | 46.3 | 46.7 | 46.4 | | | | | | | | | | | | | | |
| 15.4 | 42.4 | 45.6 | 46.6 | 47.1 | 47.6 | 48.2 | 48.8 | 48.8 | 48.9 | 49.0 | 49.2 | 49.1 | 49.1 | 49.2 | 49.2 | 49.2 | | | | | | | | | | | | | |
| 15.4 | 42.4 | 45.6 | 46.6 | 47.1 | 47.7 | 48.3 | 48.9 | 49.0 | 49.0 | 49.1 | 49.1 | 49.1 | 49.1 | 49.2 | 49.2 | 49.2 | | | | | | | | | | | | | |
| 15.5 | 42.5 | 47.7 | 48.7 | 47.2 | 47.8 | 48.4 | 49.0 | 49.1 | 49.1 | 49.0 | 49.2 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | | | | | | | | | | | | | |
| 15.8 | 43.1 | 46.3 | 47.3 | 47.9 | 48.5 | 49.1 | 49.7 | 49.8 | 49.8 | 49.9 | 49.9 | 49.9 | 49.9 | 50.1 | 50.1 | 50.1 | 50.1 | 50.2 | | | | | | | | | | | |
| 16.7 | 48.7 | 50.4 | 51.7 | 52.8 | 53.4 | 54.2 | 54.6 | 54.7 | 54.7 | 54.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | | | | | | | | | | |
| 16.8 | 48.9 | 50.4 | 51.7 | 52.8 | 53.4 | 54.2 | 54.6 | 54.7 | 54.7 | 54.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | | | | | | | | | |
| 17.4 | 48.2 | 52.2 | 53.7 | 54.8 | 55.6 | 56.4 | 57.3 | 57.3 | 57.2 | 57.4 | 57.4 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | | | | | | | | | |
| 17.5 | 49.2 | 53.7 | 55.0 | 56.1 | 56.9 | 57.9 | 58.6 | 59.2 | 59.7 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | | | | | | | | |
| 17.8 | 49.9 | 54.4 | 56.1 | 57.3 | 58.2 | 59.2 | 59.9 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | | | | | | | | |
| 18.1 | 51.1 | 56.3 | 58.2 | 59.8 | 60.8 | 61.9 | 62.8 | 63.0 | 63.0 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | | | | | | | | |
| 18.5 | 52.7 | 57.8 | 59.6 | 61.2 | 62.2 | 63.3 | 64.3 | 64.4 | 64.4 | 64.6 | 64.6 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | | | | | | | | |
| 18.8 | 53.8 | 59.2 | 61.4 | 63.2 | 64.3 | 65.3 | 66.3 | 66.4 | 66.4 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | | | | | | | |
| 18.9 | 55.8 | 60.8 | 63.1 | 64.9 | 65.9 | 67.1 | 68.0 | 68.3 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | | | | | | | |
| 20.0 | 57.8 | 63.6 | 65.9 | 67.7 | 68.8 | 69.7 | 70.9 | 71.1 | 71.1 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | | | | | | | |
| 20.9 | 65.6 | 66.7 | 69.1 | 71.1 | 72.3 | 73.5 | 74.4 | 74.7 | 74.7 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | | | | | | | |
| 21.9 | 63.7 | 70.1 | 73.0 | 75.4 | 76.6 | 77.8 | 78.7 | 79.1 | 79.2 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | | | | | | | |
| 22.1 | 64.5 | 71.1 | 74.1 | 76.6 | 77.8 | 79.1 | 80.0 | 80.4 | 80.5 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | | | | | | | |
| 22.8 | 66.6 | 73.5 | 77.2 | 79.6 | 80.8 | 82.1 | 83.2 | 83.7 | 83.8 | 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 | | | | | | | |
| 22.7 | 67.1 | 75.5 | 79.2 | 81.9 | 83.1 | 84.4 | 85.4 | 85.9 | 86.2 | 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 | | | | | | | |
| 23.1 | 67.3 | 75.7 | 79.6 | 82.6 | 83.9 | 85.3 | 86.6 | 87.1 | 87.3 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | | | | | | | |
| 23.0 | 67.5 | 75.9 | 79.8 | 83.0 | 84.5 | 86.0 | 87.3 | 88.0 | 88.3 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | | | | | | | |
| 23.0 | 67.5 | 75.9 | 79.9 | 83.4 | 85.2 | 86.9 | 88.3 | 89.0 | 89.3 | 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 | | | | | | | |
| 23.1 | 67.6 | 75.9 | 80.1 | 84.1 | 86.2 | 87.9 | 89.6 | 90.4 | 90.9 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | | | | | | | |
| 23.1 | 67.6 | 76.0 | 80.2 | 84.5 | 86.7 | 88.9 | 90.5 | 91.4 | 91.8 | 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 | | | | | | | |
| 23.1 | 67.6 | 76.0 | 80.2 | 84.6 | 87.2 | 89.6 | 91.2 | 92.2 | 92.7 | 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 | | | | | | | |
| 23.0 | 67.7 | 76.1 | 80.4 | 85.0 | 87.6 | 90.1 | 92.0 | 92.9 | 93.5 | 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 | | | | | | | |
| 23.0 | 67.7 | 76.1 | 80.4 | 85.3 | 87.9 | 90.5 | 92.5 | 93.5 | 94.2 | 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 | | | | | | | |
| 23.1 | 67.7 | 76.1 | 80.4 | 85.3 | 87.9 | 90.5 | 92.5 | 93.7 | 94.4 | 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 | | | | | | | |
| 23.0 | 67.7 | 76.1 | 80.4 | 85.3 | 87.9 | 90.5 | 92.5 | 93.7 | 94.4 | 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 | | | | | | | |
| 23.1 | 67.7 | 76.1 | 80.4 | 85.3 | 87.9 | 90.5 | 92.5 | 93.7 | 94.4 | 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 | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 645

CEILING VERSUS VISIBILITY

STATION: WYNDMERE AFB

PERIOD: 73-83

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

FORM 1112

| CEILING | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | | | | |
|---------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 1.0 | 41.2 | 42.7 | 43.7 | 44.2 | 44.3 | 44.4 | 44.4 | 44.7 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 |
| 1.2 | 44.4 | 47.5 | 49.1 | 49.2 | 50.0 | 50.1 | 50.1 | 50.5 | 50.5 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| 1.4 | 44.4 | 47.5 | 49.1 | 49.2 | 50.1 | 50.1 | 51.1 | 50.5 | 50.5 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| 1.6 | 44.8 | 49.0 | 49.3 | 50.1 | 50.2 | 50.4 | 50.4 | 50.7 | 50.7 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 |
| 1.8 | 44.8 | 49.0 | 49.3 | 50.1 | 50.2 | 50.7 | 50.7 | 51.1 | 51.1 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| 2.0 | 47.4 | 51.7 | 52.4 | 53.5 | 53.7 | 53.8 | 53.8 | 54.1 | 54.1 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| 2.2 | 47.4 | 51.7 | 52.7 | 53.9 | 54.4 | 54.1 | 54.1 | 54.5 | 54.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| 2.4 | 49.2 | 53.0 | 54.6 | 55.9 | 56.0 | 56.1 | 56.3 | 56.8 | 56.8 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| 2.6 | 50.8 | 54.8 | 56.1 | 57.4 | 57.6 | 57.7 | 57.8 | 58.2 | 58.2 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| 2.8 | 51.4 | 55.8 | 57.2 | 58.5 | 58.6 | 58.7 | 58.9 | 59.2 | 59.2 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| 3.0 | 53.7 | 58.2 | 59.2 | 61.7 | 61.6 | 61.9 | 62.1 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| 3.2 | 55.1 | 59.7 | 61.3 | 63.4 | 63.5 | 63.6 | 63.7 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| 3.4 | 56.4 | 61.2 | 63.7 | 65.7 | 65.8 | 66.0 | 66.1 | 66.4 | 66.4 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| 3.6 | 58.9 | 61.8 | 64.3 | 66.3 | 66.4 | 66.6 | 66.7 | 67.0 | 67.0 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| 3.8 | 59.4 | 63.8 | 66.4 | 68.6 | 68.7 | 68.8 | 68.8 | 69.3 | 69.3 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| 4.0 | 61.1 | 67.5 | 71.2 | 72.5 | 72.6 | 72.9 | 73.2 | 73.4 | 73.4 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| 4.2 | 63.1 | 69.8 | 72.9 | 76.0 | 76.2 | 76.6 | 76.8 | 77.3 | 77.3 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| 4.4 | 63.6 | 72.3 | 73.8 | 76.8 | 77.1 | 77.4 | 77.7 | 78.1 | 78.1 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| 4.6 | 65.4 | 73.7 | 77.5 | 81.0 | 81.2 | 81.7 | 81.9 | 82.4 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| 4.8 | 66.1 | 74.9 | 79.1 | 82.9 | 83.3 | 84.4 | 85.1 | 85.6 | 85.6 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| 5.0 | 66.2 | 75.3 | 79.6 | 83.9 | 85.1 | 85.9 | 86.6 | 87.1 | 87.4 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| 5.2 | 66.3 | 75.5 | 79.9 | 84.5 | 85.8 | 87.1 | 88.1 | 88.5 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| 5.4 | 66.5 | 75.8 | 80.3 | 85.0 | 86.2 | 88.5 | 89.8 | 91.4 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 5.6 | 66.7 | 75.4 | 80.9 | 85.7 | 87.7 | 89.6 | 91.4 | 92.3 | 92.7 | 92.9 | 93.1 | 93.3 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 5.8 | 66.8 | 76.7 | 81.4 | 86.8 | 88.7 | 90.5 | 92.4 | 93.5 | 93.7 | 94.1 | 94.3 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 6.0 | 66.9 | 76.7 | 81.4 | 86.9 | 88.8 | 90.7 | 93.1 | 93.0 | 94.4 | 94.9 | 95.2 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| 6.2 | 66.8 | 76.8 | 81.8 | 87.1 | 89.1 | 91.0 | 93.3 | 94.8 | 95.9 | 96.3 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 6.4 | 66.5 | 76.3 | 81.6 | 87.0 | 89.0 | 91.4 | 94.3 | 95.3 | 96.5 | 96.5 | 96.5 | 96.5 | 97.2 | 97.5 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 6.6 | 66.8 | 76.8 | 81.6 | 87.0 | 89.0 | 91.4 | 94.3 | 95.4 | 96.8 | 97.3 | 97.5 | 98.5 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 6.8 | 66.8 | 76.8 | 81.6 | 87.0 | 89.0 | 91.4 | 94.3 | 95.4 | 96.8 | 97.3 | 97.5 | 98.5 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 7.0 | 66.8 | 76.8 | 81.6 | 87.0 | 89.0 | 91.4 | 94.3 | 95.4 | 96.8 | 97.3 | 97.5 | 98.5 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 44

CEILING VERSUS VISIBILITY

0741 DLYNCOVILLE AFB A

73-52

011

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1210-1400

| CEILING | 20 | 21 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 10.2 | 41.0 | 42.4 | 42.9 | 43.4 | 43.4 | 43.5 | 43.5 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| 10.5 | 46.5 | 47.7 | 48.2 | 48.6 | 48.6 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| 10.7 | 46.9 | 47.7 | 48.5 | 48.7 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| 11.1 | 46.9 | 47.7 | 48.5 | 48.7 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| 15.7 | 46.9 | 47.7 | 48.5 | 48.7 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| 15.8 | 47.8 | 48.5 | 48.5 | 48.9 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 |
| 15.8 | 49.5 | 51.7 | 52.5 | 53.3 | 53.3 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| 15.8 | 49.8 | 51.1 | 52.8 | 53.7 | 53.7 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| 17.4 | 51.7 | 53.8 | 55.2 | 56.0 | 56.0 | 56.3 | 56.3 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 |
| 17.8 | 52.4 | 54.7 | 56.3 | 57.1 | 57.1 | 57.3 | 57.3 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 17.7 | 52.8 | 55.7 | 56.9 | 57.8 | 57.8 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 |
| 18.1 | 55.2 | 57.5 | 59.6 | 60.5 | 60.5 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| 18.1 | 55.4 | 58.7 | 60.5 | 61.5 | 61.5 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| 18.1 | 55.6 | 59.7 | 62.5 | 63.8 | 63.8 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| 18.4 | 57.2 | 60.3 | 63.2 | 64.5 | 64.5 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| 18.4 | 58.9 | 62.3 | 65.2 | 66.5 | 66.5 | 67.1 | 67.1 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| 18.1 | 61.7 | 65.7 | 69.4 | 71.5 | 71.5 | 72.0 | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| 20.1 | 66.3 | 70.9 | 74.6 | 76.7 | 77.3 | 77.7 | 77.7 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| 20.8 | 68.7 | 71.9 | 75.5 | 77.7 | 78.3 | 78.7 | 78.8 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| 20.4 | 68.7 | 75.4 | 79.0 | 82.0 | 83.0 | 83.7 | 83.8 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| 20.7 | 70.4 | 77.4 | 82.2 | 86.1 | 87.4 | 88.2 | 88.7 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| 20.7 | 70.4 | 75.3 | 82.9 | 87.3 | 89.4 | 90.7 | 91.4 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| 20.7 | 70.4 | 78.5 | 83.3 | 88.4 | 90.2 | 91.7 | 92.7 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| 20.7 | 70.6 | 79.7 | 83.7 | 86.8 | 90.7 | 92.2 | 93.3 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| 20.7 | 70.9 | 79.7 | 84.3 | 89.6 | 91.5 | 93.0 | 94.2 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| 20.7 | 70.9 | 79.4 | 84.5 | 90.4 | 92.4 | 94.0 | 95.4 | 96.0 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| 20.7 | 70.9 | 79.4 | 84.5 | 90.7 | 92.9 | 94.6 | 96.1 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| 20.7 | 70.9 | 79.4 | 84.5 | 90.8 | 93.1 | 94.9 | 96.8 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 20.7 | 70.9 | 79.4 | 84.5 | 90.8 | 93.1 | 95.0 | 97.2 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 20.7 | 70.9 | 79.4 | 84.5 | 90.8 | 93.1 | 95.0 | 97.3 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 20.7 | 70.9 | 79.4 | 84.5 | 90.8 | 93.1 | 95.0 | 97.3 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 20.7 | 70.9 | 79.4 | 84.5 | 90.8 | 93.1 | 95.0 | 97.3 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |

TOTAL NUMBER OF OBSERVATIONS 145

LOCAL CLIMATE BUREAU
 METAC
 AIR WEATHER SERVICE

CEILING VERSUS VISIBILITY

WINDYVILLE AFB A

73-82

1954

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

11 7-1700

| CEILING | 100 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0 | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 100 | 42.9 | 44.0 | 45.9 | 46.5 | 45.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| 90 | 48.4 | 51.2 | 52.8 | 52.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| 80 | 49.4 | 51.8 | 53.4 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| 70 | 50.1 | 52.5 | 54.1 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| 60 | 51.5 | 52.5 | 55.4 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| 50 | 52.4 | 55.7 | 57.3 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 | 57.9 |
| 40 | 53.1 | 55.1 | 56.2 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| 30 | 53.4 | 55.5 | 56.8 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| 20 | 55.2 | 55.2 | 59.2 | 61.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| 10 | 56.7 | 61.0 | 62.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| 0 | 57.2 | 61.3 | 63.2 | 64.8 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| 100 | 58.2 | 62.7 | 64.3 | 65.7 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| 90 | 60.2 | 64.4 | 67.3 | 68.3 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| 80 | 61.1 | 65.4 | 64.6 | 67.7 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| 70 | 64.4 | 69.3 | 72.5 | 73.9 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| 60 | 67.1 | 72.5 | 76.1 | 77.9 | 76.7 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 50 | 68.3 | 74.0 | 76.7 | 81.1 | 82.2 | 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 | 82.7 | 82.7 | 82.7 |
| 40 | 69.9 | 75.8 | 79.7 | 82.6 | 83.7 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| 30 | 71.5 | 77.2 | 82.0 | 85.1 | 86.2 | 86.6 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| 20 | 72.6 | 74.5 | 84.3 | 87.6 | 88.7 | 89.0 | 90.0 | 90.1 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| 10 | 72.9 | 81.3 | 85.1 | 89.4 | 90.5 | 92.2 | 92.7 | 92.8 | 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 |
| 100 | 73.0 | 80.5 | 85.3 | 88.7 | 91.0 | 92.9 | 93.5 | 93.6 | 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 |
| 90 | 73.2 | 82.9 | 85.7 | 92.1 | 91.4 | 93.5 | 94.1 | 94.6 | 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 |
| 80 | 73.4 | 81.2 | 86.1 | 90.4 | 91.3 | 94.1 | 95.3 | 95.9 | 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 |
| 70 | 73.4 | 81.2 | 86.2 | 92.3 | 92.3 | 94.7 | 96.2 | 96.9 | 97.5 | 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 |
| 60 | 73.4 | 81.2 | 86.2 | 91.7 | 92.3 | 95.0 | 96.6 | 97.4 | 98.3 | 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 |
| 50 | 73.4 | 81.2 | 86.2 | 91.7 | 92.6 | 95.0 | 96.6 | 97.4 | 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 |
| 40 | 73.4 | 81.2 | 86.2 | 91.0 | 92.6 | 95.0 | 96.6 | 97.4 | 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 |
| 30 | 73.4 | 81.2 | 86.2 | 91.0 | 92.6 | 95.0 | 96.6 | 97.4 | 98.7 | 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 |
| 20 | 73.4 | 81.2 | 86.2 | 91.0 | 92.6 | 95.0 | 96.6 | 97.4 | 98.7 | 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 |

TOTAL NUMBER OF OBSERVATIONS 144

GLOBAL CLIMATOLOGY BRANCH
 AFCE/TAC
 AIR LEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

3434.2 LITTLEVILLE AFB A

73-87

551

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

11-7-2001

| CEILING (FEET) | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 100 | 52.3 | 52.1 | 54.1 | 55.3 | 55.7 | 55.7 | 55.9 | 55.8 | 55.4 | 56.0 | 56.1 | 55.1 | 55.1 | 56.1 | 56.1 |
| 200 | 54.2 | 55.1 | 57.2 | 58.4 | 58.7 | 58.7 | 58.9 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 300 | 55.1 | 55.0 | 57.0 | 58.6 | 58.7 | 58.7 | 58.9 | 58.9 | 59.0 | 59.0 | 59.0 | 59.0 | 59.2 | 59.2 | 59.2 |
| 400 | 55.1 | 55.1 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.7 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 500 | 55.1 | 55.1 | 57.2 | 58.4 | 58.7 | 58.7 | 58.9 | 58.9 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 600 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 700 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 800 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 900 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 1000 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 1200 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 1400 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 1600 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 1800 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 2000 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 2200 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 2400 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 2600 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 2800 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 3000 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 3200 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 3400 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 3600 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 3800 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 4000 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 4200 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 4400 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 4600 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 4800 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| 5000 | 55.1 | 55.2 | 57.2 | 58.4 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |

TOTAL NUMBER OF OBSERVATIONS 42

FEDERAL BUREAU OF SURVEY
METAC
AND WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION PLYMOUTHVILLE AFB AR

73-57

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ALL

| CEILING (FT) | VISIBILITY (STAT MILES) | | | | | | | | | | | | | | | |
|--------------|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | 40.2 | 47.7 | 44.3 | 44.8 | 45.9 | 49.1 | 49.2 | 47.7 | 49.3 | 48.4 | 48.4 | 47.4 | 49.3 | 49.4 | 47.4 | 47.4 |
| 2 | 43.3 | 51.1 | 52.2 | 52.7 | 52.9 | 52.1 | 53.2 | 52.3 | 53.2 | 52.4 | 53.4 | 52.4 | 53.4 | 52.4 | 53.4 | 52.4 |
| 3 | 45.9 | 51.2 | 52.4 | 53.2 | 52.1 | 53.3 | 53.4 | 53.5 | 53.5 | 53.3 | 53.8 | 53.8 | 53.5 | 53.5 | 53.5 | 53.5 |
| 4 | 48.9 | 51.4 | 52.6 | 53.1 | 52.3 | 53.5 | 53.6 | 53.7 | 53.7 | 53.8 | 53.9 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| 5 | 41.1 | 47.6 | 51.1 | 53.5 | 53.2 | 54.0 | 54.2 | 54.3 | 54.4 | 54.4 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 6 | 52.7 | 54.7 | 56.5 | 58.7 | 58.9 | 57.1 | 57.2 | 57.2 | 57.3 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 7 | 52.2 | 55.7 | 56.4 | 57.1 | 57.2 | 57.5 | 57.6 | 57.6 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| 8 | 51.4 | 54.1 | 57.1 | 58.6 | 58.3 | 59.5 | 59.8 | 59.9 | 59.9 | 60.0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| 9 | 51.2 | 55.3 | 58.4 | 59.2 | 60.7 | 60.9 | 61.2 | 61.3 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| 10 | 52.4 | 58.5 | 59.8 | 61.2 | 62.0 | 62.3 | 62.6 | 62.7 | 62.7 | 62.8 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| 11 | 53.6 | 61.5 | 63.8 | 64.5 | 64.8 | 65.1 | 65.1 | 65.3 | 65.4 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| 12 | 59.6 | 63.1 | 65.5 | 66.2 | 66.4 | 66.7 | 66.8 | 66.8 | 66.9 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| 13 | 51.2 | 65.1 | 67.5 | 68.5 | 68.5 | 69.1 | 69.3 | 69.4 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| 14 | 62.6 | 66.7 | 68.9 | 70.2 | 70.6 | 70.9 | 71.1 | 71.1 | 71.2 | 71.2 | 71.3 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 |
| 15 | 65.0 | 69.5 | 71.8 | 73.1 | 73.8 | 73.9 | 74.1 | 74.2 | 74.2 | 74.3 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| 16 | 67.1 | 72.3 | 74.5 | 75.1 | 76.7 | 77.2 | 77.4 | 77.5 | 77.6 | 77.7 | 77.7 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| 17 | 68.5 | 74.7 | 77.5 | 79.4 | 82.1 | 82.2 | 81.1 | 81.2 | 81.4 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| 18 | 70.3 | 75.7 | 78.5 | 80.6 | 81.3 | 82.1 | 82.4 | 82.5 | 82.7 | 82.8 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| 19 | 72.2 | 77.4 | 81.3 | 83.6 | 84.5 | 85.5 | 85.6 | 85.6 | 86.1 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| 20 | 73.1 | 77.9 | 83.0 | 85.8 | 86.2 | 87.0 | 88.4 | 88.7 | 88.9 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 |
| 21 | 73.4 | 81.4 | 83.7 | 87.1 | 88.2 | 89.1 | 90.2 | 90.4 | 90.7 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 |
| 22 | 73.6 | 83.7 | 84.2 | 87.7 | 89.1 | 90.7 | 91.4 | 91.7 | 91.9 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| 23 | 73.7 | 81.7 | 84.5 | 88.1 | 89.6 | 91.4 | 92.2 | 92.5 | 92.9 | 93.1 | 93.1 | 93.2 | 93.2 | 93.3 | 93.4 | 93.4 |
| 24 | 73.9 | 81.3 | 84.2 | 88.7 | 90.2 | 92.1 | 93.1 | 93.5 | 94.0 | 94.2 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| 25 | 74.7 | 81.5 | 85.1 | 89.3 | 90.9 | 93.0 | 94.2 | 94.6 | 95.1 | 95.4 | 95.4 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 |
| 26 | 74.7 | 81.6 | 85.2 | 89.6 | 91.4 | 93.7 | 95.0 | 95.4 | 96.1 | 96.5 | 96.6 | 96.6 | 96.6 | 96.7 | 97.0 | 97.1 |
| 27 | 74.1 | 81.6 | 85.3 | 89.7 | 91.6 | 94.0 | 95.5 | 96.2 | 96.8 | 97.3 | 97.3 | 97.3 | 97.7 | 97.9 | 98.1 | 98.1 |
| 28 | 74.1 | 81.5 | 85.3 | 89.8 | 91.7 | 94.3 | 95.9 | 96.7 | 97.3 | 97.9 | 97.9 | 97.3 | 98.6 | 98.8 | 98.8 | 98.8 |
| 29 | 74.1 | 81.5 | 85.3 | 89.8 | 91.7 | 94.4 | 96.0 | 96.9 | 97.7 | 98.0 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 30 | 74.1 | 81.6 | 85.3 | 89.8 | 91.7 | 94.4 | 96.0 | 96.9 | 97.7 | 98.2 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |

TOTAL NUMBER OF OBSERVATIONS 5267

U.S. AIR FORCE
 AIR FORCE METEOROLOGICAL SERVICE/AFMCS

CEILING VERSUS VISIBILITY

STATION: WYTHEVILLE AFB, VA

73-87

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1-1-1952

| CEILING | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 100 | 45.2 | 45.3 | 45.7 | 45.9 | 47.1 | 47.1 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.3 | 47.4 | 47.5 | 47.6 | 47.7 | 47.8 | 47.9 | 48.0 | 48.1 | 48.2 | 48.3 | 48.4 | 48.5 | 48.6 | 48.7 | 48.8 | 48.9 | 49.0 | 49.1 | 49.2 | 49.3 | 49.4 | 49.5 | 49.6 | 49.7 | 49.8 | 49.9 | 50.0 | 50.1 | 50.2 | 50.3 | 50.4 | 50.5 | 50.6 | 50.7 | 50.8 | 50.9 | 51.0 | 51.1 | 51.2 | 51.3 | 51.4 | 51.5 | 51.6 | 51.7 | 51.8 | 51.9 | 52.0 | 52.1 | 52.2 | 52.3 | 52.4 | 52.5 | 52.6 | 52.7 | 52.8 | 52.9 | 53.0 | 53.1 | 53.2 | 53.3 | 53.4 | 53.5 | 53.6 | 53.7 | 53.8 | 53.9 | 54.0 | 54.1 | 54.2 | 54.3 | 54.4 | 54.5 | 54.6 | 54.7 | 54.8 | 54.9 | 55.0 | 55.1 | 55.2 | 55.3 | 55.4 | 55.5 | 55.6 | 55.7 | 55.8 | 55.9 | 56.0 | 56.1 | 56.2 | 56.3 | 56.4 | 56.5 | 56.6 | 56.7 | 56.8 | 56.9 | 57.0 | 57.1 | 57.2 | 57.3 | 57.4 | 57.5 | 57.6 | 57.7 | 57.8 | 57.9 | 58.0 | 58.1 | 58.2 | 58.3 | 58.4 | 58.5 | 58.6 | 58.7 | 58.8 | 58.9 | 59.0 | 59.1 | 59.2 | 59.3 | 59.4 | 59.5 | 59.6 | 59.7 | 59.8 | 59.9 | 60.0 | 60.1 | 60.2 | 60.3 | 60.4 | 60.5 | 60.6 | 60.7 | 60.8 | 60.9 | 61.0 | 61.1 | 61.2 | 61.3 | 61.4 | 61.5 | 61.6 | 61.7 | 61.8 | 61.9 | 62.0 | 62.1 | 62.2 | 62.3 | 62.4 | 62.5 | 62.6 | 62.7 | 62.8 | 62.9 | 63.0 | 63.1 | 63.2 | 63.3 | 63.4 | 63.5 | 63.6 | 63.7 | 63.8 | 63.9 | 64.0 | 64.1 | 64.2 | 64.3 | 64.4 | 64.5 | 64.6 | 64.7 | 64.8 | 64.9 | 65.0 | 65.1 | 65.2 | 65.3 | 65.4 | 65.5 | 65.6 | 65.7 | 65.8 | 65.9 | 66.0 | 66.1 | 66.2 | 66.3 | 66.4 | 66.5 | 66.6 | 66.7 | 66.8 | 66.9 | 67.0 | 67.1 | 67.2 | 67.3 | 67.4 | 67.5 | 67.6 | 67.7 | 67.8 | 67.9 | 68.0 | 68.1 | 68.2 | 68.3 | 68.4 | 68.5 | 68.6 | 68.7 | 68.8 | 68.9 | 69.0 | 69.1 | 69.2 | 69.3 | 69.4 | 69.5 | 69.6 | 69.7 | 69.8 | 69.9 | 70.0 | 70.1 | 70.2 | 70.3 | 70.4 | 70.5 | 70.6 | 70.7 | 70.8 | 70.9 | 71.0 | 71.1 | 71.2 | 71.3 | 71.4 | 71.5 | 71.6 | 71.7 | 71.8 | 71.9 | 72.0 | 72.1 | 72.2 | 72.3 | 72.4 | 72.5 | 72.6 | 72.7 | 72.8 | 72.9 | 73.0 | 73.1 | 73.2 | 73.3 | 73.4 | 73.5 | 73.6 | 73.7 | 73.8 | 73.9 | 74.0 | 74.1 | 74.2 | 74.3 | 74.4 | 74.5 | 74.6 | 74.7 | 74.8 | 74.9 | 75.0 | 75.1 | 75.2 | 75.3 | 75.4 | 75.5 | 75.6 | 75.7 | 75.8 | 75.9 | 76.0 | 76.1 | 76.2 | 76.3 | 76.4 | 76.5 | 76.6 | 76.7 | 76.8 | 76.9 | 77.0 | 77.1 | 77.2 | 77.3 | 77.4 | 77.5 | 77.6 | 77.7 | 77.8 | 77.9 | 78.0 | 78.1 | 78.2 | 78.3 | 78.4 | 78.5 | 78.6 | 78.7 | 78.8 | 78.9 | 79.0 | 79.1 | 79.2 | 79.3 | 79.4 | 79.5 | 79.6 | 79.7 | 79.8 | 79.9 | 80.0 | 80.1 | 80.2 | 80.3 | 80.4 | 80.5 | 80.6 | 80.7 | 80.8 | 80.9 | 81.0 | 81.1 | 81.2 | 81.3 | 81.4 | 81.5 | 81.6 | 81.7 | 81.8 | 81.9 | 82.0 | 82.1 | 82.2 | 82.3 | 82.4 | 82.5 | 82.6 | 82.7 | 82.8 | 82.9 | 83.0 | 83.1 | 83.2 | 83.3 | 83.4 | 83.5 | 83.6 | 83.7 | 83.8 | 83.9 | 84.0 | 84.1 | 84.2 | 84.3 | 84.4 | 84.5 | 84.6 | 84.7 | 84.8 | 84.9 | 85.0 | 85.1 | 85.2 | 85.3 | 85.4 | 85.5 | 85.6 | 85.7 | 85.8 | 85.9 | 86.0 | 86.1 | 86.2 | 86.3 | 86.4 | 86.5 | 86.6 | 86.7 | 86.8 | 86.9 | 87.0 | 87.1 | 87.2 | 87.3 | 87.4 | 87.5 | 87.6 | 87.7 | 87.8 | 87.9 | 88.0 | 88.1 | 88.2 | 88.3 | 88.4 | 88.5 | 88.6 | 88.7 | 88.8 | 88.9 | 89.0 | 89.1 | 89.2 | 89.3 | 89.4 | 89.5 | 89.6 | 89.7 | 89.8 | 89.9 | 90.0 | 90.1 | 90.2 | 90.3 | 90.4 | 90.5 | 90.6 | 90.7 | 90.8 | 90.9 | 91.0 | 91.1 | 91.2 | 91.3 | 91.4 | 91.5 | 91.6 | 91.7 | 91.8 | 91.9 | 92.0 | 92.1 | 92.2 | 92.3 | 92.4 | 92.5 | 92.6 | 92.7 | 92.8 | 92.9 | 93.0 | 93.1 | 93.2 | 93.3 | 93.4 | 93.5 | 93.6 | 93.7 | 93.8 | 93.9 | 94.0 | 94.1 | 94.2 | 94.3 | 94.4 | 94.5 | 94.6 | 94.7 | 94.8 | 94.9 | 95.0 | 95.1 | 95.2 | 95.3 | 95.4 | 95.5 | 95.6 | 95.7 | 95.8 | 95.9 | 96.0 | 96.1 | 96.2 | 96.3 | 96.4 | 96.5 | 96.6 | 96.7 | 96.8 | 96.9 | 97.0 | 97.1 | 97.2 | 97.3 | 97.4 | 97.5 | 97.6 | 97.7 | 97.8 | 97.9 | 98.0 | 98.1 | 98.2 | 98.3 | 98.4 | 98.5 | 98.6 | 98.7 | 98.8 | 98.9 | 99.0 | 99.1 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 537

CLIMATE BRANCH
METAC
WATER SERVICE/AC

CEILING VERSUS VISIBILITY

WYTHEVILLE AFB A

73-62

MA

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1012-1400

UNIT: STATUTE MILE

| CEILING | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 17.5 | 42.3 | 42.7 | 42.7 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 |
| 18.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| 17.4 | 51.4 | 51.4 | 52.1 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| 18.4 | 51.7 | 52.1 | 52.3 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| 19.9 | 52.5 | 53.1 | 53.2 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| 20.4 | 55.3 | 56.1 | 56.2 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 | 56.3 |
| 20.9 | 56.2 | 56.4 | 57.0 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| 21.9 | 57.7 | 59.2 | 59.2 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 |
| 21.4 | 59.1 | 60.4 | 60.4 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| 21.9 | 61.0 | 61.4 | 61.7 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| 21.1 | 61.1 | 61.9 | 62.5 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| 21.1 | 61.0 | 62.4 | 63.3 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| 21.7 | 62.2 | 64.3 | 64.8 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| 22.3 | 63.7 | 66.7 | 66.8 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| 23.4 | 69.7 | 72.2 | 73.5 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 24.1 | 73.1 | 77.4 | 78.2 | 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 | 78.8 | 78.8 | 78.8 | 78.8 |
| 24.9 | 76.6 | 82.2 | 83.5 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| 24.5 | 77.4 | 83.9 | 84.7 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| 24.4 | 78.8 | 85.7 | 86.9 | 87.0 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| 24.4 | 81.3 | 89.9 | 91.0 | 92.7 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| 24.7 | 81.6 | 89.7 | 91.4 | 92.7 | 94.2 | 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 |
| 24.7 | 81.6 | 89.9 | 91.6 | 94.1 | 94.7 | 95.8 | 95.9 | 96.7 | 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 |
| 24.1 | 81.7 | 92.1 | 92.0 | 94.5 | 95.2 | 96.6 | 96.7 | 96.6 | 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 |
| 24.1 | 81.7 | 92.1 | 92.0 | 94.6 | 95.5 | 97.0 | 97.1 | 97.0 | 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 |
| 24.1 | 81.7 | 92.1 | 92.0 | 94.9 | 95.9 | 97.5 | 98.1 | 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 |
| 24.1 | 81.7 | 92.1 | 92.0 | 95.1 | 96.1 | 97.8 | 98.5 | 98.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 24.1 | 81.7 | 92.1 | 92.0 | 95.1 | 96.2 | 98.1 | 98.7 | 99.1 | 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 |
| 24.1 | 81.7 | 92.1 | 92.0 | 95.1 | 96.2 | 98.0 | 98.7 | 99.1 | 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 |
| 24.1 | 81.7 | 92.1 | 92.0 | 95.1 | 96.2 | 98.0 | 98.7 | 99.1 | 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 |
| 24.1 | 81.7 | 92.1 | 92.0 | 95.1 | 96.2 | 98.0 | 98.7 | 99.1 | 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 |
| 24.1 | 81.7 | 92.1 | 92.0 | 95.1 | 96.2 | 98.0 | 98.7 | 99.1 | 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 |

TOTAL NUMBER OF OBSERVATIONS 972

CEILING VERSUS VISIBILITY

STATION: GLYTHEVILLE AFB TX

YEAR: 73-97

FORM: 1102

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

NO. OF YEARS: 25

| CEILING (FEET) | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 40 | 43.8 | 44.5 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 |
| 42 | 52.5 | 53.2 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| 44 | 52.7 | 53.4 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| 46 | 53.1 | 53.8 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| 48 | 53.7 | 54.4 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| 50 | 54.5 | 55.2 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| 52 | 57.1 | 57.8 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| 54 | 60.8 | 61.5 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| 56 | 61.6 | 62.3 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| 58 | 62.8 | 63.5 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| 60 | 64.2 | 64.9 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| 62 | 67.2 | 67.9 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| 64 | 67.6 | 68.3 | 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 |
| 66 | 71.3 | 72.0 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| 68 | 71.8 | 72.5 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| 70 | 76.3 | 77.0 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| 72 | 78.9 | 79.6 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| 74 | 79.8 | 80.5 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 76 | 81.1 | 81.8 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 78 | 82.1 | 82.8 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| 80 | 82.3 | 83.0 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| 82 | 89.1 | 89.8 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| 84 | 91.1 | 91.8 | 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 |
| 86 | 93.8 | 94.5 | 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 |
| 88 | 94.7 | 95.4 | 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 |
| 90 | 95.6 | 96.3 | 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 |
| 92 | 96.7 | 97.4 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 94 | 97.5 | 98.2 | 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 |
| 96 | 97.8 | 98.5 | 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 |
| 98 | 98.5 | 99.2 | 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 |
| 100 | 98.5 | 99.2 | 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 |
| 102 | 98.5 | 99.2 | 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 |
| 104 | 98.5 | 99.2 | 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 |
| 106 | 98.5 | 99.2 | 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 |
| 108 | 98.5 | 99.2 | 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 |
| 110 | 98.5 | 99.2 | 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 |
| 112 | 98.5 | 99.2 | 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 |
| 114 | 98.5 | 99.2 | 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 |
| 116 | 98.5 | 99.2 | 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 |
| 118 | 98.5 | 99.2 | 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 |
| 120 | 98.5 | 99.2 | 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 |

TOTAL NUMBER OF OBSERVATIONS: 25

FEDERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

123456 GLYTHEVILLE AFB AL
STATION NAME

73-37

54

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-1-2-2-2-2-2

| CEILING (FEET) | 20 | 26 | 32 | 38 | 44 | 50 | 56 | 62 | 68 | 74 | 80 | 86 | 92 | 98 | 104 | 110 | 116 | 122 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 20 | 21.0 | 45.1 | 45.7 | 45.8 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| 24 | 24.3 | 53.1 | 53.2 | 54.1 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| 28 | 24.7 | 53.5 | 54.3 | 54.4 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| 32 | 25.1 | 53.9 | 54.5 | 54.7 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| 36 | 27.2 | 54.6 | 55.4 | 55.5 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| 40 | 27.7 | 58.4 | 59.4 | 59.9 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| 44 | 27.1 | 58.9 | 59.9 | 60.4 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| 48 | 27.9 | 62.7 | 64.2 | 64.7 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| 52 | 29.1 | 64.3 | 65.7 | 66.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| 56 | 29.7 | 66.3 | 69.0 | 69.9 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| 60 | 31.3 | 67.6 | 71.2 | 72.7 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 64 | 31.2 | 70.8 | 73.1 | 73.9 | 74.2 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| 68 | 31.5 | 72.3 | 75.1 | 75.8 | 76.2 | 76.3 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| 72 | 32.4 | 74.1 | 77.7 | 77.7 | 78.2 | 78.3 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| 76 | 32.7 | 76.7 | 79.6 | 80.5 | 81.1 | 81.1 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| 80 | 33.1 | 81.0 | 83.7 | 84.8 | 85.5 | 85.6 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| 84 | 33.5 | 81.5 | 86.3 | 87.5 | 88.7 | 88.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| 88 | 33.5 | 82.0 | 86.7 | 88.0 | 89.5 | 89.7 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| 92 | 34.2 | 83.7 | 89.1 | 91.1 | 92.8 | 93.0 | 93.3 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| 96 | 34.2 | 83.7 | 89.6 | 91.1 | 92.8 | 93.1 | 93.9 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| 100 | 34.5 | 84.2 | 90.2 | 91.7 | 93.7 | 94.1 | 94.9 | 94.9 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 104 | 34.8 | 84.3 | 90.4 | 91.9 | 94.1 | 94.4 | 95.3 | 95.5 | 95.5 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| 108 | 34.5 | 84.3 | 90.9 | 92.7 | 94.8 | 95.2 | 96.0 | 96.2 | 96.2 | 96.2 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 112 | 34.8 | 84.5 | 91.3 | 93.1 | 95.6 | 95.9 | 96.9 | 97.1 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 116 | 34.3 | 84.5 | 91.3 | 93.2 | 95.7 | 96.1 | 97.1 | 97.5 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| 120 | 34.6 | 84.5 | 91.3 | 93.2 | 95.8 | 96.5 | 97.5 | 98.1 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| 124 | 34.6 | 84.5 | 91.3 | 93.2 | 95.8 | 96.5 | 97.8 | 98.3 | 98.3 | 98.3 | 98.5 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| 128 | 34.6 | 84.5 | 91.3 | 93.3 | 95.9 | 96.6 | 98.0 | 98.4 | 98.4 | 98.4 | 98.8 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 132 | 34.6 | 84.5 | 91.3 | 93.3 | 95.9 | 96.6 | 98.0 | 98.4 | 98.4 | 98.4 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 136 | 34.6 | 84.5 | 91.3 | 93.3 | 95.9 | 96.6 | 98.0 | 98.4 | 98.4 | 98.4 | 99.0 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 140 | 34.6 | 84.5 | 91.3 | 93.3 | 95.9 | 96.6 | 98.0 | 98.4 | 98.4 | 98.4 | 99.0 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 970

CLIMATE CLIMATOLOGY BRANCH
 AFCEETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

12 APR 54 GLYTHEVILLE AFB AR
STATION NAME

73-37
YEAR

110-2000
SCALE

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| CEILING (FEET) | 20 | 26 | 31 | 34 | 37 | 40 | 43 | 46 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 24.4 | 51.1 | 51.1 | 51.6 | 51.8 | 51.8 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| 26.4 | 56.1 | 56.3 | 56.8 | 57.0 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| 28.4 | 56.1 | 56.3 | 56.9 | 57.1 | 57.1 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| 30.4 | 56.1 | 56.3 | 56.9 | 57.1 | 57.1 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| 32.4 | 57.4 | 57.7 | 57.8 | 58.1 | 58.1 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| 34.4 | 57.5 | 57.5 | 57.8 | 58.4 | 58.6 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| 36.4 | 59.5 | 59.9 | 60.7 | 60.8 | 61.0 | 61.0 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 38.4 | 60.9 | 60.4 | 60.4 | 61.3 | 61.5 | 61.5 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| 40.4 | 61.4 | 64.4 | 64.4 | 65.5 | 65.7 | 65.7 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| 42.4 | 62.1 | 65.7 | 66.7 | 67.3 | 67.5 | 67.5 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| 44.4 | 62.7 | 66.9 | 69.2 | 69.8 | 69.8 | 69.8 | 69.1 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| 46.4 | 63.3 | 70.4 | 71.7 | 72.7 | 73.0 | 73.1 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| 48.4 | 64.0 | 73.5 | 75.5 | 76.3 | 76.8 | 76.9 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 50.4 | 64.9 | 75.1 | 77.2 | 78.1 | 78.6 | 78.8 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| 52.4 | 65.5 | 76.3 | 78.6 | 79.6 | 80.1 | 80.3 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| 54.4 | 66.1 | 76.4 | 81.6 | 81.6 | 82.3 | 82.5 | 82.7 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| 56.4 | 67.1 | 81.4 | 83.9 | 84.8 | 85.7 | 85.9 | 86.1 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| 58.4 | 67.4 | 83.7 | 86.6 | 87.6 | 88.8 | 89.0 | 89.2 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| 60.4 | 67.4 | 83.8 | 87.7 | 88.1 | 89.2 | 89.5 | 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 |
| 62.4 | 68.2 | 85.3 | 88.7 | 90.1 | 91.5 | 91.8 | 92.0 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 64.4 | 68.9 | 86.1 | 89.7 | 91.1 | 92.6 | 92.9 | 93.2 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 66.4 | 69.1 | 86.5 | 91.0 | 91.4 | 92.9 | 93.2 | 93.5 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| 68.4 | 69.4 | 87.1 | 90.6 | 92.0 | 93.5 | 94.1 | 94.5 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| 70.4 | 69.4 | 87.3 | 90.8 | 92.3 | 93.9 | 94.5 | 94.9 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| 72.4 | 69.4 | 87.4 | 91.2 | 92.6 | 94.5 | 95.3 | 95.8 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 74.4 | 69.4 | 87.4 | 91.2 | 92.7 | 95.1 | 95.9 | 96.6 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| 76.4 | 69.4 | 87.4 | 91.2 | 92.7 | 95.2 | 96.0 | 96.7 | 97.5 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| 78.4 | 69.4 | 87.4 | 91.2 | 92.7 | 95.3 | 96.1 | 97.0 | 98.2 | 98.7 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 80.4 | 69.4 | 87.4 | 91.1 | 92.8 | 95.6 | 96.5 | 97.3 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 82.4 | 69.4 | 87.5 | 91.1 | 92.8 | 95.6 | 96.5 | 97.3 | 98.5 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| 84.4 | 69.4 | 87.5 | 91.1 | 92.8 | 95.6 | 96.5 | 97.3 | 98.5 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| 86.4 | 69.4 | 87.5 | 91.1 | 92.8 | 95.6 | 96.5 | 97.3 | 98.5 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |

TOTAL NUMBER OF OBSERVATIONS 270

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

U.S. AIR FORCE
 METAC
 WEATHER SERVICE

CEILING VERSUS VISIBILITY

STATION: BLYTHEVILLE AFB, AR
 STATION NAME: BLYTHEVILLE AFB, AR

73-57

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

UNITS: FEET AND METERS

| CEILING (FEET) | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 100 | 44.1 | 45.7 | 46.0 | 45.0 | 45.1 | 45.2 | 46.3 | 46.7 | 46.7 | 46.7 | 46.3 | 46.4 | 46.4 | 46.4 | 46.6 | |
| 110 | 51.3 | 51.3 | 51.9 | 52.2 | 52.3 | 52.5 | 52.3 | 52.5 | 52.5 | 52.6 | 52.6 | 52.6 | 52.5 | 52.2 | 52.7 | 53.0 |
| 120 | 51.3 | 51.6 | 52.2 | 52.5 | 52.5 | 52.5 | 52.3 | 52.3 | 52.5 | 52.5 | 52.9 | 52.9 | 52.9 | 53.0 | 53.0 | 53.7 |
| 130 | 51.3 | 51.5 | 52.4 | 52.7 | 52.8 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.2 | 53.2 | 53.2 | 53.4 |
| 140 | 51.0 | 52.3 | 52.9 | 53.2 | 53.3 | 53.5 | 53.3 | 53.7 | 53.6 | 53.6 | 53.6 | 53.6 | 53.7 | 53.7 | 53.7 | 53.5 |
| 150 | 52.3 | 52.1 | 53.4 | 54.0 | 54.3 | 54.4 | 54.6 | 54.7 | 54.7 | 54.7 | 54.9 | 54.9 | 54.8 | 54.7 | 54.9 | 55.1 |
| 160 | 55.6 | 57.7 | 57.7 | 58.1 | 58.2 | 58.4 | 58.4 | 58.4 | 58.7 | 58.5 | 58.5 | 58.5 | 58.6 | 58.6 | 58.7 | 58.7 |
| 170 | 58.2 | 57.7 | 58.3 | 58.7 | 58.9 | 59.2 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.3 | 59.3 | 59.3 | 59.3 |
| 180 | 57.6 | 61.3 | 62.1 | 62.5 | 62.7 | 62.8 | 62.9 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.1 | 63.1 | 63.2 | 63.4 |
| 190 | 60.4 | 62.1 | 63.3 | 63.8 | 63.9 | 64.1 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.4 | 64.4 | 64.4 | 64.6 |
| 200 | 61.7 | 63.7 | 64.6 | 65.1 | 65.3 | 65.5 | 65.6 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.8 | 65.8 | 65.8 | 66.0 |
| 210 | 64.3 | 66.7 | 67.7 | 68.3 | 68.5 | 68.6 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 69.0 | 69.0 | 69.1 | 69.3 |
| 220 | 66.2 | 66.7 | 69.6 | 70.4 | 70.6 | 70.8 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.2 | 71.2 | 71.2 | 71.4 |
| 230 | 67.7 | 70.5 | 71.5 | 72.2 | 72.5 | 72.7 | 73.0 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.2 | 73.2 | 73.4 |
| 240 | 68.9 | 71.4 | 72.0 | 73.8 | 74.3 | 74.3 | 74.5 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 | 74.8 | 75.0 |
| 250 | 71.2 | 75.3 | 76.5 | 77.4 | 77.7 | 78.2 | 78.2 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.5 | 78.5 | 78.7 |
| 260 | 75.7 | 79.4 | 81.7 | 81.9 | 82.1 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.1 | 83.1 | 83.3 |
| 270 | 78.5 | 82.9 | 84.5 | 85.9 | 86.2 | 86.7 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.4 | 87.5 |
| 280 | 79.0 | 83.0 | 85.2 | 85.8 | 87.1 | 87.6 | 88.1 | 88.1 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.4 | 88.6 |
| 290 | 80.5 | 85.7 | 87.6 | 89.4 | 89.9 | 90.5 | 91.1 | 91.1 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.6 |
| 300 | 81.4 | 86.4 | 89.0 | 91.1 | 91.7 | 92.4 | 93.0 | 93.0 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.4 | 93.6 |
| 310 | 81.3 | 87.5 | 89.6 | 91.8 | 92.5 | 93.3 | 94.0 | 94.1 | 94.3 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.6 | 94.8 |
| 320 | 82.1 | 87.8 | 89.9 | 92.3 | 93.0 | 94.0 | 94.7 | 94.8 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.3 | 95.5 |
| 330 | 82.2 | 88.0 | 90.2 | 92.7 | 93.4 | 94.4 | 95.3 | 95.4 | 95.6 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.9 | 96.2 |
| 340 | 82.3 | 88.7 | 90.5 | 93.2 | 94.0 | 95.2 | 96.2 | 96.3 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.7 | 96.8 | 97.1 |
| 350 | 82.4 | 89.1 | 90.6 | 93.5 | 94.4 | 95.7 | 96.3 | 97.0 | 97.1 | 97.2 | 97.2 | 97.3 | 97.3 | 97.4 | 97.5 | 97.8 |
| 360 | 82.4 | 89.3 | 91.7 | 93.6 | 94.6 | 95.9 | 97.2 | 97.4 | 97.7 | 97.8 | 97.8 | 97.8 | 97.9 | 98.0 | 98.1 | 98.3 |
| 370 | 82.4 | 89.4 | 90.7 | 93.7 | 94.8 | 96.4 | 97.9 | 98.2 | 98.5 | 98.7 | 98.7 | 98.8 | 98.9 | 98.9 | 99.1 | 99.4 |
| 380 | 82.4 | 89.4 | 90.7 | 93.7 | 94.8 | 96.4 | 98.0 | 98.3 | 98.7 | 98.9 | 99.0 | 99.0 | 99.2 | 99.4 | 99.5 | 99.8 |
| 390 | 82.4 | 89.4 | 90.7 | 93.7 | 94.8 | 96.4 | 98.0 | 98.3 | 98.7 | 98.9 | 99.0 | 99.0 | 99.2 | 99.4 | 99.5 | 99.9 |
| 400 | 82.4 | 89.4 | 90.7 | 93.7 | 94.8 | 96.4 | 98.0 | 98.3 | 98.7 | 98.9 | 99.0 | 99.0 | 99.2 | 99.4 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7439

CEILING VERSUS VISIBILITY

47495 ALTYREVILLE AFB AL

73-37

41

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

7307-0500

VISIBILITY IN STATUTE MILES

| CEILING | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1 | 57.1 | 58.9 | 58.4 | 58.7 | 58.9 | 58.9 | 57.7 | 57.1 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| 2 | 58.7 | 58.6 | 61.2 | 61.6 | 62.2 | 62.2 | 61.0 | 61.1 | 61.1 | 61.2 | 61.0 | 61.3 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 3 | 58.7 | 58.6 | 60.2 | 60.0 | 60.9 | 60.9 | 61.0 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| 4 | 58.7 | 58.6 | 62.2 | 62.4 | 62.9 | 62.2 | 61.0 | 61.1 | 61.1 | 61.2 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 5 | 58.7 | 58.7 | 61.4 | 61.5 | 61.1 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 6 | 62.1 | 62.4 | 61.7 | 62.1 | 62.4 | 62.4 | 62.6 | 62.6 | 62.4 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| 7 | 62.7 | 62.9 | 65.1 | 65.4 | 65.9 | 65.9 | 66.0 | 66.1 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| 8 | 65.7 | 65.0 | 65.2 | 65.0 | 66.2 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| 9 | 65.1 | 67.7 | 68.0 | 69.4 | 69.4 | 69.4 | 68.6 | 68.6 | 69.1 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| 10 | 67.1 | 69.7 | 69.7 | 71.2 | 72.4 | 72.4 | 70.8 | 70.8 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| 11 | 69.1 | 71.9 | 71.9 | 72.1 | 72.6 | 72.6 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| 12 | 72.1 | 72.3 | 75.2 | 75.6 | 76.1 | 76.1 | 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 |
| 13 | 73.2 | 76.7 | 77.1 | 77.4 | 77.4 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| 14 | 76.2 | 72.4 | 81.4 | 81.1 | 81.3 | 81.8 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| 15 | 75.1 | 81.1 | 82.4 | 81.1 | 83.3 | 83.8 | 83.3 | 83.3 | 83.8 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 16 | 81.1 | 85.1 | 85.2 | 86.6 | 86.6 | 87.2 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| 17 | 82.8 | 86.8 | 88.1 | 89.9 | 89.4 | 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 |
| 18 | 85.0 | 89.2 | 90.4 | 91.7 | 92.2 | 92.2 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| 19 | 85.3 | 89.6 | 90.9 | 92.1 | 92.7 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 20 | 85.8 | 90.1 | 91.9 | 93.1 | 93.7 | 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 |
| 21 | 86.4 | 91.9 | 92.4 | 94.1 | 94.7 | 95.4 | 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 |
| 22 | 86.7 | 91.1 | 92.9 | 94.6 | 95.1 | 95.9 | 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 |
| 23 | 97.3 | 91.4 | 93.2 | 94.9 | 95.4 | 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 |
| 24 | 91.2 | 91.8 | 93.8 | 95.6 | 96.1 | 96.9 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 25 | 97.4 | 92.1 | 94.2 | 96.0 | 96.0 | 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 |
| 26 | 97.7 | 92.3 | 94.4 | 96.3 | 97.1 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 27 | 97.7 | 92.3 | 94.7 | 96.7 | 97.6 | 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 |
| 28 | 97.7 | 92.3 | 94.7 | 96.7 | 97.7 | 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 |
| 29 | 98.1 | 92.5 | 95.1 | 97.2 | 98.2 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 30 | 98.1 | 92.5 | 95.1 | 97.2 | 98.2 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 31 | 98.1 | 92.5 | 95.1 | 97.2 | 98.2 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 32 | 98.1 | 92.5 | 95.1 | 97.2 | 98.2 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 33 | 98.1 | 92.5 | 95.1 | 97.2 | 98.2 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 34 | 98.1 | 92.5 | 95.1 | 97.2 | 98.2 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 35 | 98.1 | 92.5 | 95.1 | 97.2 | 98.2 | 99.9 | 100.0 | 100.0 | 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 920

FEDERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

210-9 COLUMBIAVILLE AFB AL 70-90

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

USDA STATE WEATHER SERVICE

| CEILING | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1000 | 12.3 | 4.7 | 51.1 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| 900 | 13.7 | 54.2 | 57.0 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| 800 | 13.7 | 54.2 | 57.0 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| 700 | 13.7 | 55.4 | 59.4 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| 600 | 13.7 | 55.3 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| 500 | 14.1 | 57.3 | 63.7 | 65.4 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| 400 | 14.1 | 57.3 | 64.2 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| 300 | 14.7 | 62.0 | 67.7 | 69.1 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| 200 | 14.2 | 63.8 | 69.3 | 71.1 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| 100 | 15.2 | 65.1 | 71.7 | 72.5 | 72.9 | 72.9 | 72.9 | 72.9 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 0 | 15.2 | 67.3 | 73.4 | 75.5 | 75.1 | 75.1 | 75.1 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| 1000 | 16.3 | 68.9 | 75.4 | 77.5 | 78.6 | 78.6 | 78.6 | 78.6 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| 900 | 17.5 | 71.1 | 77.8 | 80.0 | 81.1 | 81.2 | 81.2 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| 800 | 17.7 | 72.2 | 79.3 | 81.6 | 82.8 | 82.9 | 83.0 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| 700 | 17.1 | 74.2 | 81.7 | 83.6 | 85.1 | 85.2 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| 600 | 17.5 | 75.6 | 83.1 | 85.4 | 87.1 | 87.3 | 88.1 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| 500 | 17.6 | 77.1 | 85.0 | 87.8 | 89.3 | 89.5 | 90.4 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| 400 | 17.7 | 77.3 | 85.2 | 87.8 | 89.7 | 89.9 | 90.9 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 300 | 17.7 | 77.8 | 86.2 | 88.9 | 90.9 | 91.1 | 92.3 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| 200 | 17.7 | 78.4 | 87.3 | 90.0 | 92.2 | 92.4 | 93.8 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 100 | 17.7 | 78.9 | 87.9 | 90.7 | 93.0 | 93.2 | 94.5 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 1000 | 17.7 | 79.4 | 88.5 | 91.3 | 93.8 | 94.1 | 95.6 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| 900 | 17.7 | 79.6 | 88.9 | 91.8 | 94.3 | 94.7 | 96.1 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 800 | 17.7 | 79.6 | 88.9 | 91.9 | 94.4 | 94.8 | 96.2 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| 700 | 17.7 | 79.6 | 88.9 | 92.1 | 94.7 | 95.3 | 96.7 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 600 | 17.7 | 79.6 | 88.9 | 92.3 | 95.1 | 95.6 | 97.3 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| 500 | 17.7 | 79.9 | 89.1 | 92.8 | 95.9 | 96.4 | 98.3 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 400 | 17.7 | 79.9 | 89.1 | 92.8 | 96.0 | 96.6 | 98.4 | 99.2 | 99.3 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 300 | 17.7 | 79.9 | 89.1 | 92.8 | 96.0 | 96.6 | 98.4 | 99.2 | 99.3 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 200 | 17.7 | 79.9 | 89.1 | 92.8 | 96.0 | 96.6 | 98.4 | 99.2 | 99.3 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 100 | 17.7 | 79.9 | 89.1 | 92.8 | 96.0 | 96.6 | 98.4 | 99.2 | 99.3 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 525

CEILING VERSUS VISIBILITY

LYONS, ILL. AFB 1

73-80

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

010-1101

VISIBILITY STAT IN MILES

| | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| 17.3 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| 18.3 | 59.1 | 59.4 | 59.4 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| 19.4 | 59.2 | 59.8 | 59.6 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| 20.1 | 59.3 | 59.7 | 59.7 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| 21.7 | 59.7 | 60.1 | 60.0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| 22.1 | 60.2 | 61.1 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 23.1 | 64.4 | 65.1 | 65.0 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| 24.4 | 64.2 | 65.4 | 65.4 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| 25.1 | 64.1 | 63.8 | 64.8 | 64.0 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| 26.1 | 69.3 | 70.1 | 70.1 | 70.2 | 70.3 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| 27.2 | 70.4 | 71.1 | 71.1 | 71.3 | 71.4 | 71.4 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| 28.3 | 72.2 | 74.1 | 74.0 | 74.2 | 74.3 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| 29.1 | 74.0 | 75.4 | 75.4 | 75.8 | 75.9 | 75.9 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| 31.4 | 75.7 | 77.1 | 77.3 | 77.3 | 77.2 | 77.2 | 78.1 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| 32.7 | 77.4 | 81.4 | 81.2 | 82.6 | 82.3 | 82.8 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| 32.1 | 81.8 | 84.1 | 84.6 | 85.4 | 85.7 | 85.8 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| 32.1 | 82.2 | 85.8 | 86.1 | 87.0 | 87.3 | 87.4 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 32.1 | 83.4 | 85.9 | 86.3 | 87.2 | 87.6 | 87.7 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| 33.1 | 86.2 | 89.7 | 89.3 | 90.4 | 90.6 | 91.4 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 33.1 | 88.3 | 91.9 | 91.6 | 93.0 | 93.6 | 94.3 | 94.4 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 33.1 | 89.2 | 91.9 | 92.6 | 94.1 | 94.9 | 95.7 | 95.8 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| 33.2 | 87.8 | 92.8 | 92.4 | 95.0 | 96.0 | 96.8 | 96.9 | 97.1 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 33.1 | 90.3 | 93.4 | 94.2 | 95.9 | 97.0 | 97.2 | 97.9 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 33.3 | 90.6 | 93.7 | 94.4 | 96.1 | 97.2 | 98.0 | 98.1 | 98.4 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 33.3 | 90.6 | 93.7 | 94.4 | 96.2 | 97.6 | 98.4 | 98.4 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 31.3 | 90.6 | 93.7 | 94.4 | 96.3 | 97.8 | 98.8 | 99.0 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 33.3 | 90.6 | 93.7 | 94.4 | 96.3 | 97.9 | 99.0 | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 33.3 | 90.6 | 93.7 | 94.4 | 96.3 | 97.9 | 99.0 | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 33.3 | 90.6 | 93.7 | 94.4 | 96.3 | 97.9 | 99.0 | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 23.3 | 90.6 | 93.7 | 94.4 | 96.3 | 97.9 | 99.0 | 99.3 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

73-82 SLYTHEVILLE AFB AR
STATION NAME

73-82

AR

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

12-2-1965

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | 20 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 |
| 1000 | 14.3 | 49.2 | 49.3 | 49.8 | 51.0 | 50.3 | 50.7 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| 800 | 20.2 | 59.7 | 59.3 | 59.3 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| 600 | 20.4 | 59.6 | 60.2 | 60.2 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| 400 | 20.0 | 59.6 | 60.2 | 60.2 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 |
| 200 | 20.7 | 60.4 | 61.1 | 61.1 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| 100 | 21.1 | 62.7 | 62.7 | 62.7 | 63.2 | 63.4 | 63.1 | 63.1 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| 50 | 21.5 | 65.1 | 65.9 | 65.8 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| 30 | 21.7 | 65.2 | 65.9 | 65.9 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| 20 | 22.3 | 67.7 | 69.3 | 69.3 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| 15 | 22.3 | 67.9 | 69.6 | 69.9 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| 10 | 22.4 | 69.9 | 70.6 | 71.0 | 71.3 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| 8 | 23.0 | 71.3 | 72.1 | 72.6 | 72.9 | 72.9 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| 6 | 23.4 | 72.2 | 73.0 | 73.6 | 74.1 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 |
| 4 | 24.0 | 74.7 | 75.6 | 76.6 | 76.9 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| 3 | 25.3 | 76.4 | 78.1 | 79.0 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| 2 | 26.0 | 82.1 | 84.1 | 85.2 | 85.7 | 85.8 | 86.0 | 86.0 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| 1 | 26.1 | 83.9 | 86.2 | 87.3 | 87.9 | 88.0 | 88.2 | 88.2 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 0 | 26.4 | 86.0 | 88.6 | 89.5 | 90.4 | 90.6 | 90.9 | 90.9 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 0 | 26.4 | 86.3 | 88.9 | 90.1 | 90.9 | 90.9 | 91.2 | 91.2 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| 0 | 26.3 | 88.2 | 91.4 | 92.1 | 93.1 | 93.2 | 93.7 | 93.7 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| 0 | 26.7 | 89.3 | 92.2 | 93.9 | 95.2 | 95.3 | 96.0 | 96.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| 0 | 26.7 | 89.8 | 92.9 | 94.6 | 96.0 | 96.1 | 96.8 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| 0 | 27.0 | 90.0 | 93.2 | 94.9 | 96.3 | 96.4 | 97.1 | 97.1 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 0 | 27.0 | 90.4 | 93.0 | 95.6 | 97.2 | 97.3 | 98.0 | 98.1 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 0 | 27.1 | 90.4 | 93.0 | 95.6 | 97.2 | 97.0 | 98.2 | 98.3 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 0 | 27.1 | 90.6 | 94.0 | 95.7 | 97.4 | 97.8 | 98.7 | 98.8 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 0 | 27.0 | 90.6 | 94.0 | 95.7 | 97.8 | 98.1 | 99.0 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 0 | 27.0 | 90.6 | 94.0 | 95.7 | 97.8 | 98.1 | 99.0 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 0 | 27.1 | 90.2 | 94.0 | 95.7 | 97.8 | 98.2 | 99.1 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 27.1 | 90.6 | 94.0 | 95.7 | 97.8 | 98.2 | 99.1 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 27.0 | 90.6 | 94.0 | 95.7 | 97.8 | 98.2 | 99.1 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 920

CEILING VERSUS VISIBILITY

1955-56 WILLYHEVILLE AFB A

73-37

31

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

10-2-1720

| CEILING | 1000 | 900 | 800 | 700 | 600 | 500 | 400 | 300 | 200 | 100 | 0 | 1000 | 900 | 800 | 700 | 600 | 500 | 400 | 300 | 200 | 100 | 0 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1000 | 11.3 | 9.2 | 91.7 | 91.7 | 91.4 | 91.4 | 91.7 | 91.3 | 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 |
| 900 | 22.4 | 51.7 | 51.1 | 51.2 | 51.2 | 51.3 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
| 800 | 33.4 | 63.8 | 61.3 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| 700 | 43.4 | 71.1 | 61.2 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| 600 | 54.1 | 81.4 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| 500 | 64.1 | 83.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| 400 | 74.1 | 86.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| 300 | 84.1 | 86.6 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| 200 | 93.2 | 93.7 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| 100 | 93.3 | 91.1 | 71.2 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| 0 | 93.3 | 72.2 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| 1000 | 93.1 | 74.8 | 75.2 | 76.1 | 76.7 | 76.9 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| 900 | 93.7 | 76.0 | 77.1 | 77.6 | 78.7 | 78.4 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| 800 | 93.7 | 77.1 | 82.3 | 82.4 | 81.6 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 700 | 93.3 | 81.3 | 82.5 | 83.2 | 84.1 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| 600 | 93.6 | 84.2 | 86.1 | 86.7 | 87.7 | 88.2 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| 500 | 93.9 | 86.1 | 89.7 | 89.1 | 90.1 | 90.4 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| 400 | 93.9 | 88.2 | 92.7 | 91.7 | 92.8 | 93.1 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| 300 | 93.9 | 88.6 | 91.0 | 92.0 | 93.1 | 93.6 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| 200 | 93.1 | 89.2 | 92.4 | 93.7 | 94.2 | 95.3 | 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 |
| 100 | 93.2 | 91.3 | 92.7 | 93.2 | 94.6 | 95.1 | 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 | 95.4 | 95.4 |
| 1000 | 93.3 | 91.1 | 94.2 | 93.6 | 97.2 | 97.8 | 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 | 98.3 |
| 900 | 93.3 | 91.2 | 94.3 | 95.9 | 97.3 | 97.9 | 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 | 98.4 |
| 800 | 93.4 | 91.4 | 94.4 | 96.4 | 98.1 | 98.7 | 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 |
| 700 | 93.4 | 91.7 | 94.5 | 96.7 | 98.3 | 98.9 | 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 | 99.7 | 99.7 |
| 600 | 93.4 | 91.7 | 94.5 | 96.7 | 98.3 | 98.9 | 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 | 99.7 | 99.7 |
| 500 | 93.4 | 91.7 | 94.5 | 96.7 | 98.3 | 98.9 | 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 | 99.7 | 99.7 |
| 400 | 93.4 | 91.7 | 94.5 | 96.7 | 98.3 | 98.9 | 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 | 99.7 | 99.7 |
| 300 | 93.4 | 91.7 | 94.5 | 96.7 | 98.3 | 98.9 | 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 | 99.7 | 99.7 |
| 200 | 93.4 | 91.7 | 94.5 | 96.7 | 98.3 | 98.9 | 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 | 99.7 | 99.7 |
| 100 | 93.4 | 91.7 | 94.5 | 96.7 | 98.3 | 98.9 | 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 | 99.7 | 99.7 |
| 0 | 93.4 | 91.7 | 94.5 | 96.7 | 98.3 | 98.9 | 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 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 900

FEDERAL BUREAU OF SURVEY
 UNITED STATES AIR FORCE
 WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

STATION PLYMOUTHVILLE AFB A1
STATION NAME

73-80

APR

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1107-1000

| CEILING | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
|---------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 100 | 20.4 | 52.3 | 52.7 | 52.9 | 51.7 | 53.0 | 57.1 | 53.0 | 57.0 | 51.1 | 57.1 | 53.1 | 51.1 | 53.1 | 51.1 | 51.1 | 51.1 |
| 95 | 25.1 | 51.0 | 67.0 | 51.1 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.3 | 51.3 | 51.2 | 51.2 | 51.1 | 51.2 | 51.2 | 51.3 |
| 90 | 20.1 | 61.4 | 61.7 | 52.1 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| 85 | 20.1 | 61.7 | 62.1 | 52.2 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| 80 | 20.2 | 61.9 | 62.7 | 52.6 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 |
| 75 | 27.1 | 63.9 | 64.1 | 54.0 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| 70 | 27.2 | 63.3 | 64.9 | 54.3 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| 65 | 27.2 | 64.7 | 64.2 | 54.7 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| 60 | 29.3 | 72.5 | 73.2 | 73.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| 55 | 22.1 | 74.3 | 75.2 | 75.4 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| 50 | 31.4 | 76.0 | 76.1 | 77.3 | 77.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| 45 | 31.7 | 77.1 | 81.1 | 80.7 | 81.4 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| 40 | 31.1 | 80.0 | 81.2 | 82.1 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| 35 | 32.1 | 82.3 | 84.6 | 85.4 | 85.3 | 85.0 | 85.8 | 85.8 | 85.8 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| 30 | 32.9 | 84.0 | 85.5 | 86.9 | 87.8 | 88.0 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 25 | 32.2 | 86.0 | 88.1 | 89.1 | 89.1 | 89.2 | 89.6 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 20 | 33.3 | 87.7 | 91.1 | 91.6 | 92.6 | 92.3 | 93.0 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| 15 | 33.7 | 89.0 | 91.6 | 93.1 | 94.2 | 94.4 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| 10 | 33.1 | 89.2 | 91.8 | 93.3 | 94.4 | 94.7 | 94.9 | 94.9 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| 5 | 33.1 | 89.8 | 92.1 | 94.6 | 96.1 | 96.3 | 96.6 | 96.7 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| 0 | 33.3 | 90.3 | 93.3 | 95.2 | 97.0 | 97.2 | 97.4 | 97.7 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| 100 | 33.1 | 90.6 | 93.7 | 95.6 | 97.6 | 97.8 | 98.0 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 95 | 33.4 | 90.8 | 94.1 | 95.9 | 97.9 | 98.1 | 98.3 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 90 | 33.0 | 90.8 | 94.1 | 96.0 | 98.1 | 98.3 | 98.9 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 85 | 33.3 | 90.8 | 94.1 | 96.0 | 98.1 | 98.3 | 98.9 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 80 | 33.3 | 90.8 | 94.1 | 96.0 | 98.1 | 98.3 | 98.9 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 75 | 33.3 | 90.8 | 94.1 | 96.0 | 98.2 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 70 | 33.3 | 90.8 | 94.1 | 96.0 | 98.2 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 65 | 33.3 | 90.8 | 94.1 | 96.0 | 98.2 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 60 | 33.3 | 90.8 | 94.1 | 96.0 | 98.2 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 55 | 33.3 | 90.8 | 94.1 | 96.0 | 98.2 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 50 | 33.3 | 90.8 | 94.1 | 96.0 | 98.2 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 45 | 33.3 | 90.8 | 94.1 | 96.0 | 98.2 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 40 | 33.3 | 90.8 | 94.1 | 96.0 | 98.2 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 35 | 33.3 | 90.8 | 94.1 | 96.0 | 98.2 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 30 | 33.3 | 90.8 | 94.1 | 96.0 | 98.2 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 25 | 33.3 | 90.8 | 94.1 | 96.0 | 98.2 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 20 | 33.3 | 90.8 | 94.1 | 96.0 | 98.2 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 15 | 33.3 | 90.8 | 94.1 | 96.0 | 98.2 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 10 | 33.3 | 90.8 | 94.1 | 96.0 | 98.2 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 5 | 33.3 | 90.8 | 94.1 | 96.0 | 98.2 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 33.3 | 90.8 | 94.1 | 96.0 | 98.2 | 98.4 | 99.2 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 220

UNITED STATES AIR FORCE
 METEOROLOGICAL SERVICE CENTER
 WASHINGTON, D. C. 20330

CEILING VERSUS VISIBILITY

STATION NAME LYTHEVILLE AFB AR

73-30

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1-1-1952

| VISIBILITY (STATUTE MILES) | PERCENTAGE FREQUENCY OF OCCURRENCE | | | | | | | | | | | | | | | |
|----------------------------|------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 20 | 26 | 31 | 34 | 37 | 40 | 43 | 46 | 49 | 52 | 55 | 58 | 61 | 64 | 67 | 70 |
| 0.7 | 55.3 | 56.2 | 55.3 | 55.6 | 55.6 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| 1.0 | 61.9 | 62.3 | 62.8 | 62.8 | 62.8 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| 1.3 | 62.0 | 62.4 | 62.8 | 63.0 | 63.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| 1.6 | 62.1 | 62.4 | 62.8 | 63.0 | 63.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| 1.9 | 62.2 | 62.7 | 63.0 | 63.2 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 2.2 | 62.2 | 63.2 | 63.6 | 63.8 | 63.8 | 63.9 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| 2.5 | 67.7 | 67.2 | 68.6 | 68.8 | 68.9 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| 2.8 | 68.3 | 68.2 | 69.4 | 69.4 | 69.4 | 69.3 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| 3.1 | 73.9 | 74.4 | 74.8 | 75.0 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| 3.4 | 75.2 | 75.3 | 76.1 | 75.3 | 75.4 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 3.7 | 76.8 | 77.3 | 77.7 | 78.0 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| 4.0 | 81.1 | 81.9 | 82.2 | 82.6 | 82.7 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| 4.3 | 82.7 | 83.6 | 83.9 | 84.2 | 84.3 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| 4.6 | 85.2 | 86.3 | 86.7 | 87.0 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| 4.9 | 86.4 | 86.7 | 88.3 | 88.8 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| 5.2 | 87.8 | 89.3 | 89.7 | 90.3 | 90.4 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| 5.5 | 89.7 | 91.4 | 92.2 | 93.0 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| 5.8 | 90.6 | 92.3 | 93.4 | 94.2 | 94.3 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 6.1 | 91.2 | 93.7 | 94.1 | 94.9 | 95.0 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| 6.4 | 92.1 | 94.0 | 95.1 | 96.1 | 96.3 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 6.7 | 93.0 | 94.9 | 96.0 | 97.0 | 97.2 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 7.0 | 93.4 | 95.3 | 96.4 | 97.6 | 97.9 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| 7.3 | 93.6 | 95.4 | 96.6 | 97.7 | 98.0 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 7.6 | 93.6 | 95.4 | 96.6 | 97.9 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 7.9 | 93.7 | 95.7 | 96.8 | 98.1 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 8.2 | 93.7 | 95.9 | 97.1 | 98.3 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 8.5 | 93.7 | 95.9 | 97.0 | 98.3 | 99.2 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 8.8 | 93.7 | 95.9 | 97.0 | 98.3 | 99.2 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 9.1 | 93.7 | 95.9 | 97.0 | 98.3 | 99.2 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 9.4 | 93.7 | 95.9 | 97.0 | 98.3 | 99.2 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 228

FEDERAL CLIMATOLOGY BRANCH
AFETAC
U.S. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2234 9 PLYTHEVILLE AFB AR

73-37

APC

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ALL

VISIBILITY STATISTICS

| CEILING | > 10 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | < 1 | ALL |
|----------------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| 1000 | 2.1 | 52.7 | 57.7 | 58.9 | 54.0 | 54.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| 900 | 23.3 | 52.4 | 67.5 | 60.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| 800 | 23.7 | 59.5 | 61.0 | 61.3 | 61.5 | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| 700 | 24.0 | 52.9 | 61.1 | 61.4 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| 600 | 24.0 | 60.3 | 61.5 | 61.6 | 62.0 | 62.0 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| 500 | 24.4 | 61.5 | 62.2 | 63.1 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 400 | 27.1 | 65.1 | 66.6 | 66.9 | 67.1 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| 300 | 27.2 | 65.4 | 66.3 | 67.3 | 67.5 | 67.5 | 67.5 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| 200 | 26.5 | 69.0 | 70.5 | 71.1 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| 100 | 26.1 | 70.3 | 72.0 | 72.5 | 72.7 | 72.8 | 72.9 | 72.9 | 72.9 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| > 1000 | 27.3 | 71.8 | 73.5 | 74.1 | 74.3 | 74.3 | 74.4 | 74.5 | 74.5 | 74.5 | 74.5 | 74.6 | 74.6 | 74.6 |
| 1000-3000 | 28.1 | 74.7 | 76.7 | 77.2 | 77.6 | 77.7 | 77.8 | 77.8 | 77.8 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| 3000-5000 | 27.7 | 75.9 | 78.1 | 78.8 | 79.3 | 79.3 | 79.4 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| 5000-10000 | 24.3 | 73.4 | 80.9 | 81.5 | 82.1 | 82.2 | 82.3 | 82.4 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 10000-20000 | 20.1 | 77.3 | 82.6 | 83.4 | 84.0 | 84.2 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| 20000-30000 | 20.1 | 82.4 | 85.4 | 86.3 | 87.1 | 87.2 | 87.4 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| 30000-40000 | 20.7 | 84.3 | 87.6 | 88.7 | 89.6 | 89.8 | 90.1 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| 40000-50000 | 21.1 | 85.9 | 89.4 | 90.7 | 91.6 | 91.9 | 92.2 | 92.3 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 |
| 50000-60000 | 21.2 | 86.2 | 89.7 | 91.0 | 92.3 | 92.2 | 92.6 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| 60000-70000 | 21.3 | 87.4 | 91.1 | 92.5 | 93.7 | 94.0 | 94.5 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| 70000-80000 | 21.4 | 88.3 | 92.2 | 93.7 | 95.2 | 95.5 | 96.1 | 96.2 | 96.7 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| 80000-90000 | 21.5 | 88.7 | 92.7 | 94.3 | 95.8 | 96.2 | 96.8 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| 90000-100000 | 21.5 | 89.5 | 93.1 | 94.7 | 96.2 | 96.7 | 97.3 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 100000-200000 | 21.6 | 89.3 | 93.4 | 95.1 | 96.8 | 97.3 | 98.0 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 200000-300000 | 21.6 | 89.4 | 93.6 | 95.3 | 97.0 | 97.6 | 98.3 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 300000-400000 | 21.6 | 89.4 | 93.7 | 95.4 | 97.2 | 97.8 | 98.6 | 98.8 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| 400000-500000 | 21.6 | 89.4 | 93.7 | 95.5 | 97.4 | 98.1 | 98.9 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| 500000-600000 | 21.6 | 89.5 | 93.7 | 95.5 | 97.5 | 98.2 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| 600000-700000 | 21.6 | 89.5 | 93.8 | 95.6 | 97.6 | 98.3 | 99.3 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| 700000-800000 | 21.6 | 89.5 | 93.9 | 95.6 | 97.6 | 98.3 | 99.3 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 800000-900000 | 21.6 | 89.5 | 93.9 | 95.6 | 97.6 | 98.3 | 99.3 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| 900000-1000000 | 21.6 | 89.5 | 93.8 | 95.6 | 97.6 | 98.3 | 99.3 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7199

CEILING VERSUS VISIBILITY

STATION: PLYMOUTHVILLE AFB, A

72-02

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

622-0222

UNITS: FEET/FEET

| | 20 | 26 | 32 | 38 | 44 | 50 | 56 | 62 | 68 | 74 | 80 | 86 | 92 | 98 | 104 | 110 | 116 |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 59.5 | 59.5 | 61.1 | 62.4 | 63.2 | 63.1 | 63.2 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 61.1 | 63.2 | 67.7 | 68.5 | 68.2 | 69.1 | 68.2 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| 63.2 | 65.7 | 67.7 | 68.5 | 68.7 | 69.1 | 69.2 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| 65.7 | 65.7 | 67.7 | 68.5 | 68.2 | 69.1 | 68.2 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| 68.2 | 68.2 | 67.7 | 68.5 | 68.2 | 69.1 | 68.2 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| 70.7 | 68.2 | 69.7 | 69.8 | 69.2 | 69.4 | 69.5 | 69.3 | 69.9 | 69.8 | 69.0 | 69.8 | 69.0 | 69.8 | 69.0 | 69.3 | 69.9 | 69.9 |
| 73.2 | 68.2 | 68.7 | 68.8 | 71.5 | 71.0 | 71.0 | 72.3 | 72.1 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| 75.7 | 68.2 | 68.6 | 71.7 | 72.4 | 72.2 | 73.1 | 73.2 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| 78.2 | 68.2 | 68.6 | 71.7 | 72.4 | 72.2 | 73.1 | 73.2 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| 80.7 | 72.0 | 75.1 | 76.0 | 76.5 | 76.9 | 77.0 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| 83.2 | 73.0 | 75.1 | 77.1 | 77.5 | 77.9 | 78.0 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| 85.7 | 75.1 | 77.3 | 78.4 | 79.7 | 79.5 | 79.7 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| 88.2 | 77.4 | 79.7 | 81.7 | 81.4 | 81.9 | 82.2 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| 90.7 | 78.3 | 80.9 | 81.8 | 82.5 | 83.0 | 83.1 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| 93.2 | 79.7 | 81.1 | 83.5 | 84.4 | 85.0 | 85.1 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| 95.7 | 81.2 | 83.9 | 85.3 | 85.1 | 86.8 | 86.0 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 98.2 | 83.3 | 86.2 | 87.0 | 88.7 | 89.3 | 89.5 | 90.1 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| 100.7 | 84.4 | 87.6 | 89.3 | 90.3 | 91.0 | 91.1 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| 103.2 | 85.9 | 89.0 | 91.4 | 92.8 | 93.6 | 93.3 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 105.7 | 86.1 | 89.7 | 91.6 | 93.0 | 93.9 | 94.0 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| 108.2 | 86.2 | 89.9 | 92.1 | 93.6 | 94.5 | 94.6 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 110.7 | 86.7 | 91.4 | 92.9 | 94.6 | 95.6 | 95.8 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| 113.2 | 87.3 | 91.1 | 93.0 | 95.4 | 96.3 | 96.7 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 115.7 | 87.4 | 91.2 | 93.9 | 95.8 | 96.8 | 97.1 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| 118.2 | 87.4 | 91.2 | 93.9 | 95.8 | 97.0 | 97.8 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 120.7 | 87.4 | 91.2 | 93.9 | 95.8 | 97.0 | 98.0 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 123.2 | 87.4 | 91.2 | 93.9 | 95.8 | 97.0 | 98.1 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| 125.7 | 87.4 | 91.4 | 94.1 | 96.2 | 97.7 | 98.9 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 128.2 | 87.4 | 91.4 | 94.1 | 96.2 | 97.7 | 98.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 130.7 | 87.4 | 91.4 | 94.1 | 96.2 | 97.7 | 98.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 133.2 | 87.4 | 91.4 | 94.1 | 96.2 | 97.7 | 98.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 135.7 | 87.4 | 91.4 | 94.1 | 96.2 | 97.7 | 98.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 325

U.S. AIR FORCE
 WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

STATION NAME: WYTHEVILLE AFB AT

73-87

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1954-1955

UNBROKEN STATISTICAL

| CEILING (FEET) | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 100 | 11.4 | 4.1 | 52.2 | 55.4 | 56.3 | 57.3 | 57.8 | 58.1 | 58.1 | 58.4 | 58.4 | 58.4 | 58.4 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 |
| 120 | 22.1 | 53.3 | 55.1 | 51.5 | 62.9 | 63.9 | 64.4 | 64.7 | 64.7 | 65.1 | 65.1 | 65.1 | 65.1 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| 140 | 22.1 | 53.4 | 58.2 | 61.7 | 63.0 | 64.0 | 64.5 | 64.8 | 64.8 | 65.2 | 65.2 | 65.2 | 65.2 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| 160 | 22.1 | 53.7 | 58.4 | 61.9 | 63.2 | 64.2 | 64.8 | 65.2 | 65.2 | 65.5 | 65.5 | 65.5 | 65.5 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| 180 | 22.1 | 54.7 | 59.5 | 63.1 | 64.5 | 65.5 | 66.1 | 66.3 | 66.5 | 66.8 | 66.8 | 66.8 | 66.8 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| 200 | 24.3 | 58.6 | 63.9 | 66.1 | 69.7 | 70.6 | 71.4 | 71.7 | 71.7 | 72.0 | 72.0 | 72.0 | 72.0 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| 220 | 24.5 | 58.8 | 64.2 | 67.4 | 72.2 | 71.2 | 71.7 | 72.1 | 72.1 | 72.4 | 72.4 | 72.4 | 72.4 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| 240 | 25.2 | 62.2 | 67.7 | 72.2 | 74.0 | 75.1 | 75.9 | 76.2 | 76.2 | 76.6 | 76.6 | 76.6 | 76.6 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| 260 | 29.3 | 63.7 | 69.2 | 72.7 | 75.5 | 76.9 | 77.4 | 77.7 | 77.7 | 78.1 | 78.1 | 78.1 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| 280 | 26.1 | 64.1 | 69.7 | 74.1 | 75.9 | 77.3 | 78.2 | 78.5 | 78.5 | 78.8 | 78.8 | 78.8 | 78.8 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| 300 | 22.1 | 66.3 | 72.7 | 76.6 | 78.4 | 79.8 | 80.6 | 81.3 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| 320 | 22.1 | 66.8 | 72.5 | 77.1 | 79.0 | 80.4 | 81.3 | 81.5 | 81.5 | 81.9 | 81.9 | 81.9 | 81.9 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| 340 | 22.2 | 65.0 | 73.9 | 76.6 | 81.3 | 82.7 | 83.8 | 84.2 | 84.2 | 84.5 | 84.5 | 84.5 | 84.5 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 360 | 22.9 | 69.1 | 75.1 | 80.1 | 82.6 | 84.0 | 85.1 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| 380 | 22.9 | 70.9 | 76.9 | 81.9 | 84.5 | 86.1 | 87.2 | 87.7 | 87.7 | 88.1 | 88.1 | 88.1 | 88.1 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 400 | 22.1 | 71.6 | 77.7 | 83.7 | 85.7 | 87.7 | 88.9 | 89.7 | 89.7 | 90.0 | 90.0 | 90.0 | 90.0 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| 420 | 22.5 | 72.9 | 79.1 | 84.4 | 87.6 | 89.7 | 91.0 | 91.7 | 91.8 | 92.1 | 92.2 | 92.2 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| 440 | 22.5 | 72.7 | 79.2 | 84.6 | 87.8 | 89.9 | 91.2 | 91.9 | 92.7 | 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 |
| 460 | 22.5 | 73.2 | 79.6 | 84.9 | 88.5 | 90.6 | 92.0 | 92.5 | 92.9 | 93.2 | 93.2 | 93.2 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| 480 | 22.5 | 73.4 | 80.2 | 85.6 | 89.2 | 91.5 | 93.0 | 93.5 | 93.6 | 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 |
| 500 | 22.5 | 74.7 | 82.6 | 86.2 | 92.0 | 92.3 | 93.8 | 94.5 | 94.6 | 94.9 | 94.9 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 520 | 22.5 | 74.4 | 81.2 | 87.0 | 91.7 | 93.2 | 94.7 | 95.5 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| 540 | 22.5 | 74.5 | 81.5 | 87.4 | 91.4 | 93.3 | 95.7 | 96.5 | 96.6 | 97.0 | 97.0 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| 560 | 22.5 | 74.6 | 81.7 | 87.5 | 91.6 | 94.0 | 96.0 | 96.8 | 96.9 | 97.3 | 97.3 | 97.3 | 97.3 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 580 | 22.5 | 74.6 | 81.6 | 87.6 | 91.8 | 94.3 | 96.5 | 97.2 | 97.3 | 97.7 | 97.7 | 97.7 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 600 | 22.5 | 74.7 | 81.7 | 87.8 | 92.2 | 94.8 | 97.2 | 98.1 | 98.1 | 98.5 | 98.5 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 620 | 22.5 | 74.8 | 81.9 | 88.2 | 92.5 | 95.2 | 97.5 | 98.3 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 640 | 22.5 | 74.9 | 81.9 | 88.2 | 92.5 | 95.2 | 97.7 | 98.6 | 98.7 | 99.2 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 660 | 22.5 | 74.9 | 81.9 | 88.2 | 92.5 | 95.2 | 97.7 | 98.6 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 680 | 22.5 | 74.9 | 81.9 | 88.2 | 92.5 | 95.2 | 97.7 | 98.6 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 700 | 22.5 | 74.9 | 81.9 | 88.2 | 92.5 | 95.2 | 97.7 | 98.6 | 98.7 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS 730

AL CLIMATOLOGY BRANCH
 METAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1434 S WLYTHEVILLE AFB AR

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1434-1434

USAF STATION NUMBER

| CEILING | 20 | 20 | 21 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 30.3 | 30.2 | 47.2 | 46.7 | 46.4 | 50.3 | 50.5 | 51.9 | 51.0 | 51.0 | 51.1 | 51.1 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| 10.0 | 40.7 | 40.7 | 48.4 | 52.5 | 55.6 | 56.6 | 57.1 | 57.5 | 57.6 | 57.6 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| 10.0 | 40.8 | 40.8 | 48.5 | 52.6 | 55.9 | 57.1 | 57.4 | 57.8 | 58.0 | 58.0 | 58.1 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| 10.0 | 40.8 | 40.8 | 48.5 | 52.6 | 55.9 | 57.1 | 57.4 | 57.8 | 58.0 | 58.0 | 58.1 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| 10.0 | 41.0 | 41.0 | 47.9 | 53.1 | 56.3 | 57.5 | 57.8 | 58.3 | 58.4 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| 10.0 | 42.4 | 42.4 | 50.3 | 54.6 | 58.2 | 59.4 | 59.7 | 60.1 | 60.2 | 60.2 | 60.3 | 60.3 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| 10.0 | 40.2 | 40.2 | 54.6 | 59.1 | 62.7 | 63.9 | 64.3 | 64.7 | 64.8 | 64.8 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| 10.0 | 40.2 | 40.2 | 54.6 | 59.1 | 62.7 | 63.9 | 64.3 | 64.7 | 64.8 | 64.8 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| 10.0 | 50.8 | 50.8 | 59.7 | 64.8 | 69.6 | 69.9 | 70.5 | 71.0 | 71.1 | 71.1 | 71.2 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| 10.0 | 52.4 | 52.4 | 62.2 | 67.6 | 71.4 | 72.7 | 73.3 | 73.3 | 73.9 | 73.9 | 74.0 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| 10.0 | 53.2 | 53.2 | 62.8 | 68.3 | 72.2 | 73.5 | 74.2 | 74.6 | 74.7 | 74.7 | 74.8 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| 10.0 | 56.6 | 56.6 | 65.7 | 72.9 | 76.8 | 78.3 | 78.9 | 79.4 | 79.5 | 79.5 | 79.6 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| 10.0 | 56.7 | 56.7 | 67.0 | 73.7 | 77.5 | 79.0 | 79.7 | 80.1 | 80.2 | 80.2 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| 10.0 | 59.0 | 59.0 | 69.4 | 76.7 | 81.2 | 82.8 | 83.7 | 84.1 | 84.2 | 84.2 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| 10.0 | 59.9 | 59.9 | 70.4 | 77.8 | 82.5 | 84.3 | 85.2 | 85.6 | 85.7 | 85.7 | 85.8 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| 10.0 | 60.5 | 60.5 | 71.4 | 78.8 | 83.9 | 85.7 | 86.6 | 87.0 | 87.1 | 87.1 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| 10.0 | 61.3 | 61.3 | 72.5 | 80.2 | 85.3 | 87.2 | 88.1 | 88.7 | 88.8 | 88.8 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| 10.0 | 61.7 | 61.7 | 73.5 | 81.1 | 86.3 | 88.5 | 89.5 | 90.2 | 90.3 | 90.3 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| 10.0 | 61.8 | 61.8 | 73.7 | 81.1 | 86.5 | 88.6 | 89.6 | 90.3 | 90.4 | 90.4 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| 10.0 | 62.4 | 62.4 | 74.3 | 81.9 | 87.8 | 90.0 | 91.3 | 92.0 | 92.2 | 92.2 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 10.0 | 62.7 | 62.7 | 74.9 | 82.7 | 88.7 | 90.9 | 92.2 | 92.9 | 93.0 | 93.0 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| 10.0 | 63.1 | 63.1 | 75.8 | 82.5 | 88.7 | 91.8 | 93.2 | 94.1 | 94.2 | 94.2 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| 10.0 | 63.5 | 63.5 | 76.6 | 84.4 | 90.8 | 93.0 | 94.5 | 95.5 | 95.6 | 95.6 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 10.0 | 63.7 | 63.7 | 76.8 | 84.8 | 91.2 | 93.4 | 94.9 | 95.9 | 96.1 | 96.1 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| 10.0 | 63.7 | 63.7 | 76.9 | 84.9 | 91.6 | 94.0 | 95.5 | 96.5 | 96.6 | 96.6 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| 10.0 | 63.8 | 63.8 | 77.1 | 85.3 | 92.0 | 94.4 | 96.0 | 97.1 | 97.4 | 97.4 | 97.8 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 10.0 | 63.7 | 63.7 | 77.5 | 85.7 | 92.6 | 94.9 | 96.8 | 98.0 | 98.5 | 98.5 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 10.0 | 63.2 | 63.2 | 77.5 | 85.8 | 92.7 | 95.1 | 97.0 | 98.3 | 98.8 | 98.8 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 10.0 | 63.4 | 63.4 | 77.5 | 85.8 | 92.7 | 95.0 | 97.1 | 98.4 | 98.9 | 98.9 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 10.0 | 63.8 | 63.8 | 77.5 | 85.4 | 92.7 | 95.2 | 97.1 | 98.4 | 98.9 | 98.9 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 10.0 | 63.9 | 63.9 | 77.7 | 85.8 | 92.7 | 95.2 | 97.1 | 98.4 | 98.9 | 98.9 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 10.0 | 63.8 | 63.8 | 77.5 | 85.8 | 92.7 | 95.2 | 97.1 | 98.4 | 98.9 | 98.9 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 930

LOCAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

723905 GLYTHEVILLE AFB TX

73-80

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

800-111

| VISIBILITY | CEILING | | | | | | | | | | | | | | | | |
|------------|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 | 2500 | |
| 100 | 17.1 | 46.7 | 57.4 | 51.9 | 52.3 | 52.3 | 52.3 | 52.3 | 52.7 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.7 | 52.3 | 52.7 |
| 200 | 12.2 | 52.7 | 57.2 | 58.7 | 59.1 | 57.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| 300 | 13.1 | 53.0 | 57.5 | 59.0 | 59.5 | 59.5 | 59.5 | 59.5 | 59.9 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| 400 | 17.1 | 53.1 | 57.5 | 59.1 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 | 59.6 |
| 500 | 14.1 | 53.7 | 58.2 | 59.8 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| 600 | 14.1 | 55.1 | 57.6 | 61.2 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| 700 | 14.4 | 55.7 | 63.2 | 64.8 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| 800 | 14.5 | 55.1 | 63.5 | 65.4 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| 900 | 15.7 | 53.2 | 64.5 | 70.2 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| 1000 | 16.1 | 54.4 | 70.1 | 71.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 |
| 1200 | 16.1 | 54.7 | 70.9 | 72.6 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| 1400 | 16.5 | 57.5 | 74.1 | 75.2 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 1600 | 16.5 | 57.5 | 74.1 | 75.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 1800 | 16.1 | 70.0 | 76.8 | 79.5 | 80.8 | 80.8 | 80.8 | 80.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 2000 | 17.1 | 70.9 | 78.0 | 80.6 | 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 |
| 2500 | 17.3 | 72.3 | 79.5 | 82.6 | 84.0 | 84.0 | 84.1 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| 3000 | 17.5 | 73.4 | 81.1 | 84.3 | 85.9 | 85.9 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| 4000 | 18.3 | 74.8 | 83.7 | 86.5 | 88.1 | 88.1 | 88.4 | 88.4 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| 5000 | 18.7 | 75.7 | 83.9 | 87.3 | 88.9 | 88.9 | 89.2 | 89.2 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| 6000 | 18.8 | 77.5 | 85.9 | 89.6 | 91.7 | 91.5 | 92.2 | 92.2 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 7000 | 18.9 | 78.9 | 87.5 | 91.5 | 94.0 | 94.1 | 94.6 | 94.5 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| 8000 | 18.7 | 79.7 | 88.4 | 92.5 | 95.4 | 95.6 | 96.3 | 96.5 | 96.7 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| 9000 | 18.9 | 79.9 | 88.8 | 92.9 | 95.9 | 96.2 | 97.1 | 97.2 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| 10000 | 18.9 | 79.9 | 88.8 | 92.9 | 96.1 | 96.5 | 97.4 | 97.7 | 98.0 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 12000 | 18.9 | 80.1 | 89.7 | 93.2 | 96.8 | 97.1 | 98.1 | 98.4 | 98.6 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 14000 | 18.9 | 80.1 | 89.7 | 93.5 | 97.1 | 97.4 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 16000 | 18.9 | 80.1 | 89.7 | 93.7 | 97.2 | 97.5 | 98.5 | 98.8 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 18000 | 18.9 | 80.1 | 89.7 | 93.7 | 97.2 | 97.6 | 98.7 | 99.0 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 20000 | 18.9 | 80.1 | 89.7 | 93.7 | 97.2 | 97.6 | 98.7 | 99.0 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 25000 | 18.9 | 80.1 | 89.7 | 93.7 | 97.2 | 97.6 | 98.7 | 99.0 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 30000 | 18.9 | 80.1 | 89.7 | 93.7 | 97.2 | 97.6 | 98.7 | 99.0 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 730

AD-A131 197

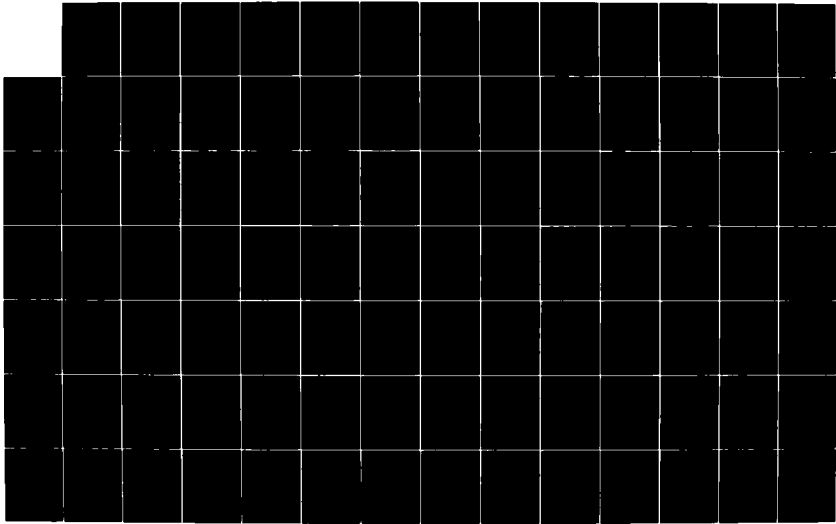
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SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 83
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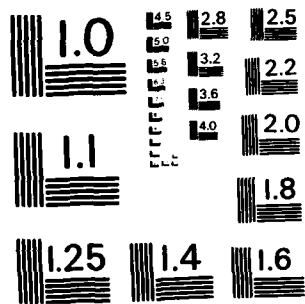
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UNCLASSIFIED

F/G 4/2

NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

AL CLIMATOLOGY BRANCH
AFETAC
AF WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

73-82 DLYTHEVILLE AFB A

73-82

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

15-0-1720

| CEILING | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 10 | 40.1 | 40.1 | 47.4 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| 11 | 50.1 | 50.1 | 50.2 | 50.7 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| 12 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 13 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 14 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 15 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 16 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 17 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 18 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 19 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 20 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 21 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 22 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 23 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 24 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 25 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 26 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 27 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 28 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 29 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 30 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| 31 | 50.1 | 50.1 | 50.3 | 56.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |

TOTAL NUMBER OF OBSERVATIONS 930

GENERAL CLIMATOLOGY BRANCH
ETAC
AF WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

2400 WILLYSVILLE AFB AT

73-02

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1950-2000

LINE FEET AT 1000 METERS

| LINE FEET | 20 | 22 | 24 | 25 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0-100 | 21.4 | 41.6 | 51.7 | 51.7 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| 100-150 | 23.4 | 41.7 | 64.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| 150-200 | 23.4 | 41.7 | 64.1 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| 200-250 | 23.4 | 41.7 | 64.1 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| 250-300 | 23.4 | 41.7 | 67.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| 300-350 | 24.3 | 67.8 | 70.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| 350-400 | 24.3 | 67.8 | 70.9 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| 400-450 | 24.3 | 67.8 | 70.9 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| 450-500 | 24.3 | 67.8 | 70.9 | 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 |
| 500-550 | 24.3 | 67.8 | 70.9 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 550-600 | 26.2 | 75.9 | 79.5 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| 600-650 | 27.1 | 77.8 | 81.6 | 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 |
| 650-700 | 27.5 | 79.5 | 83.7 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 700-750 | 27.8 | 81.2 | 85.4 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| 750-800 | 28.1 | 83.3 | 87.1 | 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 |
| 800-850 | 28.6 | 84.6 | 88.7 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| 850-900 | 28.9 | 86.3 | 90.6 | 93.3 | 94.0 | 94.1 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 |
| 900-950 | 29.1 | 88.0 | 92.4 | 95.7 | 96.6 | 96.8 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 |
| 950-1000 | 29.1 | 88.1 | 92.5 | 95.8 | 96.7 | 97.2 | 97.3 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 |
| 1000-1050 | 29.1 | 88.5 | 93.0 | 96.3 | 97.6 | 98.1 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 |
| 1050-1100 | 29.1 | 88.5 | 93.0 | 96.3 | 97.8 | 98.7 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 1100-1150 | 29.1 | 88.5 | 93.0 | 96.5 | 98.1 | 98.9 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 |
| 1150-1200 | 29.1 | 88.5 | 93.0 | 96.5 | 98.2 | 99.0 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| 1200-1250 | 29.1 | 88.5 | 93.0 | 96.5 | 98.2 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 1250-1300 | 29.1 | 88.5 | 93.0 | 96.5 | 98.2 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1300-1350 | 29.1 | 88.5 | 93.0 | 96.5 | 98.2 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1350-1400 | 29.1 | 88.5 | 93.0 | 96.5 | 98.2 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1400-1450 | 29.1 | 88.5 | 93.0 | 96.5 | 98.2 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1450-1500 | 29.1 | 88.5 | 93.0 | 96.5 | 98.2 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1500-1550 | 29.1 | 88.5 | 93.0 | 96.5 | 98.2 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1550-1600 | 29.1 | 88.5 | 93.0 | 96.5 | 98.2 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1600-1650 | 29.1 | 88.5 | 93.0 | 96.5 | 98.2 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1650-1700 | 29.1 | 88.5 | 93.0 | 96.5 | 98.2 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1700-1750 | 29.1 | 88.5 | 93.0 | 96.5 | 98.2 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1750-1800 | 29.1 | 88.5 | 93.0 | 96.5 | 98.2 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1800-1850 | 29.1 | 88.5 | 93.0 | 96.5 | 98.2 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1850-1900 | 29.1 | 88.5 | 93.0 | 96.5 | 98.2 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1900-1950 | 29.1 | 88.5 | 93.0 | 96.5 | 98.2 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 1950-2000 | 29.1 | 88.5 | 93.0 | 96.5 | 98.2 | 99.1 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 910

FEDERAL CLIMATOLOGY BRANCH
AFAC
AIR WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

22347 LYTHERVILLE AFB AR
MAY

73-37

11-5000

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| CEILING | 6000 | 5000 | 4000 | 3000 | 2000 | 1000 | 500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1000 | 87.1 | 88.1 | 6.7 | 61.1 | 61.2 | 61.2 | 61.2 | 61.3 | 61.7 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| 2000 | 64.8 | 67.8 | 65.4 | 63.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.6 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| 3000 | 64.3 | 67.8 | 63.4 | 62.5 | 62.5 | 62.5 | 62.5 | 62.6 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| 4000 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| 5000 | 68.2 | 69.7 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| 6000 | 71.3 | 74.3 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| 7000 | 71.4 | 74.4 | 75.2 | 75.3 | 75.3 | 75.3 | 75.4 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| 8000 | 74.0 | 77.3 | 78.7 | 79.0 | 79.0 | 79.0 | 79.1 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| 9000 | 74.2 | 77.6 | 79.0 | 79.5 | 79.5 | 79.6 | 79.6 | 79.7 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| 10000 | 77.7 | 81.3 | 82.8 | 83.2 | 83.2 | 83.2 | 83.2 | 83.4 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| 12000 | 82.6 | 84.1 | 84.8 | 84.6 | 84.7 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| 14000 | 81.5 | 85.5 | 87.1 | 87.6 | 87.7 | 87.8 | 88.1 | 88.2 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| 16000 | 83.5 | 84.2 | 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 |
| 18000 | 85.4 | 91.1 | 91.7 | 92.4 | 92.5 | 92.7 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| 20000 | 86.5 | 91.5 | 92.2 | 94.2 | 94.3 | 94.5 | 94.5 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 22000 | 88.2 | 93.2 | 94.9 | 95.9 | 96.1 | 96.2 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 24000 | 88.3 | 93.3 | 95.1 | 96.0 | 96.1 | 96.3 | 96.3 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| 26000 | 88.3 | 93.7 | 95.5 | 96.5 | 96.6 | 96.8 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| 28000 | 88.9 | 94.1 | 96.2 | 97.2 | 97.5 | 97.7 | 97.8 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 30000 | 88.9 | 94.1 | 96.2 | 97.2 | 97.5 | 97.7 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 32000 | 89.4 | 94.5 | 96.9 | 97.8 | 98.2 | 98.4 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 34000 | 89.4 | 94.5 | 96.9 | 97.8 | 98.2 | 98.7 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 36000 | 89.4 | 94.7 | 97.0 | 98.0 | 98.3 | 98.8 | 99.2 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 38000 | 89.5 | 94.7 | 97.1 | 98.1 | 98.4 | 98.9 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 40000 | 89.5 | 94.7 | 97.1 | 98.1 | 98.4 | 99.1 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 42000 | 89.5 | 94.7 | 97.1 | 98.1 | 98.4 | 99.1 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 44000 | 89.5 | 94.7 | 97.1 | 98.1 | 98.4 | 99.1 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 46000 | 89.5 | 94.7 | 97.1 | 98.1 | 98.4 | 99.1 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 48000 | 89.5 | 94.7 | 97.1 | 98.1 | 98.4 | 99.1 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 50000 | 89.5 | 94.7 | 97.1 | 98.1 | 98.4 | 99.1 | 99.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

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

FEDERAL BUREAU OF SURVEY
 METAC
 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

123456 PLYMOUTHVILLE AFB AT

73-52

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ALL

| FEET | MILES | | | | | | | | | | | | | | | |
|------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 20 | 26 | 32 | 38 | 44 | 50 | 56 | 62 | 68 | 74 | 80 | 86 | 92 | 98 | 104 | 110 |
| 100 | 19.6 | 46.7 | 51.7 | 63.1 | 53.7 | 53.9 | 54.1 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.3 | 54.3 | 54.3 | 54.3 |
| 100 | 1.1 | 50.1 | 59.6 | 51.3 | 61.9 | 62.2 | 62.3 | 62.3 | 62.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| 100 | 1.1 | 50.1 | 59.6 | 51.3 | 62.7 | 62.3 | 62.4 | 62.5 | 62.5 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| 100 | 1.2 | 50.6 | 67.0 | 61.8 | 62.5 | 62.8 | 62.9 | 63.1 | 63.7 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.7 |
| 100 | 21.4 | 57.2 | 61.4 | 63.1 | 63.3 | 64.1 | 64.3 | 64.4 | 64.4 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 | 64.5 |
| 100 | 22.1 | 61.9 | 65.6 | 67.5 | 68.3 | 68.6 | 68.8 | 69.7 | 68.9 | 69.0 | 69.7 | 69.0 | 69.1 | 69.1 | 69.1 | 69.1 |
| 100 | 22.2 | 62.2 | 65.7 | 67.9 | 65.7 | 69.1 | 69.1 | 69.3 | 69.7 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| 100 | 23.3 | 66.3 | 70.3 | 72.4 | 73.3 | 73.7 | 73.9 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.2 | 74.2 | 74.2 |
| 100 | 23.1 | 67.2 | 71.5 | 73.7 | 74.6 | 75.0 | 75.2 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| 100 | 24.2 | 61.0 | 70.5 | 74.8 | 75.8 | 76.2 | 76.4 | 76.6 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 100 | 24.3 | 71.7 | 75.5 | 77.2 | 78.9 | 72.3 | 79.6 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| 100 | 25.1 | 71.6 | 76.3 | 78.9 | 87.0 | 83.4 | 80.7 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| 100 | 25.5 | 74.2 | 79.3 | 82.1 | 83.5 | 83.9 | 84.3 | 84.4 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| 100 | 25.1 | 75.4 | 81.2 | 84.2 | 85.5 | 86.3 | 86.4 | 86.5 | 86.5 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| 100 | 26.2 | 77.6 | 82.3 | 86.4 | 87.8 | 88.4 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| 100 | 26.4 | 79.0 | 85.7 | 88.2 | 89.9 | 90.5 | 90.9 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 |
| 100 | 26.7 | 81.1 | 86.5 | 89.2 | 91.8 | 92.5 | 93.3 | 93.3 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| 100 | 26.1 | 80.5 | 86.8 | 90.2 | 92.1 | 92.8 | 93.3 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 100 | 26.1 | 81.2 | 87.5 | 91.1 | 93.3 | 94.0 | 94.6 | 94.9 | 95.1 | 95.2 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 |
| 100 | 26.4 | 81.7 | 89.2 | 92.0 | 94.3 | 95.1 | 95.7 | 96.2 | 96.2 | 96.3 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 |
| 100 | 26.2 | 82.1 | 88.7 | 92.6 | 95.7 | 96.3 | 96.7 | 97.2 | 97.2 | 97.3 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 |
| 100 | 26.4 | 82.3 | 89.1 | 93.0 | 95.6 | 96.5 | 97.2 | 97.7 | 97.8 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 |
| 100 | 26.1 | 82.3 | 89.1 | 93.1 | 95.8 | 96.8 | 97.7 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 |
| 100 | 26.7 | 82.4 | 89.2 | 93.2 | 96.0 | 97.0 | 98.0 | 98.5 | 98.5 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 |
| 100 | 26.3 | 82.4 | 89.2 | 93.3 | 96.1 | 97.2 | 98.2 | 98.7 | 98.8 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| 100 | 26.7 | 82.5 | 89.3 | 93.4 | 96.3 | 97.4 | 98.4 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 |
| 100 | 26.1 | 82.5 | 89.4 | 93.5 | 96.4 | 97.5 | 98.6 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 |
| 100 | 26.1 | 82.5 | 89.4 | 93.5 | 96.4 | 97.5 | 98.7 | 99.3 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| 100 | 26.1 | 82.5 | 89.4 | 93.5 | 96.4 | 97.6 | 98.7 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| 100 | 26.7 | 82.5 | 89.4 | 93.5 | 96.4 | 97.6 | 98.7 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 7479

JOINT CLIMATOLOGY BRANCH
 AFMELTAC
 AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

7034 LYTHEVILL AFB AR

73-67

454

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

100-1000

| CEILING | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
|---------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| 100 | 21.7 | 65.1 | 62.0 | 64.7 | 71.4 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| 90 | 33.0 | 73.1 | 77.5 | 73.6 | 72.6 | 80.3 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| 80 | 33.0 | 73.1 | 77.5 | 73.6 | 72.6 | 80.3 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| 70 | 33.1 | 73.2 | 77.7 | 73.7 | 72.7 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| 60 | 33.1 | 73.2 | 77.7 | 73.7 | 72.7 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| 50 | 34.4 | 73.2 | 87.0 | 83.9 | 84.9 | 85.3 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| 40 | 34.4 | 73.2 | 83.1 | 84.0 | 85.2 | 85.4 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| 30 | 34.0 | 80.3 | 85.7 | 86.0 | 87.1 | 87.7 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| 20 | 31.1 | 85.5 | 85.2 | 86.2 | 87.3 | 87.9 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| 10 | 30.7 | 80.9 | 85.5 | 86.6 | 87.7 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 0 | 30.6 | 82.1 | 86.0 | 87.9 | 89.0 | 89.6 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| 1000 | 30.9 | 83.1 | 88.7 | 89.0 | 91.2 | 92.3 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| 900 | 37.4 | 85.2 | 90.7 | 91.3 | 92.6 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| 800 | 37.6 | 86.1 | 91.7 | 92.3 | 93.8 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 700 | 37.6 | 86.5 | 92.2 | 93.4 | 94.9 | 95.4 | 95.7 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 600 | 37.1 | 87.7 | 93.1 | 94.7 | 96.1 | 96.7 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| 500 | 37.7 | 85.0 | 93.4 | 95.0 | 96.4 | 97.1 | 97.3 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 400 | 37.7 | 83.1 | 93.6 | 95.1 | 96.6 | 97.3 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| 300 | 37.0 | 85.1 | 97.0 | 95.3 | 96.9 | 97.7 | 97.9 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 200 | 37.1 | 85.3 | 94.2 | 95.8 | 97.3 | 98.1 | 98.3 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 100 | 37.7 | 85.4 | 94.6 | 96.1 | 97.7 | 98.4 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 0 | 37.1 | 85.6 | 94.5 | 96.3 | 97.9 | 98.7 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 1000 | 37.4 | 83.6 | 94.7 | 96.4 | 98.0 | 98.8 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 900 | 37.7 | 85.0 | 94.8 | 96.4 | 98.0 | 98.8 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 800 | 37.7 | 83.7 | 94.0 | 96.6 | 98.2 | 99.1 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 700 | 37.7 | 83.7 | 94.0 | 96.6 | 98.2 | 99.1 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 600 | 37.7 | 83.7 | 94.0 | 96.6 | 98.2 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 500 | 37.7 | 83.7 | 94.0 | 96.6 | 98.2 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 400 | 37.7 | 83.7 | 94.0 | 96.6 | 98.2 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 300 | 37.7 | 83.7 | 94.0 | 96.6 | 98.2 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 200 | 37.7 | 83.7 | 94.0 | 96.6 | 98.2 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 100 | 37.7 | 83.7 | 94.0 | 96.6 | 98.2 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 37.7 | 83.7 | 94.0 | 96.6 | 98.2 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 722

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D. C.
 AIR WEATHER SERVICE/NAO

CEILING VERSUS VISIBILITY

73-57
 WYOMING NAME
 SLYTHEVILLE AFB A

73-57

1950-1952

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

USARF STATION NAME

| | 20 | 21 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 62.3 | 57.3 | 55.7 | 58.8 | 61.0 | 61.8 | 62.6 | 62.9 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| 24.5 | 57.4 | 64.3 | 67.8 | 70.4 | 71.1 | 72.3 | 72.6 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| 24.5 | 57.2 | 64.3 | 67.8 | 70.4 | 71.0 | 72.3 | 72.6 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| 24.5 | 57.3 | 64.4 | 67.1 | 70.5 | 71.3 | 72.5 | 72.8 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 25.2 | 59.2 | 65.5 | 69.6 | 72.2 | 72.9 | 74.2 | 74.9 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| 26.7 | 64.0 | 71.7 | 75.9 | 78.7 | 79.8 | 80.3 | 81.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| 26.7 | 64.5 | 72.3 | 76.6 | 79.4 | 80.3 | 81.5 | 81.8 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| 27.7 | 65.5 | 74.6 | 79.0 | 82.0 | 82.9 | 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 |
| 27.3 | 67.1 | 75.2 | 79.5 | 82.5 | 83.5 | 84.8 | 85.2 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| 28.4 | 68.6 | 77.1 | 81.4 | 84.4 | 85.4 | 86.7 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| 28.3 | 71.7 | 72.7 | 84.2 | 87.3 | 88.3 | 89.6 | 90.1 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| 28.1 | 71.0 | 80.1 | 84.6 | 87.3 | 88.8 | 90.1 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| 28.1 | 72.3 | 82.1 | 86.6 | 89.9 | 90.9 | 92.2 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| 28.2 | 73.3 | 83.0 | 87.6 | 90.9 | 91.9 | 93.3 | 93.8 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| 28.2 | 73.7 | 83.5 | 88.4 | 91.6 | 92.7 | 94.2 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| 28.3 | 74.1 | 84.1 | 88.9 | 92.3 | 93.3 | 94.9 | 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 |
| 28.3 | 74.3 | 84.4 | 89.3 | 92.8 | 93.8 | 95.4 | 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 |
| 28.3 | 74.4 | 84.5 | 89.4 | 93.0 | 94.0 | 95.5 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| 28.3 | 74.5 | 84.7 | 89.8 | 93.1 | 94.7 | 96.2 | 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 |
| 28.3 | 74.6 | 85.4 | 90.4 | 94.2 | 95.3 | 97.1 | 97.5 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| 28.3 | 74.9 | 85.5 | 91.6 | 94.4 | 95.3 | 97.3 | 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 |
| 28.3 | 74.9 | 85.9 | 91.3 | 94.8 | 95.9 | 97.7 | 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 |
| 28.3 | 74.9 | 85.9 | 91.3 | 94.8 | 95.9 | 97.7 | 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 |
| 28.3 | 75.1 | 86.1 | 91.2 | 95.1 | 96.3 | 98.1 | 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 |
| 28.1 | 75.2 | 86.3 | 91.6 | 95.5 | 96.8 | 98.8 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 28.3 | 75.2 | 86.1 | 91.8 | 95.7 | 96.9 | 98.9 | 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 |
| 28.3 | 75.2 | 86.3 | 91.8 | 95.7 | 96.9 | 98.9 | 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 |
| 28.1 | 75.2 | 86.3 | 91.8 | 95.7 | 96.9 | 98.9 | 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 |

TOTAL NUMBER OF OBSERVATIONS _____

CEILING CLIMATOLOGY BRANCH
AF-FLTAC
METEOROLOGICAL SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: ELYTHEVILLE AFB, MS

73-37

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| CEILING (ft) | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 11.4 | 44.1 | 51.7 | 54.3 | 56.9 | 58.2 | 59.1 | 59.3 | 59.4 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| 12.4 | 51.1 | 59.1 | 62.7 | 65.3 | 66.8 | 67.7 | 68.1 | 68.1 | 68.3 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| 13.7 | 51.3 | 59.3 | 62.9 | 65.6 | 67.0 | 67.7 | 68.2 | 68.3 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| 14.4 | 51.9 | 60.0 | 63.7 | 66.4 | 67.8 | 68.8 | 69.1 | 69.2 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| 15.7 | 53.2 | 61.4 | 65.3 | 68.2 | 69.7 | 70.6 | 70.9 | 71.0 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| 16.4 | 53.3 | 61.5 | 65.4 | 68.3 | 69.8 | 70.7 | 70.9 | 71.0 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| 17.5 | 62.0 | 71.9 | 76.9 | 80.6 | 82.1 | 83.2 | 83.7 | 83.8 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| 18.7 | 62.7 | 72.7 | 77.7 | 81.3 | 82.9 | 84.0 | 84.4 | 84.6 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| 19.7 | 63.3 | 73.7 | 78.8 | 82.4 | 84.0 | 85.1 | 85.6 | 85.7 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| 20.2 | 63.9 | 74.3 | 79.4 | 83.1 | 84.7 | 85.9 | 86.4 | 86.6 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| 21.4 | 64.7 | 75.1 | 80.2 | 83.9 | 85.4 | 86.7 | 87.3 | 87.4 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 22.4 | 66.7 | 77.7 | 82.9 | 86.9 | 88.6 | 89.8 | 90.4 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| 23.7 | 67.3 | 78.1 | 83.4 | 87.4 | 89.1 | 90.3 | 91.0 | 91.1 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 24.7 | 67.2 | 78.3 | 83.6 | 87.8 | 89.4 | 90.7 | 91.3 | 91.4 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 25.2 | 68.3 | 79.6 | 85.1 | 89.2 | 91.0 | 92.2 | 92.9 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| 26.2 | 69.4 | 80.7 | 86.3 | 90.4 | 92.2 | 93.6 | 94.2 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 27.2 | 69.6 | 80.9 | 86.4 | 90.6 | 92.3 | 93.7 | 94.3 | 94.4 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 28.2 | 69.9 | 81.1 | 86.6 | 90.9 | 93.0 | 94.3 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| 29.2 | 70.2 | 81.4 | 87.1 | 91.2 | 93.3 | 94.7 | 95.3 | 95.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| 30.2 | 71.1 | 82.4 | 88.2 | 92.3 | 94.4 | 95.8 | 96.4 | 96.6 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 31.2 | 71.1 | 82.4 | 88.6 | 92.9 | 95.0 | 96.3 | 97.0 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 32.2 | 71.6 | 83.7 | 89.2 | 93.6 | 95.7 | 97.1 | 97.9 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| 33.7 | 71.5 | 83.3 | 89.3 | 93.9 | 96.1 | 97.6 | 98.3 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 34.2 | 71.6 | 83.4 | 89.6 | 94.1 | 96.3 | 97.9 | 98.6 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 35.2 | 71.7 | 83.6 | 89.7 | 94.2 | 96.4 | 98.0 | 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 |
| 36.2 | 71.7 | 83.6 | 89.7 | 94.2 | 96.4 | 98.0 | 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 |
| 37.2 | 71.7 | 83.6 | 89.7 | 94.2 | 96.4 | 98.0 | 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 |
| 38.2 | 71.7 | 83.6 | 89.7 | 94.3 | 96.7 | 98.2 | 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 |
| 39.2 | 71.7 | 83.6 | 89.7 | 94.3 | 96.7 | 98.2 | 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 |

TOTAL NUMBER OF OBSERVATIONS 700

U.S. AIR FORCE
 CENTRAL CLIMATOLOGY BRANCH
 WETAC
 AIR WEATHER SERVICE/MAJ

CEILING VERSUS VISIBILITY

STATION WYTHEVILLE AFB 3

73-57

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1950-1952

VISIBILITY IN FEET

| CEILING | >1000 | 1000 | 900 | 800 | 700 | 600 | 500 | 400 | 300 | 200 | 100 | 0 |
|---------|-------|------|------|------|------|------|------|------|------|------|------|------|
| 14.1 | 51.9 | 53.7 | 55.5 | 57.6 | 59.7 | 61.8 | 63.9 | 65.9 | 68.0 | 70.0 | 72.0 | 74.0 |
| 15.2 | 63.4 | 66.1 | 67.9 | 69.1 | 70.2 | 71.3 | 72.4 | 73.5 | 74.6 | 75.7 | 76.8 | 77.9 |
| 16.1 | 65.6 | 66.1 | 67.3 | 67.4 | 68.6 | 69.7 | 70.8 | 71.9 | 73.0 | 74.1 | 75.2 | 76.3 |
| 16.2 | 63.9 | 66.1 | 67.3 | 68.4 | 69.6 | 70.7 | 71.8 | 72.9 | 74.0 | 75.1 | 76.2 | 77.3 |
| 16.3 | 63.3 | 66.4 | 68.2 | 69.1 | 69.2 | 69.3 | 69.3 | 69.7 | 69.3 | 69.3 | 69.3 | 69.3 |
| 17.3 | 69.6 | 69.2 | 71.2 | 71.3 | 71.4 | 71.6 | 71.8 | 71.9 | 72.0 | 72.1 | 72.2 | 72.3 |
| 17.3 | 69.4 | 72.0 | 75.3 | 76.3 | 76.4 | 76.6 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| 18.1 | 72.4 | 73.4 | 76.3 | 77.7 | 77.9 | 78.1 | 78.3 | 78.5 | 78.7 | 78.9 | 79.1 | 79.3 |
| 19.7 | 72.3 | 76.1 | 79.3 | 80.3 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| 20.1 | 74.3 | 77.3 | 80.7 | 82.0 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| 20.7 | 75.6 | 79.3 | 82.2 | 83.6 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| 21.1 | 76.7 | 81.4 | 82.4 | 84.8 | 85.2 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 21.1 | 76.9 | 82.7 | 83.7 | 85.0 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 21.3 | 74.4 | 82.4 | 85.6 | 87.0 | 87.2 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 21.3 | 74.4 | 82.4 | 86.6 | 88.0 | 88.2 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 21.7 | 82.1 | 85.1 | 89.1 | 92.7 | 92.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 22.1 | 83.1 | 87.2 | 91.8 | 92.1 | 92.3 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 22.1 | 84.6 | 83.7 | 92.1 | 93.7 | 93.2 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 22.1 | 85.0 | 89.4 | 92.3 | 94.4 | 94.7 | 94.9 | 94.7 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| 22.4 | 85.2 | 90.1 | 94.3 | 95.8 | 96.0 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| 22.4 | 87.1 | 91.2 | 95.2 | 97.1 | 97.4 | 97.7 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| 22.4 | 87.2 | 92.6 | 96.1 | 97.9 | 98.4 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 22.1 | 87.2 | 92.4 | 96.6 | 98.4 | 99.0 | 99.2 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 22.1 | 87.6 | 92.4 | 96.6 | 98.4 | 99.0 | 99.2 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 22.1 | 87.6 | 92.8 | 96.6 | 98.4 | 99.1 | 99.3 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 22.4 | 87.6 | 92.4 | 96.6 | 98.4 | 99.1 | 99.3 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 22.1 | 87.6 | 92.9 | 96.6 | 98.4 | 99.0 | 99.3 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 22.1 | 87.6 | 92.9 | 96.6 | 98.4 | 99.0 | 99.3 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 22.1 | 87.6 | 92.9 | 96.6 | 98.4 | 99.0 | 99.3 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 721

FEDERAL CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

1224 BLYTHEVILLE AFB AR

73-52

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

10-2-1966

| CEILING | 26 | 31 | 34 | 39 | 44 | 49 | 54 | 59 | 64 | 69 | 74 | 79 | 84 | 89 | 94 | 99 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 100 | 17.7 | 18.0 | 50.7 | 51.0 | 51.3 | 51.3 | 51.3 | 51.3 | 51.7 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| 90 | 17.7 | 61.1 | 61.5 | 62.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| 80 | 20.1 | 61.5 | 62.7 | 63.1 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| 70 | 20.4 | 62.1 | 62.9 | 63.7 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| 60 | 21.7 | 62.7 | 63.5 | 64.6 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| 50 | 21.2 | 64.4 | 65.6 | 66.0 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| 40 | 21.4 | 67.2 | 68.4 | 69.6 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| 30 | 20.1 | 65.9 | 71.1 | 71.2 | 71.2 | 71.9 | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| 20 | 24.3 | 72.3 | 73.7 | 74.9 | 75.6 | 75.6 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 10 | 24.4 | 73.7 | 74.1 | 74.2 | 75.9 | 76.9 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 0 | 24.4 | 74.4 | 75.1 | 77.3 | 77.3 | 78.0 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| 0 | 24.4 | 76.2 | 77.4 | 79.7 | 80.3 | 80.3 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| 0 | 24.3 | 76.4 | 78.1 | 79.9 | 80.6 | 80.6 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| 0 | 24.7 | 78.7 | 81.1 | 83.2 | 84.0 | 84.0 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| 0 | 65.1 | 1.9 | 84.5 | 8.9 | 87.7 | 87.7 | 87.9 | 87.9 | 87.9 | 87.9 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| 0 | 86.3 | 85.2 | 89.4 | 91.9 | 92.9 | 92.9 | 93.1 | 93.1 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| 0 | 87.6 | 88.3 | 91.7 | 94.1 | 95.1 | 95.1 | 95.3 | 95.3 | 95.4 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| 0 | 87.6 | 89.1 | 92.9 | 95.9 | 97.1 | 97.3 | 97.6 | 97.6 | 97.7 | 97.8 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 0 | 87.6 | 89.2 | 93.0 | 96.0 | 97.2 | 97.4 | 97.7 | 97.7 | 97.8 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 0 | 87.6 | 89.7 | 93.4 | 96.0 | 97.8 | 98.0 | 98.2 | 98.2 | 98.3 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 0 | 87.7 | 91.3 | 94.2 | 97.2 | 98.4 | 98.7 | 99.0 | 99.0 | 99.1 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 0 | 87.7 | 91.7 | 94.6 | 97.6 | 98.8 | 99.0 | 99.3 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 0 | 87.7 | 93.7 | 94.6 | 97.6 | 98.8 | 99.0 | 99.3 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 0 | 87.7 | 93.7 | 94.6 | 97.6 | 98.8 | 99.0 | 99.3 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 0 | 87.7 | 93.7 | 94.6 | 97.6 | 98.8 | 99.0 | 99.3 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 0 | 87.7 | 93.7 | 94.6 | 97.6 | 98.8 | 99.0 | 99.3 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 0 | 87.7 | 93.7 | 94.6 | 97.6 | 98.8 | 99.0 | 99.3 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 0 | 87.7 | 93.7 | 94.6 | 97.6 | 98.8 | 99.0 | 99.3 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 0 | 87.7 | 93.7 | 94.6 | 97.6 | 98.8 | 99.0 | 99.3 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 0 | 87.7 | 93.7 | 94.6 | 97.6 | 98.8 | 99.0 | 99.3 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 0 | 87.7 | 93.7 | 94.6 | 97.6 | 98.8 | 99.0 | 99.3 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 0 | 87.7 | 93.7 | 94.6 | 97.6 | 98.8 | 99.0 | 99.3 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 0 | 87.7 | 93.7 | 94.6 | 97.6 | 98.8 | 99.0 | 99.3 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 0 | 87.7 | 93.7 | 94.6 | 97.6 | 98.8 | 99.0 | 99.3 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 1000

CEILING VERSUS VISIBILITY

1239.8 WYTHEVILLE AFB A

75-07

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1239-1720

| VISIBILITY (FEET) | CEILING (FEET) | | | | | | | | | | | | | | | | | | | | |
|-------------------|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
| 17.5 | 53.4 | 54.4 | 56.3 | 56.0 | 56.0 | 56.3 | 56.3 | 56.7 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| 21.7 | 65.6 | 67.1 | 68.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| 22.0 | 66.1 | 67.5 | 69.3 | 67.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| 22.1 | 66.3 | 67.2 | 69.5 | 70.3 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 |
| 22.1 | 66.7 | 69.1 | 69.1 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| 22.4 | 68.2 | 69.3 | 71.7 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| 23.1 | 73.1 | 75.1 | 77.0 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 23.1 | 74.1 | 74.2 | 75.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| 23.3 | 77.1 | 79.3 | 81.4 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| 23.3 | 77.8 | 82.3 | 82.1 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| 23.4 | 76.7 | 81.1 | 83.1 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| 25.0 | 82.1 | 82.8 | 85.1 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| 25.3 | 82.4 | 83.3 | 85.8 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| 25.7 | 84.0 | 87.4 | 89.3 | 90.6 | 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 | 90.8 | 90.8 | 90.8 | 90.8 |
| 26.3 | 86.2 | 89.8 | 92.2 | 92.9 | 93.3 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| 27.3 | 88.2 | 92.4 | 95.1 | 95.2 | 95.3 | 95.4 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| 27.4 | 88.7 | 93.2 | 95.8 | 97.4 | 97.6 | 97.7 | 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 | 98.0 |
| 27.4 | 89.3 | 94.1 | 96.6 | 98.2 | 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 | 98.9 | 98.9 |
| 27.4 | 89.6 | 94.2 | 96.3 | 98.4 | 98.7 | 98.8 | 99.1 | 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 |
| 27.4 | 90.1 | 94.9 | 97.4 | 99.1 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 27.4 | 90.1 | 94.9 | 97.4 | 99.1 | 99.3 | 99.4 | 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 |
| 27.4 | 90.1 | 94.2 | 97.4 | 99.1 | 99.3 | 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 |
| 27.4 | 91.1 | 94.9 | 97.4 | 99.1 | 99.3 | 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 |
| 27.4 | 91.1 | 94.2 | 97.4 | 99.1 | 99.3 | 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 |
| 27.4 | 91.1 | 94.9 | 97.4 | 99.1 | 99.3 | 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 |
| 27.4 | 91.1 | 94.9 | 97.4 | 99.1 | 99.3 | 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 |
| 27.4 | 91.1 | 94.9 | 97.4 | 99.1 | 99.3 | 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 |
| 27.4 | 91.1 | 94.9 | 97.4 | 99.1 | 99.3 | 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 |

TOTAL NUMBER OF OBSERVATIONS 4720

CEILING VERSUS VISIBILITY

1289-1 BLYTHEVILLE AFB AR

73-10

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

12-7-73

| CEILING | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 11.0 | 59.7 | 61.9 | 62.3 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| 12.4 | 71.2 | 72.2 | 74.5 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| 13.6 | 71.2 | 73.5 | 75.4 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| 15.5 | 71.2 | 73.5 | 75.4 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| 17.6 | 71.2 | 74.0 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| 19.5 | 72.4 | 75.2 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| 21.3 | 77.4 | 81.7 | 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 | 82.6 | 82.6 |
| 23.2 | 78.1 | 81.3 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| 25.3 | 81.9 | 85.4 | 87.2 | 87.4 | 87.4 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| 27.0 | 84.4 | 85.7 | 87.0 | 87.2 | 88.2 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| 28.1 | 83.1 | 86.7 | 88.6 | 89.7 | 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 | 89.2 | 89.2 | 89.2 |
| 29.3 | 83.9 | 87.4 | 89.3 | 89.8 | 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 | 90.0 |
| 30.3 | 84.6 | 88.2 | 90.3 | 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 | 91.2 | 91.2 |
| 31.3 | 86.5 | 90.8 | 93.0 | 93.8 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 32.0 | 87.9 | 92.3 | 94.6 | 95.3 | 95.6 | 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 |
| 33.1 | 88.6 | 94.2 | 96.4 | 97.6 | 97.9 | 98.2 | 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 |
| 34.1 | 89.6 | 94.2 | 96.5 | 97.9 | 98.3 | 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 |
| 35.1 | 89.9 | 94.9 | 97.2 | 98.6 | 99.0 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 36.1 | 89.9 | 94.9 | 97.2 | 98.6 | 99.0 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 37.1 | 89.9 | 94.9 | 97.2 | 98.6 | 99.0 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 38.1 | 90.0 | 95.1 | 97.4 | 98.8 | 99.2 | 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 |
| 39.1 | 90.0 | 95.2 | 97.6 | 98.9 | 99.3 | 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 |
| 40.1 | 90.0 | 95.2 | 97.6 | 98.9 | 99.3 | 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 |
| 41.1 | 90.0 | 95.2 | 97.6 | 98.9 | 99.3 | 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 |
| 42.1 | 90.0 | 95.2 | 97.6 | 98.9 | 99.3 | 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 |
| 43.1 | 90.0 | 95.2 | 97.6 | 98.9 | 99.3 | 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 |
| 44.1 | 90.0 | 95.2 | 97.6 | 98.9 | 99.3 | 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 |
| 45.1 | 90.0 | 95.2 | 97.6 | 98.9 | 99.3 | 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 |
| 46.1 | 90.0 | 95.2 | 97.6 | 98.9 | 99.3 | 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 |
| 47.1 | 90.0 | 95.2 | 97.6 | 98.9 | 99.3 | 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 |
| 48.1 | 90.0 | 95.2 | 97.6 | 98.9 | 99.3 | 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 |
| 49.1 | 90.0 | 95.2 | 97.6 | 98.9 | 99.3 | 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 |
| 50.1 | 90.0 | 95.2 | 97.6 | 98.9 | 99.3 | 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 |

TOTAL NUMBER OF OBSERVATIONS 720

LOCAL CLIMATOLOGY BRANCH
ETAC
ALABAMA CENTER SERVICE/ETAC

CEILING VERSUS VISIBILITY

72-60
WILKINSVILLE AFB AL

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

INSTITUTION NUMBER

| 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 71.1 | 66.3 | 71.7 | 71.9 | 71.5 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| 72.2 | 73.2 | 77.2 | 77.8 | 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 |
| 73.2 | 73.8 | 77.8 | 78.1 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| 74.2 | 73.4 | 77.4 | 78.1 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| 75.2 | 73.7 | 77.7 | 78.2 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| 76.2 | 74.7 | 78.7 | 79.2 | 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 |
| 77.2 | 77.1 | 83.2 | 83.9 | 84.8 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 78.2 | 79.4 | 83.5 | 84.2 | 85.1 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| 79.2 | 83.1 | 87.6 | 88.3 | 89.2 | 89.8 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 80.2 | 83.6 | 88.1 | 88.8 | 89.7 | 90.3 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| 81.2 | 84.6 | 89.2 | 90.2 | 91.1 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| 82.2 | 85.6 | 90.4 | 91.4 | 92.3 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| 83.2 | 86.9 | 91.6 | 91.6 | 92.4 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| 84.2 | 87.9 | 92.7 | 93.7 | 94.6 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| 85.2 | 88.8 | 93.9 | 94.9 | 96.0 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| 86.2 | 89.6 | 94.9 | 96.1 | 97.4 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 87.2 | 90.0 | 95.4 | 96.8 | 98.2 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 88.2 | 90.3 | 95.8 | 97.1 | 98.7 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 89.2 | 90.3 | 95.8 | 97.1 | 98.7 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 90.2 | 90.3 | 96.1 | 97.3 | 98.9 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 91.2 | 90.3 | 96.1 | 97.7 | 99.2 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 92.2 | 90.3 | 96.1 | 97.7 | 99.2 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 93.2 | 90.3 | 96.1 | 97.8 | 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 |
| 94.2 | 90.3 | 96.1 | 97.8 | 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 |
| 95.2 | 90.3 | 96.1 | 97.8 | 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 |
| 96.2 | 90.3 | 96.1 | 97.8 | 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 |
| 97.2 | 90.3 | 96.1 | 97.8 | 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 |
| 98.2 | 90.3 | 96.1 | 97.8 | 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 |
| 99.2 | 90.3 | 96.1 | 97.8 | 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 |
| 100.2 | 90.3 | 96.1 | 97.8 | 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 |

TOTAL NUMBER OF OBSERVATIONS

FEDERAL CLIMATOLOGY BRANCH
 METAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

73-85 BLYTHEVILLE AFB AR

73-85

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| CEILING (ft) | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 55.0 | 55.0 | 58.3 | 59.3 | 57.6 | 63.9 | 51.2 | 41.2 | 51.7 | 61.7 | 61.7 | 61.3 | 61.3 | 61.7 | 61.7 | 61.7 | 61.7 |
| 58.0 | 64.4 | 68.2 | 71.5 | 71.1 | 71.5 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| 61.0 | 64.8 | 68.6 | 71.4 | 71.5 | 71.3 | 72.1 | 72.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| 64.0 | 64.2 | 68.7 | 71.2 | 71.6 | 71.2 | 72.2 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| 67.0 | 65.1 | 69.9 | 70.9 | 72.0 | 72.4 | 72.7 | 72.8 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| 70.0 | 68.5 | 70.4 | 72.4 | 73.6 | 73.2 | 74.2 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| 73.0 | 71.9 | 75.4 | 77.5 | 73.8 | 79.2 | 79.5 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| 76.0 | 71.6 | 76.1 | 78.4 | 79.6 | 80.1 | 82.4 | 82.2 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 79.0 | 74.6 | 79.2 | 81.6 | 83.9 | 83.8 | 83.8 | 83.9 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 82.0 | 75.3 | 80.9 | 82.4 | 83.8 | 84.2 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| 85.0 | 76.1 | 81.1 | 83.5 | 85.0 | 85.4 | 85.9 | 86.0 | 86.1 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| 88.0 | 77.4 | 82.5 | 85.1 | 86.5 | 87.0 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 91.0 | 77.9 | 83.1 | 85.6 | 87.1 | 87.6 | 88.1 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| 94.0 | 80.1 | 85.6 | 88.3 | 89.9 | 91.4 | 92.9 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 97.0 | 81.3 | 87.1 | 89.8 | 91.5 | 92.5 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| 100.0 | 82.9 | 88.9 | 91.6 | 93.6 | 94.2 | 94.7 | 94.8 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| 105.0 | 83.7 | 89.8 | 92.6 | 94.8 | 95.4 | 95.9 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| 110.0 | 84.4 | 91.6 | 93.7 | 95.7 | 96.4 | 96.9 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| 115.0 | 84.8 | 90.8 | 93.9 | 95.9 | 96.6 | 97.1 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 120.0 | 84.7 | 91.1 | 94.2 | 96.3 | 97.0 | 97.5 | 97.7 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| 125.0 | 85.1 | 91.7 | 94.7 | 96.9 | 97.6 | 98.2 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| 130.0 | 85.3 | 92.7 | 95.2 | 97.3 | 98.0 | 98.6 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 135.0 | 85.4 | 92.1 | 95.2 | 97.4 | 98.1 | 98.7 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 140.0 | 85.5 | 92.2 | 95.4 | 97.6 | 98.3 | 98.9 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 145.0 | 85.5 | 92.2 | 95.5 | 97.7 | 98.4 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 150.0 | 85.5 | 92.2 | 95.5 | 97.7 | 98.4 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 155.0 | 85.5 | 92.2 | 95.5 | 97.7 | 98.4 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 160.0 | 85.5 | 92.2 | 95.5 | 97.7 | 98.4 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 165.0 | 85.5 | 92.2 | 95.5 | 97.7 | 98.4 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 170.0 | 85.5 | 92.2 | 95.5 | 97.7 | 98.4 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 175.0 | 85.5 | 92.2 | 95.5 | 97.7 | 98.4 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 180.0 | 85.5 | 92.2 | 95.5 | 97.7 | 98.4 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 185.0 | 85.5 | 92.2 | 95.5 | 97.7 | 98.4 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 190.0 | 85.5 | 92.2 | 95.5 | 97.7 | 98.4 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 195.0 | 85.5 | 92.2 | 95.5 | 97.7 | 98.4 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 200.0 | 85.5 | 92.2 | 95.5 | 97.7 | 98.4 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS 7195

CEILING VERSUS VISIBILITY

12/28/68 WYTHEVILLE AFB, VA

78-82

111

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1000-1100

| CEILING (feet) | 74.0 | 74.9 | 75.8 | 76.7 | 77.6 | 78.5 | 79.4 | 80.3 | 81.2 | 82.1 | 83.0 | 83.9 | 84.8 | 85.7 | 86.6 | 87.5 | 88.4 | 89.3 | 90.2 | 91.1 | 92.0 | 92.9 | 93.8 | 94.7 | 95.6 | 96.5 | 97.4 | 98.3 | 99.2 | 100.0 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 1000 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 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 |
| 950 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| 900 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 |
| 850 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 |
| 800 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 |
| 750 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 700 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

TOTAL NUMBER OF OBSERVATIONS 97

CEILING VERSUS VISIBILITY

STATION: WYTHEVILLE AFB, VA

75-37

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

11-1-1957

| CEILING | 1000 | 900 | 800 | 700 | 600 | 500 | 400 | 300 | 200 | 100 | 0 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1000 | 1.5 | 52.3 | 67.7 | 55.6 | 62.7 | 71.3 | 71.9 | 73.1 | 77.7 | 73.5 | 74.7 | 74.7 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| 900 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 800 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 700 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 600 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 500 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 400 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 300 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 200 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 100 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 0 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 1000 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 900 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 800 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 700 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 600 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 500 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 400 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 300 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 200 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 100 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| 0 | 10.3 | 58.6 | 68.2 | 71.7 | 75.8 | 78.3 | 78.2 | 80.1 | 80.7 | 81.8 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |

TOTAL NUMBER OF OBSERVATIONS 7

LOCAL CLIMATE DATA BRANCH
 METAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: WILLYSVILLE AFB A

73-60

July

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

50-P-2000

USAF FORM 7-61

| CEILING | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|----|----|----|--|
| 4.1 | 38.0 | 40.0 | 51.5 | 61.7 | 63.5 | 64.7 | 46.1 | 66.0 | 66.9 | 67.1 | 67.1 | 67.3 | 67.7 | 67.7 | 67.9 | | | | | | | |
| 5.1 | 41.2 | 54.0 | 61.4 | 67.1 | 70.3 | 71.3 | 73.1 | 73.4 | 73.5 | 73.6 | 73.8 | 74.0 | 74.0 | 74.0 | 74.0 | | | | | | | |
| 6.1 | 41.2 | 54.0 | 61.4 | 67.1 | 70.3 | 71.3 | 73.1 | 73.4 | 73.5 | 73.6 | 73.8 | 74.0 | 74.0 | 74.0 | 74.0 | | | | | | | |
| 7.1 | 41.5 | 54.3 | 61.7 | 67.4 | 70.6 | 71.6 | 73.1 | 73.5 | 73.9 | 74.1 | 74.1 | 74.3 | 74.7 | 74.7 | 74.8 | | | | | | | |
| 8.1 | 42.5 | 55.0 | 63.2 | 69.2 | 72.0 | 74.2 | 75.7 | 76.1 | 76.2 | 76.5 | 76.5 | 76.7 | 76.7 | 76.7 | 76.7 | | | | | | | |
| 9.1 | 45.7 | 61.3 | 67.8 | 75.1 | 78.6 | 80.3 | 82.0 | 82.0 | 82.6 | 82.6 | 82.8 | 83.0 | 83.0 | 83.0 | 83.0 | | | | | | | |
| 10.1 | 47.2 | 61.5 | 69.4 | 75.6 | 79.1 | 80.9 | 82.0 | 83.0 | 83.1 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | | | | | | | |
| 11.1 | 50.0 | 65.7 | 73.1 | 77.4 | 83.0 | 84.8 | 86.0 | 87.0 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | | | | | | | |
| 12.1 | 51.5 | 65.7 | 73.7 | 79.9 | 83.0 | 85.4 | 87.1 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | | | | | | | |
| 13.1 | 51.2 | 65.3 | 74.3 | 80.6 | 84.3 | 86.1 | 87.3 | 88.3 | 88.4 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | | | | | | | |
| 14.1 | 51.7 | 67.1 | 74.2 | 81.3 | 84.2 | 86.8 | 88.0 | 88.2 | 88.2 | 88.5 | 88.5 | 88.7 | 88.7 | 88.7 | 88.7 | | | | | | | |
| 15.1 | 52.3 | 67.9 | 75.5 | 81.8 | 85.5 | 87.3 | 89.1 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | | | | | | | |
| 16.1 | 53.2 | 68.3 | 76.9 | 83.3 | 87.1 | 88.9 | 90.3 | 91.2 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | | | | | | | |
| 17.1 | 53.5 | 69.0 | 77.3 | 83.8 | 87.5 | 89.5 | 91.1 | 91.7 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | | | | | | | |
| 18.1 | 53.8 | 69.5 | 77.7 | 84.2 | 88.1 | 90.1 | 91.4 | 92.3 | 92.6 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 | | | | | | | |
| 19.1 | 53.9 | 69.7 | 77.8 | 84.4 | 88.3 | 90.3 | 92.0 | 92.6 | 92.9 | 93.1 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | | | | | | | |
| 20.1 | 54.7 | 70.6 | 79.1 | 85.7 | 89.6 | 91.7 | 93.5 | 94.0 | 94.3 | 94.5 | 94.5 | 94.7 | 94.7 | 94.7 | 94.7 | | | | | | | |
| 21.1 | 55.3 | 71.1 | 79.0 | 86.3 | 90.2 | 92.4 | 94.2 | 94.6 | 94.9 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | | | | | | | |
| 22.1 | 55.7 | 71.7 | 80.4 | 87.0 | 91.0 | 93.3 | 95.2 | 95.6 | 96.0 | 96.2 | 96.2 | 96.5 | 96.5 | 96.5 | 96.5 | | | | | | | |
| 23.1 | 56.2 | 72.5 | 81.3 | 89.1 | 92.3 | 94.7 | 96.6 | 97.0 | 97.4 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | | | | | | | |
| 24.1 | 56.2 | 72.5 | 81.3 | 89.2 | 92.5 | 95.2 | 97.1 | 97.5 | 98.1 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | | | | | | | |
| 25.1 | 56.6 | 72.9 | 81.8 | 89.7 | 93.1 | 95.8 | 97.8 | 98.4 | 98.8 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | | | | | | | |
| 26.1 | 56.6 | 72.8 | 81.8 | 89.8 | 93.2 | 95.9 | 98.1 | 98.5 | 98.9 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | | | | | | | |
| 27.1 | 56.6 | 72.9 | 81.9 | 89.9 | 93.3 | 96.1 | 98.2 | 98.7 | 99.1 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | | | | | | | |
| 28.1 | 56.6 | 72.8 | 81.8 | 89.9 | 93.3 | 96.3 | 98.4 | 98.9 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | | | | | | | |
| 29.1 | 56.6 | 72.8 | 81.9 | 89.9 | 93.3 | 96.3 | 98.4 | 98.9 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | | | | | | | |
| 30.1 | 56.6 | 72.8 | 81.9 | 89.9 | 93.3 | 96.3 | 98.4 | 98.9 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 73

CEILING VERSUS VISIBILITY

STATION: WYTHEVILLE AFB A

73-37

1941

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

100-110

| CEILING | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2.5 | 52.0 | 61.1 | 64.1 | 65.9 | 65.9 | 65.9 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| 3.2 | 57.1 | 65.8 | 69.2 | 72.4 | 72.5 | 73.3 | 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 | 73.7 | 73.7 |
| 4.2 | 57.1 | 66.3 | 69.9 | 72.4 | 72.5 | 73.3 | 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 | 73.7 | 73.7 |
| 5.2 | 57.4 | 66.9 | 73.2 | 72.7 | 72.8 | 73.7 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| 6.5 | 59.5 | 69.1 | 72.7 | 75.2 | 75.3 | 76.1 | 76.1 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| 7.7 | 64.7 | 74.2 | 78.0 | 80.6 | 80.6 | 81.6 | 81.6 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| 8.8 | 64.1 | 74.7 | 78.1 | 80.8 | 80.9 | 81.7 | 81.7 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| 9.4 | 65.2 | 74.5 | 78.2 | 83.1 | 83.2 | 84.1 | 84.2 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| 10.4 | 66.8 | 77.1 | 83.9 | 83.7 | 83.8 | 84.6 | 84.8 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 11.4 | 68.5 | 77.1 | 83.9 | 83.8 | 83.9 | 84.7 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 12.4 | 67.5 | 77.9 | 81.9 | 84.8 | 84.9 | 85.8 | 86.2 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| 13.1 | 69.2 | 80.4 | 84.8 | 87.7 | 87.8 | 89.7 | 88.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 13.6 | 71.2 | 81.5 | 86.3 | 87.9 | 88.1 | 90.2 | 90.2 | 90.7 | 90.3 | 90.7 | 90.3 | 90.7 | 90.3 | 90.7 | 90.3 | 90.7 | 90.3 | 90.7 | 90.3 | 90.7 | 90.3 | 90.7 | 90.3 | 90.7 |
| 13.9 | 71.1 | 82.5 | 87.1 | 91.1 | 90.3 | 91.2 | 91.2 | 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 | 91.7 |
| 14.3 | 71.3 | 82.9 | 87.4 | 91.4 | 90.8 | 91.6 | 91.9 | 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 | 92.2 | 92.2 | 92.2 | 92.2 |
| 14.8 | 71.3 | 83.1 | 88.5 | 91.7 | 91.8 | 92.9 | 93.2 | 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 | 93.5 |
| 15.3 | 74.1 | 85.8 | 90.8 | 94.1 | 94.5 | 95.5 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| 16.3 | 74.7 | 85.7 | 91.7 | 95.2 | 95.6 | 96.6 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 17.1 | 75.4 | 87.5 | 92.7 | 96.2 | 96.7 | 97.7 | 98.4 | 98.7 | 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 |
| 18.1 | 75.4 | 87.7 | 92.7 | 96.2 | 96.7 | 97.7 | 98.4 | 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 | 98.8 |
| 19.2 | 75.9 | 87.7 | 92.9 | 96.5 | 96.9 | 98.0 | 98.6 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 19.7 | 75.3 | 89.7 | 93.2 | 96.8 | 97.2 | 98.4 | 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 | 99.5 | 99.5 |
| 19.8 | 75.1 | 89.7 | 93.5 | 97.1 | 97.5 | 98.7 | 99.4 | 99.7 | 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 |
| 20.2 | 75.1 | 89.7 | 93.5 | 97.1 | 97.5 | 98.8 | 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 | 99.9 | 99.9 |
| 20.4 | 76.1 | 89.7 | 93.5 | 97.1 | 97.5 | 98.8 | 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 | 99.9 | 99.9 |
| 20.7 | 76.1 | 89.7 | 93.5 | 97.1 | 97.5 | 98.8 | 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 | 99.9 | 99.9 |
| 21.2 | 76.1 | 89.7 | 93.5 | 97.1 | 97.5 | 98.8 | 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 | 99.9 | 99.9 |
| 21.7 | 76.1 | 89.7 | 93.5 | 97.1 | 97.5 | 98.8 | 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 | 99.9 | 99.9 |
| 22.2 | 75.1 | 89.7 | 93.5 | 97.1 | 97.5 | 98.8 | 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 | 99.9 | 99.9 |
| 22.7 | 75.1 | 89.7 | 93.5 | 97.1 | 97.5 | 98.8 | 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 | 99.9 | 99.9 |
| 23.2 | 75.1 | 89.7 | 93.5 | 97.1 | 97.5 | 98.8 | 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 | 99.9 | 99.9 |
| 23.7 | 75.1 | 89.7 | 93.5 | 97.1 | 97.5 | 98.8 | 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 | 99.9 | 99.9 |
| 24.2 | 75.1 | 89.7 | 93.5 | 97.1 | 97.5 | 98.8 | 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 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 727

CEILING VERSUS VISIBILITY

13500 WLYTHEVILLE AFB A

73-87

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

13500-1444

| | | | | | | | | | | | | | | | | | | | |
|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 7.0 | 53.7 | 58.0 | 61.0 | 64.6 | 70.1 | 69.2 | 69.0 | 69.7 | 69.2 | 69.7 | 69.0 | 69.2 | 69.7 | 69.0 | 69.2 | 69.7 | 69.0 | 69.2 | 69.7 |
| 10.0 | 45.0 | 47.2 | 51.9 | 57.2 | 62.7 | 72.2 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| 13.0 | 35.0 | 37.0 | 41.1 | 47.4 | 52.9 | 63.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| 16.0 | 26.5 | 27.0 | 31.7 | 37.0 | 43.5 | 53.7 | 63.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| 19.0 | 17.2 | 17.0 | 22.5 | 28.2 | 34.8 | 44.4 | 54.4 | 64.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| 22.0 | 7.2 | 7.0 | 12.7 | 18.2 | 24.8 | 34.8 | 44.4 | 54.4 | 64.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| 25.0 | 0.0 | 0.0 | 5.0 | 10.5 | 16.0 | 26.0 | 36.0 | 46.0 | 56.0 | 66.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| 28.0 | 0.0 | 0.0 | 0.0 | 5.0 | 10.5 | 16.0 | 26.0 | 36.0 | 46.0 | 56.0 | 66.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| 31.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 10.5 | 16.0 | 26.0 | 36.0 | 46.0 | 56.0 | 66.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| 34.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 10.5 | 16.0 | 26.0 | 36.0 | 46.0 | 56.0 | 66.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| 37.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 10.5 | 16.0 | 26.0 | 36.0 | 46.0 | 56.0 | 66.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| 40.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 10.5 | 16.0 | 26.0 | 36.0 | 46.0 | 56.0 | 66.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| 43.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 10.5 | 16.0 | 26.0 | 36.0 | 46.0 | 56.0 | 66.0 | 76.0 | 76.0 | 76.0 |
| 46.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 10.5 | 16.0 | 26.0 | 36.0 | 46.0 | 56.0 | 66.0 | 76.0 | 76.0 |
| 49.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 10.5 | 16.0 | 26.0 | 36.0 | 46.0 | 56.0 | 66.0 | 76.0 |
| 52.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 10.5 | 16.0 | 26.0 | 36.0 | 46.0 | 56.0 | 66.0 |
| 55.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 10.5 | 16.0 | 26.0 | 36.0 | 46.0 | 56.0 |
| 58.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 10.5 | 16.0 | 26.0 | 36.0 | 46.0 |
| 61.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 10.5 | 16.0 | 26.0 | 36.0 |
| 64.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 10.5 | 16.0 | 26.0 |
| 67.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 10.5 | 16.0 |
| 70.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 | 10.5 |
| 73.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 |
| 76.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 |
| 79.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 |
| 82.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 |
| 85.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 |
| 88.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 |
| 91.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 |
| 94.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 |
| 97.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 |
| 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 13500

CEILING VERSUS VISIBILITY

144000 010520Z JUL 67 AFB
010520Z JUL 67 AFB

73-57

041

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

11-17-67

| | | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.0 | 61.2 | 73.0 | 74.7 | 75.3 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 12.0 | 61.5 | 73.4 | 74.9 | 75.6 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| 12.0 | 71.1 | 74.1 | 76.5 | 75.1 | 75.7 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| 13.3 | 76.7 | 81.1 | 82.0 | 84.6 | 85.3 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 14.3 | 80.2 | 84.4 | 86.5 | 88.1 | 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 |
| 14.4 | 1.2 | 65.0 | 67.8 | 69.5 | 70.1 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| 14.4 | 11.4 | 56.5 | 68.6 | 81.2 | 82.9 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 14.4 | 1.6 | 66.7 | 68.5 | 90.4 | 91.1 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 14.7 | 84.1 | 87.4 | 91.5 | 93.5 | 94.2 | 94.3 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| 14.8 | 85.9 | 91.4 | 94.1 | 95.8 | 96.5 | 96.7 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| 14.8 | 87.6 | 93.4 | 96.1 | 97.8 | 98.6 | 98.8 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 14.8 | 87.7 | 93.7 | 96.5 | 98.3 | 99.0 | 99.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 14.8 | 87.7 | 93.7 | 96.5 | 98.3 | 99.0 | 99.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 14.8 | 87.7 | 93.7 | 96.7 | 98.5 | 99.2 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 14.8 | 87.7 | 93.7 | 96.7 | 98.5 | 99.2 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 14.8 | 87.7 | 93.7 | 96.7 | 98.5 | 99.2 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 14.8 | 87.7 | 93.7 | 96.7 | 98.5 | 99.2 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 14.8 | 87.7 | 93.7 | 96.7 | 98.5 | 99.2 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 14.8 | 87.7 | 93.7 | 96.7 | 98.5 | 99.2 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 14.8 | 87.7 | 93.7 | 96.7 | 98.5 | 99.2 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 17

AL CLIMATOLOGY MAC
 TAC
 CATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

44c 44c WLY THE WLY AFB AL

73-0

44c

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

44c-2000

VISIBILITY STATISTICS

| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.1 | 54.8 | 57.4 | 58.3 | 59.4 | 59.6 | 57.3 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| 15.1 | 69.1 | 73.1 | 74.3 | 75.3 | 75.6 | 77.2 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| 15.2 | 69.1 | 73.3 | 74.5 | 75.6 | 75.8 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| 15.3 | 69.1 | 73.3 | 74.5 | 75.6 | 75.8 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| 15.4 | 69.3 | 73.7 | 74.5 | 75.9 | 77.1 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| 15.5 | 75.8 | 87.7 | 92.7 | 94.9 | 95.2 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| 16.5 | 75.8 | 87.7 | 92.7 | 94.9 | 95.2 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| 17.7 | 82.2 | 85.3 | 87.7 | 92.9 | 93.2 | 93.6 | 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 |
| 18.1 | 86.2 | 88.7 | 91.1 | 91.3 | 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 |
| 18.2 | 82.7 | 87.4 | 92.3 | 92.7 | 92.9 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| 18.3 | 83.4 | 88.2 | 91.1 | 93.4 | 93.7 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 18.4 | 83.2 | 88.2 | 93.4 | 96.3 | 96.2 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| 18.5 | 87.1 | 92.2 | 95.7 | 98.3 | 98.2 | 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 |
| 18.6 | 87.2 | 92.4 | 95.9 | 98.5 | 98.8 | 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 |
| 18.7 | 87.2 | 92.4 | 95.9 | 98.5 | 98.8 | 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 |
| 18.8 | 87.3 | 92.5 | 96.1 | 98.6 | 98.9 | 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 |
| 18.9 | 87.3 | 92.5 | 96.1 | 98.6 | 98.9 | 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 |
| 19.0 | 87.3 | 92.5 | 96.1 | 98.6 | 98.9 | 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 |
| 19.1 | 87.4 | 92.6 | 96.1 | 98.7 | 99.1 | 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 |
| 19.2 | 87.4 | 92.6 | 96.1 | 98.7 | 99.1 | 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 |
| 19.3 | 87.4 | 92.6 | 96.1 | 98.7 | 99.1 | 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 |
| 19.4 | 87.4 | 92.6 | 96.1 | 98.7 | 99.1 | 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 |
| 19.5 | 87.4 | 92.6 | 96.1 | 98.7 | 99.1 | 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 |

TOTAL NUMBER OF OBSERVATIONS 31

LOCAL METEOROLOGICAL BRANCH
 1477AC
 WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

STATION: WYTHEVILLE AFB, VA

73-57

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| CEILING | 1000 | 900 | 800 | 700 | 600 | 500 | 400 | 300 | 200 | 100 | 0 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 | |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 54.0 | 67.0 | 72.4 | 74.4 | 75.4 | 75.9 | 76.4 | 76.5 | 76.8 | 76.9 | 77.0 | 77.1 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| 11.0 | 62.7 | 69.7 | 72.3 | 73.7 | 75.3 | 75.5 | 77.1 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| 12.0 | 62.7 | 69.7 | 72.3 | 73.7 | 75.3 | 75.5 | 77.1 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| 13.0 | 62.7 | 69.7 | 72.3 | 73.7 | 75.3 | 75.5 | 77.1 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| 14.0 | 63.0 | 70.1 | 72.6 | 75.3 | 75.3 | 76.2 | 77.4 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 15.0 | 64.0 | 71.2 | 73.8 | 75.5 | 77.6 | 78.2 | 78.7 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| 16.0 | 65.0 | 75.3 | 79.3 | 80.2 | 83.3 | 83.9 | 84.5 | 84.6 | 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 |
| 17.0 | 68.9 | 75.7 | 79.7 | 82.5 | 83.8 | 84.3 | 84.2 | 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 | 85.1 |
| 18.0 | 71.7 | 79.7 | 82.7 | 85.6 | 86.7 | 87.4 | 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 | 88.2 | 88.2 |
| 19.0 | 72.1 | 82.1 | 83.2 | 84.1 | 87.2 | 87.2 | 88.3 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 20.0 | 72.9 | 82.1 | 83.7 | 84.6 | 87.6 | 88.5 | 89.0 | 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 | 89.2 | 89.2 |
| 21.0 | 73.3 | 81.3 | 84.8 | 87.8 | 88.9 | 89.6 | 90.2 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| 22.0 | 73.5 | 81.3 | 85.1 | 88.1 | 89.2 | 89.9 | 90.5 | 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 |
| 23.0 | 75.3 | 83.2 | 87.3 | 91.5 | 91.7 | 92.5 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| 24.0 | 75.4 | 85.1 | 88.7 | 91.9 | 93.3 | 93.8 | 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 |
| 25.0 | 77.6 | 86.4 | 90.2 | 92.3 | 94.3 | 95.4 | 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 |
| 26.0 | 77.8 | 86.9 | 91.6 | 93.9 | 95.3 | 95.9 | 96.3 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 27.0 | 78.3 | 87.4 | 91.2 | 94.5 | 95.7 | 96.6 | 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 | 97.5 |
| 28.0 | 78.4 | 87.5 | 91.3 | 94.6 | 95.8 | 96.7 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 29.0 | 78.4 | 88.3 | 91.2 | 95.1 | 96.4 | 97.4 | 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 |
| 30.0 | 79.2 | 88.4 | 92.3 | 95.6 | 96.7 | 97.2 | 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 |
| 31.0 | 79.4 | 88.7 | 92.6 | 96.0 | 97.3 | 98.3 | 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 | 99.3 |
| 32.0 | 79.4 | 88.7 | 92.7 | 96.1 | 97.4 | 98.4 | 99.1 | 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 |
| 33.0 | 79.5 | 88.8 | 92.8 | 96.2 | 97.5 | 98.6 | 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 | 99.6 |
| 34.0 | 79.5 | 88.8 | 92.8 | 96.2 | 97.6 | 98.6 | 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 | 99.7 | 99.7 |
| 35.0 | 79.6 | 88.9 | 92.8 | 96.2 | 97.6 | 98.6 | 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 | 99.7 | 99.7 |
| 36.0 | 79.6 | 88.9 | 92.8 | 96.3 | 97.6 | 98.6 | 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 | 99.7 | 99.7 |
| 37.0 | 79.6 | 88.9 | 92.8 | 96.3 | 97.7 | 98.8 | 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 | 99.8 | 99.8 |
| 38.0 | 79.6 | 88.9 | 92.8 | 96.3 | 97.7 | 98.8 | 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 | 99.8 | 99.8 |
| 39.0 | 79.6 | 88.9 | 92.8 | 96.3 | 97.7 | 98.8 | 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 | 99.8 | 99.8 |
| 40.0 | 79.6 | 88.9 | 92.8 | 96.3 | 97.7 | 98.8 | 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 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 7441

NO. 1 CLIMATOLOGY BRANCH
 AFSACTAC
 AIR WEATHER SERVICE/440

CEILING VERSUS VISIBILITY

1974-75 WYTHSVILLE AFB AR

73-32

54

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

100-1000

| CEILING | 1000 | 900 | 800 | 700 | 600 | 500 | 400 | 300 | 200 | 100 | 0 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1000 | 11.4 | 11.5 | 57.7 | 71.0 | 73.9 | 74.1 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| 900 | 11.2 | 68.7 | 74.5 | 77.7 | 81.5 | 82.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| 800 | 11.2 | 68.7 | 74.5 | 77.7 | 81.5 | 82.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| 700 | 11.2 | 67.1 | 74.7 | 75.0 | 80.8 | 81.0 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| 600 | 11.2 | 67.4 | 75.5 | 75.8 | 81.6 | 81.8 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| 500 | 22.7 | 71.8 | 80.3 | 83.5 | 86.3 | 86.7 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| 400 | 24.2 | 72.3 | 82.5 | 84.0 | 86.8 | 87.1 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 300 | 24.2 | 73.3 | 84.2 | 87.4 | 90.2 | 90.6 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| 200 | 24.2 | 75.3 | 84.1 | 87.5 | 91.3 | 90.9 | 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 |
| 100 | 24.2 | 75.5 | 84.4 | 87.8 | 91.0 | 91.5 | 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 |
| 0 | 24.2 | 75.5 | 84.4 | 87.8 | 91.0 | 91.5 | 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 |
| 1000 | 24.2 | 76.7 | 85.7 | 89.4 | 92.6 | 93.4 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| 900 | 24.4 | 77.7 | 86.7 | 91.4 | 93.7 | 94.7 | 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 |
| 800 | 24.5 | 77.1 | 87.2 | 92.3 | 95.6 | 96.7 | 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 |
| 700 | 24.5 | 77.1 | 87.2 | 92.3 | 95.6 | 96.7 | 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 |
| 600 | 24.7 | 77.8 | 88.5 | 92.9 | 96.2 | 97.3 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 500 | 24.7 | 78.0 | 88.7 | 93.1 | 96.5 | 97.6 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 400 | 24.7 | 81.0 | 89.7 | 93.1 | 96.6 | 97.6 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 300 | 24.8 | 81.1 | 89.7 | 93.4 | 96.9 | 98.0 | 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 |
| 200 | 24.8 | 80.1 | 89.2 | 93.5 | 97.1 | 98.4 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 100 | 24.7 | 80.1 | 89.2 | 93.5 | 97.1 | 98.4 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 0 | 24.7 | 80.1 | 89.2 | 93.5 | 97.2 | 98.5 | 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 |
| 1000 | 24.7 | 81.2 | 89.4 | 93.7 | 97.3 | 98.6 | 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 |
| 900 | 25.2 | 81.4 | 89.6 | 93.9 | 97.5 | 98.8 | 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 |
| 800 | 25.2 | 80.4 | 89.6 | 94.0 | 97.6 | 98.9 | 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 |
| 700 | 25.2 | 80.4 | 89.6 | 94.0 | 97.6 | 98.9 | 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 |
| 600 | 25.2 | 80.4 | 89.6 | 94.0 | 97.7 | 99.0 | 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 |
| 500 | 25.2 | 80.4 | 89.6 | 94.0 | 97.7 | 99.0 | 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 |
| 400 | 25.2 | 80.4 | 89.6 | 94.0 | 97.7 | 99.0 | 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 |
| 300 | 25.2 | 80.4 | 89.6 | 94.0 | 97.7 | 99.0 | 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 |
| 200 | 25.2 | 80.4 | 89.6 | 94.0 | 97.7 | 99.0 | 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 |
| 100 | 25.2 | 80.4 | 89.6 | 94.0 | 97.7 | 99.0 | 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 |
| 0 | 25.2 | 80.4 | 89.6 | 94.0 | 97.7 | 99.0 | 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 |

TOTAL NUMBER OF OBSERVATIONS 570

FEDERAL BUREAU OF SURVEY
 NATIONAL METEOROLOGICAL SERVICE
 WEATHER SERVICE UNIT

CEILING VERSUS VISIBILITY

1954-55 WASHINGTON AFB TX

72-22

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

FORM 100-1

| Visibility (ft) | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 42.4 | 53.7 | 54.8 | 53.7 | 58.5 | 69.4 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| 11.2 | 42.8 | 57.2 | 64.2 | 62.7 | 71.6 | 73.9 | 74.6 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| 11.7 | 43.6 | 57.7 | 64.0 | 69.7 | 71.6 | 73.9 | 74.6 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| 11.2 | 43.6 | 57.7 | 64.0 | 69.7 | 71.6 | 73.2 | 74.6 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| 11.7 | 43.6 | 58.1 | 64.3 | 70.0 | 71.9 | 74.3 | 75.1 | 75.9 | 75.5 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| 11.2 | 43.7 | 58.1 | 64.6 | 70.4 | 72.4 | 74.7 | 75.5 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| 11.1 | 51.2 | 60.7 | 69.5 | 70.5 | 77.4 | 79.9 | 80.6 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| 11.1 | 50.3 | 63.2 | 69.3 | 75.8 | 77.7 | 81.2 | 81.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| 14.1 | 63.9 | 67.0 | 73.9 | 80.1 | 82.3 | 84.8 | 85.7 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| 14.2 | 64.1 | 67.1 | 74.3 | 81.5 | 82.7 | 85.3 | 86.1 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| 14.7 | 64.4 | 67.5 | 74.3 | 81.1 | 83.2 | 85.0 | 86.7 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| 14.1 | 65.4 | 68.4 | 76.2 | 82.9 | 85.1 | 87.6 | 88.5 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| 14.1 | 65.5 | 69.0 | 76.3 | 83.1 | 85.3 | 87.8 | 88.7 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| 14.1 | 67.4 | 71.5 | 78.6 | 85.1 | 88.5 | 91.3 | 92.2 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| 14.3 | 67.5 | 71.5 | 79.2 | 86.7 | 89.1 | 91.9 | 92.9 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 14.4 | 68.5 | 72.6 | 80.4 | 87.8 | 91.3 | 93.1 | 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 |
| 14.4 | 69.1 | 73.3 | 81.2 | 89.7 | 91.2 | 94.0 | 94.8 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| 14.4 | 69.2 | 73.4 | 81.3 | 89.8 | 91.5 | 94.3 | 95.3 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| 14.4 | 69.2 | 73.4 | 81.3 | 89.8 | 91.6 | 94.6 | 95.6 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| 14.4 | 69.2 | 73.5 | 81.3 | 89.8 | 92.3 | 95.4 | 96.3 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 14.4 | 69.7 | 74.1 | 82.1 | 90.3 | 93.3 | 95.9 | 96.9 | 97.7 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 14.7 | 69.9 | 74.3 | 82.4 | 90.6 | 93.3 | 96.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 14.7 | 69.9 | 74.3 | 82.5 | 90.8 | 93.7 | 96.8 | 97.7 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| 14.7 | 69.9 | 74.4 | 82.4 | 91.1 | 94.0 | 97.2 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 14.7 | 69.9 | 74.5 | 82.8 | 91.1 | 94.0 | 97.2 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 14.7 | 69.9 | 74.4 | 82.1 | 91.4 | 94.3 | 97.5 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| 14.7 | 69.9 | 74.4 | 82.2 | 91.5 | 94.4 | 97.6 | 98.6 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 14.7 | 69.9 | 74.4 | 82.2 | 91.5 | 94.4 | 97.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 14.7 | 69.9 | 74.4 | 82.2 | 91.5 | 94.4 | 97.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 14.7 | 69.9 | 74.4 | 82.2 | 91.5 | 94.4 | 97.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 14.7 | 69.9 | 74.4 | 82.2 | 91.5 | 94.4 | 97.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 14.7 | 69.9 | 74.4 | 82.2 | 91.5 | 94.4 | 97.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 14.7 | 69.9 | 74.4 | 82.2 | 91.5 | 94.4 | 97.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 14.7 | 69.9 | 74.4 | 82.2 | 91.5 | 94.4 | 97.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 14.7 | 69.9 | 74.4 | 82.2 | 91.5 | 94.4 | 97.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 14.7 | 69.9 | 74.4 | 82.2 | 91.5 | 94.4 | 97.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 14.7 | 69.9 | 74.4 | 82.2 | 91.5 | 94.4 | 97.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 14.7 | 69.9 | 74.4 | 82.2 | 91.5 | 94.4 | 97.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 14.7 | 69.9 | 74.4 | 82.2 | 91.5 | 94.4 | 97.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 14.7 | 69.9 | 74.4 | 82.2 | 91.5 | 94.4 | 97.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 14.7 | 69.9 | 74.4 | 82.2 | 91.5 | 94.4 | 97.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 14.7 | 69.9 | 74.4 | 82.2 | 91.5 | 94.4 | 97.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 14.7 | 69.9 | 74.4 | 82.2 | 91.5 | 94.4 | 97.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |

TOTAL NUMBER OF OBSERVATIONS 72

JUNIOR CLIMATOLOGY BRANCH
 DIRECTOR
 AIR WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

STATION: PLYMOUTH AFB ALA

DATE: 7-2-64

TIME: 0000

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1952-1960

USDA FORM 12-54

| CEILING | 25 | 30 | 34 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | 1000 | 10000 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 2.0 | 23.0 | 34.7 | 41.4 | 52.6 | 55.7 | 59.4 | 67.3 | 67.7 | 62.5 | 62.0 | 62.6 | 67.8 | 67.8 | 62.0 | 67.9 | 61.3 | | |
| 2.1 | 25.7 | 37.2 | 45.7 | 52.2 | 51.7 | 55.2 | 66.7 | 69.4 | 69.6 | 69.5 | 63.2 | 69.5 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| 2.2 | 25.0 | 39.2 | 46.0 | 52.5 | 52.3 | 56.2 | 69.2 | 69.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| 2.3 | 25.3 | 33.2 | 46.0 | 53.5 | 52.3 | 56.2 | 69.2 | 69.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| 2.4 | 26.3 | 31.7 | 44.7 | 52.4 | 53.1 | 57.1 | 70.1 | 70.5 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| 2.5 | 26.6 | 38.9 | 45.9 | 59.5 | 53.3 | 57.3 | 70.1 | 70.1 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 |
| 2.6 | 27.4 | 42.5 | 51.1 | 54.7 | 53.7 | 72.9 | 75.9 | 76.7 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 2.7 | 21.9 | 43.4 | 51.3 | 65.6 | 57.7 | 73.9 | 76.9 | 77.7 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 2.8 | 33.3 | 47.4 | 56.1 | 70.2 | 74.4 | 79.7 | 82.2 | 82.4 | 82.9 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| 2.9 | 33.4 | 47.5 | 56.2 | 71.1 | 75.4 | 79.7 | 83.1 | 83.5 | 83.5 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| 3.0 | 33.8 | 43.3 | 57.3 | 71.5 | 76.3 | 80.3 | 83.3 | 84.2 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| 3.1 | 34.6 | 42.4 | 58.4 | 72.9 | 77.4 | 81.7 | 85.2 | 85.6 | 85.9 | 86.0 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| 3.2 | 34.1 | 49.6 | 58.6 | 73.2 | 77.7 | 82.0 | 85.6 | 86.0 | 86.3 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| 3.3 | 38.3 | 51.7 | 61.0 | 75.9 | 80.9 | 85.1 | 88.6 | 89.7 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| 3.4 | 36.8 | 52.2 | 61.7 | 76.8 | 81.3 | 85.1 | 89.7 | 90.1 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| 3.5 | 36.8 | 52.4 | 62.2 | 77.6 | 82.7 | 87.0 | 90.9 | 91.1 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| 3.6 | 36.7 | 52.5 | 62.3 | 77.7 | 82.9 | 87.4 | 91.1 | 91.5 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| 3.7 | 37.0 | 52.6 | 62.4 | 78.0 | 83.1 | 87.7 | 91.4 | 91.5 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| 3.8 | 37.3 | 53.7 | 62.6 | 78.5 | 83.3 | 88.4 | 92.0 | 92.5 | 92.9 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 3.9 | 37.4 | 53.7 | 63.0 | 79.0 | 84.3 | 89.9 | 92.5 | 93.2 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| 4.0 | 37.8 | 53.9 | 63.7 | 79.7 | 85.1 | 89.7 | 93.5 | 94.0 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| 4.1 | 31.3 | 54.4 | 64.3 | 81.4 | 85.8 | 90.4 | 94.3 | 94.7 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| 4.2 | 31.6 | 54.7 | 64.9 | 81.3 | 86.7 | 91.4 | 95.3 | 95.7 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| 4.3 | 31.7 | 55.0 | 65.2 | 81.5 | 86.9 | 91.6 | 95.5 | 95.9 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| 4.4 | 31.0 | 55.7 | 65.6 | 82.3 | 87.6 | 92.5 | 96.5 | 96.9 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 4.5 | 31.1 | 56.3 | 66.3 | 82.0 | 88.7 | 93.5 | 97.7 | 98.2 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 4.6 | 31.1 | 56.5 | 66.5 | 83.1 | 88.8 | 93.7 | 97.8 | 98.3 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| 4.7 | 31.1 | 56.7 | 66.5 | 83.1 | 88.8 | 93.8 | 98.0 | 98.4 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 4.8 | 31.1 | 56.8 | 66.5 | 83.1 | 88.8 | 93.8 | 98.1 | 98.5 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 4.9 | 31.1 | 56.8 | 66.5 | 83.1 | 88.8 | 93.8 | 98.1 | 98.5 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 5.0 | 31.1 | 56.8 | 66.5 | 83.1 | 88.8 | 93.8 | 98.1 | 98.5 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS 777

ANNUAL CLIMATOLOGY BRANCH
METEC
METEOROLOGICAL SERVICE/AC

CEILING VERSUS VISIBILITY

STATION: PLYMOUTH, AFB, AL

PERIOD: 1951

FORM: 1100

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

FORM-1100

| CEILING | > 1000 | 1000 | 800 | 600 | 400 | 300 | 200 | 100 | < 100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|---------|--------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|------|------|------|------|
| 42.0 | 51.0 | 57.5 | 61.1 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| 45.0 | 52.0 | 55.0 | 59.1 | 59.3 | 59.6 | 59.8 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| 48.0 | 53.0 | 55.0 | 59.5 | 59.8 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| 51.0 | 53.2 | 55.0 | 59.5 | 59.8 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| 54.0 | 59.0 | 59.0 | 66.7 | 70.3 | 70.6 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| 57.0 | 61.2 | 65.2 | 71.8 | 72.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| 60.0 | 66.1 | 73.3 | 77.0 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| 63.0 | 66.0 | 74.0 | 77.6 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| 66.0 | 77.4 | 77.7 | 81.6 | 81.9 | 82.0 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| 69.0 | 71.3 | 78.6 | 82.5 | 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 | 83.0 | 83.0 |
| 72.0 | 71.8 | 79.4 | 83.2 | 83.7 | 83.8 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| 75.0 | 71.9 | 79.7 | 83.7 | 84.1 | 84.2 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| 78.0 | 74.3 | 82.0 | 86.0 | 86.5 | 86.6 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| 81.0 | 75.5 | 83.4 | 87.4 | 87.8 | 88.0 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 84.0 | 77.1 | 85.1 | 89.2 | 89.7 | 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 |
| 87.0 | 77.4 | 85.4 | 89.7 | 90.2 | 90.5 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| 90.0 | 78.5 | 86.6 | 91.1 | 91.6 | 91.9 | 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 |
| 93.0 | 79.7 | 86.9 | 91.4 | 91.9 | 92.3 | 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 |
| 96.0 | 79.6 | 88.1 | 92.7 | 93.2 | 93.5 | 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 | 94.2 |
| 99.0 | 80.8 | 89.0 | 93.9 | 94.4 | 94.7 | 95.1 | 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 |
| 100.0 | 81.4 | 90.2 | 95.1 | 95.6 | 95.9 | 96.2 | 96.5 | 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 |
| 100.0 | 82.0 | 91.3 | 96.2 | 96.8 | 97.1 | 97.4 | 97.6 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 100.0 | 82.7 | 91.9 | 97.0 | 98.0 | 98.3 | 98.6 | 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 |
| 100.0 | 82.7 | 91.9 | 97.1 | 98.4 | 98.7 | 99.1 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 100.0 | 82.7 | 91.9 | 97.1 | 98.4 | 98.7 | 99.4 | 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 |
| 100.0 | 82.7 | 91.9 | 97.1 | 98.4 | 98.7 | 99.4 | 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 |
| 100.0 | 82.7 | 91.9 | 97.1 | 98.4 | 98.7 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 100.0 | 82.7 | 91.9 | 97.1 | 98.4 | 98.7 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 100.0 | 82.7 | 91.9 | 97.1 | 98.4 | 98.7 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 100.0 | 82.7 | 91.9 | 97.1 | 98.4 | 98.7 | 99.4 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 23

FEDERAL CLIMATOLOGY BRANCH
WETAC
AIR WEATHER SERVICE/440

CEILING VERSUS VISIBILITY

7294 ELYTHEVILLE AFB A

72-50

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

12-1-140

| CEILING | 20 | 21 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1000 | 51.3 | 57.5 | 65.4 | 68.8 | 69.0 | 67.8 | 60.8 | 60.7 | 60.8 | 60.7 | 60.8 | 60.7 | 60.8 | 60.7 | 60.8 | 60.7 | 60.8 | 60.7 | 60.8 |
| 900 | 51.3 | 61.0 | 68.7 | 71.5 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| 800 | 61.0 | 68.7 | 71.5 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| 700 | 61.7 | 69.7 | 71.3 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| 600 | 62.4 | 62.7 | 73.2 | 73.7 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| 500 | 64.0 | 74.2 | 74.2 | 76.3 | 76.3 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| 400 | 67.8 | 75.7 | 79.1 | 79.7 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| 300 | 71.1 | 79.1 | 82.5 | 83.1 | 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 |
| 200 | 71.5 | 72.7 | 83.2 | 83.7 | 83.7 | 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 |
| 100 | 71.5 | 72.7 | 83.2 | 83.7 | 83.7 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| 0 | 72.4 | 80.7 | 84.1 | 84.7 | 84.6 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 1000 | 74.3 | 83.7 | 87.0 | 87.7 | 87.6 | 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 | 88.3 |
| 900 | 76.2 | 85.7 | 89.5 | 90.2 | 90.3 | 90.6 | 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 |
| 800 | 77.3 | 87.7 | 91.7 | 92.5 | 92.6 | 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 |
| 700 | 79.6 | 89.1 | 93.1 | 93.9 | 94.1 | 94.3 | 94.3 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| 600 | 80.4 | 90.0 | 94.1 | 95.1 | 95.3 | 95.6 | 95.6 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 500 | 80.4 | 90.0 | 94.1 | 95.1 | 95.3 | 95.6 | 95.6 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 400 | 81.1 | 91.2 | 95.2 | 96.1 | 96.3 | 96.7 | 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 |
| 300 | 82.4 | 92.0 | 96.2 | 97.6 | 97.8 | 98.2 | 98.2 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 200 | 82.6 | 92.3 | 96.7 | 98.3 | 98.5 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 100 | 82.6 | 92.3 | 96.7 | 98.3 | 98.5 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 0 | 82.6 | 92.3 | 96.7 | 98.3 | 98.5 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 1000 | 82.6 | 92.3 | 96.7 | 98.3 | 98.5 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 900 | 82.6 | 92.3 | 96.7 | 98.3 | 98.5 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 800 | 82.6 | 92.3 | 96.7 | 98.3 | 98.5 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 700 | 82.6 | 92.3 | 96.7 | 98.3 | 98.5 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 600 | 82.6 | 92.3 | 96.7 | 98.3 | 98.5 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 500 | 82.6 | 92.3 | 96.7 | 98.3 | 98.5 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 400 | 82.6 | 92.3 | 96.7 | 98.3 | 98.5 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 300 | 82.6 | 92.3 | 96.7 | 98.3 | 98.5 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 200 | 82.6 | 92.3 | 96.7 | 98.3 | 98.5 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 100 | 82.6 | 92.3 | 96.7 | 98.3 | 98.5 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 0 | 82.6 | 92.3 | 96.7 | 98.3 | 98.5 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |

TOTAL NUMBER OF OBSERVATIONS 132

CEILING VERSUS VISIBILITY

25-2 WLYNEVILLE AFB A

73-60

4.

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

11-2-1700

VISIBILITY STATISTICS

| CEILING | 0 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 13.0 | 5.5 | 61.8 | 84.0 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 13.4 | 5.5 | 72.3 | 75.3 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| 13.8 | 55.9 | 73.3 | 75.8 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| 13.2 | 60.3 | 73.3 | 76.1 | 77.0 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| 13.1 | 66.9 | 73.9 | 76.8 | 77.5 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 13.5 | 68.3 | 75.1 | 78.3 | 72.1 | 77.1 | 79.4 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| 13.2 | 73.4 | 81.1 | 84.2 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 13.3 | 73.7 | 81.2 | 84.4 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 13.1 | 77.4 | 84.9 | 86.2 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| 13.3 | 77.8 | 85.4 | 86.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| 13.3 | 78.2 | 85.7 | 87.3 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| 13.1 | 78.5 | 85.1 | 82.5 | 91.5 | 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 | 92.6 |
| 13.3 | 78.5 | 85.1 | 82.5 | 91.5 | 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 | 92.6 |
| 13.1 | 80.1 | 88.3 | 91.4 | 92.2 | 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 | 93.3 | 93.3 |
| 13.6 | 81.5 | 89.1 | 92.3 | 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 | 94.5 |
| 13.1 | 81.8 | 92.3 | 94.7 | 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 | 95.5 | 95.5 | 95.5 |
| 13.1 | 82.2 | 91.1 | 93.4 | 97.7 | 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 |
| 13.1 | 82.3 | 91.2 | 95.7 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| 13.1 | 82.4 | 91.3 | 95.8 | 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 | 97.6 | 97.6 | 97.6 |
| 13.1 | 82.6 | 91.4 | 96.2 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 13.1 | 83.2 | 92.2 | 96.7 | 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 | 98.6 | 98.6 |
| 13.1 | 83.2 | 92.2 | 96.7 | 98.6 | 98.8 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 13.1 | 83.3 | 92.3 | 96.3 | 98.7 | 98.9 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 13.1 | 83.4 | 92.3 | 96.3 | 98.7 | 98.9 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 13.1 | 83.4 | 92.3 | 97.2 | 99.1 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 13.1 | 83.4 | 92.3 | 97.2 | 99.1 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 13.1 | 83.4 | 92.3 | 97.2 | 99.1 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 13.1 | 83.4 | 92.3 | 97.2 | 99.1 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 13.1 | 83.4 | 92.3 | 97.2 | 99.1 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 13.1 | 83.4 | 92.3 | 97.2 | 99.1 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

WYOMING LITTLE ROCK AFB AR

73-82

34

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

12/10/82

USAF STATION

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 10.0 | 50.0 | 60.4 | 58.9 | 67.6 | 67.7 | 67.9 | 67.8 | 67.3 | 67.0 | 67.2 | 67.3 | 67.0 | 67.0 | 67.0 |
| 10.0 | 67.3 | 77.0 | 77.0 | 78.7 | 77.3 | 79.2 | 79.2 | 72.9 | 79.9 | 78.9 | 72.9 | 79.2 | 79.2 | 79.2 |
| 1.0 | 67.3 | 74.1 | 78.0 | 80.0 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| 10.0 | 67.3 | 74.1 | 78.0 | 80.0 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| 10.0 | 69.3 | 78.1 | 79.0 | 81.1 | 81.2 | 81.3 | 81.3 | 81.3 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| 10.0 | 69.4 | 76.2 | 80.4 | 82.5 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| 10.0 | 73.0 | 80.0 | 84.3 | 86.7 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| 10.0 | 73.3 | 81.1 | 85.3 | 87.4 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| 10.0 | 77.0 | 84.0 | 89.0 | 91.3 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| 10.0 | 77.2 | 85.1 | 89.4 | 91.8 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| 10.0 | 77.6 | 85.5 | 89.9 | 92.5 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 10.0 | 77.8 | 85.7 | 90.1 | 92.8 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| 10.0 | 77.8 | 85.7 | 90.1 | 92.8 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| 10.0 | 77.5 | 87.2 | 92.5 | 95.2 | 95.0 | 95.8 | 96.1 | 96.7 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| 10.0 | 78.7 | 88.7 | 92.9 | 95.7 | 96.0 | 96.2 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 10.0 | 80.3 | 89.0 | 94.1 | 96.9 | 97.2 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 10.0 | 80.5 | 89.2 | 94.3 | 97.1 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 10.0 | 80.9 | 89.7 | 94.7 | 97.6 | 98.1 | 98.3 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 10.0 | 81.0 | 89.7 | 94.9 | 97.8 | 98.3 | 98.5 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| 10.0 | 81.2 | 90.1 | 95.2 | 98.2 | 98.9 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 10.0 | 81.2 | 90.1 | 95.2 | 98.2 | 98.9 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 10.0 | 81.4 | 90.3 | 95.4 | 98.4 | 99.1 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 10.0 | 81.4 | 90.3 | 95.4 | 98.4 | 99.1 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 10.0 | 81.4 | 90.3 | 95.4 | 98.4 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 10.0 | 81.4 | 90.3 | 95.4 | 98.4 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 10.0 | 81.4 | 90.3 | 95.4 | 98.4 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 10.0 | 81.4 | 90.3 | 95.4 | 98.4 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 10.0 | 81.4 | 90.3 | 95.4 | 98.4 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 10.0 | 81.4 | 90.3 | 95.4 | 98.4 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 10.0 | 81.4 | 90.3 | 95.4 | 98.4 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 10.0 | 81.4 | 90.3 | 95.4 | 98.4 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 34

LOCAL METEOROLOGICAL STATION
 NAME
 DATE

CEILING VERSUS VISIBILITY

STATION OLYMPIA WILCOX AFB WA

PERIOD 1954

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| CEILING | 1000 | 900 | 800 | 700 | 600 | 500 | 400 | 300 | 200 | 100 | 0 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 11.0 | 41.7 | 57.7 | 61.9 | 67.2 | 65.9 | 66.7 | 57.2 | 67.7 | 67.7 | 67.3 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| 12.2 | 50.3 | 65.1 | 69.7 | 73.5 | 74.2 | 75.2 | 71.2 | 75.5 | 71.2 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| 13.0 | 55.8 | 65.7 | 69.9 | 73.7 | 74.5 | 75.4 | 75.8 | 75.5 | 76.7 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| 14.1 | 56.2 | 65.3 | 69.2 | 73.8 | 74.5 | 75.4 | 75.9 | 75.1 | 76.1 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 15.1 | 57.1 | 65.5 | 70.6 | 74.4 | 75.2 | 76.1 | 76.5 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 16.1 | 57.6 | 66.7 | 71.5 | 75.4 | 76.2 | 77.1 | 77.5 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| 17.2 | 62.1 | 71.5 | 76.4 | 81.4 | 81.3 | 82.2 | 82.7 | 82.9 | 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 |
| 18.3 | 62.5 | 72.1 | 76.9 | 81.9 | 81.8 | 82.7 | 83.2 | 83.3 | 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 |
| 19.3 | 65.8 | 75.4 | 80.4 | 84.6 | 85.5 | 86.5 | 87.0 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| 20.3 | 65.2 | 75.7 | 80.8 | 85.0 | 86.0 | 87.0 | 87.5 | 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 |
| 21.3 | 65.7 | 76.2 | 81.1 | 85.5 | 86.5 | 87.5 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 22.3 | 65.8 | 75.6 | 81.5 | 86.3 | 87.3 | 88.3 | 88.9 | 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 | 89.1 |
| 23.5 | 66.7 | 76.9 | 81.9 | 86.5 | 87.5 | 88.5 | 89.1 | 89.2 | 89.3 | 89.7 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| 24.5 | 65.4 | 73.9 | 84.2 | 89.0 | 89.1 | 91.2 | 91.0 | 91.0 | 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 |
| 25.8 | 68.2 | 79.7 | 85.2 | 90.0 | 91.3 | 92.3 | 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 | 93.2 | 93.2 |
| 26.7 | 70.1 | 81.7 | 86.8 | 91.5 | 92.5 | 94.0 | 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 |
| 28.7 | 71.7 | 81.4 | 87.2 | 92.7 | 93.4 | 94.5 | 95.2 | 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 |
| 29.7 | 71.1 | 82.1 | 87.6 | 92.9 | 94.1 | 95.3 | 96.2 | 96.1 | 96.2 | 96.7 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| 30.7 | 71.2 | 82.1 | 88.0 | 93.1 | 94.4 | 95.5 | 96.2 | 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 |
| 31.7 | 71.5 | 82.4 | 88.3 | 93.6 | 94.9 | 96.1 | 96.3 | 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 |
| 32.1 | 71.9 | 82.9 | 88.9 | 94.2 | 95.6 | 96.9 | 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 |
| 33.1 | 72.1 | 83.2 | 89.2 | 94.6 | 96.1 | 97.3 | 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 | 98.4 | 98.4 |
| 34.1 | 72.2 | 83.4 | 89.5 | 94.9 | 96.4 | 97.7 | 98.4 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 35.1 | 72.3 | 83.4 | 89.6 | 95.1 | 96.5 | 97.8 | 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 |
| 36.2 | 72.4 | 83.7 | 89.8 | 95.3 | 96.9 | 98.2 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 37.2 | 72.5 | 83.8 | 90.0 | 95.5 | 97.2 | 98.5 | 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 |
| 38.2 | 72.5 | 83.8 | 90.0 | 95.5 | 97.2 | 98.5 | 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 |
| 39.2 | 72.5 | 83.8 | 90.0 | 95.5 | 97.2 | 98.5 | 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 |
| 40.2 | 72.5 | 83.8 | 90.0 | 95.5 | 97.2 | 98.5 | 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 |
| 41.2 | 72.5 | 83.8 | 90.0 | 95.5 | 97.2 | 98.5 | 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 |
| 42.2 | 72.5 | 83.8 | 90.0 | 95.5 | 97.2 | 98.5 | 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 |
| 43.2 | 72.5 | 83.8 | 90.0 | 95.5 | 97.2 | 98.5 | 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 |
| 44.2 | 72.5 | 83.8 | 90.0 | 95.5 | 97.2 | 98.5 | 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 |
| 45.2 | 72.5 | 83.8 | 90.0 | 95.5 | 97.2 | 98.5 | 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 |
| 46.2 | 72.5 | 83.8 | 90.0 | 95.5 | 97.2 | 98.5 | 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 |
| 47.2 | 72.5 | 83.8 | 90.0 | 95.5 | 97.2 | 98.5 | 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 |
| 48.2 | 72.5 | 83.8 | 90.0 | 95.5 | 97.2 | 98.5 | 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 |
| 49.2 | 72.5 | 83.8 | 90.0 | 95.5 | 97.2 | 98.5 | 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 |
| 50.2 | 72.5 | 83.8 | 90.0 | 95.5 | 97.2 | 98.5 | 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 |

TOTAL NUMBER OF OBSERVATIONS 744

FEDERAL CLIMATOLOGY BRANCH
 WPCETAC
 AIRCRAFT SERVICE/MAC

CEILING VERSUS VISIBILITY

1236 100 POLYTHEVILLE AFB A

73-20

100

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

100-1001

| CEILING | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|-----|
| 10 | 14.1 | 45.4 | 52.7 | 55.4 | 52.7 | 51.2 | 63.4 | 64.7 | 64.9 | 65.2 | 65.7 | 65.2 | 65.3 | 65.7 | 65.7 | 66.1 | | | |
| 15 | 14.1 | 44.4 | 55.4 | 52.1 | 62.1 | 63.4 | 66.3 | 66.1 | 66.2 | 66.5 | 66.1 | 66.2 | 66.7 | 66.2 | 66.1 | 67.4 | | | |
| 20 | 14.1 | 44.4 | 55.4 | 52.1 | 62.1 | 63.4 | 66.3 | 66.3 | 67.2 | 66.5 | 66.6 | 66.8 | 67.7 | 66.2 | 66.1 | 67.4 | | | |
| 25 | 14.1 | 44.4 | 55.4 | 52.1 | 62.1 | 63.4 | 66.3 | 66.3 | 67.2 | 66.5 | 66.6 | 66.8 | 67.7 | 66.2 | 66.1 | 67.4 | | | |
| 30 | 14.1 | 44.4 | 55.4 | 52.1 | 62.1 | 63.4 | 66.3 | 66.3 | 67.2 | 66.5 | 66.6 | 66.8 | 67.7 | 66.2 | 66.1 | 67.4 | | | |
| 35 | 14.4 | 44.3 | 55.4 | 52.1 | 62.4 | 64.3 | 63.4 | 69.7 | 69.7 | 70.2 | 70.2 | 71.2 | 70.3 | 70.7 | 70.5 | 71.1 | | | |
| 40 | 14.1 | 41.1 | 55.1 | 52.3 | 62.2 | 62.4 | 67.8 | 71.4 | 72.6 | 72.9 | 73.1 | 73.1 | 73.2 | 73.7 | 73.7 | 74.2 | | | |
| 45 | 14.1 | 41.1 | 55.1 | 52.3 | 62.2 | 62.4 | 67.8 | 71.4 | 72.6 | 72.9 | 73.1 | 73.1 | 73.2 | 73.7 | 73.7 | 74.2 | | | |
| 50 | 14.7 | 54.3 | 63.7 | 66.7 | 71.1 | 72.4 | 76.3 | 77.3 | 78.3 | 78.3 | 78.7 | 78.3 | 78.4 | 78.3 | 78.4 | 78.9 | 79.2 | | |
| 55 | 14.2 | 55.1 | 64.4 | 67.4 | 72.2 | 73.7 | 77.6 | 79.2 | 79.4 | 79.8 | 79.8 | 79.8 | 79.8 | 79.9 | 80.2 | 80.7 | 81.7 | | |
| 60 | 14.3 | 55.3 | 64.4 | 67.9 | 73.1 | 74.6 | 74.9 | 80.9 | 81.1 | 81.6 | 81.6 | 81.6 | 81.7 | 82.0 | 82.1 | 82.1 | 82.4 | | |
| 65 | 14.7 | 59.2 | 68.9 | 69.1 | 74.3 | 75.3 | 80.3 | 82.1 | 82.8 | 83.0 | 83.0 | 83.0 | 83.1 | 83.1 | 83.4 | 83.5 | 83.9 | | |
| 70 | 14.3 | 57.4 | 67.7 | 71.7 | 76.3 | 77.6 | 82.3 | 84.3 | 84.6 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.4 | 85.4 | 85.9 | | |
| 75 | 14.9 | 58.6 | 68.4 | 72.2 | 73.1 | 77.7 | 84.3 | 86.4 | 86.7 | 87.1 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.7 | 88.0 | | |
| 80 | 14.6 | 55.9 | 69.5 | 72.9 | 73.9 | 80.4 | 85.1 | 87.2 | 87.4 | 87.9 | 87.9 | 87.9 | 87.9 | 88.1 | 88.4 | 88.4 | 88.9 | | |
| 85 | 14.3 | 59.4 | 69.2 | 73.3 | 73.7 | 81.3 | 86.0 | 88.2 | 88.4 | 88.9 | 88.9 | 88.9 | 89.0 | 89.0 | 89.2 | 89.4 | 89.4 | | |
| 90 | 14.2 | 59.9 | 71.7 | 74.3 | 80.8 | 82.4 | 87.2 | 89.4 | 89.7 | 90.1 | 90.1 | 90.1 | 90.2 | 90.3 | 90.3 | 90.7 | 91.0 | | |
| 95 | 14.3 | 60.2 | 71.4 | 75.6 | 82.1 | 83.8 | 88.7 | 91.2 | 91.4 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.4 | 92.4 | | |
| 100 | 14.3 | 60.4 | 71.7 | 75.8 | 82.3 | 84.0 | 88.9 | 91.4 | 91.7 | 92.1 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.7 | 93.0 | | |
| 105 | 14.4 | 61.4 | 72.4 | 77.1 | 83.8 | 85.4 | 90.4 | 93.1 | 93.3 | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 | 94.2 | 94.3 | 94.7 | | |
| 110 | 14.7 | 61.9 | 73.4 | 77.7 | 84.3 | 86.0 | 91.0 | 93.7 | 93.9 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.9 | 95.0 | | |
| 115 | 14.7 | 62.1 | 73.9 | 78.1 | 84.8 | 86.4 | 91.4 | 94.1 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.9 | 95.0 | 95.3 | | |
| 120 | 14.7 | 62.2 | 73.7 | 78.3 | 85.0 | 86.7 | 91.8 | 94.3 | 95.1 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.6 | 95.7 | 95.7 | | |
| 125 | 14.7 | 62.2 | 73.7 | 78.4 | 85.1 | 86.9 | 92.0 | 95.1 | 95.0 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 96.1 | 96.2 | 96.6 | | |
| 130 | 14.7 | 62.2 | 73.7 | 78.4 | 85.1 | 87.1 | 92.3 | 95.3 | 95.6 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.4 | 96.6 | | |
| 135 | 14.9 | 62.3 | 74.6 | 79.1 | 85.8 | 87.5 | 92.2 | 96.2 | 96.4 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.3 | 97.4 | | |
| 140 | 14.9 | 62.3 | 74.8 | 79.1 | 85.9 | 88.1 | 93.8 | 96.3 | 97.0 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 98.0 | 98.0 | | |
| 145 | 14.9 | 62.3 | 74.8 | 79.1 | 85.9 | 88.1 | 94.0 | 97.1 | 97.7 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | | |
| 150 | 14.9 | 62.3 | 74.7 | 79.2 | 85.0 | 88.2 | 94.3 | 97.6 | 97.8 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 99.1 | 99.4 | | |
| 155 | 14.9 | 62.3 | 74.7 | 79.2 | 85.0 | 88.2 | 94.3 | 97.8 | 98.0 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.1 | 99.4 | | |
| 160 | 14.9 | 62.3 | 74.7 | 79.2 | 85.0 | 88.2 | 94.3 | 97.8 | 98.0 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.1 | 99.4 | | |

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

WILLYMETHEVILLE AFB, MO

73-52

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1950-1951

| CEILING | 25 | 31 | 34 | 40 | 47 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
| 1.1 | 21.2 | 31.4 | 36.8 | 44.7 | 48.4 | 49.9 | 54.3 | 54.7 | 58.2 | 58.6 | 58.7 | 58.4 | 57.7 | 57.7 | 57.6 | |
| 2.4 | 27.4 | 34.4 | 40.3 | 47.6 | 50.1 | 53.2 | 58.2 | 59.7 | 61.2 | 62.1 | 60.1 | 62.7 | 62.2 | 62.9 | 63.1 | |
| 3.4 | 27.4 | 34.4 | 40.3 | 47.6 | 50.1 | 53.2 | 58.2 | 59.7 | 61.1 | 62.7 | 62.2 | 62.9 | 63.0 | 63.0 | 63.0 | |
| 4.4 | 27.4 | 34.4 | 40.3 | 47.6 | 50.1 | 53.2 | 58.2 | 59.7 | 61.3 | 63.4 | 62.4 | 63.7 | 63.7 | 63.7 | 63.4 | |
| 5.4 | 27.4 | 35.4 | 41.2 | 48.1 | 51.7 | 55.8 | 60.4 | 61.3 | 63.9 | 64.1 | 64.1 | 64.7 | 64.7 | 64.9 | 65.1 | |
| 6.4 | 32.7 | 41.2 | 47.3 | 55.2 | 58.4 | 62.9 | 68.1 | 69.1 | 71.2 | 71.2 | 71.8 | 72.3 | 72.2 | 72.2 | 72.4 | |
| 7.4 | 32.7 | 43.4 | 48.9 | 56.6 | 61.4 | 66.2 | 71.8 | 73.7 | 74.6 | 75.9 | 75.8 | 76.3 | 76.1 | 76.6 | 76.6 | |
| 8.4 | 35.4 | 44.4 | 50.4 | 58.3 | 62.3 | 66.2 | 71.1 | 74.1 | 75.1 | 77.2 | 77.2 | 77.9 | 78.1 | 78.1 | 78.1 | |
| 9.4 | 36.3 | 44.9 | 51.3 | 59.4 | 63.6 | 68.2 | 74.4 | 75.4 | 77.4 | 78.7 | 78.7 | 79.2 | 79.4 | 79.6 | 79.7 | |
| 10.4 | 36.8 | 45.8 | 52.1 | 61.3 | 64.7 | 69.3 | 75.4 | 76.9 | 79.1 | 80.3 | 80.3 | 80.9 | 81.1 | 81.2 | 81.4 | |
| 11.4 | 37.3 | 46.7 | 52.8 | 62.7 | 65.6 | 70.2 | 76.8 | 77.8 | 80.0 | 81.2 | 81.2 | 81.8 | 81.9 | 82.1 | 82.2 | |
| 12.4 | 37.3 | 47.4 | 54.2 | 63.8 | 67.4 | 72.6 | 79.4 | 80.6 | 82.8 | 84.2 | 84.2 | 84.8 | 84.8 | 84.9 | 85.1 | |
| 13.4 | 37.7 | 47.9 | 54.8 | 64.3 | 68.1 | 73.2 | 80.2 | 81.3 | 83.6 | 84.9 | 84.9 | 85.3 | 85.3 | 85.7 | 85.7 | |
| 14.4 | 37.9 | 48.1 | 55.1 | 64.8 | 68.7 | 73.9 | 80.3 | 81.9 | 84.1 | 85.3 | 85.3 | 85.9 | 85.1 | 85.2 | 85.4 | |
| 15.4 | 38.1 | 48.7 | 55.2 | 65.0 | 69.2 | 74.4 | 81.3 | 82.4 | 84.7 | 85.7 | 85.7 | 86.3 | 86.3 | 86.3 | 86.3 | |
| 16.4 | 38.1 | 48.6 | 55.2 | 65.3 | 70.2 | 75.1 | 81.3 | 84.4 | 84.7 | 88.2 | 88.2 | 88.8 | 88.8 | 88.9 | 89.1 | |
| 17.4 | 38.3 | 48.8 | 55.3 | 65.8 | 71.3 | 76.7 | 82.9 | 85.7 | 87.2 | 88.6 | 88.6 | 89.1 | 89.1 | 89.4 | 89.7 | |
| 18.4 | 38.3 | 49.3 | 57.2 | 65.1 | 72.2 | 77.4 | 83.9 | 87.0 | 89.2 | 90.6 | 90.6 | 90.4 | 91.1 | 91.1 | 91.4 | |
| 19.4 | 38.1 | 51.2 | 57.9 | 66.8 | 73.3 | 79.2 | 86.8 | 87.9 | 90.1 | 91.4 | 91.4 | 92.0 | 92.0 | 92.1 | 92.1 | |
| 20.4 | 38.2 | 51.3 | 58.6 | 67.6 | 74.2 | 80.2 | 88.4 | 89.1 | 91.3 | 92.7 | 92.7 | 93.2 | 93.4 | 93.5 | 93.5 | |
| 21.4 | 38.7 | 51.9 | 58.9 | 69.9 | 74.6 | 80.9 | 88.3 | 89.6 | 92.1 | 93.4 | 93.4 | 94.0 | 94.0 | 94.1 | 94.1 | |
| 22.4 | 38.7 | 51.9 | 59.9 | 72.0 | 74.7 | 81.2 | 89.1 | 90.3 | 92.7 | 94.1 | 94.1 | 94.6 | 94.6 | 94.7 | 94.7 | |
| 23.4 | 38.7 | 51.7 | 59.1 | 71.4 | 75.2 | 81.9 | 89.8 | 91.1 | 93.5 | 94.7 | 94.7 | 95.4 | 95.7 | 95.7 | 95.7 | |
| 24.4 | 38.7 | 51.2 | 59.1 | 71.9 | 75.7 | 82.4 | 89.4 | 91.6 | 94.2 | 95.7 | 95.7 | 96.2 | 96.4 | 96.4 | 96.4 | |
| 25.4 | 38.3 | 51.3 | 59.2 | 71.0 | 75.6 | 82.9 | 89.9 | 92.2 | 94.9 | 96.6 | 96.6 | 97.2 | 97.2 | 97.6 | 97.6 | |
| 26.4 | 38.3 | 51.3 | 59.3 | 71.2 | 75.1 | 83.2 | 91.4 | 92.2 | 95.6 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.6 | |
| 27.4 | 38.3 | 51.3 | 59.3 | 71.2 | 76.1 | 83.2 | 91.6 | 91.2 | 95.9 | 97.6 | 97.6 | 98.2 | 98.6 | 98.7 | 98.7 | |
| 28.4 | 38.3 | 51.3 | 59.3 | 71.2 | 76.1 | 83.2 | 91.6 | 93.2 | 95.9 | 97.7 | 97.7 | 98.4 | 98.2 | 98.9 | 99.0 | |
| 29.4 | 38.3 | 51.3 | 59.3 | 71.2 | 76.1 | 83.3 | 91.7 | 93.7 | 96.0 | 97.9 | 97.9 | 98.6 | 98.9 | 99.0 | 99.4 | |
| 30.4 | 38.3 | 51.3 | 59.3 | 71.2 | 76.1 | 83.3 | 91.7 | 93.3 | 96.0 | 97.9 | 97.9 | 98.6 | 98.9 | 99.0 | 99.4 | |

TOTAL NUMBER OF OBSERVATIONS 735

FEDERAL BUREAU OF SURVEY
 METEOROLOGICAL SERVICE
 WEATHER SERVICE / AC

CEILING VERSUS VISIBILITY

WETHERSFIELD AFB, VT

73-87

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1964-110

TABLE 1

| Ceiling (ft) | Visibility (mi) | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 1 | 47.7 | 52.7 | 55.3 | 58.7 | 57.0 | 57.2 | 57.7 | 57.3 | 57.7 | 57.5 | 57.3 | 57.7 | 57.5 | 57.3 | 57.7 | 57.5 | 57.3 | 57.7 | 57.5 | 57.3 | 57.7 | 57.5 | 57.3 | 57.7 |
| 2 | 44.6 | 52.4 | 57.5 | 62.3 | 62.3 | 62.8 | 63.2 | 63.2 | 63.2 | 63.2 | 63.7 | 63.2 | 63.2 | 63.2 | 63.7 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| 3 | 44.6 | 52.4 | 57.8 | 60.9 | 62.3 | 62.8 | 63.2 | 63.2 | 63.3 | 63.7 | 63.3 | 63.3 | 63.3 | 63.3 | 63.7 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| 4 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 5 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 6 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 7 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 8 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 9 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 10 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 11 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 12 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 13 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 14 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 15 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 16 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 17 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 18 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 19 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 20 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 21 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 22 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 23 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 24 | 44.7 | 52.6 | 57.9 | 61.0 | 62.4 | 62.9 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |

TOTAL NUMBER OF OBSERVATIONS 110

FEDERAL CLIMATOLOGY BRANCH
 STAG
 DISTRIBUTION OF VISIBILITY

CEILING VERSUS VISIBILITY

STATION: WASHINGTON FIELD OFFICE AT
 DATE: 12-1-50

72-10

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

12-1-50

| CEILING | 1000 | 900 | 800 | 700 | 600 | 500 | 400 | 300 | 200 | 100 | 0 |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| 1000 | 49.3 | 52.3 | 54.1 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| 900 | 55.3 | 61.3 | 63.4 | 64.3 | 64.3 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| 800 | 55.3 | 61.9 | 63.5 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| 700 | 55.3 | 61.9 | 63.5 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| 600 | 55.3 | 61.9 | 63.5 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| 500 | 55.3 | 61.9 | 63.5 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| 400 | 55.3 | 61.9 | 63.5 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| 300 | 55.3 | 61.9 | 63.5 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| 200 | 55.3 | 61.9 | 63.5 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| 100 | 55.3 | 61.9 | 63.5 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| 0 | 55.3 | 61.9 | 63.5 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |

TOTAL NUMBER OF OBSERVATIONS

FEDERAL CLIMATOLOGY BRANCH
 AFSTAC
 AIR WEATHER SERVICE/AMC

CEILING VERSUS VISIBILITY

123901 BLYTHEVILLE AFB AR

73-87

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

12-1-1952

| CEILING | 1000 | 900 | 800 | 700 | 600 | 500 | 400 | 300 | 200 | 100 | 0 | UNKN | TOTAL |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 500 | 51.8 | 57.1 | 64.9 | 66.7 | 66.3 | 66.7 | 66.3 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| 400 | 62.1 | 63.3 | 66.2 | 67.4 | 67.3 | 67.8 | 67.3 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| 300 | 62.6 | 64.4 | 66.9 | 68.1 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| 200 | 62.8 | 64.4 | 66.2 | 68.1 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| 100 | 63.4 | 65.7 | 68.1 | 69.3 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| 0 | 64.6 | 66.4 | 69.2 | 71.4 | 71.3 | 71.9 | 71.3 | 71.9 | 71.3 | 71.9 | 71.3 | 71.9 | 71.3 |
| UNKN | 69.9 | 71.9 | 74.7 | 75.2 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| TOTAL | 70.2 | 71.7 | 74.8 | 76.3 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 1000 | 74.8 | 77.7 | 80.1 | 82.3 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| 900 | 75.1 | 77.2 | 80.4 | 82.7 | 83.0 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| 800 | 75.4 | 77.9 | 81.0 | 83.3 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| 700 | 76.7 | 79.1 | 82.2 | 84.7 | 85.0 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| 600 | 77.2 | 79.7 | 82.8 | 85.2 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| 500 | 79.6 | 81.9 | 85.2 | 88.4 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| 400 | 81.7 | 83.7 | 87.1 | 89.7 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| 300 | 81.1 | 84.3 | 87.9 | 91.4 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| 200 | 82.8 | 86.7 | 91.3 | 93.0 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 100 | 84.1 | 87.9 | 91.9 | 94.6 | 95.1 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| 0 | 84.1 | 89.1 | 92.1 | 94.8 | 95.2 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| UNKN | 84.2 | 88.3 | 90.2 | 95.9 | 96.4 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| TOTAL | 84.7 | 89.0 | 93.6 | 96.9 | 97.6 | 98.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 1000 | 85.1 | 89.4 | 94.0 | 97.3 | 98.0 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 900 | 85.1 | 89.4 | 94.1 | 97.6 | 98.2 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 800 | 85.1 | 89.4 | 94.1 | 97.6 | 98.2 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 700 | 85.1 | 89.4 | 94.1 | 97.8 | 98.4 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 600 | 85.1 | 89.4 | 94.1 | 97.8 | 98.4 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 500 | 85.1 | 89.4 | 94.1 | 97.8 | 98.4 | 99.3 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 400 | 85.2 | 89.6 | 94.2 | 97.9 | 98.6 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 300 | 85.2 | 89.6 | 94.2 | 97.9 | 98.6 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 200 | 85.2 | 89.6 | 94.2 | 97.9 | 98.6 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 100 | 85.2 | 89.6 | 94.2 | 97.9 | 98.6 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 0 | 85.2 | 89.6 | 94.2 | 97.9 | 98.6 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| UNKN | 85.2 | 89.6 | 94.2 | 97.9 | 98.6 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 201

CEILING VERSUS VISIBILITY

STATION: WRIGHT-PATTERSON AFB, OH

72-01

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1957-1966

| CEILING (ft) | >= 1000 | 800 | 600 | 400 | 200 | < 200 | < 100 | < 50 | < 25 | < 15 | < 10 | < 5 | < 3 | < 2 | < 1 | < 0 |
|--------------|---------|------|------|------|------|-------|-------|------|------|------|------|------|------|------|------|------|
| 1000 | 50.4 | 50.8 | 61.1 | 61.9 | 61.6 | 61.9 | 61.0 | 61.5 | 61.1 | 61.8 | 61.5 | 61.5 | 61.7 | 61.7 | 61.6 | 61.6 |
| 800 | 64.2 | 64.8 | 68.3 | 69.8 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| 600 | 67.7 | 67.8 | 69.8 | 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 |
| 400 | 67.7 | 67.7 | 70.2 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| 200 | 68.4 | 68.4 | 69.8 | 71.4 | 71.4 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| < 200 | 70.2 | 70.2 | 71.4 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| < 100 | 71.4 | 71.4 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| < 50 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| < 25 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| < 15 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| < 10 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| < 5 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| < 3 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| < 2 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| < 1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| < 0 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

14-5 (OL A) LYTHERVILLE AFB A

73-57

1957

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

14-5-2100

| CEILING | 1000 | 900 | 800 | 700 | 600 | 500 | 400 | 300 | 200 | 100 | 0 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1000 | 89.4 | 69.4 | 55.7 | 69.7 | 59.1 | 69.7 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| 900 | 63.7 | 63.6 | 71.2 | 73.8 | 74.2 | 74.3 | 74.3 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| 800 | 63.7 | 63.6 | 71.2 | 73.8 | 74.2 | 74.3 | 74.3 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| 700 | 74.1 | 70.7 | 71.4 | 74.2 | 74.7 | 74.8 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| 600 | 69.1 | 71.1 | 72.4 | 73.2 | 75.2 | 75.9 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| 500 | 64.3 | 74.3 | 75.4 | 76.4 | 79.1 | 79.2 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| 400 | 64.2 | 74.2 | 75.7 | 78.7 | 79.3 | 79.4 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| 300 | 71.1 | 75.5 | 80.0 | 83.3 | 84.1 | 84.7 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 200 | 72.1 | 77.1 | 80.2 | 83.6 | 84.3 | 84.9 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 100 | 73.3 | 79.9 | 81.4 | 85.0 | 85.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| 0 | 74.2 | 81.1 | 82.7 | 85.6 | 87.4 | 88.1 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| 1000 | 74.3 | 81.1 | 82.8 | 86.2 | 87.3 | 88.3 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| 900 | 75.4 | 82.2 | 83.9 | 88.0 | 88.9 | 89.4 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| 800 | 77.1 | 83.7 | 85.7 | 89.8 | 90.7 | 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 | 91.7 |
| 700 | 77.3 | 84.0 | 86.7 | 91.0 | 91.9 | 92.4 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| 600 | 77.3 | 85.6 | 88.4 | 93.0 | 93.9 | 94.4 | 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 |
| 500 | 76.9 | 87.2 | 89.2 | 93.9 | 94.9 | 95.6 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| 400 | 80.1 | 87.4 | 89.4 | 94.1 | 95.1 | 95.8 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| 300 | 80.1 | 88.7 | 90.1 | 94.8 | 95.8 | 96.3 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| 200 | 81.7 | 89.4 | 91.7 | 95.3 | 96.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| 100 | 81.3 | 89.2 | 91.4 | 96.1 | 97.1 | 98.1 | 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 |
| 0 | 81.9 | 89.5 | 92.0 | 96.7 | 97.7 | 98.7 | 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 |
| 1000 | 81.9 | 89.5 | 92.0 | 96.7 | 97.7 | 98.7 | 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 |
| 900 | 81.9 | 89.5 | 92.0 | 96.7 | 97.7 | 98.7 | 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 |
| 800 | 81.9 | 89.5 | 92.0 | 96.7 | 97.7 | 98.7 | 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 |
| 700 | 81.9 | 89.5 | 92.0 | 96.7 | 97.7 | 98.7 | 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 |
| 600 | 81.9 | 89.5 | 92.0 | 96.7 | 97.7 | 98.7 | 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 |
| 500 | 81.9 | 89.5 | 92.0 | 96.7 | 97.7 | 98.7 | 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 |
| 400 | 81.9 | 89.5 | 92.0 | 96.7 | 97.7 | 98.7 | 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 |
| 300 | 81.9 | 89.5 | 92.0 | 96.7 | 97.7 | 98.7 | 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 |
| 200 | 81.9 | 89.5 | 92.0 | 96.7 | 97.7 | 98.7 | 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 |
| 100 | 81.9 | 89.5 | 92.0 | 96.7 | 97.7 | 98.7 | 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 |
| 0 | 81.9 | 89.5 | 92.0 | 96.7 | 97.7 | 98.7 | 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 |

TOTAL NUMBER OF OBSERVATIONS 700

CEILING VERSUS VISIBILITY

WYTHAM, AFB, VA

77-22

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 11.7 | 47.6 | 50.7 | 51.2 | 51.3 | 51.1 | 51.3 | 50.4 | 50.7 | 51.2 | 51.7 | 51.5 | 51.3 | 51.4 | 51.4 | 51.4 |
| 11.2 | 52.2 | 53.2 | 51.2 | 54.2 | 53.4 | 52.2 | 57.1 | 57.4 | 57.7 | 57.9 | 57.8 | 58.2 | 58.2 | 58.1 | 58.1 |
| 11.2 | 52.7 | 52.7 | 51.4 | 54.7 | 53.5 | 52.6 | 57.5 | 57.5 | 57.9 | 58.0 | 58.0 | 58.1 | 58.2 | 58.2 | 58.2 |
| 11.2 | 52.2 | 52.4 | 51.4 | 54.2 | 53.2 | 52.7 | 57.5 | 57.2 | 57.2 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 | 58.2 |
| 11.7 | 53.1 | 52.7 | 51.8 | 55.1 | 54.0 | 57.0 | 57.9 | 58.0 | 58.3 | 58.4 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 |
| 11.2 | 54.2 | 57.2 | 53.2 | 56.2 | 57.4 | 58.5 | 69.1 | 69.5 | 69.5 | 69.8 | 69.9 | 69.9 | 70.2 | 70.1 | 70.2 |
| 12.1 | 54.2 | 54.2 | 57.5 | 71.7 | 72.7 | 73.4 | 74.3 | 74.4 | 74.7 | 74.8 | 74.9 | 74.9 | 74.9 | 75.0 | 75.1 |
| 12.2 | 54.2 | 64.2 | 67.2 | 71.7 | 72.0 | 73.3 | 74.3 | 74.7 | 75.2 | 75.2 | 75.3 | 75.4 | 75.4 | 75.5 | 75.5 |
| 13.1 | 62.0 | 61.9 | 71.9 | 74.1 | 77.1 | 78.5 | 79.5 | 79.7 | 80.0 | 80.0 | 80.2 | 80.2 | 80.3 | 80.3 | 80.4 |
| 13.1 | 62.2 | 64.2 | 72.2 | 75.7 | 77.2 | 79.2 | 82.4 | 82.5 | 82.9 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 | 81.3 |
| 13.3 | 63.1 | 62.7 | 73.3 | 77.7 | 78.0 | 80.7 | 81.5 | 81.7 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| 13.2 | 64.2 | 72.2 | 74.5 | 79.1 | 80.3 | 81.2 | 83.1 | 83.2 | 83.6 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| 13.7 | 64.5 | 71.5 | 75.1 | 79.8 | 80.9 | 82.4 | 83.7 | 83.8 | 84.3 | 84.4 | 84.4 | 84.4 | 84.5 | 84.5 | 84.7 |
| 13.2 | 65.7 | 72.2 | 74.2 | 78.2 | 79.2 | 81.5 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| 14.3 | 66.7 | 74.0 | 77.8 | 82.3 | 84.2 | 85.8 | 87.1 | 87.7 | 87.7 | 87.8 | 87.9 | 87.9 | 88.0 | 88.0 | 88.1 |
| 14.2 | 67.4 | 75.1 | 78.9 | 84.0 | 85.4 | 87.2 | 88.4 | 88.5 | 88.9 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.4 |
| 14.0 | 68.4 | 75.1 | 80.2 | 85.5 | 85.9 | 88.5 | 89.9 | 90.1 | 90.5 | 90.7 | 90.7 | 90.8 | 90.8 | 90.8 | 91.0 |
| 14.2 | 69.1 | 77.1 | 81.3 | 86.8 | 88.3 | 90.1 | 91.7 | 91.8 | 92.2 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.7 |
| 14.7 | 68.3 | 77.7 | 81.7 | 87.2 | 88.7 | 90.5 | 92.1 | 92.7 | 92.7 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.1 |
| 14.1 | 70.0 | 78.3 | 82.8 | 88.5 | 90.2 | 92.1 | 93.7 | 93.8 | 94.3 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.7 |
| 14.1 | 70.7 | 79.7 | 83.9 | 89.6 | 91.2 | 93.3 | 95.0 | 95.0 | 95.6 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 96.1 |
| 14.1 | 71.3 | 79.9 | 84.6 | 90.5 | 92.2 | 94.3 | 96.1 | 96.2 | 96.7 | 96.8 | 96.8 | 96.8 | 96.9 | 97.0 | 97.1 |
| 14.2 | 71.5 | 80.7 | 85.0 | 91.0 | 92.6 | 94.8 | 96.6 | 96.8 | 97.3 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.7 |
| 14.2 | 71.4 | 80.2 | 85.1 | 91.1 | 92.8 | 95.1 | 96.9 | 97.1 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.0 |
| 14.2 | 71.6 | 80.3 | 85.2 | 91.4 | 93.1 | 95.5 | 97.3 | 97.5 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.4 |
| 14.2 | 71.7 | 80.4 | 85.3 | 91.6 | 93.4 | 95.8 | 97.7 | 97.9 | 98.3 | 98.5 | 98.5 | 98.5 | 98.6 | 98.7 | 98.8 |
| 14.3 | 71.7 | 80.5 | 85.4 | 91.7 | 93.5 | 96.1 | 98.1 | 98.3 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 |
| 14.3 | 71.7 | 80.5 | 85.4 | 91.8 | 93.6 | 96.3 | 98.3 | 98.5 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.4 | 99.5 |
| 14.3 | 71.7 | 80.5 | 85.4 | 91.8 | 93.7 | 96.3 | 98.4 | 98.6 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 |
| 14.3 | 71.7 | 80.5 | 85.4 | 91.8 | 93.7 | 96.3 | 98.4 | 98.7 | 99.2 | 99.5 | 99.5 | 99.5 | 99.6 | 99.7 | 99.8 |
| 14.3 | 71.7 | 80.5 | 85.4 | 91.8 | 93.7 | 96.3 | 98.4 | 98.7 | 99.2 | 99.5 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 7222

U.S. AIR FORCE WEATHER SERVICE
 METAC
 METEOROLOGICAL SERVICE/AFAC

CEILING VERSUS VISIBILITY

STATION: PLYMOUTHVILLE AFB, OH

72-52

457

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1959-1960

| CEILING | 700 | 600 | 500 | 400 | 300 | 200 | 100 | 75 | 50 | 25 | 15 | 10 | 5 | 0 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 700 | 67.3 | 66.4 | 61.9 | 53.4 | 49.4 | 49.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 |
| 600 | 71.1 | 72.4 | 72.7 | 72.1 | 72.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 |
| 500 | 71.1 | 72.4 | 72.7 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 |
| 400 | 71.2 | 72.5 | 72.8 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| 300 | 71.7 | 73.2 | 73.5 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.2 | 74.1 | 74.2 | 74.2 | 74.2 | 74.2 |
| 200 | 76.3 | 75.7 | 75.3 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.5 | 75.4 | 75.4 | 75.4 | 75.4 |
| 100 | 76.4 | 75.2 | 75.8 | 77.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.4 | 79.2 | 79.2 | 79.2 | 79.2 |
| 75 | 80.9 | 80.7 | 82.6 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 |
| 50 | 81.1 | 81.1 | 83.1 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.7 | 83.2 | 83.3 | 84.2 | 84.2 |
| 25 | 82.4 | 84.1 | 84.4 | 84.8 | 84.5 | 84.8 | 84.8 | 84.7 | 84.4 | 85.1 | 85.1 | 85.5 | 85.2 | 85.7 |
| 15 | 84.7 | 85.5 | 87.3 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.3 | 88.4 | 88.4 | 88.8 | 88.2 | 88.3 |
| 10 | 86.0 | 88.2 | 88.8 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 90.0 | 90.1 | 90.1 | 90.5 | 90.5 |
| 5 | 86.7 | 89.1 | 89.7 | 90.6 | 90.6 | 90.5 | 90.3 | 92.3 | 92.9 | 91.2 | 91.1 | 91.4 | 91.4 | 91.4 |
| 0 | 87.1 | 89.9 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 91.9 | 91.3 | 92.3 | 92.3 | 92.3 |
| 700 | 87.7 | 91.6 | 91.4 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.5 | 92.7 | 92.3 | 92.3 | 92.3 |
| 600 | 88.5 | 91.7 | 92.5 | 93.9 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.6 | 94.6 |
| 500 | 89.2 | 92.7 | 93.5 | 94.5 | 94.5 | 94.7 | 94.7 | 94.7 | 94.6 | 94.7 | 94.9 | 95.4 | 95.4 | 95.4 |
| 400 | 89.4 | 92.7 | 93.4 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.3 | 95.4 | 95.4 | 95.8 | 95.8 | 95.8 |
| 300 | 89.7 | 93.1 | 93.9 | 95.5 | 95.7 | 96.3 | 96.3 | 96.3 | 96.5 | 96.6 | 96.6 | 97.2 | 97.2 | 97.2 |
| 200 | 90.1 | 93.5 | 94.4 | 96.1 | 96.3 | 97.2 | 97.1 | 97.1 | 97.2 | 97.3 | 97.3 | 97.7 | 97.7 | 97.7 |
| 100 | 90.2 | 93.9 | 94.6 | 96.3 | 96.6 | 97.3 | 97.4 | 97.4 | 97.5 | 97.6 | 97.6 | 98.1 | 98.1 | 98.1 |
| 75 | 90.2 | 93.8 | 94.6 | 96.3 | 96.6 | 97.3 | 97.4 | 97.4 | 97.5 | 97.6 | 97.6 | 98.1 | 98.1 | 98.1 |
| 50 | 90.2 | 94.0 | 95.2 | 96.9 | 97.1 | 98.0 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 | 98.7 | 98.7 | 98.7 |
| 25 | 90.2 | 94.1 | 95.2 | 96.9 | 97.1 | 98.0 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 | 98.7 | 98.7 | 98.7 |
| 15 | 90.2 | 94.1 | 95.2 | 96.9 | 97.3 | 98.2 | 98.3 | 98.3 | 98.4 | 98.5 | 98.5 | 98.9 | 98.9 | 98.9 |
| 10 | 90.2 | 94.1 | 95.3 | 97.1 | 97.5 | 98.6 | 98.7 | 98.7 | 98.8 | 98.9 | 98.9 | 99.4 | 99.4 | 99.4 |
| 5 | 90.2 | 94.1 | 95.3 | 97.1 | 97.5 | 98.6 | 98.7 | 98.7 | 98.8 | 98.9 | 98.9 | 99.4 | 99.4 | 99.4 |
| 0 | 90.2 | 94.1 | 95.3 | 97.1 | 97.5 | 98.8 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 |
| 700 | 90.2 | 94.1 | 95.3 | 97.1 | 97.5 | 98.8 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 |
| 600 | 90.2 | 94.1 | 95.3 | 97.1 | 97.5 | 98.8 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS 42

CEILING VERSUS VISIBILITY

STATION: WYTHEVILLE, W. VA.

73-2

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1952-1953

| | | | | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 67.2 | 64.3 | 67.1 | 68.1 | 67.6 | 68.9 | 67.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| 67.1 | 67.4 | 70.2 | 71.2 | 71.7 | 71.9 | 71.9 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| 67.1 | 67.4 | 72.2 | 71.2 | 71.7 | 71.9 | 71.9 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| 67.1 | 67.5 | 71.1 | 71.3 | 71.8 | 72.3 | 72.3 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| 67.4 | 67.8 | 71.1 | 71.2 | 72.5 | 72.7 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| 67.7 | 71.2 | 74.1 | 75.3 | 75.8 | 75.1 | 76.1 | 76.3 | 76.7 | 76.3 | 76.7 | 76.3 | 76.7 | 76.3 | 76.7 | 76.3 | 76.7 | 76.3 | 76.7 | 76.3 |
| 67.1 | 71.2 | 74.4 | 75.6 | 75.1 | 75.5 | 75.5 | 76.2 | 75.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 67.1 | 70.6 | 77.1 | 80.3 | 80.9 | 81.2 | 81.2 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| 67.1 | 76.1 | 79.1 | 82.4 | 81.4 | 81.7 | 81.7 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| 67.1 | 76.8 | 81.4 | 81.7 | 82.3 | 82.6 | 82.6 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| 67.1 | 71.8 | 82.6 | 83.9 | 84.9 | 85.3 | 85.3 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| 67.1 | 80.1 | 84.5 | 85.8 | 87.1 | 87.4 | 87.4 | 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 |
| 67.1 | 81.1 | 85.1 | 87.1 | 88.2 | 88.9 | 88.9 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 67.1 | 81.9 | 85.1 | 88.5 | 90.2 | 90.5 | 90.5 | 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 |
| 67.1 | 81.7 | 88.1 | 89.2 | 91.6 | 91.9 | 91.9 | 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 |
| 67.1 | 83.4 | 89.1 | 91.4 | 93.1 | 93.4 | 93.4 | 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 |
| 67.1 | 84.1 | 89.2 | 92.2 | 92.9 | 94.2 | 94.2 | 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 |
| 67.1 | 84.3 | 90.1 | 92.4 | 94.1 | 94.4 | 94.4 | 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 |
| 67.1 | 84.6 | 90.1 | 92.7 | 94.4 | 94.7 | 94.7 | 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 |
| 67.1 | 84.4 | 91.6 | 92.9 | 94.6 | 94.9 | 95.2 | 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 |
| 67.1 | 84.5 | 91.6 | 93.1 | 94.8 | 95.2 | 95.4 | 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 |
| 67.1 | 84.9 | 92.1 | 93.1 | 95.1 | 95.4 | 95.6 | 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 |
| 67.1 | 85.2 | 91.3 | 93.2 | 95.8 | 96.1 | 96.3 | 96.7 | 96.9 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| 67.1 | 85.1 | 91.4 | 93.1 | 95.1 | 96.5 | 96.7 | 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 |
| 67.1 | 85.3 | 91.6 | 94.1 | 96.2 | 96.7 | 97.0 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 67.1 | 85.3 | 91.8 | 94.0 | 96.2 | 96.7 | 97.3 | 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 |
| 67.1 | 85.3 | 91.7 | 94.2 | 96.6 | 97.1 | 97.3 | 97.6 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 67.1 | 85.3 | 91.7 | 94.2 | 96.6 | 97.0 | 97.0 | 98.0 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 67.1 | 85.3 | 91.7 | 94.2 | 96.6 | 97.3 | 97.3 | 98.0 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 67.1 | 85.3 | 91.7 | 94.2 | 96.6 | 97.1 | 97.1 | 98.0 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 67.1 | 85.3 | 91.7 | 94.2 | 96.6 | 97.3 | 97.3 | 98.0 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS 57

U.S. AIR FORCE
 WEATHER SERVICE/MAO

CEILING VERSUS VISIBILITY

WYTHSVILLE AFB, VA

73-11

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| CEILING | 1000 | 900 | 800 | 700 | 600 | 500 | 400 | 300 | 200 | 100 | 0 |
|---------|------|------|------|------|------|------|------|------|------|------|------|
| 1000 | 41.3 | 57.1 | 57.2 | 59.9 | 58.0 | 51.3 | 41.3 | 37.0 | 42.2 | 37.4 | 32.4 |
| 900 | 47.2 | 57.1 | 51.9 | 64.8 | 69.6 | 66.3 | 66.2 | 67.1 | 67.3 | 67.5 | 67.5 |
| 800 | 47.2 | 57.1 | 51.8 | 64.8 | 69.7 | 66.5 | 67.1 | 67.4 | 67.3 | 67.7 | 67.7 |
| 700 | 47.2 | 57.2 | 61.2 | 64.8 | 69.7 | 66.5 | 67.0 | 67.4 | 67.0 | 67.7 | 67.7 |
| 600 | 46.5 | 57.5 | 61.4 | 65.2 | 66.0 | 66.3 | 67.3 | 67.7 | 67.8 | 67.1 | 67.1 |
| 500 | 52.0 | 52.5 | 53.3 | 66.7 | 67.5 | 68.3 | 68.4 | 68.2 | 68.4 | 68.0 | 67.9 |
| 400 | 54.0 | 63.1 | 68.0 | 71.7 | 72.0 | 73.7 | 74.2 | 74.6 | 74.7 | 74.5 | 74.9 |
| 300 | 64.2 | 63.5 | 62.4 | 72.2 | 73.2 | 74.1 | 74.6 | 75.1 | 75.2 | 75.4 | 75.4 |
| 200 | 50.0 | 65.6 | 70.5 | 75.3 | 75.1 | 77.2 | 77.7 | 78.3 | 78.5 | 78.7 | 78.7 |
| 100 | 58.2 | 65.2 | 71.7 | 76.5 | 77.3 | 78.4 | 78.9 | 79.5 | 79.7 | 79.9 | 79.9 |
| 0 | 57.5 | 67.7 | 72.5 | 77.2 | 78.1 | 79.1 | 79.7 | 80.2 | 80.4 | 80.6 | 80.8 |
| 1000 | 59.2 | 69.4 | 74.6 | 79.8 | 80.6 | 81.7 | 82.3 | 82.8 | 83.2 | 83.2 | 83.2 |
| 900 | 59.8 | 70.7 | 76.1 | 81.1 | 81.9 | 83.7 | 83.5 | 84.1 | 84.3 | 84.5 | 84.5 |
| 800 | 60.5 | 71.2 | 77.2 | 82.4 | 83.3 | 84.7 | 85.4 | 86.1 | 86.2 | 86.5 | 86.5 |
| 700 | 60.0 | 71.7 | 77.4 | 82.7 | 83.8 | 85.5 | 86.1 | 86.5 | 87.0 | 87.2 | 87.2 |
| 600 | 61.1 | 71.7 | 78.2 | 83.2 | 84.6 | 86.3 | 87.2 | 87.9 | 88.2 | 88.4 | 88.4 |
| 500 | 62.7 | 73.7 | 81.2 | 85.9 | 87.3 | 89.2 | 90.1 | 90.9 | 91.1 | 91.3 | 91.7 |
| 400 | 63.5 | 74.5 | 81.2 | 86.9 | 88.3 | 90.3 | 91.2 | 91.8 | 92.2 | 92.4 | 92.4 |
| 300 | 64.0 | 75.1 | 81.6 | 87.3 | 88.7 | 90.5 | 91.6 | 92.3 | 92.6 | 92.8 | 92.8 |
| 200 | 64.3 | 75.6 | 82.4 | 88.1 | 89.5 | 91.5 | 92.4 | 93.1 | 93.4 | 93.7 | 93.7 |
| 100 | 64.4 | 75.7 | 82.7 | 88.5 | 89.9 | 91.0 | 92.9 | 93.7 | 94.0 | 94.2 | 94.2 |
| 0 | 64.5 | 76.3 | 83.3 | 89.1 | 90.6 | 92.8 | 93.7 | 94.4 | 94.7 | 94.9 | 94.9 |
| 1000 | 65.2 | 76.7 | 83.8 | 89.8 | 91.3 | 93.4 | 94.3 | 95.1 | 95.4 | 95.6 | 95.6 |
| 900 | 65.3 | 77.0 | 84.2 | 90.2 | 91.7 | 93.9 | 94.7 | 95.5 | 95.8 | 96.0 | 96.0 |
| 800 | 65.4 | 77.1 | 84.5 | 90.3 | 92.0 | 94.3 | 95.2 | 96.0 | 96.3 | 96.6 | 96.6 |
| 700 | 65.5 | 77.2 | 84.6 | 90.8 | 92.5 | 94.7 | 95.5 | 96.5 | 96.8 | 97.0 | 97.0 |
| 600 | 65.5 | 77.2 | 84.7 | 90.9 | 92.7 | 95.2 | 96.1 | 97.0 | 97.4 | 97.6 | 97.6 |
| 500 | 65.5 | 77.2 | 84.7 | 90.9 | 92.7 | 95.2 | 96.2 | 97.1 | 97.5 | 97.8 | 97.8 |
| 400 | 65.5 | 77.2 | 84.7 | 91.0 | 92.8 | 95.3 | 96.7 | 97.6 | 98.1 | 98.5 | 98.5 |
| 300 | 65.5 | 77.2 | 84.7 | 91.0 | 92.8 | 95.3 | 96.9 | 97.8 | 98.3 | 98.7 | 98.7 |
| 200 | 65.5 | 77.2 | 84.7 | 91.0 | 92.8 | 95.3 | 96.9 | 97.8 | 98.3 | 98.7 | 98.7 |
| 100 | 65.5 | 77.2 | 84.7 | 91.0 | 92.8 | 95.3 | 96.9 | 97.8 | 98.3 | 98.7 | 98.7 |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

W. ALABAMA METEOROLOGICAL SERVICE

72-23

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

72-23

| CEILING | 1000 | 900 | 800 | 700 | 600 | 500 | 400 | 300 | 200 | 100 | 0 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1000 | 61.5 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 900 | 62.2 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 800 | 62.2 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 700 | 63.1 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 600 | 64.3 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 500 | 67.3 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 400 | 67.8 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 300 | 70.4 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 200 | 71.4 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 100 | 72.3 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 0 | 74.1 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 1000 | 74.8 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 900 | 75.4 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 800 | 75.4 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 700 | 75.4 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 600 | 77.2 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 500 | 77.6 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 400 | 78.3 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 300 | 79.1 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 200 | 80.1 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 100 | 81.3 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 0 | 81.3 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 1000 | 81.3 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 900 | 81.3 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 800 | 81.3 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 700 | 81.3 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 600 | 81.3 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 500 | 81.3 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 400 | 81.3 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 300 | 81.3 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 200 | 81.3 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 100 | 81.3 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| 0 | 81.3 | 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 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

WALLINGFORD, WYOMING AFB, WY

1957

10

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1957-1957

| CEILING | 1000 | 900 | 800 | 700 | 600 | 500 | 400 | 300 | 200 | 100 | 0 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|---------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1000 | 61.0 | 63.7 | 65.5 | 67.5 | 69.5 | 71.5 | 73.5 | 75.5 | 77.5 | 79.5 | 81.5 | 83.5 | 85.5 | 87.5 | 89.5 | 91.5 | 93.5 | 95.5 | 97.5 | 99.5 | 100.0 |
| 900 | 62.7 | 65.2 | 67.2 | 69.2 | 71.2 | 73.2 | 75.2 | 77.2 | 79.2 | 81.2 | 83.2 | 85.2 | 87.2 | 89.2 | 91.2 | 93.2 | 95.2 | 97.2 | 99.2 | 100.0 | 100.0 |
| 800 | 64.9 | 67.4 | 69.4 | 71.4 | 73.4 | 75.4 | 77.4 | 79.4 | 81.4 | 83.4 | 85.4 | 87.4 | 89.4 | 91.4 | 93.4 | 95.4 | 97.4 | 99.4 | 100.0 | 100.0 | 100.0 |
| 700 | 68.2 | 70.7 | 72.7 | 74.7 | 76.7 | 78.7 | 80.7 | 82.7 | 84.7 | 86.7 | 88.7 | 90.7 | 92.7 | 94.7 | 96.7 | 98.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 600 | 73.8 | 76.3 | 78.3 | 80.3 | 82.3 | 84.3 | 86.3 | 88.3 | 90.3 | 92.3 | 94.3 | 96.3 | 98.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 500 | 77.2 | 79.7 | 81.7 | 83.7 | 85.7 | 87.7 | 89.7 | 91.7 | 93.7 | 95.7 | 97.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 400 | 81.1 | 83.6 | 85.6 | 87.6 | 89.6 | 91.6 | 93.6 | 95.6 | 97.6 | 99.6 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 300 | 84.4 | 86.9 | 88.9 | 90.9 | 92.9 | 94.9 | 96.9 | 98.9 | 100.0 | 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 | 88.3 | 90.8 | 92.8 | 94.8 | 96.8 | 98.8 | 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 | 91.4 | 93.9 | 95.9 | 97.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 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 | 93.5 | 96.0 | 98.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 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 _____

U.S. AIR FORCE
 FEDERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE, AFAC

CEILING VERSUS VISIBILITY

1974-75 WYLYINGFIELD AFB, VA

73-82

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

11-53-1722

| | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 64.1 | 63.3 | 64.4 | 64.3 | 64.5 | 64.3 | 64.5 | 64.3 | 64.7 | 64.5 | 64.3 | 64.5 | 64.7 | 64.9 | 64.7 |
| 71.1 | 71.1 | 72.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| 72.9 | 72.0 | 73.7 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| 72.9 | 73.1 | 74.7 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.7 | 74.3 | 74.7 | 74.3 | 74.7 | 74.3 | 74.7 |
| 74.2 | 74.4 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| 74.5 | 74.7 | 75.7 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| 77.4 | 77.7 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| 81.1 | 81.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| 82.1 | 82.2 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 83.3 | 83.5 | 85.4 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 87.1 | 87.3 | 87.3 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 88.2 | 88.9 | 88.7 | 88.3 | 88.5 | 88.3 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| 89.4 | 89.1 | 89.5 | 89.4 | 89.8 | 89.2 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| 91.7 | 91.3 | 91.1 | 91.1 | 91.6 | 91.3 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| 92.2 | 92.1 | 92.5 | 92.6 | 92.3 | 92.2 | 93.7 | 93.8 | 93.8 | 93.2 | 92.3 | 93.2 | 92.8 | 93.2 | 93.2 |
| 93.1 | 93.5 | 94.4 | 94.6 | 95.5 | 95.8 | 95.9 | 95.3 | 95.7 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| 95.1 | 91.7 | 95.4 | 95.7 | 96.7 | 96.9 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| 95.3 | 92.2 | 96.1 | 96.3 | 97.4 | 97.1 | 97.8 | 98.1 | 98.1 | 98.0 | 98.2 | 98.1 | 98.1 | 98.1 | 98.1 |
| 97.1 | 92.4 | 96.2 | 96.8 | 97.8 | 98.1 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 98.1 | 92.6 | 96.5 | 97.1 | 98.2 | 98.4 | 98.7 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 98.1 | 92.7 | 96.7 | 97.1 | 98.5 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 98.1 | 92.7 | 96.7 | 97.1 | 98.5 | 98.8 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 98.1 | 92.7 | 96.7 | 97.1 | 98.5 | 99.1 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 98.1 | 92.8 | 96.7 | 97.3 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 98.1 | 92.9 | 96.9 | 97.3 | 99.7 | 99.4 | 99.7 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 98.1 | 92.9 | 96.9 | 97.3 | 99.0 | 99.4 | 99.7 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 98.1 | 92.9 | 96.9 | 97.3 | 99.0 | 99.4 | 99.7 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 98.1 | 92.9 | 96.9 | 97.3 | 99.7 | 99.4 | 99.7 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 98.1 | 92.9 | 96.9 | 97.3 | 99.7 | 99.4 | 99.7 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |

TOTAL NUMBER OF OBSERVATIONS 73

CEILING VERSUS VISIBILITY

1757 P
 WINDY
 WYTHEVILLE AFB, ALA

73-57

7-6-57

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

137-0000

TABLE 2

| CEILING | < 100 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 |
|---------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 34.1 | 67.5 | 68.4 | 69.7 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| 34.1 | 72.5 | 74.1 | 75.1 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| 34.1 | 72.5 | 74.1 | 75.1 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| 34.1 | 74.5 | 75.5 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| 34.1 | 76.2 | 76.6 | 77.2 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| 34.1 | 81.3 | 82.2 | 81.5 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| 34.1 | 82.1 | 83.7 | 84.2 | 85.3 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| 34.1 | 82.2 | 84.3 | 85.6 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| 34.1 | 82.2 | 85.1 | 86.5 | 86.8 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| 34.1 | 83.3 | 86.6 | 88.4 | 89.7 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| 34.1 | 83.2 | 87.2 | 89.7 | 89.6 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| 34.1 | 83.1 | 87.7 | 90.1 | 90.5 | 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 | 91.3 | 91.3 | 91.3 |
| 34.1 | 83.3 | 88.3 | 90.7 | 91.8 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 34.1 | 83.5 | 88.2 | 92.2 | 92.9 | 93.5 | 94.1 | 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 |
| 34.1 | 83.7 | 89.5 | 93.5 | 94.3 | 94.9 | 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 |
| 34.1 | 84.1 | 91.4 | 94.4 | 95.3 | 95.9 | 96.5 | 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 |
| 34.1 | 84.1 | 91.4 | 94.4 | 95.3 | 95.9 | 96.5 | 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 |
| 34.1 | 84.1 | 91.5 | 94.7 | 95.6 | 96.2 | 96.3 | 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 |
| 34.1 | 84.1 | 91.5 | 94.7 | 95.7 | 96.3 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| 34.1 | 84.1 | 92.0 | 95.3 | 96.2 | 96.9 | 97.6 | 98.1 | 98.3 | 98.7 | 98.2 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 34.1 | 84.1 | 92.2 | 95.4 | 96.3 | 97.0 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |

TOTAL NUMBER OF OBSERVATIONS _____ 27

CEILING VERSUS VISIBILITY

STATION: AREA:

72-52

1-607

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1107-0000

| | | | | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 67.7 | 68.7 | 69.7 | 69.1 | 69.3 | 69.3 | 69.3 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| 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 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| 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 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

034-1 WLYTHEVILLE AFB, AR

73-2

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ALL

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 61.1 | 61.7 | 64.4 | 65.3 | 67.8 | 68.3 | 68.1 | 68.7 | 68.7 | 68.2 | 68.7 | 68.0 | 68.4 | 68.4 | 68.4 | 68.4 |
| 61.2 | 67.2 | 71.1 | 71.1 | 71.7 | 71.2 | 72.2 | 72.1 | 72.1 | 72.1 | 72.2 | 72.2 | 72.2 | 72.3 | 72.3 | 72.4 |
| 61.7 | 67.4 | 71.1 | 71.2 | 71.9 | 71.9 | 72.1 | 72.2 | 72.2 | 72.2 | 72.3 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 |
| 61.1 | 67.4 | 70.1 | 71.2 | 71.2 | 71.9 | 72.1 | 72.2 | 72.2 | 72.2 | 72.3 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 |
| 61.7 | 67.7 | 71.4 | 71.5 | 72.1 | 72.3 | 72.4 | 72.5 | 72.5 | 72.5 | 72.5 | 72.5 | 72.7 | 72.7 | 72.7 | 72.7 |
| 61.1 | 68.2 | 71.1 | 72.7 | 73.4 | 73.5 | 73.7 | 73.3 | 73.3 | 73.3 | 73.3 | 73.9 | 74.2 | 74.2 | 74.2 | 74.1 |
| 62.7 | 72.4 | 75.5 | 76.7 | 77.4 | 77.6 | 77.8 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 78.1 | 78.1 | 78.1 | 78.2 |
| 62.2 | 72.8 | 75.7 | 77.2 | 77.0 | 78.1 | 78.2 | 78.3 | 78.4 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.7 |
| 64.7 | 75.7 | 79.4 | 81.7 | 81.6 | 81.5 | 82.1 | 82.1 | 82.2 | 82.2 | 82.1 | 82.3 | 82.4 | 82.4 | 82.4 | 82.7 |
| 64.1 | 76.2 | 80.2 | 81.7 | 82.6 | 82.9 | 83.2 | 83.1 | 83.2 | 83.3 | 83.3 | 83.3 | 83.4 | 83.4 | 83.4 | 83.5 |
| 64.3 | 77.6 | 81.2 | 82.8 | 83.5 | 83.7 | 83.9 | 84.0 | 84.1 | 84.1 | 84.2 | 84.2 | 84.3 | 84.3 | 84.3 | 84.4 |
| 64.4 | 77.4 | 83.4 | 84.8 | 85.0 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| 64.0 | 81.3 | 84.4 | 85.9 | 87.1 | 87.3 | 87.5 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.9 | 88.0 | 88.1 |
| 64.1 | 81.1 | 85.4 | 87.3 | 88.2 | 88.6 | 88.9 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 64.1 | 81.3 | 86.4 | 88.1 | 89.5 | 89.9 | 90.2 | 90.3 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| 65.1 | 82.2 | 87.5 | 89.4 | 90.9 | 91.3 | 91.6 | 91.8 | 91.9 | 91.7 | 92.2 | 92.2 | 92.2 | 92.1 | 92.1 | 92.2 |
| 65.1 | 82.7 | 88.7 | 91.0 | 92.5 | 93.0 | 93.3 | 93.5 | 93.6 | 93.6 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 94.0 |
| 65.2 | 84.7 | 89.7 | 91.7 | 93.5 | 94.2 | 94.4 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 |
| 65.2 | 84.3 | 89.9 | 92.0 | 93.7 | 94.2 | 94.6 | 94.8 | 94.8 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.2 |
| 65.2 | 85.3 | 90.1 | 92.7 | 94.5 | 95.0 | 95.6 | 95.8 | 95.9 | 96.0 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 |
| 65.3 | 85.6 | 90.9 | 93.2 | 95.2 | 95.7 | 96.3 | 96.5 | 96.6 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 |
| 65.3 | 86.1 | 91.1 | 93.6 | 95.7 | 96.3 | 96.9 | 97.1 | 97.0 | 97.1 | 97.2 | 97.2 | 97.4 | 97.5 | 97.5 | 97.6 |
| 65.3 | 86.1 | 91.4 | 93.8 | 96.0 | 96.6 | 97.2 | 97.4 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 65.3 | 86.2 | 91.5 | 94.1 | 96.3 | 97.1 | 97.7 | 97.9 | 98.0 | 98.1 | 98.0 | 98.2 | 98.2 | 98.4 | 98.4 | 98.5 |
| 65.3 | 86.3 | 91.7 | 94.2 | 96.5 | 97.2 | 98.0 | 98.2 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 |
| 65.1 | 86.3 | 91.8 | 94.4 | 96.7 | 97.4 | 98.2 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| 65.3 | 86.3 | 91.8 | 94.4 | 96.7 | 97.5 | 98.4 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| 65.3 | 86.3 | 91.9 | 94.4 | 96.8 | 97.6 | 98.6 | 98.9 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 65.3 | 86.3 | 91.9 | 94.4 | 96.8 | 97.6 | 98.6 | 98.9 | 99.1 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 65.3 | 86.3 | 91.9 | 94.4 | 96.8 | 97.6 | 98.6 | 98.9 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| 65.3 | 86.3 | 91.9 | 94.4 | 96.8 | 97.6 | 98.6 | 98.9 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |

TOTAL NUMBER OF OBSERVATIONS 744

CLIMATE DIVISION
METAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1444 - WASHINGTON, D.C. (WAS) AFB

73-12

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1444-1-21

| | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 21.0 | 51.7 | 52.7 | 53.6 | 54.7 | 54.7 | 54.7 | 54.8 | 54.8 | 54.8 | 54.8 | 54.9 | 55.0 | 55.1 | 55.2 | 55.3 | 55.4 | 55.5 | 55.6 | 55.7 | 55.8 | 55.9 | 56.0 | 56.1 | 56.2 | 56.3 | 56.4 | 56.5 |
| 22.3 | 54.7 | 55.8 | 56.8 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.5 | 57.5 | 57.5 | 57.6 | 57.6 | 57.6 | 57.7 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.9 | 57.9 | 58.0 | 58.0 | 58.1 |
| 22.1 | 54.7 | 55.8 | 56.8 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.5 | 57.5 | 57.5 | 57.6 | 57.6 | 57.6 | 57.7 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.9 | 57.9 | 58.0 | 58.0 | 58.1 |
| 22.4 | 54.9 | 55.9 | 56.9 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.9 | 57.9 | 57.9 | 58.0 | 58.0 | 58.0 | 58.1 | 58.1 | 58.1 | 58.2 | 58.2 | 58.3 | 58.3 | 58.4 | 58.4 |
| 22.3 | 55.7 | 57.1 | 57.8 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.6 | 58.6 | 58.6 | 58.7 | 58.7 | 58.7 | 58.8 | 58.8 | 58.9 | 58.9 | 59.0 | 59.0 | 59.1 |
| 23.4 | 57.8 | 58.9 | 59.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 61.0 | 61.0 | 61.3 | 61.3 | 61.3 | 61.4 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5 | 61.6 | 61.6 | 61.6 | 61.7 | 61.7 | 61.8 | 61.8 | 61.9 |
| 23.1 | 58.1 | 59.4 | 60.2 | 61.0 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| 23.0 | 60.2 | 61.7 | 62.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| 23.4 | 61.2 | 63.2 | 63.8 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| 23.1 | 63.2 | 64.4 | 65.2 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| 27.1 | 65.3 | 66.2 | 67.0 | 71.1 | 71.1 | 71.1 | 71.4 | 72.1 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| 31.1 | 69.1 | 71.1 | 72.3 | 73.9 | 74.0 | 74.0 | 74.8 | 75.4 | 75.4 | 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 | 75.8 | 75.8 | 75.8 |
| 29.4 | 70.7 | 72.0 | 74.3 | 76.2 | 76.4 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| 31.4 | 74.7 | 76.9 | 78.4 | 80.6 | 81.3 | 81.5 | 82.2 | 82.2 | 82.2 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| 32.1 | 78.4 | 80.3 | 81.3 | 82.7 | 82.9 | 83.7 | 84.4 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| 32.1 | 77.2 | 80.3 | 82.2 | 84.9 | 85.3 | 86.2 | 87.1 | 87.1 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 32.7 | 78.3 | 80.3 | 82.7 | 85.3 | 85.8 | 86.9 | 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 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| 33.2 | 78.2 | 81.6 | 83.8 | 86.2 | 87.3 | 88.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 33.2 | 78.2 | 81.6 | 83.8 | 86.2 | 87.3 | 88.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 33.2 | 80.0 | 83.3 | 85.9 | 88.6 | 89.6 | 90.3 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| 33.2 | 81.1 | 83.8 | 86.1 | 89.2 | 90.3 | 92.2 | 93.1 | 93.1 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| 33.2 | 81.4 | 84.1 | 86.2 | 90.6 | 91.1 | 93.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| 33.2 | 83.6 | 84.1 | 86.2 | 90.7 | 91.7 | 93.4 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| 33.2 | 83.2 | 84.2 | 87.6 | 91.3 | 92.3 | 94.2 | 96.1 | 96.2 | 96.6 | 96.9 | 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 | 97.3 |
| 33.2 | 83.2 | 84.2 | 87.6 | 91.3 | 92.3 | 94.2 | 96.1 | 96.2 | 96.6 | 96.9 | 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 | 97.3 |
| 33.2 | 83.2 | 84.2 | 87.6 | 91.3 | 92.3 | 94.2 | 96.1 | 96.2 | 96.6 | 96.9 | 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 | 97.3 |
| 33.2 | 83.2 | 84.2 | 87.6 | 91.3 | 92.3 | 94.2 | 96.1 | 96.2 | 96.6 | 96.9 | 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 | 97.3 |

TOTAL NUMBER OF OBSERVATIONS 500

CENTRAL CLIMATOLOGY BRANCH
AFETAC
U.S. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

1954 5 WILLYTHEVILLE AFB AL

79-60

4.6

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1107-1111

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1.1 | 11.3 | 52.3 | 52.9 | 52.9 | 53.3 | 57.4 | 58.3 | 57.1 | 53.0 | 57.4 | 51.3 | 57.9 | 57.1 | 57.7 | 54.4 |
| 1.3 | 52.3 | 54.4 | 55.2 | 55.2 | 55.4 | 55.9 | 56.1 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| 31.1 | 53.3 | 54.4 | 55.3 | 55.3 | 55.4 | 55.9 | 56.2 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| 51.1 | 52.3 | 54.4 | 55.2 | 55.2 | 55.4 | 55.9 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| 71.1 | 53.6 | 54.7 | 55.2 | 55.2 | 55.7 | 56.1 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| 91.1 | 54.3 | 55.4 | 56.2 | 56.2 | 56.4 | 56.9 | 57.1 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| 11.2 | 55.6 | 56.7 | 57.2 | 57.2 | 57.7 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| 22.3 | 55.2 | 57.2 | 57.2 | 57.6 | 58.1 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| 23.7 | 55.3 | 57.4 | 60.0 | 60.0 | 60.4 | 60.9 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| 27.1 | 59.1 | 62.2 | 62.2 | 62.2 | 61.2 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| 28.5 | 61.5 | 61.7 | 62.2 | 62.3 | 63.0 | 63.4 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| 29.1 | 64.3 | 65.5 | 67.2 | 67.1 | 67.1 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| 29.3 | 65.3 | 67.1 | 69.1 | 69.2 | 69.9 | 70.6 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| 32.7 | 67.2 | 69.7 | 71.2 | 71.4 | 72.2 | 73.2 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| 34.9 | 69.6 | 71.9 | 73.2 | 73.7 | 74.6 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| 36.2 | 72.2 | 75.1 | 76.7 | 77.1 | 78.2 | 79.2 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| 37.1 | 74.4 | 77.1 | 78.7 | 79.3 | 80.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| 41.1 | 76.4 | 79.1 | 80.8 | 81.4 | 82.4 | 83.6 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| 42.1 | 77.2 | 80.2 | 81.7 | 82.4 | 83.4 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| 42.3 | 78.4 | 81.4 | 83.4 | 84.2 | 85.3 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| 42.3 | 80.2 | 83.2 | 85.3 | 85.5 | 87.3 | 89.1 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| 42.7 | 81.7 | 83.7 | 85.6 | 86.8 | 88.0 | 90.2 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| 42.7 | 81.7 | 84.1 | 86.6 | 87.8 | 89.1 | 91.2 | 91.5 | 91.5 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 42.2 | 81.1 | 84.4 | 87.1 | 88.3 | 89.7 | 92.1 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| 42.7 | 81.7 | 85.2 | 87.5 | 89.1 | 90.5 | 93.0 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| 42.4 | 82.7 | 85.3 | 88.2 | 89.9 | 91.4 | 93.9 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 42.7 | 82.1 | 85.4 | 88.3 | 90.3 | 91.8 | 94.6 | 95.3 | 95.3 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| 42.4 | 82.2 | 85.7 | 88.6 | 90.2 | 92.0 | 95.1 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| 42.7 | 82.3 | 85.8 | 88.7 | 90.3 | 92.1 | 95.2 | 96.0 | 96.8 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| 42.7 | 82.3 | 85.8 | 88.7 | 90.3 | 92.1 | 95.2 | 96.0 | 97.1 | 97.6 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| 42.7 | 82.3 | 85.8 | 88.7 | 90.3 | 92.1 | 95.2 | 96.0 | 97.1 | 97.6 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION: LYTHEVILLE AFB A

73-60

800

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

8000-0000

| CEILING | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 12.7 | 41.7 | 45.1 | 45.1 | 45.1 | 49.7 | 50.1 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| 12.1 | 44.2 | 42.2 | 51.2 | 52.7 | 53.3 | 53.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| 12.1 | 44.7 | 43.3 | 51.3 | 52.5 | 52.4 | 53.2 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| 12.1 | 45.1 | 43.5 | 51.3 | 52.7 | 53.2 | 54.3 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| 12.1 | 45.2 | 42.4 | 52.2 | 54.3 | 54.7 | 55.1 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| 12.1 | 45.5 | 42.4 | 52.2 | 54.4 | 55.9 | 56.5 | 57.0 | 57.3 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 |
| 12.1 | 47.7 | 51.4 | 54.4 | 55.1 | 56.7 | 57.1 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| 12.1 | 49.8 | 53.4 | 56.7 | 59.1 | 61.3 | 59.3 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| 14.1 | 51.1 | 55.3 | 53.2 | 57.7 | 58.3 | 62.2 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| 14.1 | 52.1 | 55.7 | 59.4 | 61.9 | 61.5 | 62.7 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| 14.1 | 55.3 | 52.3 | 63.2 | 64.9 | 65.7 | 66.7 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| 15.1 | 57.3 | 61.7 | 65.2 | 66.9 | 67.7 | 69.7 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 |
| 14.1 | 55.3 | 63.1 | 66.7 | 67.2 | 70.2 | 71.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| 16.1 | 59.3 | 64.7 | 65.2 | 70.8 | 71.8 | 73.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| 17.1 | 61.4 | 66.3 | 70.4 | 73.8 | 74.3 | 76.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| 17.1 | 63.1 | 68.4 | 72.2 | 75.6 | 75.5 | 78.9 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| 19.1 | 65.3 | 70.3 | 74.2 | 75.3 | 79.1 | 80.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| 19.1 | 65.4 | 70.3 | 74.3 | 73.6 | 79.5 | 81.4 | 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 |
| 20.1 | 67.2 | 72.3 | 76.1 | 80.7 | 82.2 | 84.2 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| 20.1 | 67.7 | 74.5 | 79.0 | 83.1 | 84.4 | 86.7 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| 20.1 | 68.2 | 73.4 | 79.7 | 83.9 | 85.2 | 87.6 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| 20.1 | 69.4 | 75.1 | 81.6 | 85.0 | 86.3 | 89.1 | 91.5 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| 20.1 | 67.6 | 75.3 | 80.2 | 85.8 | 87.5 | 90.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| 20.1 | 67.5 | 76.4 | 81.0 | 85.9 | 87.7 | 90.2 | 92.2 | 92.7 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| 20.1 | 69.7 | 76.7 | 81.2 | 86.3 | 89.2 | 91.8 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| 20.1 | 69.8 | 76.9 | 81.7 | 87.1 | 89.7 | 92.1 | 95.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| 20.1 | 68.3 | 76.9 | 81.9 | 87.4 | 89.6 | 92.9 | 96.4 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| 20.1 | 68.2 | 76.9 | 81.8 | 87.6 | 89.7 | 93.0 | 97.1 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 20.1 | 69.5 | 75.4 | 81.8 | 87.6 | 89.7 | 93.0 | 97.1 | 97.7 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| 20.1 | 69.5 | 75.9 | 81.6 | 87.6 | 89.7 | 93.0 | 97.1 | 97.8 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 20.1 | 69.5 | 75.9 | 81.3 | 87.6 | 89.7 | 93.0 | 97.1 | 97.8 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |

TOTAL NUMBER OF OBSERVATIONS 800

NATIONAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

71343 BLYTHEVILLE AFB AR

73-62

344

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

12-2-1100

| CEILING (FT) | 20 | 21 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 11.7 | 44.9 | 47.0 | 49.1 | 51.0 | 53.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| 12.4 | 44.7 | 52.2 | 54.4 | 55.1 | 55.1 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 12.4 | 44.7 | 52.4 | 54.4 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| 12.4 | 44.7 | 52.4 | 54.4 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| 12.4 | 44.9 | 52.4 | 54.3 | 55.9 | 55.9 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| 12.4 | 44.4 | 52.3 | 55.3 | 55.4 | 56.4 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| 12.4 | 52.7 | 55.0 | 57.9 | 59.7 | 59.0 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| 12.4 | 52.2 | 56.3 | 58.8 | 52.9 | 52.9 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| 13.1 | 54.6 | 58.6 | 60.0 | 61.7 | 61.3 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| 13.4 | 55.3 | 59.4 | 62.0 | 63.2 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| 13.4 | 56.9 | 61.1 | 63.2 | 64.6 | 64.7 | 64.9 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 |
| 13.4 | 56.7 | 63.2 | 65.4 | 67.2 | 67.4 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| 14.0 | 52.2 | 63.9 | 66.3 | 67.8 | 68.3 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| 14.0 | 61.4 | 66.2 | 68.7 | 71.0 | 71.5 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| 14.0 | 62.8 | 67.7 | 70.1 | 72.4 | 73.3 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| 14.3 | 64.3 | 69.3 | 72.0 | 74.8 | 75.3 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| 14.3 | 65.7 | 71.2 | 74.1 | 77.1 | 77.7 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| 14.3 | 67.6 | 73.6 | 76.6 | 79.7 | 80.3 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| 15.1 | 68.4 | 74.2 | 77.2 | 80.3 | 81.1 | 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 |
| 15.1 | 69.4 | 75.7 | 78.7 | 81.8 | 82.6 | 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 |
| 15.3 | 71.4 | 77.8 | 81.0 | 84.9 | 85.7 | 86.3 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| 15.3 | 72.0 | 78.7 | 82.3 | 87.1 | 88.1 | 89.1 | 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 |
| 15.3 | 72.0 | 79.2 | 83.2 | 89.3 | 89.4 | 90.6 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| 15.3 | 72.2 | 79.3 | 83.2 | 89.4 | 91.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| 15.3 | 72.4 | 80.0 | 84.3 | 90.2 | 92.1 | 93.8 | 94.2 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| 15.3 | 72.7 | 80.3 | 84.7 | 91.1 | 93.2 | 95.0 | 96.0 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| 15.3 | 72.8 | 80.6 | 85.0 | 91.8 | 94.2 | 96.2 | 97.4 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| 15.3 | 72.3 | 80.6 | 85.0 | 91.9 | 94.3 | 96.3 | 97.8 | 98.0 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 15.3 | 72.8 | 80.6 | 85.0 | 91.9 | 94.3 | 96.4 | 98.4 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 15.3 | 72.8 | 80.6 | 85.0 | 91.9 | 94.3 | 96.4 | 98.4 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 15.3 | 72.8 | 80.6 | 85.0 | 91.9 | 94.3 | 96.4 | 98.4 | 98.8 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |

TOTAL NUMBER OF OBSERVATIONS _____

GLOBAL CLIMATE MONITORING
 COMBETAC
 ALL WEATHER OPERATIONAL

CEILING VERSUS VISIBILITY

10000 FT VISIBILITY

10000 FT VISIBILITY

10000 FT VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

10000 FT VISIBILITY

| | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 14.0 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| 15.0 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 16.0 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| 17.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 |
| 18.0 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| 19.0 | 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 | 78.8 | 78.8 |
| 20.0 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| 21.0 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| 22.0 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| 23.0 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 24.0 | 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 | 99.3 | 99.3 |
| 25.0 | 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 | 99.3 | 99.3 |

TOTAL NUMBER OF OBSERVATIONS 250

CEILING VERSUS VISIBILITY

STATION: WYTHEVILLE AFB, VA

72-32

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY STATISTICS

| | 20 | 21 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 2.1 | 52.7 | 54.1 | 54.2 | 54.4 | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| 2.1 | 55.1 | 57.3 | 57.7 | 58.0 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| 2.1 | 55.0 | 57.3 | 57.7 | 58.0 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| 2.1 | 55.1 | 57.3 | 57.7 | 58.0 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| 2.1 | 55.4 | 58.4 | 59.3 | 59.7 | 59.8 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| 23.1 | 58.2 | 62.8 | 63.1 | 63.4 | 63.7 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| 24.1 | 61.9 | 62.9 | 63.1 | 63.4 | 63.7 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| 24.1 | 61.0 | 62.9 | 63.1 | 63.4 | 63.7 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| 25.1 | 64.2 | 66.4 | 67.0 | 67.3 | 67.6 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| 26.1 | 69.2 | 67.4 | 68.3 | 68.7 | 68.9 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| 26.1 | 68.9 | 69.6 | 71.6 | 71.1 | 71.3 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| 26.1 | 69.4 | 72.3 | 73.6 | 73.9 | 74.1 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| 26.1 | 71.3 | 74.7 | 75.4 | 75.8 | 76.0 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| 29.1 | 72.7 | 75.7 | 77.1 | 77.8 | 78.0 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| 29.4 | 73.2 | 76.4 | 77.9 | 78.6 | 78.8 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| 29.1 | 75.3 | 79.1 | 80.6 | 81.4 | 81.9 | 82.3 | 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 |
| 30.1 | 77.4 | 81.7 | 83.6 | 84.4 | 85.1 | 85.4 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| 31.2 | 78.7 | 82.9 | 84.6 | 85.9 | 86.6 | 87.0 | 87.4 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| 31.2 | 78.9 | 83.1 | 85.2 | 86.3 | 87.0 | 87.4 | 88.1 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| 31.4 | 79.7 | 84.2 | 86.3 | 87.4 | 88.2 | 88.7 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| 31.7 | 81.1 | 85.1 | 86.7 | 89.9 | 90.7 | 91.2 | 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 |
| 31.7 | 81.4 | 85.9 | 89.6 | 91.8 | 91.6 | 92.3 | 92.3 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| 31.7 | 81.4 | 87.2 | 91.0 | 91.7 | 92.0 | 93.3 | 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 |
| 31.7 | 81.3 | 87.4 | 90.3 | 92.1 | 93.0 | 93.9 | 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 |
| 31.7 | 82.0 | 87.9 | 90.9 | 93.0 | 94.0 | 95.0 | 95.3 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 31.7 | 82.1 | 87.9 | 90.9 | 93.0 | 94.0 | 95.0 | 95.3 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| 31.7 | 82.1 | 87.9 | 90.9 | 93.0 | 94.0 | 95.0 | 95.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| 31.7 | 82.3 | 88.2 | 91.2 | 93.6 | 94.6 | 96.2 | 97.3 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| 31.7 | 82.3 | 88.2 | 91.2 | 93.7 | 94.7 | 96.1 | 97.7 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 31.7 | 82.3 | 88.2 | 91.2 | 93.7 | 94.7 | 96.2 | 97.8 | 98.4 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| 31.7 | 82.3 | 88.2 | 91.2 | 93.7 | 94.7 | 96.2 | 97.8 | 98.4 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |

TOTAL NUMBER OF OBSERVATIONS 900

CEILING VERSUS VISIBILITY

STATION: LYNCHBURG AFB, VA

PERIOD: 1954-1955

NO. 1

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ALL

| CEILING | 1000 | 900 | 800 | 700 | 600 | 500 | 400 | 300 | 200 | 100 | 0 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1000 | 41.0 | 50.0 | 51.4 | 51.8 | 51.9 | 52.0 | 52.2 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| 900 | 12.1 | 12.3 | 14.4 | 15.2 | 15.7 | 15.9 | 16.1 | 16.3 | 16.2 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 | 16.3 |
| 800 | 1.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 700 | 12.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 600 | 11.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 500 | 11.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 400 | 11.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 300 | 11.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 200 | 11.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 100 | 11.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 0 | 11.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 100 | 11.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 200 | 11.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 300 | 11.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 400 | 11.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 500 | 11.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 600 | 11.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 700 | 11.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 800 | 11.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 900 | 11.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |
| 1000 | 11.1 | 12.5 | 14.4 | 15.4 | 15.9 | 16.1 | 16.3 | 16.5 | 16.7 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 | 16.8 |

TOTAL NUMBER OF OBSERVATIONS 7,201

CEILING VERSUS VISIBILITY

LYTHEVILLE AFB, A. 73-62 222

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

000-100

| CEILING (FT) | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 | 105 | 110 | 115 | 120 | 125 | 130 | 135 | 140 | 145 | 150 | 155 | 160 | 165 | 170 | 175 | 180 | 185 | 190 | 195 | 200 | 205 | 210 | 215 | 220 | 225 | 230 | 235 | 240 | 245 | 250 | 255 | 260 | 265 | 270 | 275 | 280 | 285 | 290 | 295 | 300 | 305 | 310 | 315 | 320 | 325 | 330 | 335 | 340 | 345 | 350 | 355 | 360 | 365 | 370 | 375 | 380 | 385 | 390 | 395 | 400 | 405 | 410 | 415 | 420 | 425 | 430 | 435 | 440 | 445 | 450 | 455 | 460 | 465 | 470 | 475 | 480 | 485 | 490 | 495 | 500 | 505 | 510 | 515 | 520 | 525 | 530 | 535 | 540 | 545 | 550 | 555 | 560 | 565 | 570 | 575 | 580 | 585 | 590 | 595 | 600 | 605 | 610 | 615 | 620 | 625 | 630 | 635 | 640 | 645 | 650 | 655 | 660 | 665 | 670 | 675 | 680 | 685 | 690 | 695 | 700 | 705 | 710 | 715 | 720 | 725 | 730 | 735 | 740 | 745 | 750 | 755 | 760 | 765 | 770 | 775 | 780 | 785 | 790 | 795 | 800 | 805 | 810 | 815 | 820 | 825 | 830 | 835 | 840 | 845 | 850 | 855 | 860 | 865 | 870 | 875 | 880 | 885 | 890 | 895 | 900 | 905 | 910 | 915 | 920 | 925 | 930 | 935 | 940 | 945 | 950 | 955 | 960 | 965 | 970 | 975 | 980 | 985 | 990 | 995 | 1000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 23.0 | 53.7 | 54.4 | 54.6 | 54.5 | 54.5 | 54.7 | 54.7 | 54.4 | 54.0 | 54.6 | 54.7 | 55.3 | 55.3 | 55.4 | 55.5 | 55.6 | 55.7 | 55.8 | 55.9 | 56.0 | 56.1 | 56.2 | 56.3 | 56.4 | 56.5 | 56.6 | 56.7 | 56.8 | 56.9 | 57.0 | 57.1 | 57.2 | 57.3 | 57.4 | 57.5 | 57.6 | 57.7 | 57.8 | 57.9 | 58.0 | 58.1 | 58.2 | 58.3 | 58.4 | 58.5 | 58.6 | 58.7 | 58.8 | 58.9 | 59.0 | 59.1 | 59.2 | 59.3 | 59.4 | 59.5 | 59.6 | 59.7 | 59.8 | 59.9 | 60.0 | 60.1 | 60.2 | 60.3 | 60.4 | 60.5 | 60.6 | 60.7 | 60.8 | 60.9 | 61.0 | 61.1 | 61.2 | 61.3 | 61.4 | 61.5 | 61.6 | 61.7 | 61.8 | 61.9 | 62.0 | 62.1 | 62.2 | 62.3 | 62.4 | 62.5 | 62.6 | 62.7 | 62.8 | 62.9 | 63.0 | 63.1 | 63.2 | 63.3 | 63.4 | 63.5 | 63.6 | 63.7 | 63.8 | 63.9 | 64.0 | 64.1 | 64.2 | 64.3 | 64.4 | 64.5 | 64.6 | 64.7 | 64.8 | 64.9 | 65.0 | 65.1 | 65.2 | 65.3 | 65.4 | 65.5 | 65.6 | 65.7 | 65.8 | 65.9 | 66.0 | 66.1 | 66.2 | 66.3 | 66.4 | 66.5 | 66.6 | 66.7 | 66.8 | 66.9 | 67.0 | 67.1 | 67.2 | 67.3 | 67.4 | 67.5 | 67.6 | 67.7 | 67.8 | 67.9 | 68.0 | 68.1 | 68.2 | 68.3 | 68.4 | 68.5 | 68.6 | 68.7 | 68.8 | 68.9 | 69.0 | 69.1 | 69.2 | 69.3 | 69.4 | 69.5 | 69.6 | 69.7 | 69.8 | 69.9 | 70.0 | 70.1 | 70.2 | 70.3 | 70.4 | 70.5 | 70.6 | 70.7 | 70.8 | 70.9 | 71.0 | 71.1 | 71.2 | 71.3 | 71.4 | 71.5 | 71.6 | 71.7 | 71.8 | 71.9 | 72.0 | 72.1 | 72.2 | 72.3 | 72.4 | 72.5 | 72.6 | 72.7 | 72.8 | 72.9 | 73.0 | 73.1 | 73.2 | 73.3 | 73.4 | 73.5 | 73.6 | 73.7 | 73.8 | 73.9 | 74.0 | 74.1 | 74.2 | 74.3 | 74.4 | 74.5 | 74.6 | 74.7 | 74.8 | 74.9 | 75.0 | 75.1 | 75.2 | 75.3 | 75.4 | 75.5 | 75.6 | 75.7 | 75.8 | 75.9 | 76.0 | 76.1 | 76.2 | 76.3 | 76.4 | 76.5 | 76.6 | 76.7 | 76.8 | 76.9 | 77.0 | 77.1 | 77.2 | 77.3 | 77.4 | 77.5 | 77.6 | 77.7 | 77.8 | 77.9 | 78.0 | 78.1 | 78.2 | 78.3 | 78.4 | 78.5 | 78.6 | 78.7 | 78.8 | 78.9 | 79.0 | 79.1 | 79.2 | 79.3 | 79.4 | 79.5 | 79.6 | 79.7 | 79.8 | 79.9 | 80.0 | 80.1 | 80.2 | 80.3 | 80.4 | 80.5 | 80.6 | 80.7 | 80.8 | 80.9 | 81.0 | 81.1 | 81.2 | 81.3 | 81.4 | 81.5 | 81.6 | 81.7 | 81.8 | 81.9 | 82.0 | 82.1 | 82.2 | 82.3 | 82.4 | 82.5 | 82.6 | 82.7 | 82.8 | 82.9 | 83.0 | 83.1 | 83.2 | 83.3 | 83.4 | 83.5 | 83.6 | 83.7 | 83.8 | 83.9 | 84.0 | 84.1 | 84.2 | 84.3 | 84.4 | 84.5 | 84.6 | 84.7 | 84.8 | 84.9 | 85.0 | 85.1 | 85.2 | 85.3 | 85.4 | 85.5 | 85.6 | 85.7 | 85.8 | 85.9 | 86.0 | 86.1 | 86.2 | 86.3 | 86.4 | 86.5 | 86.6 | 86.7 | 86.8 | 86.9 | 87.0 | 87.1 | 87.2 | 87.3 | 87.4 | 87.5 | 87.6 | 87.7 | 87.8 | 87.9 | 88.0 | 88.1 | 88.2 | 88.3 | 88.4 | 88.5 | 88.6 | 88.7 | 88.8 | 88.9 | 89.0 | 89.1 | 89.2 | 89.3 | 89.4 | 89.5 | 89.6 | 89.7 | 89.8 | 89.9 | 90.0 | 90.1 | 90.2 | 90.3 | 90.4 | 90.5 | 90.6 | 90.7 | 90.8 | 90.9 | 91.0 | 91.1 | 91.2 | 91.3 | 91.4 | 91.5 | 91.6 | 91.7 | 91.8 | 91.9 | 92.0 | 92.1 | 92.2 | 92.3 | 92.4 | 92.5 | 92.6 | 92.7 | 92.8 | 92.9 | 93.0 | 93.1 | 93.2 | 93.3 | 93.4 | 93.5 | 93.6 | 93.7 | 93.8 | 93.9 | 94.0 | 94.1 | 94.2 | 94.3 | 94.4 | 94.5 | 94.6 | 94.7 | 94.8 | 94.9 | 95.0 | 95.1 | 95.2 | 95.3 | 95.4 | 95.5 | 95.6 | 95.7 | 95.8 | 95.9 | 96.0 | 96.1 | 96.2 | 96.3 | 96.4 | 96.5 | 96.6 | 96.7 | 96.8 | 96.9 | 97.0 | 97.1 | 97.2 | 97.3 | 97.4 | 97.5 | 97.6 | 97.7 | 97.8 | 97.9 | 98.0 | 98.1 | 98.2 | 98.3 | 98.4 | 98.5 | 98.6 | 98.7 | 98.8 | 98.9 | 99.0 | 99.1 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 132

OFFICIAL CLIMATOLOGY BRANCH
METAC
WATER SERVICE/NAO

CEILING VERSUS VISIBILITY

7019 4 WYTHEVILLE AFB, VA

74-32

600

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1117-5000

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

| CEILING (FT) | 51.2 | 51.4 | 51.6 | 51.8 | 52.0 | 52.2 | 52.4 | 52.6 | 52.8 | 53.0 | 53.2 | 53.4 | 53.6 | 53.8 | 54.0 | 54.2 | 54.4 | 54.6 | 54.8 | 55.0 | 55.2 | 55.4 | 55.6 | 55.8 | 56.0 | 56.2 | 56.4 | 56.6 | 56.8 | 57.0 | 57.2 | 57.4 | 57.6 | 57.8 | 58.0 | 58.2 | 58.4 | 58.6 | 58.8 | 59.0 | 59.2 | 59.4 | 59.6 | 59.8 | 60.0 | 60.2 | 60.4 | 60.6 | 60.8 | 61.0 | 61.2 | 61.4 | 61.6 | 61.8 | 62.0 | 62.2 | 62.4 | 62.6 | 62.8 | 63.0 | 63.2 | 63.4 | 63.6 | 63.8 | 64.0 | 64.2 | 64.4 | 64.6 | 64.8 | 65.0 | 65.2 | 65.4 | 65.6 | 65.8 | 66.0 | 66.2 | 66.4 | 66.6 | 66.8 | 67.0 | 67.2 | 67.4 | 67.6 | 67.8 | 68.0 | 68.2 | 68.4 | 68.6 | 68.8 | 69.0 | 69.2 | 69.4 | 69.6 | 69.8 | 70.0 | 70.2 | 70.4 | 70.6 | 70.8 | 71.0 | 71.2 | 71.4 | 71.6 | 71.8 | 72.0 | 72.2 | 72.4 | 72.6 | 72.8 | 73.0 | 73.2 | 73.4 | 73.6 | 73.8 | 74.0 | 74.2 | 74.4 | 74.6 | 74.8 | 75.0 | 75.2 | 75.4 | 75.6 | 75.8 | 76.0 | 76.2 | 76.4 | 76.6 | 76.8 | 77.0 | 77.2 | 77.4 | 77.6 | 77.8 | 78.0 | 78.2 | 78.4 | 78.6 | 78.8 | 79.0 | 79.2 | 79.4 | 79.6 | 79.8 | 80.0 | 80.2 | 80.4 | 80.6 | 80.8 | 81.0 | 81.2 | 81.4 | 81.6 | 81.8 | 82.0 | 82.2 | 82.4 | 82.6 | 82.8 | 83.0 | 83.2 | 83.4 | 83.6 | 83.8 | 84.0 | 84.2 | 84.4 | 84.6 | 84.8 | 85.0 | 85.2 | 85.4 | 85.6 | 85.8 | 86.0 | 86.2 | 86.4 | 86.6 | 86.8 | 87.0 | 87.2 | 87.4 | 87.6 | 87.8 | 88.0 | 88.2 | 88.4 | 88.6 | 88.8 | 89.0 | 89.2 | 89.4 | 89.6 | 89.8 | 90.0 | 90.2 | 90.4 | 90.6 | 90.8 | 91.0 | 91.2 | 91.4 | 91.6 | 91.8 | 92.0 | 92.2 | 92.4 | 92.6 | 92.8 | 93.0 | 93.2 | 93.4 | 93.6 | 93.8 | 94.0 | 94.2 | 94.4 | 94.6 | 94.8 | 95.0 | 95.2 | 95.4 | 95.6 | 95.8 | 96.0 | 96.2 | 96.4 | 96.6 | 96.8 | 97.0 | 97.2 | 97.4 | 97.6 | 97.8 | 98.0 | 98.2 | 98.4 | 98.6 | 98.8 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 |
|--------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| 22.0 | 51.2 | 51.4 | 51.6 | 51.8 | 52.0 | 52.2 | 52.4 | 52.6 | 52.8 | 53.0 | 53.2 | 53.4 | 53.6 | 53.8 | 54.0 | 54.2 | 54.4 | 54.6 | 54.8 | 55.0 | 55.2 | 55.4 | 55.6 | 55.8 | 56.0 | 56.2 | 56.4 | 56.6 | 56.8 | 57.0 | 57.2 | 57.4 | 57.6 | 57.8 | 58.0 | 58.2 | 58.4 | 58.6 | 58.8 | 59.0 | 59.2 | 59.4 | 59.6 | 59.8 | 60.0 | 60.2 | 60.4 | 60.6 | 60.8 | 61.0 | 61.2 | 61.4 | 61.6 | 61.8 | 62.0 | 62.2 | 62.4 | 62.6 | 62.8 | 63.0 | 63.2 | 63.4 | 63.6 | 63.8 | 64.0 | 64.2 | 64.4 | 64.6 | 64.8 | 65.0 | 65.2 | 65.4 | 65.6 | 65.8 | 66.0 | 66.2 | 66.4 | 66.6 | 66.8 | 67.0 | 67.2 | 67.4 | 67.6 | 67.8 | 68.0 | 68.2 | 68.4 | 68.6 | 68.8 | 69.0 | 69.2 | 69.4 | 69.6 | 69.8 | 70.0 | 70.2 | 70.4 | 70.6 | 70.8 | 71.0 | 71.2 | 71.4 | 71.6 | 71.8 | 72.0 | 72.2 | 72.4 | 72.6 | 72.8 | 73.0 | 73.2 | 73.4 | 73.6 | 73.8 | 74.0 | 74.2 | 74.4 | 74.6 | 74.8 | 75.0 | 75.2 | 75.4 | 75.6 | 75.8 | 76.0 | 76.2 | 76.4 | 76.6 | 76.8 | 77.0 | 77.2 | 77.4 | 77.6 | 77.8 | 78.0 | 78.2 | 78.4 | 78.6 | 78.8 | 79.0 | 79.2 | 79.4 | 79.6 | 79.8 | 80.0 | 80.2 | 80.4 | 80.6 | 80.8 | 81.0 | 81.2 | 81.4 | 81.6 | 81.8 | 82.0 | 82.2 | 82.4 | 82.6 | 82.8 | 83.0 | 83.2 | 83.4 | 83.6 | 83.8 | 84.0 | 84.2 | 84.4 | 84.6 | 84.8 | 85.0 | 85.2 | 85.4 | 85.6 | 85.8 | 86.0 | 86.2 | 86.4 | 86.6 | 86.8 | 87.0 | 87.2 | 87.4 | 87.6 | 87.8 | 88.0 | 88.2 | 88.4 | 88.6 | 88.8 | 89.0 | 89.2 | 89.4 | 89.6 | 89.8 | 90.0 | 90.2 | 90.4 | 90.6 | 90.8 | 91.0 | 91.2 | 91.4 | 91.6 | 91.8 | 92.0 | 92.2 | 92.4 | 92.6 | 92.8 | 93.0 | 93.2 | 93.4 | 93.6 | 93.8 | 94.0 | 94.2 | 94.4 | 94.6 | 94.8 | 95.0 | 95.2 | 95.4 | 95.6 | 95.8 | 96.0 | 96.2 | 96.4 | 96.6 | 96.8 | 97.0 | 97.2 | 97.4 | 97.6 | 97.8 | 98.0 | 98.2 | 98.4 | 98.6 | 98.8 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 600

USAF ETA 0-14-5 VOL A PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CEILING VERSUS VISIBILITY

LYTHEVILLE, TENN

72001

800

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1000-1000

| CEILING | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 | 850 | 900 | 950 | 1000 | 1000 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 10.5 | 44.4 | 44.4 | 47.1 | 47.6 | 47.8 | 48.7 | 48.2 | 47.7 | 47.3 | 47.7 | 47.4 | 48.4 | 48.4 | 48.7 |
| 11.5 | 47.1 | 48.1 | 47.7 | 48.3 | 48.3 | 50.6 | 50.9 | 50.9 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.4 |
| 12.5 | 47.5 | 47.8 | 47.7 | 48.3 | 48.3 | 50.6 | 50.9 | 50.9 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.4 |
| 13.5 | 47.2 | 48.4 | 48.7 | 48.3 | 48.3 | 48.6 | 50.8 | 50.9 | 51.0 | 51.0 | 51.1 | 51.1 | 51.1 | 51.4 |
| 14.5 | 47.8 | 49.4 | 50.4 | 51.1 | 51.1 | 51.4 | 51.5 | 51.1 | 51.7 | 51.7 | 51.8 | 51.9 | 51.7 | 52.1 |
| 15.5 | 48.4 | 51.1 | 51.2 | 51.8 | 51.8 | 52.2 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.9 |
| 16.7 | 51.7 | 57.7 | 54.7 | 55.4 | 55.4 | 55.7 | 56.0 | 56.7 | 56.1 | 56.1 | 56.2 | 56.2 | 56.2 | 56.7 |
| 18.2 | 52.4 | 54.4 | 53.5 | 54.1 | 54.1 | 54.5 | 54.3 | 56.0 | 56.2 | 56.2 | 56.2 | 57.2 | 57.2 | 57.2 |
| 19.2 | 52.4 | 54.4 | 53.5 | 54.1 | 54.1 | 54.5 | 54.3 | 56.0 | 56.2 | 56.2 | 56.2 | 57.2 | 57.2 | 57.2 |
| 17.3 | 54.5 | 54.7 | 57.8 | 54.5 | 54.5 | 56.8 | 59.1 | 59.1 | 59.2 | 59.2 | 59.4 | 59.4 | 59.4 | 59.7 |
| 17.7 | 55.2 | 57.1 | 56.4 | 57.7 | 57.7 | 58.0 | 58.1 | 58.2 | 61.4 | 62.4 | 62.4 | 62.5 | 62.5 | 62.9 |
| 18.5 | 55.1 | 61.7 | 51.4 | 62.0 | 62.0 | 62.4 | 62.7 | 62.7 | 62.4 | 62.4 | 62.9 | 62.9 | 62.9 | 63.7 |
| 18.8 | 55.5 | 63.1 | 64.4 | 65.1 | 65.1 | 65.4 | 65.7 | 65.7 | 65.4 | 65.4 | 65.2 | 65.2 | 65.2 | 65.9 |
| 19.0 | 51.7 | 64.7 | 65.9 | 66.7 | 66.8 | 67.2 | 67.5 | 67.5 | 67.8 | 67.8 | 67.7 | 67.7 | 67.7 | 68.1 |
| 19.1 | 63.1 | 65.1 | 67.1 | 68.0 | 68.1 | 68.5 | 68.4 | 68.5 | 68.7 | 68.8 | 68.8 | 69.1 | 69.1 | 69.2 |
| 19.5 | 64.2 | 66.1 | 68.3 | 69.2 | 69.4 | 69.8 | 70.1 | 70.1 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.8 |
| 20.1 | 65.1 | 67.7 | 69.5 | 70.4 | 70.5 | 71.1 | 71.4 | 71.4 | 71.5 | 71.5 | 71.5 | 71.6 | 71.6 | 71.8 |
| 20.5 | 66.1 | 70.9 | 72.8 | 73.8 | 74.0 | 74.5 | 74.5 | 74.9 | 74.9 | 74.9 | 75.1 | 75.1 | 75.1 | 75.4 |
| 21.0 | 70.4 | 73.5 | 75.5 | 77.0 | 77.2 | 78.2 | 78.6 | 78.6 | 78.7 | 78.7 | 78.8 | 78.9 | 78.9 | 79.1 |
| 21.3 | 71.7 | 75.2 | 76.9 | 78.5 | 78.9 | 80.0 | 80.4 | 80.4 | 80.5 | 80.5 | 80.6 | 80.6 | 80.6 | 81.1 |
| 21.5 | 72.1 | 76.5 | 78.2 | 79.9 | 80.3 | 81.8 | 82.4 | 82.4 | 82.5 | 82.5 | 82.6 | 82.6 | 82.6 | 82.9 |
| 21.7 | 74.3 | 78.3 | 81.1 | 82.2 | 82.6 | 84.1 | 84.7 | 84.7 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 85.2 |
| 22.2 | 75.5 | 79.5 | 81.8 | 83.7 | 84.1 | 85.6 | 86.2 | 86.2 | 86.3 | 86.3 | 86.5 | 86.5 | 86.5 | 86.7 |
| 22.2 | 76.7 | 81.1 | 83.2 | 85.7 | 86.6 | 88.2 | 88.9 | 88.9 | 89.1 | 89.2 | 89.4 | 89.4 | 89.4 | 89.7 |
| 22.2 | 76.9 | 81.3 | 83.5 | 86.5 | 87.4 | 89.1 | 89.4 | 89.5 | 89.2 | 89.3 | 89.4 | 89.4 | 89.4 | 89.7 |
| 22.3 | 77.2 | 81.7 | 84.1 | 87.0 | 88.0 | 89.8 | 91.0 | 91.0 | 91.2 | 91.3 | 91.4 | 91.4 | 91.4 | 91.7 |
| 22.3 | 77.2 | 81.7 | 84.3 | 87.4 | 88.3 | 90.4 | 91.3 | 91.3 | 91.2 | 92.3 | 92.4 | 92.4 | 92.4 | 92.7 |
| 22.3 | 77.3 | 81.8 | 84.7 | 88.2 | 89.2 | 91.6 | 93.1 | 93.1 | 93.4 | 93.5 | 93.7 | 93.7 | 93.7 | 94.1 |
| 22.3 | 77.3 | 81.8 | 84.7 | 88.3 | 89.4 | 91.9 | 93.8 | 93.8 | 94.5 | 94.6 | 94.7 | 94.7 | 94.7 | 94.4 |
| 22.3 | 77.5 | 82.2 | 85.1 | 88.9 | 90.0 | 92.7 | 94.8 | 95.1 | 95.8 | 96.1 | 96.2 | 96.3 | 96.3 | 97.1 |
| 22.3 | 77.5 | 82.2 | 85.1 | 88.9 | 90.0 | 92.7 | 94.9 | 95.6 | 96.7 | 97.2 | 97.3 | 97.7 | 97.7 | 98.1 |
| 22.3 | 77.5 | 82.2 | 85.1 | 88.9 | 90.0 | 92.7 | 95.2 | 95.4 | 96.9 | 97.4 | 97.5 | 98.1 | 98.1 | 98.7 |
| 22.3 | 77.5 | 82.2 | 85.1 | 88.9 | 90.0 | 92.7 | 95.2 | 95.4 | 96.9 | 97.4 | 97.5 | 98.1 | 98.1 | 98.7 |

TOTAL NUMBER OF OBSERVATIONS _____

LOCAL CLIMATE BUREAU BRANCH
 REPORT
 WEATHER SERVICE/740

CEILING VERSUS VISIBILITY

STATION: WYTHEVILLE AFB A

73-22

324

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

500-1100

| CEILING | 1000 | 900 | 800 | 700 | 600 | 500 | 400 | 300 | 200 | 100 | 0 | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 | 900 | 1000 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1000 | 41.7 | 44.2 | 45.2 | 45.7 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| 900 | 42.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| 800 | 42.2 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| 700 | 41.5 | 42.4 | 42.5 | 42.1 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 600 | 41.1 | 42.1 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| 500 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| 400 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| 300 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| 200 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| 100 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| 0 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| 1000 | 58.1 | 58.8 | 59.7 | 60.4 | 60.8 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| 900 | 57.8 | 61.2 | 62.1 | 63.1 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| 800 | 58.9 | 61.4 | 62.8 | 63.9 | 64.0 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| 700 | 57.5 | 62.4 | 64.1 | 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 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| 600 | 63.2 | 67.1 | 68.5 | 70.2 | 70.3 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| 500 | 68.1 | 71.0 | 71.4 | 73.3 | 73.4 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| 400 | 69.4 | 73.9 | 75.5 | 77.7 | 78.1 | 78.1 | 78.3 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| 300 | 70.6 | 75.1 | 76.9 | 79.4 | 79.9 | 79.9 | 80.1 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| 200 | 72.0 | 77.4 | 79.4 | 82.2 | 82.7 | 82.8 | 83.3 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| 100 | 74.2 | 81.8 | 83.2 | 85.2 | 85.6 | 85.7 | 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 | 87.3 |
| 0 | 75.4 | 81.7 | 84.5 | 87.6 | 88.3 | 88.4 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| 1000 | 75.9 | 82.5 | 85.3 | 89.9 | 89.7 | 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 | 90.4 |
| 900 | 74.1 | 82.7 | 85.5 | 89.4 | 90.1 | 90.3 | 90.3 | 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 |
| 800 | 76.2 | 82.1 | 85.3 | 87.8 | 90.8 | 91.2 | 92.0 | 92.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| 700 | 76.2 | 82.1 | 86.2 | 91.5 | 91.7 | 92.4 | 93.5 | 93.5 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| 600 | 75.3 | 83.3 | 86.5 | 91.7 | 92.2 | 93.2 | 94.5 | 94.7 | 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 |
| 500 | 76.3 | 83.3 | 86.4 | 91.1 | 92.3 | 93.3 | 95.2 | 95.7 | 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 |
| 400 | 75.3 | 82.3 | 86.5 | 91.4 | 92.7 | 94.0 | 96.5 | 97.1 | 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 |
| 300 | 76.3 | 83.3 | 86.5 | 91.4 | 92.7 | 94.0 | 96.3 | 97.4 | 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 |
| 200 | 76.3 | 83.3 | 86.5 | 91.4 | 92.7 | 94.0 | 96.3 | 97.4 | 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 |
| 100 | 76.3 | 83.3 | 86.5 | 91.4 | 92.7 | 94.0 | 96.3 | 97.4 | 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 |
| 0 | 76.3 | 83.3 | 86.5 | 91.4 | 92.7 | 94.0 | 96.3 | 97.4 | 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 |

TOTAL NUMBER OF OBSERVATIONS 370

CEILING VERSUS VISIBILITY

TIME: 1111 AFT 3

71-32

1000-1000

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1000-1000

| CEILING | 1000 | 900 | 800 | 700 | 600 | 500 | 400 | 300 | 200 | 100 | 0 | | | | | |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 13.1 | 45.1 | 47.0 | 45.5 | 45.0 | 45.9 | 45.9 | 45.9 | 47.0 | 45.0 | 45.9 | 45.9 | 47.0 | 45.0 | 45.9 | 45.9 | 47.0 |
| 14.1 | 51.1 | 52.1 | 51.7 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| 14.5 | 51.1 | 51.7 | 51.2 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 14.9 | 51.1 | 51.1 | 51.2 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| 14.9 | 52.1 | 51.7 | 51.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| 14.9 | 52.1 | 52.1 | 52.1 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| 15.2 | 54.5 | 55.5 | 55.1 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| 15.3 | 55.1 | 55.1 | 55.1 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| 15.3 | 51.1 | 51.1 | 51.0 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| 15.7 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| 17.1 | 61.6 | 61.6 | 61.6 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| 17.7 | 63.7 | 65.2 | 65.1 | 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 |
| 17.3 | 64.7 | 65.4 | 67.3 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| 18.2 | 67.1 | 69.3 | 69.2 | 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 |
| 18.5 | 69.2 | 71.2 | 72.2 | 73.7 | 73.3 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| 18.7 | 71.5 | 73.2 | 74.5 | 75.5 | 75.4 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| 19.4 | 74.5 | 77.1 | 78.7 | 79.9 | 79.9 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| 19.4 | 77.1 | 72.8 | 81.6 | 83.0 | 83.1 | 83.9 | 84.1 | 84.3 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| 19.5 | 77.3 | 82.7 | 82.2 | 82.9 | 84.0 | 84.7 | 84.3 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| 19.4 | 72.4 | 82.0 | 84.1 | 85.3 | 86.2 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| 19.5 | 79.3 | 82.4 | 85.9 | 88.1 | 88.3 | 89.3 | 89.3 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| 19.5 | 72.2 | 84.7 | 87.1 | 89.5 | 89.7 | 90.7 | 90.8 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| 19.5 | 81.1 | 84.1 | 87.7 | 91.6 | 91.9 | 92.7 | 92.1 | 92.7 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| 19.5 | 85.1 | 84.1 | 87.7 | 91.5 | 91.3 | 93.0 | 93.1 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| 19.5 | 80.1 | 84.7 | 87.3 | 91.7 | 92.3 | 93.4 | 93.6 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| 19.5 | 82.1 | 84.2 | 87.1 | 92.4 | 93.4 | 94.9 | 95.4 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| 19.5 | 81.1 | 85.1 | 88.1 | 92.9 | 94.1 | 96.1 | 97.0 | 97.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| 19.5 | 81.1 | 85.1 | 88.1 | 92.1 | 94.4 | 96.6 | 97.6 | 98.1 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| 19.5 | 80.1 | 85.1 | 88.1 | 93.2 | 94.5 | 96.8 | 97.8 | 98.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| 19.5 | 80.1 | 85.4 | 88.4 | 93.4 | 94.7 | 97.1 | 98.3 | 98.6 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 19.5 | 80.1 | 85.4 | 88.4 | 93.4 | 94.7 | 97.1 | 98.3 | 98.6 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| 19.5 | 81.1 | 85.4 | 88.4 | 93.4 | 94.7 | 97.1 | 98.3 | 98.6 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS 122

U.S. AIR FORCE
METEOROLOGICAL SERVICE
WATERLOO, IOWA

CEILING VERSUS VISIBILITY

1234 WYTHEVILLE AFB AR

73-67

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1234-5000

| | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 22.1 | 51.0 | 51.7 | 51.5 | 51.7 | 51.7 | 51.5 | 51.8 | 51.5 | 51.1 | 51.0 | 51.4 | 51.3 | 51.1 | 51.0 | 51.1 |
| 22.2 | 54.2 | 54.5 | 54.6 | 54.2 | 54.3 | 54.2 | 54.2 | 54.2 | 55.1 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 22.7 | 54.0 | 54.5 | 54.6 | 54.8 | 54.3 | 54.9 | 54.9 | 54.9 | 55.1 | 55.7 | 55.3 | 55.2 | 55.2 | 55.2 | 55.2 |
| 22.7 | 54.2 | 54.5 | 54.6 | 54.8 | 54.2 | 54.2 | 54.2 | 54.2 | 55.2 | 55.1 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| 22.7 | 54.3 | 54.7 | 54.7 | 54.9 | 54.9 | 55.0 | 55.0 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| 22.2 | 54.7 | 55.1 | 55.1 | 55.3 | 55.3 | 55.4 | 55.4 | 55.4 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| 22.2 | 54.6 | 55.1 | 55.3 | 55.7 | 55.7 | 55.8 | 55.8 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| 22.2 | 59.4 | 60.1 | 60.2 | 60.5 | 60.5 | 60.6 | 60.6 | 60.6 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| 22.2 | 60.8 | 61.4 | 61.8 | 61.9 | 61.9 | 62.0 | 62.0 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| 22.2 | 62.2 | 62.6 | 62.2 | 63.1 | 63.1 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| 22.2 | 64.3 | 65.0 | 65.3 | 65.6 | 65.6 | 65.7 | 65.7 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| 22.2 | 67.6 | 68.4 | 68.7 | 69.2 | 69.2 | 69.1 | 69.1 | 69.1 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| 27.2 | 69.9 | 70.7 | 71.1 | 71.5 | 71.5 | 71.6 | 71.7 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| 22.2 | 71.2 | 72.0 | 72.5 | 73.2 | 73.2 | 73.4 | 73.5 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| 22.1 | 73.0 | 74.0 | 74.3 | 75.1 | 75.1 | 75.2 | 75.3 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| 22.7 | 75.6 | 76.5 | 77.1 | 77.9 | 77.9 | 78.1 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| 21.1 | 78.5 | 80.5 | 81.3 | 82.5 | 82.5 | 82.3 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| 21.2 | 82.2 | 82.2 | 83.2 | 84.2 | 84.2 | 85.4 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| 21.7 | 81.1 | 82.5 | 83.5 | 85.3 | 85.3 | 86.0 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| 22.5 | 82.3 | 84.5 | 85.7 | 87.5 | 87.7 | 88.3 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| 22.5 | 83.2 | 84.9 | 86.2 | 88.2 | 88.5 | 89.2 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| 22.7 | 83.9 | 85.9 | 87.2 | 89.3 | 89.5 | 90.3 | 90.6 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| 22.0 | 84.4 | 86.5 | 87.8 | 90.7 | 90.8 | 91.2 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| 22.7 | 84.5 | 86.6 | 88.1 | 90.3 | 90.5 | 91.5 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| 20.7 | 84.6 | 86.7 | 88.6 | 90.7 | 91.2 | 92.1 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| 22.3 | 84.7 | 86.9 | 88.8 | 91.7 | 92.4 | 93.6 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| 22.3 | 84.7 | 87.1 | 89.3 | 92.8 | 93.9 | 95.1 | 96.0 | 96.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| 22.1 | 84.7 | 87.2 | 89.4 | 93.0 | 94.4 | 96.1 | 97.2 | 97.2 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| 22.7 | 84.7 | 87.3 | 89.6 | 93.3 | 94.8 | 96.9 | 98.1 | 98.2 | 98.4 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| 22.7 | 84.2 | 87.5 | 89.2 | 93.5 | 95.0 | 97.1 | 98.4 | 98.7 | 99.1 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| 22.7 | 84.9 | 87.5 | 89.9 | 93.5 | 95.0 | 97.1 | 98.4 | 98.7 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| 22.2 | 84.9 | 87.5 | 89.2 | 93.5 | 95.0 | 97.1 | 98.4 | 98.7 | 99.1 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 |

TOTAL NUMBER OF OBSERVATIONS 527

CENTRAL CLIMATOLOGY BRANCH
 AFMETAC
 AIR WEATHER SERVICE/AFAC

CEILING VERSUS VISIBILITY

1988-89 WILLYMETTSVILLE AFB, AR

73-32

641

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

11-2-2000

| WILLYMETTSVILLE AFB, AR | | | | | | | | | | | | | | |
|-------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| CEILING | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 12.7 | 51.7 | 52.1 | 52.2 | 52.3 | 52.4 | 52.6 | 52.6 | 52.7 | 52.6 | 52.7 | 52.8 | 52.8 | 52.9 | 53.0 |
| 23.1 | 54.5 | 54.6 | 55.1 | 55.1 | 55.2 | 55.4 | 55.4 | 55.4 | 55.4 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| 33.1 | 54.8 | 54.9 | 55.1 | 55.2 | 55.3 | 55.6 | 55.6 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| 43.1 | 54.8 | 54.8 | 55.1 | 55.2 | 55.3 | 55.6 | 55.6 | 55.6 | 55.6 | 55.7 | 55.7 | 55.7 | 55.7 | 55.7 |
| 53.1 | 54.7 | 54.7 | 55.2 | 55.3 | 55.4 | 55.7 | 55.7 | 55.7 | 55.7 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| 63.7 | 55.3 | 55.7 | 55.9 | 56.0 | 56.1 | 56.3 | 56.3 | 56.3 | 56.3 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 |
| 74.3 | 58.5 | 58.4 | 59.0 | 59.1 | 59.2 | 59.4 | 59.4 | 59.4 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| 84.4 | 58.7 | 59.2 | 59.2 | 59.3 | 59.4 | 59.7 | 59.7 | 59.7 | 59.7 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| 99.7 | 61.1 | 61.4 | 62.0 | 62.1 | 62.2 | 62.7 | 62.7 | 62.7 | 62.7 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| 25.1 | 61.4 | 61.8 | 62.4 | 62.5 | 62.6 | 63.0 | 63.0 | 63.0 | 63.0 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| 35.5 | 63.4 | 64.1 | 64.4 | 64.6 | 64.7 | 65.3 | 65.3 | 65.3 | 65.3 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| 45.4 | 66.5 | 67.1 | 67.5 | 67.7 | 67.8 | 70.3 | 70.3 | 70.3 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| 59.1 | 70.1 | 70.7 | 71.1 | 71.7 | 72.3 | 72.5 | 72.5 | 72.5 | 72.5 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| 69.7 | 72.0 | 73.4 | 73.8 | 74.6 | 75.1 | 75.5 | 75.5 | 75.5 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| 79.1 | 74.3 | 74.3 | 75.7 | 75.6 | 76.9 | 77.5 | 77.5 | 77.5 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| 89.1 | 76.8 | 77.8 | 78.4 | 79.4 | 79.7 | 80.3 | 80.3 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| 99.1 | 79.1 | 80.3 | 80.9 | 82.2 | 82.5 | 83.1 | 83.1 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| 10.7 | 82.3 | 81.8 | 83.8 | 84.1 | 84.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| 20.3 | 81.0 | 82.6 | 83.6 | 84.9 | 85.2 | 86.4 | 86.4 | 86.4 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| 30.1 | 82.7 | 84.4 | 85.7 | 87.3 | 87.6 | 88.3 | 88.3 | 88.3 | 88.3 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| 40.2 | 83.4 | 85.4 | 86.5 | 88.5 | 88.8 | 90.2 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| 50.5 | 83.9 | 85.5 | 87.6 | 89.8 | 90.1 | 91.3 | 91.3 | 91.3 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| 60.5 | 84.7 | 87.6 | 88.8 | 91.0 | 91.4 | 92.7 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| 70.5 | 84.7 | 87.8 | 88.8 | 91.0 | 91.4 | 92.7 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| 80.5 | 85.0 | 87.0 | 89.2 | 91.6 | 91.9 | 93.2 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| 90.1 | 85.3 | 88.7 | 89.8 | 92.2 | 92.3 | 94.7 | 95.1 | 95.1 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| 10.4 | 85.5 | 88.4 | 90.0 | 92.6 | 93.3 | 95.6 | 96.1 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| 20.1 | 85.7 | 88.8 | 90.3 | 93.0 | 93.7 | 96.2 | 96.9 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 |
| 30.1 | 85.7 | 88.8 | 90.5 | 93.3 | 94.1 | 97.2 | 98.1 | 98.2 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| 40.1 | 85.7 | 88.8 | 90.5 | 93.3 | 94.1 | 97.6 | 98.5 | 98.6 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 50.1 | 85.7 | 88.8 | 90.5 | 93.3 | 94.1 | 97.6 | 98.5 | 98.6 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 60.1 | 85.7 | 88.8 | 90.5 | 93.3 | 94.1 | 97.6 | 98.5 | 98.6 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 70.1 | 85.7 | 88.8 | 90.5 | 93.3 | 94.1 | 97.6 | 98.5 | 98.6 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 80.1 | 85.7 | 88.8 | 90.5 | 93.3 | 94.1 | 97.6 | 98.5 | 98.6 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| 90.1 | 85.7 | 88.8 | 90.5 | 93.3 | 94.1 | 97.6 | 98.5 | 98.6 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |

TOTAL NUMBER OF OBSERVATIONS 117

CEILING VERSUS VISIBILITY

STATION LYNCHVILLE, APPA

73-50

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

ALL

| CEILING | 30 | 26 | 25 | 24 | 23 | 22 | 21 | 20 | 19 | 18 | 17 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
|---------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|----|---|---|---|---|---|---|---|---|---|
| 11.0 | 51.0 | 51.7 | 54.3 | 59.4 | 65.7 | 68.9 | 66.1 | 58.0 | 54.2 | 56.3 | 50.3 | 51.7 | 50.7 | 48.3 | 50.4 | | | | | | | | | | | | |
| 12.1 | 53.3 | 53.2 | 57.7 | 61.9 | 62.3 | 62.8 | 62.8 | 62.8 | 62.3 | 62.9 | 62.3 | 63.0 | 63.0 | 63.0 | 63.0 | | | | | | | | | | | | |
| 13.1 | 51.7 | 59.4 | 61.0 | 62.2 | 62.5 | 62.2 | 63.1 | 63.1 | 63.2 | 63.2 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | | | | | | | | | | | | |
| 14.1 | 50.4 | 59.4 | 61.4 | 62.6 | 63.0 | 63.3 | 63.5 | 63.8 | 63.8 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | | | | | | | | | | | | |
| 15.1 | 57.4 | 62.0 | 62.4 | 63.7 | 64.1 | 64.4 | 64.4 | 64.7 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | | | | | | | | | | | | |
| 16.1 | 61.0 | 64.7 | 66.5 | 67.8 | 68.2 | 68.5 | 68.8 | 68.8 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | | | | | | | | | | | | |
| 17.1 | 61.4 | 65.2 | 67.1 | 68.3 | 68.7 | 69.2 | 69.3 | 69.3 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | 69.4 | | | | | | | | | | | | |
| 18.1 | 64.4 | 68.4 | 71.3 | 71.7 | 72.1 | 72.5 | 72.8 | 72.8 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | | | | | | | | | | | | |
| 19.1 | 65.3 | 68.4 | 71.3 | 72.7 | 73.2 | 73.6 | 73.6 | 73.8 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | | | | | | | | | | | | |
| 20.1 | 66.3 | 70.9 | 72.4 | 74.0 | 74.4 | 74.9 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | | | | | | | | | | | | |
| 21.1 | 68.2 | 73.7 | 75.8 | 77.4 | 77.9 | 78.4 | 78.7 | 78.9 | 78.8 | 78.7 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | | | | | | | | | | | | |
| 22.1 | 70.2 | 75.7 | 77.9 | 79.8 | 80.3 | 80.8 | 81.1 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | | | | | | | | | | | | |
| 23.1 | 72.1 | 77.0 | 79.4 | 81.2 | 81.8 | 82.3 | 82.7 | 82.7 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | | | | | | | | | | | | |
| 24.1 | 73.3 | 72.1 | 81.5 | 82.5 | 84.1 | 84.6 | 85.0 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | | | | | | | | | | | | |
| 25.1 | 75.5 | 81.1 | 83.6 | 85.7 | 86.4 | 87.0 | 87.4 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | | | | | | | | | | | | |
| 26.1 | 77.1 | 82.7 | 85.4 | 87.8 | 88.3 | 89.2 | 89.5 | 89.7 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | | | | | | | | | | | | |
| 27.1 | 77.3 | 83.1 | 85.8 | 88.3 | 89.1 | 89.7 | 90.2 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | | | | | | | | | | | | |
| 28.1 | 78.3 | 84.3 | 87.2 | 89.8 | 90.6 | 91.4 | 91.9 | 92.0 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | | | | | | | | | | | | |
| 29.1 | 79.0 | 85.3 | 88.4 | 91.1 | 92.0 | 92.9 | 93.4 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | | | | | | | | | | | | |
| 30.1 | 79.4 | 85.7 | 89.1 | 91.9 | 92.9 | 93.5 | 94.4 | 94.6 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | | | | | | | | | | | | |
| 31.1 | 79.7 | 86.2 | 89.4 | 92.5 | 93.5 | 94.5 | 95.2 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | | | | | | | | | | | | |
| 32.1 | 79.8 | 86.3 | 89.7 | 92.8 | 93.9 | 95.0 | 95.7 | 95.8 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | | | | | | | | | | | | |
| 33.1 | 79.9 | 86.5 | 89.9 | 93.2 | 94.3 | 95.5 | 96.3 | 96.4 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | | | | | | | | | | | | |
| 34.1 | 80.0 | 86.7 | 90.1 | 93.5 | 94.7 | 96.0 | 96.3 | 97.0 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | | | | | | | | | | | | |
| 35.1 | 80.0 | 86.7 | 90.2 | 93.7 | 95.0 | 96.4 | 97.4 | 97.6 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | | | | | | | | | | | | |
| 36.1 | 80.0 | 86.8 | 91.2 | 93.8 | 95.1 | 96.7 | 97.3 | 98.1 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | | | | | | | | | | | | |
| 37.1 | 80.0 | 86.9 | 91.3 | 93.9 | 95.2 | 96.8 | 98.1 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | | | | | | | | | | | | |
| 38.1 | 80.0 | 86.9 | 91.3 | 93.9 | 95.2 | 96.9 | 98.1 | 98.4 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | | | | | | | | | | | | |
| 39.1 | 80.0 | 86.9 | 91.3 | 93.9 | 95.2 | 96.9 | 98.1 | 98.4 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | | | | | | | | | | | | |
| 40.1 | 80.0 | 86.9 | 91.3 | 93.9 | 95.2 | 96.9 | 98.1 | 98.4 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS 7735

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED, BROKEN,
OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/VMC

SKY COVER

7234.P BLYTHEVILLE AFB AB 73-81 JAN

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 | 00-07 | 31.6 | | | 17.6 | | | | | | | 10.7 | 44.1 | 6.8 | 929 |
| | 08-15 | 32.0 | | | 13.6 | | | | | | 9.7 | 44.7 | 6.7 | 927 | |
| | 16-23 | 20.8 | | | 20.2 | | | | | | 13.7 | 45.4 | 6.4 | 930 | |
| | 24-31 | 15.6 | | | 10.6 | | | | | | 15.5 | 40.3 | 6.9 | 929 | |
| | 1-14 | 13.3 | | | 20.3 | | | | | | 17.2 | 49.1 | 7.1 | 930 | |
| | 15-27 | 15.3 | | | 10.7 | | | | | | 20.2 | 44.5 | 6.9 | 930 | |
| | 28-29 | 22.2 | | | 10.9 | | | | | | 11.7 | 47.2 | 6.3 | 927 | |
| | 30-31 | 29.9 | | | 13.8 | | | | | | 10.6 | 45.7 | 6.9 | 926 | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| TOTALS | | 22.4 | | | 17.5 | | | | | | 13.7 | 46.3 | 6.8 | 7428 | |

CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAC

SKY COVER

725409

PLYTHEVILLE AFB AF

73-82

1969

STATION

STATION NAME

PERIOD

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 |
| MJ | 00-02 | 25.2 | | | 14.1 | | | | | | 14.5 | 42.3 | 6.1 | 925 |
| | 03-05 | 24.0 | | | 14.2 | | | | | | 16.3 | 41.0 | 6.0 | 924 |
| | 06-08 | 17.4 | | | 19.1 | | | | | | 18.4 | 45.1 | 6.7 | 922 |
| | 09-11 | 16.5 | | | 18.0 | | | | | | 22.0 | 43.6 | 6.9 | 929 |
| | 12-14 | 12.8 | | | 20.0 | | | | | | 22.9 | 44.3 | 7.1 | 930 |
| | 15-17 | 9.8 | | | 22.8 | | | | | | 21.7 | 45.7 | 7.2 | 930 |
| | 18-20 | 15.9 | | | 20.0 | | | | | | 20.5 | 43.5 | 6.8 | 930 |
| | 21-23 | 25.9 | | | 14.5 | | | | | | 15.3 | 40.4 | 6.0 | 928 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 14.9 | | | 14.8 | | | | | | 19.0 | 43.2 | 6.6 | 7418 |

USAFETAC

FORM JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

72 4J6 BLYTHEVILLE AFB AR

73-82

APP

STATION PER OD 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 | 36.6 | | | 16.8 | | | | | | 14.9 | 31.6 | 5.0 | 900 |
| | 03-05 | 30.6 | | | 20.8 | | | | | | 15.3 | 33.3 | 5.3 | 898 |
| | 06-08 | 18.0 | | | 26.1 | | | | | | 23.1 | 32.7 | 5.1 | 899 |
| | 09-11 | 17.7 | | | 21.0 | | | | | | 26.0 | 33.3 | 5.4 | 900 |
| | 12-14 | 12.2 | | | 25.7 | | | | | | 29.7 | 32.4 | 5.7 | 900 |
| | 15-17 | 12.3 | | | 26.0 | | | | | | 26.7 | 35.0 | 5.7 | 900 |
| | 18-20 | 17.7 | | | 27.0 | | | | | | 22.1 | 33.2 | 5.1 | 900 |
| | 21-23 | 29.4 | | | 21.3 | | | | | | 17.0 | 32.2 | 5.4 | 900 |
| | | | | | | | | | | | | | | |
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| TOTALS | | 21.5 | | | 23.3 | | | | | | 21.0 | 33.0 | 6.0 | 7197 |

USAF CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SKY COVER

723408 BLYTHEVILLE AFB AF

73-82

MAY

STATION

STATION NAME

PERIOD

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 | 0-01 | 33.4 | | | 21.9 | | | | | | 16.3 | 29.4 | 6.0 | 920 |
| | 02-05 | 24.1 | | | 26.3 | | | | | | 16.3 | 33.3 | 6.6 | 921 |
| | 06-09 | 18.1 | | | 22.0 | | | | | | 23.6 | 36.2 | 6.4 | 927 |
| | 10-11 | 13.3 | | | 14.5 | | | | | | 26.9 | 35.3 | 6.7 | 930 |
| | 12-14 | 7.4 | | | 28.0 | | | | | | 30.6 | 34.0 | 7.0 | 930 |
| | 15-17 | 7.0 | | | 29.9 | | | | | | 30.0 | 33.1 | 6.9 | 930 |
| | 18-21 | 10.2 | | | 28.4 | | | | | | 28.6 | 32.8 | 6.7 | 930 |
| | 22-23 | 25.5 | | | 24.5 | | | | | | 20.2 | 29.4 | 6.5 | 930 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 17.4 | | | 25.6 | | | | | | 24.1 | 33.1 | 6.2 | 7426 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

7234 DF WLYTHEVILLE AFB AP 73-82 JULY

STATION STATION NAME PERIOD 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 |
| JUN | 00-07 | 38.2 | | | 24.3 | | | | | | 16.0 | 19.4 | 4.7 | 900 |
| | 08-09 | 23.4 | | | 37.9 | | | | | | 26.8 | 18.9 | 5.2 | 845 |
| | 10-15 | 13.2 | | | 32.7 | | | | | | 30.9 | 23.2 | 5.1 | 897 |
| | 16-18 | 10.8 | | | 30.5 | | | | | | 32.2 | 25.9 | 5.5 | 899 |
| | 19-21 | 4.7 | | | 33.0 | | | | | | 37.8 | 24.6 | 6.6 | 900 |
| | 22-23 | 4.7 | | | 37.6 | | | | | | 32.3 | 25.4 | 6.6 | 900 |
| | 24-27 | 10.4 | | | 39.4 | | | | | | 30.6 | 20.6 | 6.7 | 900 |
| | 28-31 | 31.7 | | | 31.6 | | | | | | 18.0 | 18.7 | 4.4 | 899 |
| TOTALS | | 17.1 | | | 32.4 | | | | | | 28.4 | 22.1 | 5.7 | 7190 |

CENTRAL CLIMATOLOGY BRANCH
AF ETAC
AIR WEATHER SERVICE/MAC

SKY COVER

723406
STATION

PLYTHEVILLE AFB AP
STATION NAME

77-82
PERIOD

JUL
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 | |
| JUL | 0-00 | 37.6 | | | 25.3 | | | | | | | 17.8 | 16.3 | 4.1 | 920 |
| | 05-06 | 26.4 | | | 38.7 | | | | | | | 21.5 | 13.5 | 4.4 | 918 |
| | 07-08 | 18.2 | | | 38.4 | | | | | | | 27.1 | 19.2 | 5.4 | 922 |
| | 09-11 | 15.7 | | | 39.4 | | | | | | | 23.2 | 21.8 | 5.4 | 926 |
| | 12-14 | 5.4 | | | 44.2 | | | | | | | 33.3 | 17.1 | 6.0 | 930 |
| | 15-17 | 4.3 | | | 45.3 | | | | | | | 34.9 | 15.5 | 6.1 | 930 |
| | 18-20 | 9.9 | | | 37.8 | | | | | | | 21.0 | 21.3 | 6.1 | 930 |
| | 21-23 | 27.4 | | | 33.3 | | | | | | | 21.6 | 17.7 | 4.7 | 925 |
| | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | |
| TOTALS | | 27.2 | | | 37.8 | | | | | | | 26.3 | 17.7 | 5.3 | 7461 |

CENTRAL CLIMATOLOGY BRANCH
WHLTAC
AF Weather Service/MAC

SKY COVER

723406 WLYTHEVILLE AFB AF 73-82 AIRC
STATION STATION NAME PERIOD METHOD

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 | 0-02 | 44.5 | | | 24.8 | | | | | | 15.5 | 15.2 | 3.7 | 920 |
| | 03-05 | 35.3 | | | 29.5 | | | | | | 16.3 | 18.9 | 4.2 | 909 |
| | 06-08 | 16.5 | | | 35.4 | | | | | | 27.9 | 20.2 | 5.6 | 913 |
| | 09-11 | 14.4 | | | 36.6 | | | | | | 27.8 | 21.3 | 5.7 | 922 |
| | 12-14 | 5.1 | | | 45.6 | | | | | | 32.9 | 16.5 | 6.0 | 930 |
| | 15-17 | 6.9 | | | 48.1 | | | | | | 29.6 | 15.5 | 5.7 | 930 |
| | 18-20 | 16.8 | | | 42.7 | | | | | | 25.2 | 15.3 | 5.1 | 928 |
| | 21-23 | 36.0 | | | 34.0 | | | | | | 16.2 | 13.7 | 3.9 | 924 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 11.9 | | | 37.1 | | | | | | 23.9 | 17.1 | 5.0 | 7376 |

GENERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SKY COVER

725408 BLYTHEVILLE AFB AR 73-82 JFF
STATION STATION NAME PERIOD 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 |
| 5-7 | 0-02 | 44.2 | | | 18.8 | | | | | | 13.7 | 23.3 | 4.1 | 894 |
| | 03-05 | 35.2 | | | 25.7 | | | | | | 14.7 | 24.3 | 4.5 | 663 |
| | 06-08 | 17.7 | | | 21.7 | | | | | | 23.3 | 27.4 | 5.2 | 877 |
| | 09-11 | 18.3 | | | 37.1 | | | | | | 23.7 | 27.9 | 5.5 | 886 |
| | 12-14 | 10.1 | | | 34.2 | | | | | | 29.7 | 25.3 | 6.2 | 695 |
| | 15-17 | 12.3 | | | 36.4 | | | | | | 27.8 | 23.5 | 5.9 | 691 |
| | 18-20 | 25.4 | | | 26.7 | | | | | | 24.6 | 23.3 | 5.3 | 889 |
| | 21-23 | 39.4 | | | 22.6 | | | | | | 16.4 | 21.6 | 4.4 | 884 |
| | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 25.4 | | | 24.0 | | | | | | 22.0 | 24.6 | 5.3 | 769 |

SKY COVER

723418
STATION

SLYTHEVILLE AFB AP
STATION NAME

77-82
PERIOD

01
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 | 33.4 | | | 16.1 | | | | | | 14.4 | 19.0 | 3.7 | 924 |
| | 3-05 | 49.7 | | | 16.0 | | | | | | 17.1 | 21.2 | 7.5 | 925 |
| | 6-08 | 27.0 | | | 33.6 | | | | | | 19.7 | 22.7 | 5.0 | 922 |
| | 9-11 | 28.4 | | | 26.9 | | | | | | 20.2 | 24.4 | 5.1 | 929 |
| | 12-14 | 24.0 | | | 31.2 | | | | | | 21.5 | 23.3 | 5.2 | 931 |
| | 15-17 | 24.2 | | | 31.0 | | | | | | 24.5 | 21.2 | 5.2 | 930 |
| | 18-20 | 35.5 | | | 26.1 | | | | | | 21.1 | 17.3 | 4.4 | 930 |
| | 21-23 | 44.0 | | | 20.0 | | | | | | 16.6 | 18.5 | 3.9 | 928 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 30.5 | | | 24.6 | | | | | | 18.9 | 21.0 | 4.5 | 7418 |

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SKY COVER

7234.2
 STATION

GLYTHEVILLE AFB AP
 STATION NAME

73-82
 PERIOD

NOV
 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 | | |
| NOV | 00-02 | 40.5 | | | 11.9 | | | | | | | | 11.9 | 36.2 | 6.0 | 893 |
| | 03-05 | 37.7 | | | 12.0 | | | | | | | | 12.7 | 37.7 | 6.1 | 892 |
| | 06-08 | 22.3 | | | 23.8 | | | | | | | | 16.2 | 37.7 | 6.0 | 895 |
| | 09-11 | 21.5 | | | 23.7 | | | | | | | | 16.1 | 37.4 | 6.1 | 899 |
| | 12-14 | 16.9 | | | 23.4 | | | | | | | | 21.3 | 37.3 | 6.3 | 900 |
| | 15-17 | 18.3 | | | 25.6 | | | | | | | | 20.8 | 35.3 | 6.2 | 900 |
| | 18-20 | 29.6 | | | 19.4 | | | | | | | | 16.1 | 34.9 | 6.5 | 899 |
| | 21-23 | 35.9 | | | 14.9 | | | | | | | | 12.5 | 36.6 | 6.2 | 898 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| TOTALS | | 23.3 | | | 16.2 | | | | | | | | 15.8 | 36.6 | 6.7 | 7176 |

U.S. AIR FORCE
 AIR FORCE CLIMATOLOGY BRANCH
 WETAC
 WEATHER SERVICE/MAC

SKY COVER

12 24 04 WETHEVILLE AFB AR 73-82 ALL
STATION STATION NAME PERIOD 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 | 22.8 | | | 17.5 | | | | | | 17.7 | 46.3 | 6.4 | 7478 |
| FEB | | 22.4 | | | 19.6 | | | | | | 15.2 | 42.8 | 6.2 | 6759 |
| MAR | | 19.9 | | | 19.8 | | | | | | 19.0 | 43.2 | 6.6 | 7418 |
| APR | | 21.7 | | | 23.3 | | | | | | 21.9 | 53.0 | 6.0 | 7197 |
| MAY | | 17.4 | | | 25.6 | | | | | | 24.1 | 33.0 | 6.2 | 7426 |
| JUN | | 17.1 | | | 32.4 | | | | | | 28.4 | 22.1 | 6.7 | 7190 |
| JUL | | 19.2 | | | 37.8 | | | | | | 26.3 | 17.7 | 6.3 | 7401 |
| AUG | | 21.9 | | | 37.1 | | | | | | 23.9 | 17.1 | 6.0 | 7376 |
| SEP | | 25.4 | | | 28.0 | | | | | | 22.0 | 24.6 | 6.3 | 7069 |
| OCT | | 31.5 | | | 24.6 | | | | | | 18.9 | 21.0 | 4.5 | 7414 |
| NOV | | 29.3 | | | 19.2 | | | | | | 15.8 | 36.6 | 6.7 | 7176 |
| DEC | | 25.0 | | | 19.6 | | | | | | 16.7 | 38.7 | 6.0 | 7419 |
| TOTALS | | 22.9 | | | 25.3 | | | | | | 20.5 | 31.3 | 6.7 | 67277 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

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

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

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

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

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

- a. Extreme maximum temperature
- b. Extreme minimum temperature

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

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

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

Continued on Reverse

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

This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

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

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

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

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

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

FEDERAL BUREAU OF SURVEILLANCE
METEOROLOGICAL SERVICE

DAILY TEMPERATURES

WEATHER SERVICE/MAC

723408 BLYTHEVILLE AFB A
STATION STATION NAME

42-47, 55-58, 60-62
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 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 100 | | | | | | .4 | 4.5 | 2.4 | .1 | | | | .1 |
| 95 | | | | | | 10.4 | 21.5 | 12.9 | 2.9 | | | | 3.9 |
| 90 | | | | .4 | 9.1 | 41.7 | 57.2 | 41.6 | 13.4 | .9 | | | 13.4 |
| 85 | | | .1 | 3.2 | 30.6 | 67.7 | 84.9 | 74.2 | 38.6 | 9.9 | .1 | | 25.3 |
| 80 | | .1 | 9.2 | 17.4 | 53.9 | 87.3 | 96.4 | 93.2 | 63.2 | 26.0 | 1.1 | | 36.3 |
| 75 | | .9 | 32.0 | 55.0 | 74.3 | 97.0 | 99.2 | 98.4 | 82.2 | 45.7 | 6.8 | .1 | 45.2 |
| 70 | 1.0 | 5.3 | 20.5 | 56.1 | 87.6 | 99.9 | 100.0 | 99.6 | 93.4 | 64.0 | 19.1 | 2.4 | 53.6 |
| 65 | 5.8 | 11.6 | 35.5 | 73.0 | 96.1 | 100.0 | | 100.0 | 98.6 | 78.8 | 34.0 | 8.3 | 61.3 |
| 60 | 13.0 | 21.7 | 49.1 | 81.2 | 99.0 | | | | 99.5 | 91.4 | 51.2 | 18.4 | 68.7 |
| 55 | 21.9 | 32.0 | 63.0 | 94.2 | 99.9 | | | | 100.0 | 97.0 | 65.6 | 28.5 | 74.8 |
| 50 | 32.3 | 45.9 | 77.1 | 98.2 | 100.0 | | | | | 99.5 | 79.7 | 43.2 | 81.1 |
| 45 | 46.3 | 60.8 | 87.6 | 99.4 | | | | | | 100.0 | 99.4 | 58.8 | 86.7 |
| 40 | 59.1 | 74.5 | 95.3 | 99.9 | | | | | | | 95.9 | 76.2 | 91.0 |
| 35 | 71.9 | 84.2 | 98.4 | 100.0 | | | | | | | 99.1 | 89.4 | 95.2 |
| 30 | 81.0 | 93.4 | 99.4 | | | | | | | | 99.5 | 95.7 | 97.8 |
| 25 | 94.2 | 98.1 | 100.0 | | | | | | | | 100.0 | 98.9 | 99.3 |
| 20 | 97.8 | 99.4 | | | | | | | | | | 99.8 | 99.7 |
| 15 | 99.4 | 99.9 | | | | | | | | | | 99.9 | 99.9 |
| 10 | 99.9 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| 5 | 100.0 | | | | | | | | | | | | 100.0 |
| MEAN | 63.4 | 48.3 | 58.8 | 70.1 | 79.5 | 87.2 | 90.2 | 88.1 | 81.5 | 72.7 | 56.9 | 46.0 | 66.9 |
| S.D. | 12.99 | 12.67 | 11.84 | 9.31 | 7.93 | 6.23 | 5.64 | 5.91 | 7.47 | 9.17 | 10.89 | 11.22 | 13.85 |
| TOTAL OBS | 67 | 79 | 86 | 83 | 83 | 21 | 83 | 83 | 83 | 86 | 87 | 89 | 101 |

CLIMATOCLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC
 723408 LYTHERVILLE AFB AR
 STATION NAME

DAILY TEMPERATURES

42-45, 55-58, 60-82
YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

| TEMP °F | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN A |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 75 | | | | | .4 | 2.3 | .6 | | | | | | .3 |
| 7 | | | | | .4 | 9.3 | 25.9 | 14.1 | 3.0 | | | | 4.3 |
| 5 | | | | .2 | 7.5 | 40.5 | 70.6 | 52.9 | 21.2 | .7 | | | 15.9 |
| 4 | | | .3 | 6.2 | 32.5 | 74.9 | 90.4 | 79.5 | 42.1 | 7.0 | .5 | .1 | 27.4 |
| 3 | | .4 | 4.5 | 20.9 | 57.0 | 92.1 | 97.1 | 93.9 | 62.4 | 17.4 | 4.9 | .9 | 37.1 |
| 2 | 1.0 | 1.4 | 10.0 | 37.8 | 76.4 | 98.1 | 99.9 | 98.9 | 79.8 | 34.4 | 1.6 | 2.5 | 45.5 |
| 1 | 2.4 | 5.4 | 19.8 | 54.4 | 81.0 | 99.9 | 100.0 | 100.0 | 82.3 | 52.5 | 19.8 | 6.6 | 53.2 |
| 4 | 7.5 | 11.8 | 33.9 | 74.8 | 97.8 | 100.0 | | | 98.1 | 69.6 | 37.0 | 11.7 | 60.9 |
| 3 | 13.0 | 23.3 | 50.9 | 90.0 | 99.9 | | | | 99.5 | 87.0 | 50.0 | 21.4 | 67.2 |
| 2 | 23.0 | 38.3 | 71.0 | 97.0 | 100.0 | | | | 100.0 | 96.4 | 73.3 | 39.2 | 77.9 |
| 1 | 31.4 | 47.4 | 79.6 | 98.8 | | | | | | 98.1 | 80.7 | 50.1 | 81.9 |
| 0 | 45.3 | 60.8 | 90.6 | 100.0 | | | | | | 99.8 | 87.3 | 63.7 | 87.2 |
| 2 | 64.2 | 76.9 | 96.2 | | | | | | | 100.0 | 97.1 | 82.2 | 93.0 |
| 2 | 71.1 | 88.2 | 99.0 | | | | | | | | 99.1 | 91.8 | 96.4 |
| 1 | 81.3 | 94.9 | 99.7 | | | | | | | | 99.9 | 96.9 | 98.4 |
| 1 | 94.8 | 98.9 | 100.0 | | | | | | | | 100.0 | 98.8 | 99.4 |
| 5 | 97.5 | 99.6 | | | | | | | | | | 99.4 | 99.7 |
| 7 | 99.1 | 99.9 | | | | | | | | | | 99.9 | 99.9 |
| -5 | 99.9 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| -1 | 100.0 | | | | | | | | | | | | 100.0 |
| MEAN | 27.7 | 32.0 | 40.3 | 51.1 | 60.1 | 67.7 | 71.3 | 68.9 | 61.8 | 50.2 | 40.7 | 32.9 | 50.5 |
| S D | 1.12 | 1.32 | 1.93 | 3.95 | 7.10 | 5.47 | 4.92 | 5.42 | 8.12 | 9.17 | 9.86 | 10.07 | 17.16 |
| TOTAL OBS | 67 | 79 | 86 | 83 | 83 | 81 | 83 | 83 | 83 | 86 | 87 | 89 | 1015 |

2

FEDERAL CLIMATOLOGY BRANCH
METAC
AIR WEATHER SERVICE/MAC
123405 ELYTHEVILLE AFB AR
STATION STATION NAME

42-45, 55-58, 60-82
YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM DAILY OBSERVATIONS

AN

| TEMP °F | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNA |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5 | | | | | | .1 | 2.6 | .6 | | | | | .1 |
| 5 | | | | | .1 | 6.5 | 22.6 | 12.3 | 2.1 | | | | 3.8 |
| 5 | | | | | 6.5 | 41.1 | 65.4 | 44.9 | 13.9 | .3 | | | 14.1 |
| 25 | | | .2 | 3.5 | 31.5 | 73.8 | 90.9 | 79.5 | 79.0 | 5.2 | .2 | | 20.4 |
| 25 | | | 3.1 | 17.2 | 55.7 | 92.3 | 95.2 | 96.3 | 64.1 | 18.9 | 1.4 | .1 | 36.7 |
| 25 | .3 | .6 | 8.5 | 37.2 | 78.0 | 99.5 | 100.0 | 99.6 | 83.9 | 47.3 | 7.2 | 1.0 | 45.7 |
| 25 | 2.2 | 4.6 | 19.8 | 56.1 | 91.2 | 100.0 | | 100.0 | 95.0 | 60.7 | 18.9 | 3.8 | 53.2 |
| 25 | 5.8 | 11.3 | 32.1 | 76.5 | 98.4 | | | | 98.9 | 78.6 | 32.1 | 9.7 | 61.4 |
| 25 | 11.5 | 21.0 | 50.8 | 89.3 | 99.9 | | | | 99.9 | 91.4 | 52.0 | 19.1 | 69.3 |
| 4 | 22.3 | 34.9 | 68.5 | 96.8 | 100.0 | | | | 100.0 | 98.6 | 69.0 | 32.0 | 76.5 |
| 4 | 37.7 | 53.9 | 85.5 | 99.4 | | | | | | 100.0 | 85.6 | 52.5 | 84.4 |
| 3 | 44.3 | 70.4 | 93.9 | 100.0 | | | | | | | 95.3 | 73.3 | 91.5 |
| 3 | 60.9 | 83.2 | 98.4 | | | | | | | | 98.4 | 87.9 | 94.8 |
| 2 | 83.5 | 92.4 | 99.2 | | | | | | | | 99.7 | 95.4 | 97.5 |
| 20 | 2.3 | 97.3 | 99.9 | | | | | | | | 100.0 | 98.2 | 99.0 |
| 15 | 26.8 | 99.5 | 100.0 | | | | | | | | | 99.4 | 99.6 |
| 10 | 9.9 | 99.9 | | | | | | | | | | 99.8 | 99.9 |
| 5 | 9.8 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| | 100.0 | | | | | | | | | | | | 100.0 |
| MEAN | 35.2 | 40.4 | 50.0 | 60.8 | 70.0 | 77.7 | 81.0 | 78.7 | 71.9 | 61.7 | 50.0 | 40.6 | 59.9 |
| S D | 11.5 | 10.9 | 10.2 | 8.4 | 6.9 | 5.2 | 4.7 | 5.0 | 7.1 | 8.3 | 9.6 | 10.5 | 17.6 |
| TOTAL OBS | 67 | 79 | 88 | 83 | 83 | 81 | 37 | 83 | 83 | 86 | 87 | 89 | 105 |

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

2

FEDERAL CLIMATOLOGY BRANCH
 WAFB, ETAC
 AIR LEATHER SERVICE/MAC

EXTREME VALUES
 MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

723408 ELYTHEVILLE AFB A
 STATION

42-45, 55-56, 60-82
 YEARS

IN FOLLOEING DEGREES AHRENHEIT

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| 42 | | | | | | | | | 95 | 86 | 80 | 73 | |
| 43 | 75 | 70 | 77 | 88 | 92 | 98 | 102 | 102 | 99 | 89 | 81 | 67 | 102 |
| 44 | 66 | 75 | 80 | 81 | 94 | 100 | 102 | 96 | 96 | 89 | 77 | 62 | 102 |
| 45 | | 74 | 82* | 84 | | | | | | | | | |
| 46 | 67 | 72 | 78 | 95 | 91 | 99 | 98 | 101 | 95 | | 85 | 74 | |
| 47 | 70 | 73 | 83 | 95 | 88 | 94 | 97 | 94 | 88 | 81 | 72 | 66 | 101 |
| 48 | 59 | 70 | 62 | 79 | 94 | | | | | | | | |
| 49 | | | | | | 97 | 95 | 99 | 97 | 84 | 76 | 62 | |
| 50 | 60 | 74 | 74 | 83 | 90 | 92 | 93 | 92 | 91 | 86 | 81 | 71 | 93 |
| 51 | 53 | 60 | 75 | 84 | 95 | 92 | 97 | 99 | 94 | 85 | 72 | 70 | 99 |
| 52 | 71 | 66 | 85 | 86 | 92 | 97 | 96 | 98 | 90 | 93 | 74 | 66 | 98 |
| 53 | 67 | 60 | 76 | 82 | 92 | 98 | 101 | 100 | 88 | 83 | 81 | 68 | 101 |
| 54 | 70 | 73 | 70 | 92 | 91 | 95 | 98 | 95 | 89 | 86 | 77 | 67 | 98 |
| 55 | 66 | 66 | 82 | 81 | 88 | 99 | 103 | 96 | 91 | 87 | 76 | 73 | 103 |
| 56 | 75 | 71 | 85 | 88 | 93 | 96 | 94 | 94 | 89 | 91 | 72 | 74 | 96 |
| 57 | 69 | 67 | 84 | 85 | 87 | 97 | 101 | 100 | 92 | 90 | 84 | 62 | 101 |
| 58 | 67 | 59 | 77 | 83 | 92 | 97 | 100 | 98 | 90 | 90 | 73 | 62 | 100 |
| 59 | 59 | 64 | 69 | 83 | 93 | 94 | 100 | 101 | 86 | 86 | 74 | 73 | 101 |
| 60 | 64 | 70 | 70 | 95 | 87 | 101 | 101 | 93* | 96* | 87 | 80 | 72 | 101 |
| 61 | 74 | 72 | 77 | 82 | 92 | 97 | 97 | 95 | 92 | 84 | 79 | 69 | 97 |
| 62 | 64 | 65 | 74 | 79 | 87 | 99 | 98 | 98 | 88 | 88 | 75 | 66 | 99 |
| 63 | 68 | 68 | 82 | 84 | 90 | 95 | 95 | 92 | 86 | 82 | 80 | 65 | 95 |
| 64 | 73 | 69 | 74 | 84 | 91 | 95 | 97 | 93 | 94 | 90 | 77 | 70 | 97 |
| 65 | 70 | 76 | 81 | 88 | 87 | 94 | 99 | 94 | 86 | 89 | 70 | 65 | 99 |
| 66 | 47 | 73 | 76 | 87 | 95 | 98 | 99 | 101 | 92 | 87 | 75 | 62 | 101 |
| 67 | 66 | 49 | 84 | 86 | 91 | 99 | 97 | 96 | 90 | 85 | 78 | 69 | 99 |
| 68 | 60 | 64 | 76 | 81 | 88 | 95 | 100 | 95 | 90 | 88 | 77 | 65 | 100 |
| 69 | 62 | 70 | 70 | 86 | 88 | 97 | 107 | 101 | 100 | 90 | 78 | 68 | 107 |
| 70 | 64 | 76 | 78 | 82 | 89 | 97 | 101 | 98 | 91 | 91 | 74 | 66 | 101 |
| MEAN | | | | | | | | | | | | | |
| S D | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

2
 GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

723408 BLYTHEVILLE AFB AR
 STATION STATION NAME

42-45, 55-58, 60-82
 YEARS

WINDS IN WHOLE DEGREES FAHRENHEIT

| MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| YEAR | 67 | 79 | 53 | 23 | 89 | 95 | 95 | 95 | 94 | 86 | 73 | 77 | 95 |
| MEAN | 66.2 | 69.5 | 77.1 | 84.2 | 90.6 | 96.6 | 98.6 | 96.9 | 92.1 | 87.3 | 76.9 | 69.2 | 89.2 |
| SD | 6.439 | 6.506 | 5.435 | 3.042 | 2.546 | 2.293 | 3.127 | 3.080 | 3.577 | 2.943 | 3.720 | 4.277 | 3.021 |
| TOTAL OBS | 67 | 79 | 53 | 23 | 89 | 95 | 95 | 95 | 94 | 86 | 73 | 77 | 10153 |

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OIA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

2

GLOBAL CLIMATOLOGY BRANCH
 COMETAC
 AIR WEATHER SERVICE/MAC

EXTREME VALUES
 MINIMUM TEMPERATURE

723408 BLYTHEVILLE AFB A
 STATION STATION NAME

42-45, 55-59, 60-62
 YEARS

FROM DAILY OBSERVATIONS

WHOLE DEGREES FAHRENHEIT

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| 42 | | | | | | | | | 30 | 32 | 26 | 22 | |
| 43 | 7 | 12 | 1 | 34 | 51 | 60 | 56 | 56 | 42 | 31 | 22 | 9 | 7 |
| 44 | 10 | 13 | 27 | 22 | 41 | 50 | 56 | 56 | 53 | 39 | 26 | 10 | 10 |
| 45 | | 17 | 31* | 37 | | | | | | | 16 | 11 | |
| 46 | 17 | 31 | 27 | 37 | 49 | 50 | 62 | 56 | 48 | 40 | 22 | 26 | 17 |
| 47 | 11 | 26 | 16 | 31 | 43 | 61 | 65 | 56 | 50 | 32 | 27 | 16 | 11 |
| 48 | 13 | 9 | 29 | 35 | 45 | | | | | | | | |
| 49 | | | | | | 58 | 62 | 63 | 53 | 34 | 26 | 8 | |
| 50 | 9 | 21 | 32 | 37 | 42 | 54 | 57 | 53 | 42 | 27 | 24 | 16 | 9 |
| 51 | -2 | 21 | 27 | 31 | 49 | 55 | 52 | 57 | 42 | 32 | 29 | 1 | -2 |
| 52 | -2 | 5 | 30 | 40 | 39 | 61 | 56 | 53 | 41 | 31 | 27 | -2 | -5 |
| 53 | 14 | 20 | 22 | 34 | 48 | 51 | 60 | 52 | 43 | 31 | 15 | 8 | 9 |
| 54 | 7 | 7 | 20 | 41 | 53 | 59 | 55 | 51 | 40 | 30 | 23 | 21 | 7 |
| 55 | -3 | 18 | 22 | 32 | 47 | 52 | 61 | 57 | 46 | 31 | 22 | 12 | -3 |
| 56 | 10 | 12 | 21 | 42 | 45 | 53 | 59 | 53 | 36 | 35 | 23 | 13 | 12 |
| 57 | 9 | 12 | 15 | 32 | 39 | 58 | 55 | 53 | 47 | 35 | 25 | 16 | * |
| 58 | 11 | 26 | 22 | 40 | 43 | 49 | 63 | 58 | 50 | 33 | 25 | 27 | 11 |
| 59 | 5 | 11 | 27 | 37 | 46 | 54 | 55 | 61 | 50 | 40 | 18 | 24 | 5 |
| 60 | 16 | 10 | 20 | 30 | 43 | 61 | 55 | 57* | 48* | 47 | 24 | 28 | 17 |
| 61 | 6 | 17 | 27 | 30 | 47 | 51 | 55 | 62 | 44 | 36 | 25 | 19 | 6 |
| 62 | 7 | 17 | 34 | 33 | 47 | 61 | 65 | 61 | 48 | 37 | 26 | 12 | 7 |
| 63 | 12 | 20 | 21 | 33 | 50 | 54 | 62 | 59 | 42 | 32 | 27 | 21 | 12 |
| 64 | 13 | 18 | 23 | 35 | 53 | 55 | 62 | 63 | 46 | 36 | 25 | 17 | 15 |
| 65 | 10 | 19 | 31 | 38 | 40 | 63 | 65 | 58 | 52 | 33 | 14 | 2 | 2 |
| 66 | -7 | 17 | 35 | 41 | 47 | 56 | 65 | 62 | 55 | 38 | 20 | 14 | -7 |
| 67 | 12 | 7 | 16 | 41 | 42 | 56 | 68 | 59 | 51 | 35 | 34 | 21 | 7 |
| 68 | 0 | -1 | 30 | 37 | 47 | 56 | 66 | 60 | 49 | 38 | 27 | 15 | -1 |
| 69 | 10 | 12 | 15 | 31 | 44 | 54 | 65 | 62 | 52 | 36 | 32 | 16 | 12 |
| 70 | 10 | 10 | 31 | 45 | 47 | 60 | 63 | 63 | 47 | 29 | 26 | 13 | 10 |
| MEAN | | | | | | | | | | | | | |
| S D | | | | | | | | | | | | | |
| TOTAL OBS | | | | | | | | | | | | | |

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

2
 FEDERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR WEATHER SERVICE/MAL

EXTREME VALUES
 MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

123408 BLYTHEVILLE AFB AF
 STATION STATION NAME

42-45, 55-59, 60-62
 YEARS

IN WHOLE DEGREES FAHRENHEIT

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|
| | 3 | 13 | 30 | 32 | 53 | 59 | 67 | 63 | 45 | 33 | 25 | 72 | 3 |
| MEAN | 8.4 | 14.8 | 24.8 | 35.6 | 45.7 | 56.2 | 60.5 | 58.1 | 46.4 | 34.1 | 24.2 | 15.1 | 6.3 |
| S D | 6.996 | 7.541 | 6.296 | 4.236 | 4.261 | 3.843 | 4.580 | 3.761 | 4.822 | 3.453 | 4.517 | 7.400 | 6.578 |
| TOTAL OBS | 67 | 791 | 868 | 838 | 837 | 811 | 837 | 837 | 836 | 863 | 870 | 899 | 10153 |

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

FEDERAL BUREAU OF SURVEY
 NATIONAL METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

STATION: SEVENTH VILL AFB STATION NAME: SEVENTH VILL AFB YEARS: 1950
 MONTH: NOV HOURS: 15

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | | | | | | |
| / - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / -7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / -11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / -15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / -17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1.5 | 0.8 | 0.3 | 0.2 | 1.0 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | ΣX^2 | ΣX | \bar{X} | S_x | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|----|
| Rel. Num. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | 1135.4 | 74.2 | 72.7 | 11.6 | 83 | 0 | 46 | 3 | | | | 52 |
| Wet Bulb | 29.3 | 2.4 | 3.0 | 1.4 | 83 | 0 | 35 | | | | | 47 |
| Dew Point | 7737.8 | 41.5 | 28.0 | 13.3 | 93 | 0 | 65 | | | | | 65 |

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

OFFICIAL HEADQUARTERS AIR FORCE
 AIR FORCE
 AIR FORCE SERVICE CENTER

PSYCHROMETRIC SUMMARY

STATION: WYOMING AIR FORCE BASE STATION NAME: WYOMING AIR FORCE BASE YEARS: 73- MONTH: NOVEMBER
 HOURS: 1 S. Y.

| 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 | | | | | | | | | | | | | |
| / - | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / - | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / -7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / -11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / -17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / -18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0 26 5 (OL A) 10-64 REVISIONS INDICATED BY THIS NUMBER

| Element (X) | Z ₁ | Z ₂ | R | σ _a | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|----------------|----------------|--------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|--|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Rel. Hum. | 6 | 5.997 | 2.0155 | 71.412 | 437 | | | | | | | |
| Dry Bulb | 1 | 2.947 | 2.0155 | 31.511 | 18 | | 49.7 | | | | | |
| Wet Bulb | 4 | 3 | 2.7121 | 2.611 | 44 | | | 29.3 | | | | |
| Dew Point | 7 | 4.6 | 2.245 | 2.213 | 44 | | 67.1 | | | | | |

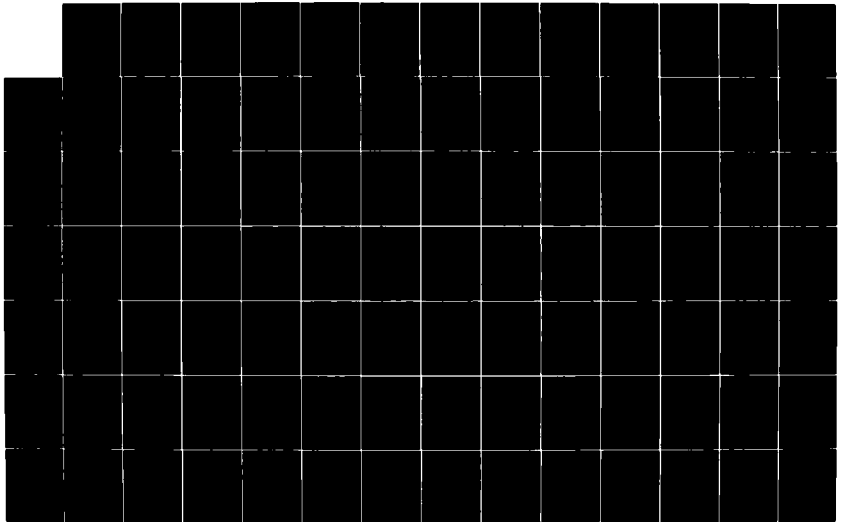
AD-A131 197

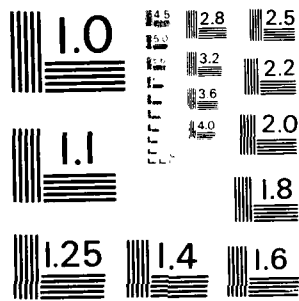
BLYTHEVILLE AFB ARKANSAS REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 83
USAFETAC/DS-83/025 SBI-AD-E850 403 F/G 4/2

4/5

UNCLASSIFIED

NL





MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963 - A

2

U.S. AIR FORCE CLIMATOLOGY BRANCH
 WASH DC
 1000 ARMY AIR FORCE STATION

PSYCHROMETRIC SUMMARY

STATION: WYTHEVILLE AFB STATION NAME: WYTHEVILLE YEARS: 1951 MONTH: 11
 HOURS: 15

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel Hum | | | | | | = 0 F | = 32 F | = 67 F | = 73 F | = 80 F | = 93 F | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USARETAC FORM 0205 (OLA) REVISION 10-55 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL BUREAU OF SURVEY
 NATIONAL CLIMATOLOGY SERVICE
 WASHINGTON, D. C. 20540

PSYCHROMETRIC SUMMARY

STATION: LYTHEVILL AFB STATION NAME: 73-00 YEARS: _____ MONTH: JAN

PERIOD: 0000-1100
 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 | |
| 70 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| 71 | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .1 | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .1 | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .1 | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .1 | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | .1 | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | = 0 F | = 32 F | = 67 F | = 73 F | = 80 F | = 93 F | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26.5 (OL A) REVISIONS INDICATED BY THIS LINE ARE OBSOLETE

2

CENTRAL CLIMATOLOGY BRANCH
METAC
A WEATHER SERVICE/1960

PSYCHROMETRIC SUMMARY

STATION: HAYTHEVILLE AFB A 75-67 YEAR: MONTH: JAN

FAA: 010-110
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 | 4 | 4 | 13 |
| / -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 |
| / -2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 20 |
| / -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 13 |
| / -4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| / -5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| / -6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 |
| / -7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| / -8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| / -9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| / -10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| / -11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| / -12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| / -13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 646 | 131 | 61 | 30 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 927 | 927 | 927 | 927 | |

| Element (X) | $\sum X^2$ | $\sum X$ | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|------------|----------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 50537.6 | 67.75 | 72.4 | 15.70 | 927 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | 12607.9 | 214.3 | 34.6 | 12.73 | 927 | 0.1 | 40.7 | 0.5 | | | | 43 |
| Wet Bulb | 17864 | 294.3 | 31.9 | 12.34 | 927 | 0.4 | 40.7 | 0.1 | | | | 43 |
| Dew Point | 36566 | 474.2 | 51.2 | 14.66 | 927 | 3.8 | 62.4 | | | | | 43 |

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

2

FEDERAL CLIMATOLOGY BRANCH
 METEOROLOGICAL SERVICE/AFAC

PSYCHROMETRIC SUMMARY

STATION: LYTHEWILL AFB MS YEARS: 73-74 MONTH: JAN
 HOURS (L. S. T.): 1200-1400

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47 73 | | | | | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | |
| 47 71 | | | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | | | | | | | | | | |
| 47 69 | | | | | .3 | | | | | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | | | | | | | | | | |
| 47 67 | | | | .2 | .2 | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | | | | | | | | | |
| 47 65 | | .2 | .4 | | .1 | | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | | | | | | | | | |
| 47 63 | | .3 | .1 | .1 | .4 | .1 | .2 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 12 | 7 | | | | | | | |
| 47 61 | | .5 | .4 | .1 | .2 | .1 | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | 9 | 17 | | | | | |
| 47 59 | .1 | .2 | .4 | .1 | .1 | .5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 10 | 10 | | | | | |
| 47 57 | | .2 | .1 | .2 | .4 | .2 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 17 | 17 | 9 | | | | |
| 47 55 | | .2 | 1.1 | .4 | .5 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 12 | 14 | | | | |
| 47 53 | .1 | .3 | .4 | .3 | .4 | .3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 24 | 15 | 4 | | | |
| 47 51 | | .4 | .6 | .2 | .2 | 1.2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 39 | 39 | 24 | 11 | | | |
| 47 49 | | 1.1 | .4 | 1.5 | 1.2 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 45 | 45 | 25 | 13 | | | |
| 47 47 | | .9 | .4 | 1.2 | 1.1 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 44 | 44 | 42 | 21 | | |
| 47 45 | | .4 | .2 | 1.3 | .2 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 42 | 52 | 26 | 27 | | |
| 47 43 | .1 | .6 | 1.2 | 1.7 | 1.1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 51 | 51 | 32 | 15 | | |
| 47 41 | | .9 | .4 | 1.7 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 34 | 34 | 24 | 10 | | |
| 47 39 | .3 | 1.2 | 1.1 | 1.2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 37 | 38 | 16 | 34 | |
| 47 37 | .1 | 1.2 | 1.3 | 2.1 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 46 | 46 | 44 | 31 | |
| 47 35 | .4 | 2.0 | 2.1 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 57 | 57 | 48 | 32 | |
| 37 33 | .4 | 2.5 | 2.2 | 1.2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 62 | 62 | 40 | 27 | |
| 37 31 | .2 | 2.3 | 1.2 | 1.2 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 62 | 62 | 41 | 26 |
| 47 29 | .4 | 1.1 | 2.1 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 42 | 48 | 49 | 35 |
| 47 27 | .5 | 2.3 | 2.5 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 63 | 63 | 29 | 49 |
| 47 25 | | 1.9 | 1.9 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 39 | 39 | 68 | 52 | |
| 47 23 | .1 | .2 | 1.2 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 21 | 21 | 16 | 33 | |
| 47 21 | .2 | 2.2 | .4 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 34 | 26 |
| 47 19 | .2 | 1.0 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | 34 | 24 | |
| 47 17 | | 1.1 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | 21 | 30 | |
| 47 15 | | .5 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 21 | 21 | |
| 47 13 | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 15 | 30 | |
| 47 11 | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 4 | 35 | |
| 47 9 | | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 7 | 24 | |
| Element (X) | Σ X' | Σ X | X̄ | % X | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. 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 (OLA) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GENERAL CLIMATOLOGY BRANCH
 AIR FORCE WEATHER SERVICE/MAL

PSYCHROMETRIC SUMMARY

STATION: WYNNEVILLE AFB AL STATION NAME: 73-82 YEARS: MONTH: JAN

PAGE: 1205-1400 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 | | | | | | | | | | | | | | |
| / | | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | | | | | | | |
| / | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 1 | 15 | | | | | | | | | | | | | | |
| / | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 1 | 12 | | | | | | | | | | | | | | |
| / -1 | | | | | | | | | | | | | | | | | | | | | 1 | 3 | | | | | | | | | | | | | |
| - / -1 | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| - / -3 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| - / -7 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| - / -15 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| - / -17 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| - / -19 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| TOTAL | 4.3 | 3.0 | 2.9 | 4.2 | 1.3 | 0.8 | 4.0 | 1.5 | .2 | | | | | | | | | 929 | | | 929 | 62.6 | | | | | | | | | | | | | |

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|----|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Rel. Hum. | 428652 | 61186 | 55.9 | 16.593 | 929 | | | | | | | |
| Dry Bulb | 125621 | 35423 | 34.8 | 13.169 | 929 | | 33.3 | 1.1 | .1 | | | 93 |
| Wet Bulb | 123109 | 31479 | 34.3 | 12.189 | 929 | | 43.0 | | | | | 93 |
| Dew Point | 68849 | 25256 | 27.0 | 14.654 | 929 | 2.1 | 61.5 | | | | | 93 |

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH
WASH DC
METEOROLOGICAL SERVICE/MAG

PSYCHROMETRIC SUMMARY

12300 STATION GUYTHEWILL AFB AR 73-87 YEARS JAN MONTH 1950-1951 HOURS (L. S. T.)

PAGE 1 1950-1951 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 | | |
| 7/ 71 | | | | | | | .1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | | |
| 7/ 69 | | | | | | | .1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | |
| 6/ 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | | |
| 6/ 65 | | | .2 | .2 | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 10 | 10 | 3 | | |
| 7/ 63 | | | .4 | .3 | .1 | .1 | .1 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | | 2 | |
| 7/ 61 | | | .6 | .4 | .2 | .2 | .2 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 1 | |
| 7/ 59 | | | .5 | .3 | .1 | .1 | .1 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 17 | 1 | 7 | |
| 7/ 57 | | | .8 | 1.0 | .4 | .4 | .4 | .4 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 34 | 24 | 12 | 16 | |
| 8/ 55 | | | .4 | .6 | .2 | .2 | .5 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | 7 | 6 | |
| 4/ 53 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 26 | 24 | 4 | |
| 7/ 51 | .1 | .3 | 1.1 | .2 | 1.2 | .6 | .1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 48 | 40 | 30 | 21 | |
| 7/ 49 | | .3 | .5 | .5 | .5 | .5 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | 21 | 14 | |
| 7/ 47 | .3 | .2 | 1.1 | 1.7 | 1.5 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 56 | 46 | 36 | 19 | |
| 6/ 45 | .2 | .4 | 1.1 | 1.9 | 1.1 | .5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 50 | 40 | 41 | 17 | |
| 4/ 43 | | .6 | .8 | 1.6 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 35 | 35 | 35 | 23 | |
| 7/ 41 | | .5 | .1 | 1.1 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 25 | 25 | 56 | 35 | |
| 7/ 39 | .1 | 1.4 | .6 | 1.3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 34 | 34 | 52 | 20 | |
| 7/ 37 | .1 | 2.0 | 1.9 | 1.8 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 51 | 43 | 52 | 33 | |
| 7/ 35 | .3 | 2.2 | 2.3 | 1.2 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 53 | 39 | 42 | 27 | |
| 7/ 33 | .6 | 2.3 | 1.9 | .4 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 54 | 54 | 52 | 44 | |
| 7/ 31 | .6 | 1.5 | 1.6 | 2.4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 44 | 64 | 54 | 33 | |
| 7/ 29 | .1 | 1.2 | 3.1 | 1.2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 57 | 57 | 47 | 71 | |
| 7/ 27 | .2 | 3.1 | 2.3 | .9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 49 | 39 | 31 | 33 | |
| 7/ 25 | .1 | 2.4 | 1.4 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 39 | 39 | 31 | 22 | |
| 7/ 23 | .1 | 1.6 | .1 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 26 | 26 | 60 | 35 | |
| 7/ 21 | | 1.2 | .2 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 22 | 31 | 37 | |
| 7/ 19 | .4 | 1.2 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 26 | 26 | 54 | |
| 7/ 17 | | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 12 | 13 | 24 | 41 | |
| 7/ 15 | | .1 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 4 | 17 | 44 | |
| 7/ 13 | | .4 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 6 | 5 | 42 | |
| 7/ 11 | | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 37 | |
| 7/ 9 | | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 1 | 13 | |
| 7/ 7 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 14 | |
| Element (X) | Σx^2 | Σx | \bar{x} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | $\leq 0 F$ | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ | Total | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CENTRAL CLIMATOLOGY BRANCH
 WLTAC
 AIR WEATHER SERVICE ZNAC

PSYCHROMETRIC SUMMARY

723409 GLENNVILLE AFB AR 73-82 08N
 STATION STATION NAME YEARS MONTH
 1966-1967
 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | |
| / | | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 17 | | | | | | | | | | | |
| / -1 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| / - | | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | |
| - / -3 | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | |
| - / -6 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| - / -7 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| - / -9 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| - / -15 | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| TOT. | 7. | 27. | 32. | 52. | 1. | 17. | 4. | 8. | 1. | 2. | .4 | .1 | .1 | | | | | 930 | | | 970 | | | | | | | | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | s_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 2503.52 | 607.32 | 65.416 | 6.59 | 93 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | 154275 | 36037 | 389.12 | 902 | 930 | | 33.0 | 1.1 | | | | 93 |
| Wet Bulb | 105661 | 32337 | 348.11 | 83 | 930 | | 40.9 | | | | | 93 |
| Dew Point | 89240 | 25430 | 275.14 | 273 | 930 | 2.4 | 60.0 | | | | | 93 |

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CENTRAL CLIMATOLOGY BRANCH
 WASHINGTON, D. C.
 AIR WEATHER SERVICE/AFAC

PSYCHROMETRIC SUMMARY

123456 STATION 73-67 YEARS JAN. MONTH
 STATION NAME STATION NUMBER
 PAGE 1 1000-2000 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 | | | | | | | | | | | | | | |
| / -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - / -2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - / -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / -4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / -11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -1 / -17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 1 | 4 | 5 | 3 | 4 | 7 | 11 | 4 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 93 | 93 | 93 | 93 | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | ΣX^2 | ΣX | \bar{X} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|--------------|------------|-----------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 1106.1 | 676.9 | 72.9 | 14.16 | 93 | = 0 F | = 32 F | = 67 F | = 73 F | = 80 F | = 93 F | Total |
| Dry Bulb | 1421.14 | 732.4 | 35.7 | 11.973 | 93 | | 39.1 | 0.3 | | | | 93 |
| Wet Bulb | 11313.0 | 505.22 | 32.9 | 11.496 | 93 | | 0.1 | 47.2 | | | | 93 |
| Dew Point | 3758.3 | 255.67 | 27.5 | 13.683 | 93 | 2.7 | 62.0 | | | | | 93 |

2
 FEDERAL BUREAU OF SURVEILLANCE
 STATION
 WEATHER SERVICE/MAAC

PSYCHROMETRIC SUMMARY

STATION: WATHEWILL AFB YEARS: 73-74 MONTH: 1
 DATE: 1-1-74 HOURS: 24

| 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 | | | | | | | | | | | | | | | | | | |
| 67 | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | | 1.2 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | | .2 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | | .2 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | .1 | 1.1 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | .1 | .1 | .1 | .4 | | .4 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | 1.2 | .4 | .4 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | .1 | 1.5 | 1.7 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | .1 | 1.8 | 1.8 | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | .4 | 1.5 | .7 | .8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | 2.0 | 1.2 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | .5 | 3.1 | 2.7 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | .1 | 3.2 | 1.5 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | .5 | 7.7 | 2.8 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | 3.1 | 1.3 | 4.4 | 1.4 | .5 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | 1.7 | 2.8 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | .2 | 4.3 | 1.4 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | 3.0 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | .4 | 3.4 | 1.7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | .3 | 2.8 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | 3.4 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | .1 | 2.7 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | 1.2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | .3 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | .1 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | .1 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | .5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | ΣX | ΣX^2 | \bar{X} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|------------|--------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|--|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≥ 93 F | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26.5 (OLA) REVISÉ PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE
 AIR FORCE RESEARCH
 AND DEVELOPMENT COMMAND

PSYCHROMETRIC SUMMARY

STATION: LYNCHVILLE AFB A STATION NAME: 73-15 YEARS: 1950-51

MONTH: 1
 HOURS: 15

| 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 | | | | | | | | | | | | | | | | |
| -7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26.5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | ΣX^2 | ΣX | \bar{X} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 544.4 | 702.4 | 70.24 | 13.06 | 93 | = 0 F | = 32 F | = 67 F | = 73 F | = 80 F | = 93 F | Total |
| Dry Bulb | 1174.34 | 314.6 | 33.81 | 11.16 | 93 | | 42.4 | | | | | 42.4 |
| Wet Bulb | 1041.7 | 257.7 | 27.71 | 11.94 | 93 | | 62.6 | | | | | 62.6 |
| Dew Point | 229.5 | 247.6 | 26.61 | 13.07 | 93 | | 63.3 | | | | | 63.3 |

PSYCHROMETRIC SUMMARY

2

STATION: ...
 STATION NAME: ...
 YEARS: ...

STATION: ... STATION NAME: ... YEARS: ... HOURS: ...

| Temp °F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | |
| ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Element (X) | Z _x ² | Z _x | X̄ | s _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAETAC FORM 0 26 5 (OLA) REVISION 10-64

PSYCHROMETRIC SUMMARY

1. ALBANY, N.Y. (1941-1950)
 2. 1140
 3. W. W. W. W.

STATION ESTABLISHED 1941
 STATION NAME
 YEARS 10
 MONTHS
 HOURS

| 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 | 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 | 74 | 15 | 15 | 15 | 15 | | | | | | |
| 9 | 1 | 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 | 74 | 15 | 15 | 15 | 15 | | | | | | |
| 8 | 1 | 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 | 74 | 15 | 15 | 15 | 15 | | | | | | |
| 7 | 1 | 1 | 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 | 74 | 15 | 15 | 15 | 15 | | | | | |
| 6 | 1 | 1 | 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 | 74 | 15 | 15 | 15 | 15 | | | | | |
| 5 | 1 | 1 | 1 | 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 | 74 | 15 | 15 | 15 | 15 | | | | |
| 4 | 1 | 1 | 1 | 1 | 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 | 74 | 15 | 15 | 15 | 15 | | | |
| 3 | 1 | 1 | 1 | 1 | 1 | 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 | 74 | 15 | 15 | 15 | 15 | | |
| 2 | 1 | 1 | 1 | 1 | 1 | 1 | 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 | 74 | 15 | 15 | 15 | 15 | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 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 | 74 | 15 | 15 | 15 | 15 |

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-----|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Rel Hum | 1124.52 | 743.25 | 73.115 | 21.7 | 743 | 0 | 337 | 67 | 73 | 80 | 93 | 744 |
| Dry Bulb | 127077 | 7125 | 34.22 | 22.4 | 743 | 3 | 337 | 7 | 5 | 1 | | 744 |
| Wet Bulb | 9062 | 2612 | 31.11 | 12.2 | 743 | 3 | 430 | 1 | | | | 744 |
| Dew Point | 6763.4 | 1761.4 | 23.814 | 12.2 | 743 | 3 | 594 | | | | | 744 |

USAFETAC FORM 0-265 (OLA) RE-100 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

FEDERAL BUREAU OF SURVEY
 NATIONAL METEOROLOGICAL SERVICE
 METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

STATION OLYMPIA, WASH. STATION NAME OLYMPIA, WASH. YEARS 1951 MONTH FEB
 PAGE 1 OF 1 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 | | | | | | | | | | | | | | |
| 47-52 | | .0 | | | | | | | | | | | | | | | | | 7 | 7 | 1 | | | | | | | | | | | | | | |
| 47-51 | | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47-50 | | .0 | .0 | .1 | | | | | | | | | | | | | | | 1 | 17 | 0 | 0 | | | | | | | | | | | | | |
| 47-49 | | .0 | .0 | .0 | .1 | | | | | | | | | | | | | | 10 | 10 | 11 | 0 | | | | | | | | | | | | | |
| 47-48 | .0 | .0 | .0 | .0 | .0 | .0 | | | | | | | | | | | | | 15 | 15 | 15 | 17 | | | | | | | | | | | | | |
| 47-47 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | | | | | | | | | | 20 | 20 | 20 | 21 | | | | | | | | | | | | | |
| 47-46 | .0 | .0 | 1.3 | .0 | .0 | | | | | | | | | | | | | | 27 | 27 | 10 | 11 | | | | | | | | | | | | | |
| 47-45 | .0 | .0 | .0 | .0 | .0 | .0 | | | | | | | | | | | | | 23 | 23 | 16 | 17 | | | | | | | | | | | | | |
| 47-44 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | | | | | | | | | | 25 | 25 | 17 | 17 | | | | | | | | | | | | | |
| 47-43 | .0 | .0 | 1.7 | .0 | 1.1 | | | | | | | | | | | | | | 45 | 45 | 31 | 31 | | | | | | | | | | | | | |
| 47-42 | .0 | .0 | 1.0 | 1.2 | .0 | | | | | | | | | | | | | | 1 | 51 | 45 | 23 | | | | | | | | | | | | | |
| 47-41 | .0 | .0 | 1.0 | 1.2 | .0 | | | | | | | | | | | | | | 43 | 46 | 31 | 34 | | | | | | | | | | | | | |
| 47-40 | .0 | .0 | 2.0 | 2.0 | .5 | .0 | | | | | | | | | | | | | 45 | 49 | 44 | 41 | | | | | | | | | | | | | |
| 47-39 | .0 | .0 | 1.0 | 2.0 | .0 | | | | | | | | | | | | | | 42 | 42 | 43 | 42 | | | | | | | | | | | | | |
| 47-38 | .0 | .0 | 1.0 | 1.5 | .1 | | | | | | | | | | | | | | 42 | 42 | 38 | 40 | | | | | | | | | | | | | |
| 47-37 | .0 | .0 | 6.7 | 2.0 | .0 | | | | | | | | | | | | | | 2 | 2 | 1 | 74 | | | | | | | | | | | | | |
| 47-36 | .0 | .0 | 4.1 | 2.0 | | | | | | | | | | | | | | | 13 | 53 | 74 | 40 | | | | | | | | | | | | | |
| 47-35 | .0 | .0 | 4.4 | .0 | | | | | | | | | | | | | | | 48 | 46 | 40 | 39 | | | | | | | | | | | | | |
| 47-34 | .0 | .0 | 5.2 | .0 | | | | | | | | | | | | | | | 45 | 49 | 4 | 4 | | | | | | | | | | | | | |
| 47-33 | .0 | .0 | 1.0 | .1 | | | | | | | | | | | | | | | 17 | 15 | 71 | 35 | | | | | | | | | | | | | |
| 47-32 | .0 | .0 | 2.1 | .0 | | | | | | | | | | | | | | | 28 | 28 | 28 | 45 | | | | | | | | | | | | | |
| 47-31 | 1.0 | 3.1 | .0 | | | | | | | | | | | | | | | | 39 | 27 | 31 | 0 | | | | | | | | | | | | | |
| 47-30 | .0 | 1.0 | .1 | | | | | | | | | | | | | | | | 27 | 27 | 27 | 41 | | | | | | | | | | | | | |
| 47-29 | .0 | 1.0 | | | | | | | | | | | | | | | | | 15 | 15 | 25 | 27 | | | | | | | | | | | | | |
| 47-28 | .0 | 1.0 | .1 | | | | | | | | | | | | | | | | 14 | 14 | 13 | 14 | | | | | | | | | | | | | |
| 47-27 | .0 | .0 | .1 | | | | | | | | | | | | | | | | 2 | 2 | 13 | 17 | | | | | | | | | | | | | |
| 47-26 | .0 | .0 | .0 | | | | | | | | | | | | | | | | 2 | 2 | 7 | 17 | | | | | | | | | | | | | |
| 47-25 | .0 | .0 | .0 | | | | | | | | | | | | | | | | 2 | 2 | 4 | 3 | | | | | | | | | | | | | |
| 47-24 | .0 | .0 | .0 | | | | | | | | | | | | | | | | 2 | 2 | 2 | 7 | | | | | | | | | | | | | |
| 47-23 | .0 | .1 | .0 | | | | | | | | | | | | | | | | 1 | 1 | 1 | 4 | | | | | | | | | | | | | |

USAFETAC FORM 3-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
 AFATAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION WYTHEVILLE AFB A YEARS 73-87 MONTH FEB
 STATION NAME WYTHEVILLE AFB A MONTH FEB
 HOURS 00-08.00
HOURS C.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 | | | | | | | | | | | | | | |
| -7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 8 | 59 | 52 | 45 | 30 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | Z _x ' | Z _x | X | C _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|------------------|----------------|-----|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 123104 | 66132 | 7.3 | 11.2 | 845 | | | | | | | |
| Dry Bulb | 1157214 | 20578 | 35. | 17.17 | 845 | .1 | 39.1 | | | | | 44 |
| Wet Bulb | 102234 | 27730 | 32. | 11.592 | 845 | .1 | 44.5 | | | | | 44 |
| Dew Point | 38940 | 24272 | 25. | 7.12 | 845 | .1 | 54.9 | | | | | 44 |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
METEOROLOGICAL SERVICE/AFAC

PSYCHROMETRIC SUMMARY

STATION: PLYTHEVILLE AFB A YEARS: 73-80 MONTH: FE
 PAGE: 1 HOURS (L.S.T.): 0-1100

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | | | | | |
| / | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | |
| / -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - / -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - / -2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - / -3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tot | | 4 | 26 | 62 | 41 | 5 | 7 | 9 | 4 | 4 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | 246 | | 46 | 46 | |

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Rel. Hum. | 4334022 | 5961 | 71.5 | 14.750 | 846 | | | | | | | |
| Dry Bulb | 1475277 | 33579 | 39.7 | 12.986 | 846 | | 28.9 | 1.7 | | | | 4 |
| Wet Bulb | 1215251 | 29537 | 36.1 | 11.885 | 846 | | 35.2 | | | | | 4 |
| Dew Point | 430552 | 25670 | 30.3 | 13.397 | 846 | 6 | 49.1 | | | | | 4 |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

U.S. AIR FORCE
 CLIMATE BRANCH
 WASHINGTON, D.C.
 AIR FORCE WEATHER SERVICE/AFAC

PSYCHROMETRIC SUMMARY

STATION: PLYTHEVILLE AFB 5 YEARS: 73-87 MONTH: 12
STATION NAME YEARS MONTH HOURS (U.S. ST.)

| 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 | | | | | | | | | | | | | | |
| / | | .1 | | | | | | | | | | | | | | | | | 1 | 1 | | 1 | | | | | | | | | | | | | |
| / | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| / | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| REL | .2 | .21 | .314 | .311 | .1 | .3 | .3 | .3 | 1.2 | .1 | .1 | .1 | | | | | | | 46 | | 45 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | 43 | | 43 | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JAN 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | Z _x ' | Z _x | X | σ _x | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|------------------|----------------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|----|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Rel. Hum. | 3106201 | 545.7 | 64.5 | 17.218 | 845 | | | | | | | |
| Dry Bulb | 177156 | 37.70 | 43.2 | 3.59 | 845 | | 27.5 | 0.2 | 1.4 | | | 34 |
| Wet Bulb | 133727 | 32.82 | 30.3 | 2.46 | 845 | | 29.5 | 0.1 | | | | 34 |
| Dew Point | 598526 | 26779 | 31.7 | 3.51 | 845 | | 46.9 | | | | | 34 |

2

FEDERAL BUREAU OF SURVEY
 NATIONAL CLIMATOLOGICAL SERVICE
 WASHINGTON, D. C.

PSYCHROMETRIC SUMMARY

STATION: LYTHEVILLE AFB AR YEARS: 75-77
 MONTH: 15 HOURS: 0-17

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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. Wet Bulb | Dry Bulb Dew Point | | | | | | | | | | | | | | |
| 17.11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16.92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15.01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14.51 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) RE-110 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 33201 | 3707 | 63.117 | 5.25 | 546 | | | | | | | |
| Dry Bulb | 13157 | 3707 | 47.113 | 5.4 | 546 | | 17.0 | 6.1 | 1.4 | | | 24 |
| Wet Bulb | 144517 | 3707 | 36.411 | 7.90 | 546 | | 27.0 | | | | | 24 |
| Dew Point | 101201 | 2707 | 32.113 | 1.14 | 546 | 1 | 45.9 | | | | | 46 |

2

PSYCHROMETRIC SUMMARY

WEATHER STATION
 ITC
 STATION

STATION NAME: THE VILLAGE AFB 75-0
 YEARS: MONTH: HOURS:

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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. | Dew Point | | |
| | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4.0 | 4.1 | 4.2 | 4.3 | 4.4 | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element | Σx^2 | Σx | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | |
|-----------|--------------|------------|-----------|-------|----------|------------------------------------|------|------|------|------|------|
| Rel. Hum | 4847 | 124 | 71.14 | 27 | 45 | 0 F | 32 F | 67 F | 73 F | 80 F | 93 F |
| Dry Bulb | 1544 | 347 | 11.12 | 4.2 | 45 | | | | 1.1 | | |
| Wet Bulb | 137 | 71 | 11.51 | 3.8 | 45 | | | 1.1 | | | |
| Dew Point | 104 | 71 | 11.12 | 4.2 | 45 | | | 1.1 | | | |

USAFETAC FORM NO 88 0 26 5 (OL A) 8-58 USE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

STATION: DETRICKVILLE AFB, ALA STATION NAME: DETRICKVILLE AFB YEARS: 1953-54 MONTH: 12
 HOURS: 31

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Σ x' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Σ x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| % A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. Obs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 026-5 (OL A) 1-54
 JUL 64
 PREPARED BY: [unreadable]

2

U.S. DEPARTMENT OF AGRICULTURE
 WEATHER SERVICE

PSYCHROMETRIC SUMMARY

STATION NAME: LYNCHBURG, VA YEARS: 1954 MONTH: APR

HOURS: 414

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Σ X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| \bar{X} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| σ_x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. Obs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 0 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 32 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 67 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 73 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 80 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 93 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM NO. 0 26 5 (OL A) REVID PREVIOUS EDITIONS OF THIS PUBLICATION

2

AFSC 33-0000-01-01
 WEATHER SERVICE/1AC

PSYCHROMETRIC SUMMARY

STATION: LYNNEVILLE AFB YEARS: 73-80 MONTH: 8
STATION NAME YEARS MONTH

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 44.1.8 | 701.2 | 75.41 | 2.229 | 930 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Dry Bulb | 228.5.6 | 445.28 | 47.82 | 3.4 | 930 | | | | | | | |
| Wet Bulb | 1:45.27 | 415.27 | 44.57 | 3.14 | 930 | | | | | | | |
| Dew Point | 1.45.50 | 37.44 | 4.01 | 4.40 | 930 | | | | | | | |

USAFETAC FORM 0-26-5 (OLA) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U.S. AIR FORCE
 CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 WEATHER SERVICE/MAO

PSYCHROMETRIC SUMMARY

STATION: WYTHEVILLE AFB A YEARS: 73-80 MONTH: MAY
 STATION NAME: _____ YEARS: _____ MONTH: _____
 DATE: _____ HOURS: _____

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | |
| 1 | 1 | 3 | 3 | 4 | 5 | 5 | 6 | 8 | 8 | 7 | 9 | 9 | 9 | | | | | | | | | | | | | | | | | | | | | | | | 1 | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | = 0 F | = 32 F | = 67 F | = 73 F | = 80 F | = 93 F | |
| Rel. Hum. | 5841.77 | 7148.5 | 76.212 | 4.51 | 93 | | | | | | | 93 |
| Dry Bulb | 21150.6 | 4325.6 | 46.51 | 5.37 | 93 | | 7.5 | 1.0 | | | | 9.3 |
| Wet Bulb | 1458.4 | 422.4 | 4.53 | 1.27 | 93 | | 13.2 | .1 | | | | 14.3 |
| Dew Point | 17.392 | 366.24 | 39.41 | 1.25 | 93 | | 29.4 | | | | | 29.4 |

USAFETAC FORM 0-26-5 (OL A) REVID PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JOINT MILITARY WEATHER SERVICE
STATION SERVICE ZONE

PSYCHROMETRIC SUMMARY

1974
STATION: WYTHEVILLE AFB A YEARS: 73-74
MONTH: MAY
PAGE 1 HOURS (L.S.T.): 168

| 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 | | | | | | | | | | | | | | | | | | |
| 67-77 | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | | | 1 | 1 | | | | | |
| 67-71 | | | | .1 | .1 | | .1 | | | | | | | | | | | | | | | | | | | | | | 3 | 1 | | | | | |
| 67-69 | | | | .1 | .1 | | .1 | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | | | | | |
| 67-67 | | | | .1 | .1 | | .1 | | | | | | | | | | | | | | | | | | | | | | 16 | 16 | | | | | |
| 67-65 | | | | .1 | .1 | .1 | .1 | | .1 | | | .1 | | | | | | | | | | | | | | | | | 14 | 14 | 16 | 6 | | | |
| 67-63 | .1 | 1.1 | | .1 | .1 | .1 | .1 | | | .1 | | | | | | | | | | | | | | | | | | | 27 | 27 | 19 | 7 | | | |
| 67-61 | .4 | 1.5 | | .1 | .1 | .1 | .1 | | | .1 | .1 | | | | | | | | | | | | | | | | | | 37 | 37 | 17 | 14 | | | |
| 67-59 | .1 | 2.1 | 1.3 | 1.3 | .1 | .1 | .1 | | | .1 | .1 | | | | | | | | | | | | | | | | | | 46 | 46 | 19 | 16 | | | |
| 67-57 | .4 | 1.7 | 1.3 | 1.3 | .1 | .1 | .1 | .1 | | .1 | .1 | | | | | | | | | | | | | | | | | | 44 | 44 | 19 | 16 | | | |
| 67-55 | .1 | 1.3 | 1.3 | 1.3 | .1 | .1 | .1 | .1 | | .1 | .1 | | | | | | | | | | | | | | | | | | 46 | 46 | 17 | 14 | | | |
| 67-53 | .1 | 2.7 | 1.3 | 1.3 | .1 | .1 | .1 | .1 | | .1 | .1 | | | | | | | | | | | | | | | | | | 41 | 41 | 13 | 10 | | | |
| 67-51 | .1 | 2.7 | 1.3 | 1.3 | .1 | .1 | .1 | .1 | | .1 | .1 | | | | | | | | | | | | | | | | | | 41 | 41 | 13 | 10 | | | |
| 67-49 | .1 | 2.7 | 1.3 | 1.3 | .1 | .1 | .1 | .1 | | .1 | .1 | | | | | | | | | | | | | | | | | | 41 | 41 | 13 | 10 | | | |
| 67-47 | .1 | 2.7 | 1.3 | 1.3 | .1 | .1 | .1 | .1 | | .1 | .1 | | | | | | | | | | | | | | | | | | 41 | 41 | 13 | 10 | | | |
| 67-45 | .1 | 1.7 | 1.7 | 1.7 | .1 | .1 | .1 | .1 | | .1 | .1 | | | | | | | | | | | | | | | | | | 47 | 47 | 12 | 9 | | | |
| 67-43 | .1 | 1.7 | 1.7 | 1.7 | .1 | .1 | .1 | .1 | | .1 | .1 | | | | | | | | | | | | | | | | | | 47 | 47 | 12 | 9 | | | |
| 67-41 | .1 | 1.3 | 1.3 | 1.3 | .1 | .1 | .1 | .1 | | .1 | .1 | | | | | | | | | | | | | | | | | | 47 | 47 | 12 | 9 | | | |
| 67-39 | .1 | 1.3 | 1.3 | 1.3 | .1 | .1 | .1 | .1 | | .1 | .1 | | | | | | | | | | | | | | | | | | 47 | 47 | 12 | 9 | | | |
| 67-37 | .1 | 3.3 | 2.1 | 2.1 | .1 | .1 | .1 | .1 | | .1 | .1 | | | | | | | | | | | | | | | | | | 67 | 67 | 26 | 21 | | | |
| 67-35 | .1 | 3.3 | 2.1 | 2.1 | .1 | .1 | .1 | .1 | | .1 | .1 | | | | | | | | | | | | | | | | | | 67 | 67 | 26 | 21 | | | |
| 67-33 | .1 | 3.3 | 2.1 | 2.1 | .1 | .1 | .1 | .1 | | .1 | .1 | | | | | | | | | | | | | | | | | | 67 | 67 | 26 | 21 | | | |
| 67-31 | .1 | 3.1 | 1.7 | 1.7 | .1 | .1 | .1 | .1 | | .1 | .1 | | | | | | | | | | | | | | | | | | 47 | 47 | 19 | 16 | | | |
| 67-29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67-27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67-25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67-23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67-19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67-17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67-15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67-13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67-11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67-9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67-7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | Z _H | Z _X | I | e _n | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|----------------|----------------|---|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2
11
63

U.S. AIR FORCE
CLIMATE DIVISION
METEOROLOGICAL SERVICE, AFAC

PSYCHROMETRIC SUMMARY

STATION LYNCHVILLE AFB STATION NAME 73-80 YEARS 1954 MONTH 1954

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | 24 | 57 | 205 | 715 | 91 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | | | | | | | | | | | | |

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|----|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Rel. Hum. | 562726 | 73008 | 70.302 | 225 | 920 | 0 | 32 | 67 | 73 | 80 | 93 | 10 |
| Dry Bulb | 2120021 | 43240 | 46.60 | 703 | 920 | 7 | 25 | 1 | | | | 10 |
| Wet Bulb | 143096 | 40210 | 43.39 | 492 | 920 | 14 | 2 | | | | | 10 |
| Dew Point | 156211 | 37405 | 39.70 | 270 | 920 | 31 | 3 | | | | | 10 |

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LOCAL CLIMATE OFFICE BRANCH
METAC
METEOROLOGICAL SERVICE DIVISION

PSYCHROMETRIC SUMMARY

STATION: WYTHEVILLE AFB A YEARS: 73-81 MONTH: JAN - 11
STATION NAME: HOURS: 24.0

| 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 | | | | | | | | | | | | | | |
| / 77 | | | | | | | | | | | | .1 | | | | | | 1 | | 1 | | | | | | | | | | | | | | | |
| / 77 | | | | | .1 | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | |
| / 77 | | | .1 | | .2 | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | |
| / 74 | | | .3 | | .4 | | | | | | | .1 | | | | | | 15 | 18 | 7 | | | | | | | | | | | | | | | |
| / 69 | | | .4 | | .4 | | | | .2 | | .7 | | | | | | | 19 | 19 | 7 | | | | | | | | | | | | | | | |
| / 67 | | | .5 | | .3 | | | | .4 | | .1 | | | | | | | 27 | 27 | 11 | | | | | | | | | | | | | | | |
| / 65 | | .2 | | .3 | | | | | .4 | | | | | | | | | 34 | 44 | 17 | 17 | | | | | | | | | | | | | | |
| 67 62 | | .9 | 1.1 | 1.0 | | .4 | | | .3 | | .2 | | | | | | | 53 | 53 | 17 | 17 | | | | | | | | | | | | | | |
| 67 62 | | 1.0 | 1.3 | 1.0 | | .7 | | | .5 | | .2 | | | | | | | 53 | 53 | 17 | 17 | | | | | | | | | | | | | | |
| 67 61 | | .3 | 1.4 | 1.1 | | .7 | | | .3 | 1.0 | | .2 | | | | | | 48 | 48 | 20 | 22 | | | | | | | | | | | | | | |
| / 67 | .3 | 1.1 | .7 | 1.1 | 1.1 | 1.1 | | | .1 | | | | | | | | | 46 | 46 | 5 | 20 | | | | | | | | | | | | | | |
| / 67 | .1 | 1.0 | .7 | .7 | | .3 | | | .4 | | .1 | | | | | | | 46 | 45 | 3 | 31 | | | | | | | | | | | | | | |
| / 65 | .2 | .5 | .6 | 1.3 | 1.3 | .6 | .6 | | .1 | | | | | | | | | 53 | 53 | 47 | 26 | | | | | | | | | | | | | | |
| 67 51 | .2 | 1.1 | 1.0 | 1.2 | | .9 | .7 | | | | | | | | | | | 41 | 41 | 46 | 44 | | | | | | | | | | | | | | |
| 67 51 | .1 | 1.2 | 1.0 | 1.0 | | .9 | | | | | | | | | | | | 71 | 71 | 56 | 47 | | | | | | | | | | | | | | |
| / 48 | .1 | .6 | 1.5 | 1.5 | 1.5 | .6 | .1 | | | | | | | | | | | 35 | 35 | 36 | 41 | | | | | | | | | | | | | | |
| / 47 | .1 | 1.3 | .4 | 1.5 | 1.5 | .4 | | | | | | | | | | | | 33 | 33 | 36 | 32 | | | | | | | | | | | | | | |
| / 44 | | 1.3 | 1.3 | 1.6 | 1.5 | .3 | | | | | | | | | | | | 32 | 31 | 28 | 45 | | | | | | | | | | | | | | |
| 47 47 | | .5 | 1.7 | 1.7 | 1.7 | .1 | | | | | | | | | | | | 34 | 34 | 30 | 47 | | | | | | | | | | | | | | |
| / 41 | | .5 | 2.5 | 2.5 | .5 | | | | | | | | | | | | | 31 | 31 | 4 | 21 | | | | | | | | | | | | | | |
| 2 41 | | .4 | 1.4 | 1.4 | | | | | | | | | | | | | | 22 | 22 | 26 | 15 | | | | | | | | | | | | | | |
| / 37 | | .3 | 1.1 | 1.1 | | | | | | | | | | | | | | 23 | 23 | 13 | 14 | | | | | | | | | | | | | | |
| / 37 | | .3 | | .3 | | | | | | | | | | | | | | 17 | 15 | 10 | 10 | | | | | | | | | | | | | | |
| / 35 | | .3 | | .5 | | | | | | | | | | | | | | 21 | 21 | 25 | 48 | | | | | | | | | | | | | | |
| / 31 | .4 | 1.5 | .4 | .2 | | | | | | | | | | | | | | 19 | 15 | 29 | 37 | | | | | | | | | | | | | | |
| / 31 | | .2 | .3 | .2 | | | | | | | | | | | | | | 7 | 7 | 17 | 61 | | | | | | | | | | | | | | |
| / 31 | | .1 | .3 | .2 | | | | | | | | | | | | | | 3 | 3 | 16 | 33 | | | | | | | | | | | | | | |
| / 29 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 5 | 41 | | | | | | | | | | | | | | |
| / 27 | | | | | | | | | | | | | | | | | | | | 3 | 17 | | | | | | | | | | | | | | |
| / 21 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 17 | 17 | | | | | | | | | | | | | | |
| / 11 | | .7 | .3 | | | | | | | | | | | | | | | 4 | 4 | 1 | 15 | | | | | | | | | | | | | | |
| / 17 | | .6 | | | | | | | | | | | | | | | | 4 | 4 | 6 | 11 | | | | | | | | | | | | | | |
| / 11 | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | |
| / 13 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| Element (X) | Z _X | Z _X | X | a _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 94 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH
 METEOROLOGICAL SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION LYTLEVILLE AFB AR YEARS 1950 MONTH 11
STATION NAME YEARS MONTH
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|-------|
| Rel. Hum. | 4538.4 | 41.26 | 46.51 | 22 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Dry Bulb | 25449 | 485.7 | 52.11 | 23 | | 3 | 5 | 2 | | | |
| Wet Bulb | 21347 | 435.4 | 46.31 | 25 | | 7 | 6 | 2 | | | |
| Dew Point | 14293 | 37.03 | 40.61 | 24 | | 2 | 4 | 1 | | | |

USAFETAC FORM 0-26.5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

U.S. AIR FORCE
 U.S. AIR FORCE
 U.S. AIR FORCE

STATION: CRYSTALVILLE AFB A YEARS: 73-80
 DATE: _____ MONTH: _____
 HOURS (L.S.): _____

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | $\Sigma X'$ | ΣX | \bar{X} | σ_s | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|-------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 1583 | 6327 | 72.013 | 7.7 | 25 | | | | | | | |
| Dry Bulb | 246544 | 4203 | 5.417 | 375 | 93 | | | | | | | |
| Wet Bulb | 4911 | 4307 | 48.39 | 27 | 930 | | | | | | | |
| Dew Point | 173874 | 33212 | 41.711 | 336 | 930 | | | | | | | |

USAFETAC FORM 8-64 0.26 5 (OL A) REPRODUCED BY THE AIR FORCE ENGINEERING CENTER

2

U.S. AIR FORCE CLIMATE DIVISION
 METAC
 WEATHER SERVICE/AFAC

PSYCHROMETRIC SUMMARY

STATION: CLYDEVILLE AFB GA YEARS: 1946 MONTH: ALL
STATION NAME HOURS (L. S. T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | | | | | | | | |
| 1 / 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 / 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | Σx^2 | Σx | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-----|
| | | | | | | $\leq 0 F$ | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ | |
| Rel. Hum. | 2723394 | 514664 | 68.016242 | | 7435 | | | | | | | |
| Dry Bulb | 2032236 | 392821 | 51.511679 | | 7435 | | | | | | | 744 |
| Wet Bulb | 1076631 | 345073 | 46.511679 | | 7435 | | | | | | | 744 |
| Dew Point | 1100161 | 304927 | 48.612634 | | 7435 | | | | | | | 744 |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 MAR 64

2

U.S. AIR FORCE
CLIMATE DIVISION
METEOROLOGICAL SERVICE CENTER

PSYCHROMETRIC SUMMARY

STATION: TRINITYVILLE AFB, ALA YEARS: 33-37 MONTH: APR

PAGE: 1
HOURS (L. S. T.): 990

| 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 | | | |
| 71 | | | | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | |
| 72 | | | | 1.2 | .1 | | | | .4 | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 32 | 2 | | | |
| 73 | | | 1.3 | 1.1 | 2.3 | 1.1 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 0 | 63 | 17 | | | |
| 74 | | .7 | 1.4 | 2.2 | 1.2 | 1.3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 63 | 16 | 14 | | | |
| 75 | | | 3.7 | 1.3 | 1.2 | .4 | .6 | | | | | | | | | | | | | | | | | | | | | | | | | | 67 | 67 | 63 | 51 | | | |
| 76 | | .4 | 3.4 | 1.8 | 1.1 | .4 | .7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | 71 | 71 | 66 | 53 | | | |
| 77 | | | 1.1 | 2.3 | .1 | .7 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | 49 | 67 | 58 | | | |
| 78 | | | 1.2 | 1.4 | 1.8 | .1 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | 14 | 4 | 49 | 59 | | | |
| 79 | | | 1.1 | 2.2 | 2.2 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 45 | 49 | 38 | | | |
| 80 | | .1 | 1.1 | 2.6 | 2.4 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 42 | 42 | 59 | 53 | | | |
| 81 | | .2 | 2.7 | 2.2 | 2.3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 29 | 29 | 62 | 58 | | | |
| 82 | | | 1.3 | 2.4 | 2.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 27 | 31 | 24 | | | |
| 83 | | | .2 | .9 | 2.1 | 1.3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | 42 | 42 | 18 | 41 | | | |
| 84 | | .1 | 1.7 | 1.7 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 37 | 79 | 66 | | | |
| 85 | | .1 | 1.2 | 2.2 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 54 | 44 | 24 | 27 | | | |
| 86 | | .1 | 1.7 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | 27 | 47 | 84 | | | |
| 87 | | .1 | 1.1 | 1.1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 22 | 37 | 61 | | | |
| 88 | | .7 | 1.2 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 19 | 19 | 23 | 41 | | | |
| 89 | | .5 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | 12 | 43 | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 14 | 19 | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 7 | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 6 | 6 | |
| TOTAL | | | | 2.22 | 2.35 | 1.25 | 2.14 | 3.4 | | | | | | | | | | | | | | | | | | | | | | | | | 990 | 990 | | 990 | | | |

USAFETAC FORM 0-26-5 (OLA) 201 54
REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | Σx^2 | Σx | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|--------------|------------|-----------|--------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| Rel. Hum. | 5227.45 | 67765 | 75.31 | 11.621 | 700 | $\leq 0 F$ | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ | Total |
| Dry Bulb | 2635164 | 43493 | 57.9 | 8.935 | 900 | | | 6.1 | | | | 900 |
| Wet Bulb | 230332 | 4421 | 49.9 | 9.563 | 900 | | | 1.4 | 2 | | | 900 |
| Dew Point | 186427 | 41225 | 46.4 | 9.655 | 900 | | | 7.3 | | | | 900 |

2

ALPHATHALUSY BRANCH
 STATION
 STATION NAME

PSYCHROMETRIC SUMMARY

STATION LYTLEVILLE AFB YEARS 73-80 MONTH ALL

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Σ X' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Σ X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X̄ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| s _x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. Obs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 0 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 32 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 67 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 73 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 80 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 93 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVID PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

CENTRAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAJ

2

STATION WYTHEVILLE AFB A YEARS 73-87 MONTH 0-11
STATION NAME 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 | | | | | | | | | | | | | | |
| 11 | . | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISIONS (EDITIONS) OF THIS FORM ARE OBSOLETE

| Element (X) | $\Sigma X'$ | ΣX | \bar{X} | σ^2 | No. Obs. | Mean No. of H-urs with Temperature | | | | | Total | |
|-------------|-------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|--|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Rel. Hum. | 3.26092 | 4.30 | 0.15741 | | 900 | | | | | | | |
| Dry Bulb | 7.14711 | 5.08 | 62.7 | 9.420 | 900 | | | 57.6 | 14.4 | 2.0 | | |
| Wet Bulb | 7.75227 | 4.942 | 54.2 | 3.413 | 900 | | | 4.4 | 5.6 | | | |
| Dew Point | 1.73223 | 4.3016 | 4.8 | 0.445 | 900 | | 6.5 | 0.8 | 0.1 | | | |

12

PSYCHROMETRIC SUMMARY

STATION NAME: [Illegible]
 STATE: [Illegible]

STATION: [Illegible] STATE: [Illegible] YEARS: [Illegible] HOURS: [Illegible]

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Σ X ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Σ X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X̄ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| s _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) RE-STATE MENT OF THIS FORM IS THE AIR FORCE

2

ADMINISTRATIVE REPORT
 TITLE
 DATE OF SUBMISSION

PSYCHROMETRIC SUMMARY

STATION WYNTHROVILLE AFB STATION NAME 77-3 YEARS MONTH HOURS

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | .1 | .4 | .7 | 1.0 | 1.3 | 1.6 | 1.9 | 2.2 | 2.5 | 2.8 | 3.1 | 3.4 | 3.7 | 4.0 | 4.3 | 4.6 | 4.9 | 5.2 | 5.5 | 5.8 | 6.1 | 6.4 | 6.7 | 7.0 | 7.3 | 7.6 | 7.9 | 8.2 | 8.5 | 8.8 | 9.1 | 9.4 | 9.7 | 10.0 | 10.3 | 10.6 | 10.9 | 11.2 | 11.5 | 11.8 | 12.1 | 12.4 | 12.7 | 13.0 | 13.3 | 13.6 | 13.9 | 14.2 | 14.5 | 14.8 | 15.1 | 15.4 | 15.7 | 16.0 | 16.3 | 16.6 | 16.9 | 17.2 | 17.5 | 17.8 | 18.1 | 18.4 | 18.7 | 19.0 | 19.3 | 19.6 | 19.9 | 20.2 | 20.5 | 20.8 | 21.1 | 21.4 | 21.7 | 22.0 | 22.3 | 22.6 | 22.9 | 23.2 | 23.5 | 23.8 | 24.1 | 24.4 | 24.7 | 25.0 | 25.3 | 25.6 | 25.9 | 26.2 | 26.5 | 26.8 | 27.1 | 27.4 | 27.7 | 28.0 | 28.3 | 28.6 | 28.9 | 29.2 | 29.5 | 29.8 | 30.1 | 30.4 | 30.7 | 31.0 | 31.3 | 31.6 | 31.9 | 32.2 | 32.5 | 32.8 | 33.1 | 33.4 | 33.7 | 34.0 | 34.3 | 34.6 | 34.9 | 35.2 | 35.5 | 35.8 | 36.1 | 36.4 | 36.7 | 37.0 | 37.3 | 37.6 | 37.9 | 38.2 | 38.5 | 38.8 | 39.1 | 39.4 | 39.7 | 40.0 | 40.3 | 40.6 | 40.9 | 41.2 | 41.5 | 41.8 | 42.1 | 42.4 | 42.7 | 43.0 | 43.3 | 43.6 | 43.9 | 44.2 | 44.5 | 44.8 | 45.1 | 45.4 | 45.7 | 46.0 | 46.3 | 46.6 | 46.9 | 47.2 | 47.5 | 47.8 | 48.1 | 48.4 | 48.7 | 49.0 | 49.3 | 49.6 | 49.9 | 50.2 | 50.5 | 50.8 | 51.1 | 51.4 | 51.7 | 52.0 | 52.3 | 52.6 | 52.9 | 53.2 | 53.5 | 53.8 | 54.1 | 54.4 | 54.7 | 55.0 | 55.3 | 55.6 | 55.9 | 56.2 | 56.5 | 56.8 | 57.1 | 57.4 | 57.7 | 58.0 | 58.3 | 58.6 | 58.9 | 59.2 | 59.5 | 59.8 | 60.1 | 60.4 | 60.7 | 61.0 | 61.3 | 61.6 | 61.9 | 62.2 | 62.5 | 62.8 | 63.1 | 63.4 | 63.7 | 64.0 | 64.3 | 64.6 | 64.9 | 65.2 | 65.5 | 65.8 | 66.1 | 66.4 | 66.7 | 67.0 | 67.3 | 67.6 | 67.9 | 68.2 | 68.5 | 68.8 | 69.1 | 69.4 | 69.7 | 70.0 | 70.3 | 70.6 | 70.9 | 71.2 | 71.5 | 71.8 | 72.1 | 72.4 | 72.7 | 73.0 | 73.3 | 73.6 | 73.9 | 74.2 | 74.5 | 74.8 | 75.1 | 75.4 | 75.7 | 76.0 | 76.3 | 76.6 | 76.9 | 77.2 | 77.5 | 77.8 | 78.1 | 78.4 | 78.7 | 79.0 | 79.3 | 79.6 | 79.9 | 80.2 | 80.5 | 80.8 | 81.1 | 81.4 | 81.7 | 82.0 | 82.3 | 82.6 | 82.9 | 83.2 | 83.5 | 83.8 | 84.1 | 84.4 | 84.7 | 85.0 | 85.3 | 85.6 | 85.9 | 86.2 | 86.5 | 86.8 | 87.1 | 87.4 | 87.7 | 88.0 | 88.3 | 88.6 | 88.9 | 89.2 | 89.5 | 89.8 | 90.1 | 90.4 | 90.7 | 91.0 | 91.3 | 91.6 | 91.9 | 92.2 | 92.5 | 92.8 | 93.1 | 93.4 | 93.7 | 94.0 | 94.3 | 94.6 | 94.9 | 95.2 | 95.5 | 95.8 | 96.1 | 96.4 | 96.7 | 97.0 | 97.3 | 97.6 | 97.9 | 98.2 | 98.5 | 98.8 | 99.1 | 99.4 | 99.7 | 100.0 |

| Element (X) | ΣX | ΣX^2 | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|------------|--------------|-----------|------------|----------|------------------------------------|------|------|------|------|-------|--|
| | | | | | | 0 F | 32 F | 67 F | 73 F | 80 F | 93 F | |
| Rel Hum. | 1745 | 4745 | 27.8 | 18.77 | 60 | 0 | 32 | 67 | 73 | 80 | 93 | |
| Dry Bulb | 1110 | 407 | 18.5 | 2.70 | 60 | | | 1 | 2 | 1 | | |
| Wet Bulb | 643 | 110 | 10.7 | 7.04 | 60 | | | 1 | 4 | | | |
| Dew Point | 317 | 43 | 5.3 | 5.26 | 60 | | 6 | 1 | | | | |

USAFETAC FORM 84 0 26 5 (OLA) RE-SEC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

ALUMINUM
 STATION
 STATION NAME

PSYCHROMETRIC SUMMARY

STATION: ELMSTOWN AFB MONTH: 12-52 YEARS: _____
 STATION NAME: _____ MONTH: _____
 HOURS: _____

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Σ | 7.41 | 8.11 | 6.61 | 7.14 | 7.11 | 7.8 | 4.1 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ X' | Σ X | X | % | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum | 12.833 | 5.564 | 1.11 | 150 | 9.00 | 0 F | 32 F | 67 F | 73 F | 80 F | 93 F | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | 3.64374 | 2.63 | 2.9 | 100 | 9.00 | | 3.2 | 10.0 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 2.1733 | 4.342 | 4.7 | 854 | 9.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | 2.1415 | 4.356 | 4.2 | 25 | 9.00 | | 5.1 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0 26 5 (OLA) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATE DIVISION BRANCH
 METEOROLOGICAL SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION: WASHINGTON METRO AFB 3 1950 YEARS MONTH: ALL HOURS: ALL

| 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 | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 71.9 | | | 71.9 |
| 72 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 72.9 | | | 72.9 |
| 73 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 73.9 | | | 73.9 |
| 74 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 74.9 | | | 74.9 |
| 75 | 2.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 75.9 | | | 75.9 |
| 76 | 3.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 76.9 | | | 76.9 |
| 77 | 4.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 77.9 | | | 77.9 |
| 78 | 4.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 78.9 | | | 78.9 |
| 79 | 5.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 79.9 | | | 79.9 |
| 80 | 6.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 80.9 | | | 80.9 |
| 81 | 7.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 81.9 | | | 81.9 |
| 82 | 7.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 82.9 | | | 82.9 |
| 83 | 8.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 83.9 | | | 83.9 |
| 84 | 9.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 84.9 | | | 84.9 |
| 85 | 9.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 85.9 | | | 85.9 |
| 86 | 10.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 86.9 | | | 86.9 |
| 87 | 11.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 87.9 | | | 87.9 |
| 88 | 11.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 88.9 | | | 88.9 |
| 89 | 12.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 89.9 | | | 89.9 |
| 90 | 13.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 90.9 | | | 90.9 |
| 91 | 14.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 91.9 | | | 91.9 |
| 92 | 14.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 92.9 | | | 92.9 |
| 93 | 15.4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 93.9 | | | 93.9 |
| 94 | 16.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 94.9 | | | 94.9 |
| 95 | 16.8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 95.9 | | | 95.9 |
| 96 | 17.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 96.9 | | | 96.9 |
| 97 | 18.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 97.9 | | | 97.9 |
| 98 | 18.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 98.9 | | | 98.9 |
| 99 | 19.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 99.9 | | | 99.9 |
| 100 | 20.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 100.9 | | | 100.9 |

| Element (X) | Σ X' | Σ X | X̄ | σ _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|---------------|----------|--------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Dry Bulb | 3223171 | 46545 | 64.7 | 17.628 | 7199 | | | | | | | 72.9 |
| Wet Bulb | 272613.5 | 43070 | 60.0 | 17.455 | 7199 | | 1 | 270 | 1 | 50 | 27 | 72.0 |
| Dew Point | 11317402 | 370710 | 53.7 | 8.023 | 7199 | | 5 | 34 | 7 | 1 | | 72.0 |
| Wet Bulb Dep. | 17977097 | 342737 | 47.6 | 10.64 | 7199 | | 49 | 1 | | | | 72.0 |

USAETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

U.S. AIR FORCE CLIMATE DIVISION
 CLIMATE SERVICE BRANCH

PSYCHROMETRIC SUMMARY

STATION NAME WYTHEVILLE AFB YEAR 1956
 MONTH June HOURS (L.S.T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | | |
| / 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 13 | | | | | |
| / 75 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | 77 | 75 | | | | |
| / 73 | | | 1 | 1.1 | 3.1 | 1 | | | | | | | | | | | | | | | | | | | | | | 83 | 77 | 4 | | | | |
| / 71 | | 1 | 2.1 | 2.2 | 2.4 | 1.4 | | | | | | | | | | | | | | | | | | | | | | 92 | 82 | 11 | | | | |
| / 69 | | 1.7 | 3.1 | 2.1 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | 79 | 79 | 4 | 1 | | | |
| / 67 | | 2.1 | 4.1 | 2.4 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | 109 | 105 | 77 | 4 | | | |
| / 65 | | 3.1 | 4.1 | 2.1 | 1. | | | | | | | | | | | | | | | | | | | | | | | 110 | 117 | 7 | | | | |
| / 63 | | 3.1 | 4.1 | 3.1 | 2.4 | 1.2 | | | | | | | | | | | | | | | | | | | | | | 63 | 63 | 12 | | | | |
| / 61 | | 3. | 3.1 | 2.4 | 1.7 | .4 | | | | | | | | | | | | | | | | | | | | | | 66 | 66 | 16 | 13 | | | |
| / 59 | | 1. | 2.1 | 2.1 | 1.1 | .4 | | | | | | | | | | | | | | | | | | | | | | 67 | 67 | 4 | 7 | | | |
| / 57 | | 1.7 | 1.7 | 1.7 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | 60 | 60 | 4 | | | | |
| / 55 | | 1. | 1.7 | 1.7 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | 61 | 61 | 2 | | | | |
| / 53 | | 1.7 | 1.7 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | | 47 | 47 | 4 | | | | |
| / 51 | | 1. | 1.1 | 1. | | | | | | | | | | | | | | | | | | | | | | | | 27 | 27 | 2 | | | | |
| / 49 | | | 1. | 1. | 1. | | | | | | | | | | | | | | | | | | | | | | | 18 | 18 | 2 | | | | |
| / 47 | | | | 1. | 2. | 1. | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 13 | 10 | | | |
| / 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | 4 | 1 | 3 | | | |
| / 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 4 | 3 | | | |
| / 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 4 | 3 | | | |
| / 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.1 | 1. | 1.1 | 2.1 | 2.1 | 1.1 | 4.1 | 1. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | 770 | 670 | 670 | 923 | | | | |

USAFETAC FORM 0-26.5 (O.L.A.) REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | Z _X ² | Z _X | X | n | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|-----------------------------|----------------|--------|------|----------|------------------------------------|------|------|------|------|------|-------|
| Rel. Hum. | 26724.35 | 7114.4 | 76.101 | 157 | 770 | 0 F | 32 F | 67 F | 73 F | 80 F | 93 F | Total |
| Dry Bulb | 253372 | 5139.4 | 64.1 | 6744 | 926 | | | 57.2 | 10.2 | | | 67.4 |
| Wet Bulb | 223325 | 4737 | 59.2 | 671 | 926 | | | 15.7 | 4 | | | 20.1 |
| Dew Point | 30161.6 | 5511.6 | 50.5 | 8124 | 926 | | | 4 | 7.5 | | | 11.5 |

GENERAL CLIMATOLOGICAL BUREAU
 METAC
 AIRCRAFT SERVICE AGENCY

PSYCHROMETRIC SUMMARY

STATION ELYTHEVILLE AFB STATION NAME 1948 YEARS 1 DAY MONTH

| 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 | | | | | | | | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | | | | | | | | | | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | | | | | | | | | | .5 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | | | | | .1 | | | .3 | .5 | .8 | .5 | .4 | .4 | .5 | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | | | | | | .2 | .1 | .3 | .5 | .8 | .5 | .5 | .5 | .7 | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | .3 | .2 | .4 | .6 | .9 | .6 | .6 | .6 | .8 | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | .4 | .3 | .5 | .7 | 1.0 | .7 | .7 | .7 | .9 | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | .5 | .4 | .6 | .8 | 1.1 | .8 | .8 | .8 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | .6 | .5 | .7 | .9 | 1.2 | .9 | .9 | .9 | 1.1 | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | .1 | .1 | .7 | .6 | .8 | 1.0 | 1.3 | 1.0 | 1.0 | 1.0 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | .1 | .1 | .8 | .7 | .9 | .8 | 1.0 | 1.2 | 1.5 | 1.2 | 1.2 | 1.2 | 1.4 | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | .2 | .2 | .9 | .8 | 1.0 | .9 | 1.1 | 1.3 | 1.6 | 1.3 | 1.3 | 1.3 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | .3 | .3 | 1.0 | .9 | 1.1 | 1.0 | 1.2 | 1.4 | 1.7 | 1.4 | 1.4 | 1.4 | 1.6 | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | .4 | .4 | 1.1 | 1.0 | 1.2 | 1.1 | 1.3 | 1.5 | 1.8 | 1.5 | 1.5 | 1.5 | 1.7 | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | .5 | .5 | 1.2 | 1.1 | 1.3 | 1.2 | 1.4 | 1.6 | 1.9 | 1.6 | 1.6 | 1.6 | 1.8 | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | .6 | .6 | 1.3 | 1.2 | 1.4 | 1.3 | 1.5 | 1.7 | 2.0 | 1.7 | 1.7 | 1.7 | 1.9 | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | .7 | .7 | 1.4 | 1.3 | 1.5 | 1.4 | 1.6 | 1.8 | 2.1 | 1.8 | 1.8 | 1.8 | 2.0 | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | .8 | .8 | 1.5 | 1.4 | 1.6 | 1.5 | 1.7 | 1.9 | 2.2 | 1.9 | 1.9 | 1.9 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | .9 | .9 | 1.6 | 1.5 | 1.7 | 1.6 | 1.8 | 2.0 | 2.3 | 2.0 | 2.0 | 2.0 | 2.2 | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | 1.0 | 1.0 | 1.7 | 1.6 | 1.8 | 1.7 | 1.9 | 2.1 | 2.4 | 2.1 | 2.1 | 2.1 | 2.3 | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OLA) REVISION 8 DECEMBER 1946

2

PSYCHROMETRIC SUMMARY

STATION: ...
 DATE: ...

STATION: ... STATION NAME: ... YEARS: ... MONTH: ... HOURS: ...

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 |
| | 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 | | | | |

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|--|
| | | | | | | ≤ 0 F | + 32 F | + 67 F | + 73 F | + 80 F | + 93 F | |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0 26 5 (OLA) RE-100 METEOROLOGICAL DATA SHEET (REV. 1-75) JUL 64

AL CLIMATOLOGY DIVISION
 TAC
 WEATHER OFFICE/1140

PSYCHROMETRIC SUMMARY

STATION: FORTHEVILLE AFB 1 73-87 YEARS: 1 MONTH: 1
 STATION NAME: YEARS: MONTH: HOURS: 1

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | 97.5 | 75 | 75 | 65 | | | | | | | | | | | | | |

USAFETAC FORM 0-26.5 (OLA) 81-110 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | ΣX | ΣX^2 | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|------------|--------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|--|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≥ 93 F | |
| Rel. Hum. | 100.0 | 32.0 | 67.0 | 16.45 | 63 | | | | | | | |
| Dry Bulb | 4000 | 6000 | 71.0 | 7.05 | 93 | | | 7.1 | 4.0 | 1.7 | | |
| Wet Bulb | 777.16 | 2076 | 8.4 | 6.43 | 93 | | | 3.5 | 6.1 | | | |
| Dew Point | 31.347 | 22.36 | 7.6 | 8.77 | 93 | | | 1.9 | | | | |

2

AL DETROIT METEOROLOGICAL STATION
 DATE: SEP 10 1940

PSYCHROMETRIC SUMMARY

STATION: WASHINGTON METEOROLOGICAL STATION AFR A-1 YEARS: 73-40 MONTH: MAY

PAGE: 1 21.0-27.0
 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 3211.5 | 67.34 | 72.10 | 3.22 | 93 | | | | | | | |
| Dry Bulb | 42251.5 | 623.67 | 67.1 | 6.73 | 93 | | | 2.5 | 2.1 | | | 4.6 |
| Wet Bulb | 28474.5 | 571.8 | 61.4 | 5.61 | 93 | | | 22.7 | 1.6 | | | 24.3 |
| Dew Point | 120.32 | 53.14 | 57.3 | 6.30 | 93 | | | 10.9 | | | | 10.9 |

USAFETAC FORM 0 26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL BUREAU OF SURVEY
 NATIONAL CLIMATOLOGY SERVICE
 NATIONAL CENTER FOR ENVIRONMENTAL SERVICES

PSYCHROMETRIC SUMMARY

STATION LYNNVILLE AFB A YEARS 73-77 MONTH JAN
 STATION NAME LYNNVILLE AFB A YEARS 73-77 MONTH JAN
 HOURS (L. S. T.) 211

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 14 | 72 | 31 | 7 | 11 | 3 | 1 | 7 | 3 | 4 | 3 | 1 | 1 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM AIR 64 3-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 3624491 | 501440 | 67.5 | 7.258 | 7429 | | | | | | | |
| Dry Bulb | 203331 | 51547 | 69.3 | 9.124 | 7429 | | | 451.3 | 269.7 | 108.9 | | 744 |
| Wet Bulb | 2045103 | 461465 | 62.1 | 7.143 | 7429 | | | 225.6 | 35.7 | .1 | | 744 |
| Dew Point | 2473594 | 424284 | 57.1 | 8.065 | 7429 | | 5.1 | 64.7 | 2.3 | | | 744 |

2

CLIMATE BRANCH
 METEOROLOGICAL SERVICE DIVISION

PSYCHROMETRIC SUMMARY

STATION: WYTHEVILLE AFB A YEARS: 72-80 MONTH: JUN

PAGE: 1 RECORD: 1980-1980 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 | | | | | | | .1 | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 73 | | | | | | | .1 | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 74 | | | | .4 | .7 | 1.0 | 1.3 | .7 | .2 | | | | | | | | | 15 | 16 | | | | | | | | | | | | | | | | |
| 75 | | | | .4 | 1.7 | 1.7 | .7 | .2 | | | | | | | | | | 53 | 53 | | | | | | | | | | | | | | | | |
| 76 | | | .7 | 2.0 | 1.4 | 2.2 | .4 | .1 | | | | | | | | | | 39 | 51 | | | | | | | | | | | | | | | | |
| 77 | | .3 | 2.6 | 1.8 | 1.0 | 1.2 | .1 | .1 | | | | | | | | | | 76 | 75 | 2 | | | | | | | | | | | | | | | |
| 78 | | .3 | 3.4 | 2.1 | 1.7 | 1.7 | .1 | | | | | | | | | | | 101 | 101 | 13 | 1 | | | | | | | | | | | | | | |
| 79 | | .9 | 4.1 | 3.4 | 2.1 | 1.2 | 1.0 | .2 | | | | | | | | | | 117 | 117 | 53 | 11 | | | | | | | | | | | | | | |
| 80 | | 1.2 | 5.2 | 5.2 | 1.7 | 1.2 | .1 | | | | | | | | | | | 114 | 114 | 29 | 57 | | | | | | | | | | | | | | |
| 81 | | 1.7 | 4.0 | 2.1 | 1.4 | .8 | .2 | .1 | .1 | | | | | | | | | 84 | 84 | 101 | 53 | | | | | | | | | | | | | | |
| 82 | | 1.4 | 3.3 | 3.0 | 1.4 | .4 | .2 | | | | | | | | | | | 89 | 79 | 125 | 111 | | | | | | | | | | | | | | |
| 83 | | 1.0 | 2.0 | 2.4 | 1.0 | .0 | .2 | | | | | | | | | | | 72 | 72 | 124 | 111 | | | | | | | | | | | | | | |
| 84 | | 1.7 | 1.7 | 1.2 | .2 | .2 | .1 | | | | | | | | | | | 83 | 83 | 74 | 105 | | | | | | | | | | | | | | |
| 85 | | 1.1 | 1.2 | 1.7 | .0 | .3 | | | | | | | | | | | | 35 | 35 | 100 | 91 | | | | | | | | | | | | | | |
| 86 | | .0 | .7 | .4 | .0 | | | | | | | | | | | | | 23 | 23 | 80 | 73 | | | | | | | | | | | | | | |
| 87 | | .0 | .4 | .1 | .0 | | | | | | | | | | | | | 2 | 2 | 43 | 38 | | | | | | | | | | | | | | |
| 88 | | | .7 | .1 | .1 | | | | | | | | | | | | | 1 | 5 | 1 | 53 | | | | | | | | | | | | | | |
| 89 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 12 | 57 | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | 17 | 72 | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | 2 | 10 | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | 1 | 7 | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| TOTAL | | 1 | 25 | 32 | 17 | 11 | 5 | 4 | 2 | 1 | 7 | 0 | | | | | | 9 | 0 | 0 | 0 | | | | | | | | | | | | | | |

| Element (X) | Σ X ² | Σ X | X | Σ X | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | |
|-------------|------------------|--------|------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|--|--|--|--|--|--|--|--|--|--|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total | | | | | | | | | | |
| Rel. Hum. | 4 90711 | 4 2735 | 77.6 | 11.394 | 930 | | | | | | | | | | | | | | | | | |
| Dry Bulb | 4 81841 | 4 6 65 | 73.4 | 5.999 | 930 | | | 75.4 | 51.7 | 14.0 | | | | | | | | | | | | |
| Wet Bulb | 4 137 39 | 60 33 | 67.6 | 5.777 | 930 | | | 55.7 | 17.2 | | | | | | | | | | | | | |
| Dew Point | 3747733 | 57797 | 64.2 | 6.335 | 930 | | | 36.7 | 6.5 | | | | | | | | | | | | | |

FORM 0-26-5 (OL AI) AF-40 PREVIOUS EDITIONS OF THIS MANUAL ARE OBSOLETE
 USAFETAC

JOINT AIR FORCE AND AIR NAVY SCHOOL
 METEOROLOGICAL SERVICE UNIT

PSYCHROMETRIC SUMMARY

STATION: MEMPHISVILLE AFB YEARS: 73-80 MONTH: _____
 FAC: 1 100-1100
HOURS (L. S. Y.)

| 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 | | | | | | | | | | | | | | | | | | | .1 | | | | | | | | | | | | | | | 5 | 7 | | | |
| 51 | | | | | | | | | | | | | | | | | | .1 | .1 | .1 | | | | | | | | | | | | | | 6 | 6 | | | |
| 52 | | | | | | | | | | | | | | | | | .4 | .3 | .6 | .3 | .2 | | | | | | | | | | | | | 27 | 27 | | | |
| 53 | | | | | | | | | | | | | .4 | 1.1 | 2.2 | .3 | 2.0 | .2 | .1 | | | | | | | | | | | | | | | 3 | 25 | | | |
| 54 | | | | | | | | | | | | .3 | 2.3 | 1.2 | 1.1 | .8 | .2 | .7 | .3 | | | | | | | | | | | | | | | 24 | 24 | | | |
| 55 | | | | | | .7 | 0.7 | 3.2 | 1.4 | 1.3 | 1.1 | .8 | .4 | | | | | | | | | | | | | | | | | | | | | 6 | 26 | | | |
| 56 | | | | .1 | 1.3 | 3.1 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | .1 | | | | | | | | | | | | | | | | | | | | 36 | 32 | 1 | | |
| 57 | | | | .4 | 1.3 | 2.7 | 1.1 | 1.0 | 1.2 | .7 | .8 | .7 | .2 | | | | | | | | | | | | | | | | | | | | | | 1 | 27 | | |
| 58 | | | | .4 | 3.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.4 | .6 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | 22 | 92 | 56 | | |
| 59 | | | | 1.2 | 1.4 | 1.2 | 1.9 | 1.4 | 1.7 | .2 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | 10 | 50 | 138 | 50 | |
| 60 | | | | .1 | .2 | .9 | 1.2 | 2.2 | 1.2 | .3 | .2 | | | | | | | | | | | | | | | | | | | | | | | 20 | 35 | 122 | 57 | |
| 61 | | | | .1 | 1.0 | 1.4 | 1.7 | .9 | .4 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | 40 | 45 | 119 | 109 | |
| 62 | | | | .2 | .9 | .8 | .2 | .3 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 20 | 32 | 104 | 100 | |
| 63 | | | | .1 | 1.3 | .8 | .2 | .4 | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 18 | 78 | 110 | |
| 64 | | | | .1 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 2 | 100 | 65 | |
| 65 | | | | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 73 | 65 | |
| 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 17 | 73 | |
| 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 84 | |
| 68 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 15 | 45 | |
| 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 21 | | |
| 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 23 | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 4 | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | |
| 76 | | | | | | 1.7 | 2.1 | 2.1 | 1.7 | 2.1 | 2.4 | 1.3 | 1.1 | 1.6 | 2.4 | .2 | | | | | | | | | | | | | | | | | | | | 9 | 78 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 970 | | 978 | | |

USAFETAC FORM 34-1 AR 63 0-26.5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ALBUQUERQUE, N.M. 87103
 1964
 WET BULB TEMPERATURE DEPRESSION

PSYCHROMETRIC SUMMARY

STATION: ENTRANCE AFB A STATION NAME: _____ YEARS: _____
 HOURS: _____

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JAN 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_n | No. Obs. | Mean No. of Hours with Temperature | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | |
| Rel. Hum. | 644 | 2042 | 68 | 82.62 | 296 | | | | | | |
| Dry Bulb | 13524 | 6724 | 72 | 94.72 | 296 | | | | | | |
| Wet Bulb | 41224 | 2124 | 68 | 91.5 | 296 | | | 57.4 | 15 | | |
| Dew Point | 3710256 | 7234 | 65 | 96.48 | 296 | | | 57.7 | 7 | | |

2

FEDERAL BUREAU OF SURVEYING
 AFB, KY
 AIR FORCE STATION

PSYCHROMETRIC SUMMARY

STATION LYNCHVILLE AFB, KY STATION NAME 73-02 YEARS JUL MONTH

FAULT 0-00-11-0
 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 | | | | | | | | | | | | | | | | |
| 77-79 | | | | | | | | | | | | | | | | | | 2 | 4 | 6 | | | | | | | | 13 | 13 | | | | | | | | |
| 77-78 | | | | | | | | | | 1.0 | .1 | .1 | | | | | | | | | | | | | | | | | 16 | 16 | | | | | | | |
| 77-76 | | | | | | | 1.1 | 1.0 | | | | .1 | | | | | | | | | | | | | | | | 26 | 28 | | | | | | | | |
| 77-75 | | | | | .1 | .1 | .7 | 2.4 | .4 | .6 | .2 | | | | | | | | | | | | | | | | | 49 | 69 | | | | | | | | |
| 77-74 | | | | | | 2.3 | 2.3 | 2.3 | .5 | | .1 | | | | | | | | | | | | | | | | | 103 | 103 | | | | | | | | |
| 77-73 | | | | .1 | 1.1 | 5.5 | 4.2 | 1.2 | .7 | .1 | .1 | | | | | | | | | | | | | | | | | 171 | 151 | | | | | | | | |
| 77-72 | | | | .1 | 1.2 | 4.1 | 5.2 | 1.2 | 1.4 | .4 | .2 | | | | | | | | | | | | | | | | | 159 | 156 | | | | | | | | |
| 77-71 | | | .1 | 1.2 | 4.4 | 5.1 | 1.4 | .4 | .7 | .1 | | | | | | | | | | | | | | | | | | 121 | 125 | 1 | | | | | | | |
| 77-70 | | | | .2 | 1.1 | 2.2 | 1.7 | 1.3 | .9 | .3 | .1 | | | | | | | | | | | | | | | | | 97 | 93 | 2 | | | | | | | |
| 77-69 | | .3 | 1.7 | 1.3 | 3.7 | 1.4 | .7 | .1 | .3 | | | | | | | | | | | | | | | | | | | 82 | 82 | 175 | 6 | | | | | | |
| 77-68 | | | .6 | 1.1 | 1.4 | 1.2 | .6 | .4 | | | | | | | | | | | | | | | | | | | | 57 | 57 | 242 | 43 | | | | | | |
| 77-67 | | .9 | .9 | .5 | .7 | .4 | | | | | | | | | | | | | | | | | | | | | | 29 | 28 | 303 | 152 | | | | | | |
| 77-66 | .1 | .3 | 1.2 | .3 | .1 | .4 | | | | | | | | | | | | | | | | | | | | | | 25 | 23 | 121 | 257 | | | | | | |
| 77-65 | | .3 | .4 | .7 | .2 | | | | | | | | | | | | | | | | | | | | | | | 12 | 12 | 2 | 179 | | | | | | |
| 77-64 | | | .2 | .4 | .7 | .2 | | | | | | | | | | | | | | | | | | | | | | 9 | 4 | 62 | 121 | | | | | | |
| 77-63 | | | .2 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 27 | 93 | | | | | | |
| 77-62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 56 | | | | | | |
| 77-61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 23 | | | | | |
| 77-60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 18 | | | | | | |
| 77-59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | |
| 77-58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| 77-57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| 77-56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| TOTAL | .1 | 2.7 | 6.3 | 12.4 | 17.3 | 22.3 | 17.8 | 10.5 | 4.4 | 3.1 | 1.2 | 1.2 | .2 | | | | | | | | | | | | | | | 430 | 430 | 242 | | | | | | | |

USAFETAC FORM 0-26.5 (01A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

NATIONAL METEOROLOGICAL SERVICE
 METEOROLOGICAL SERVICE

STATION MYRTLEWILLE AFB A STATION NAME 73-60 YEARS JUL MONTH

PERIOD 1960-17 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 | | | | | | | | | | | | | | | | | |
| 71.7 | | | | | | | | | | | | | | | .1 | .2 | .1 | | | | | | | | | | | | | | | 12 | 17 | | | | | |
| 71.3 | | | | | | | | | | | | | | | .1 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | |
| 70.9 | | | | | | | | | | | | | | | .1 | .2 | .2 | | | | | | | | | | | | | | | | | | | | | |
| 70.7 | | | | | | | | | | | .1 | .1 | .4 | .2 | .4 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | |
| 70.2 | | | | | | | | | | | .2 | .3 | .4 | 1.0 | .2 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | |
| 70.1 | | | | | | | | | | .4 | 1.2 | 4.6 | 2.7 | 2.0 | .2 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | |
| 70.0 | | | | | | | | .1 | 1.1 | 3.3 | 4.4 | 1.9 | 1.4 | 1.0 | | | | | | | | | | | | | | | | | | | | | | | | |
| 69.7 | | | | | | | | .1 | 1.2 | 4.5 | 1.8 | 1.7 | .5 | .3 | .1 | | | | | | | | | | | | | | | | | | | | | | | |
| 69.6 | | | | | | .1 | 1.7 | 2.8 | 2.5 | 1.1 | 1.6 | .7 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69.5 | | | | | .1 | 2.3 | 2.7 | 1.3 | .5 | .1 | .3 | .3 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69.2 | | .1 | .2 | 1.3 | | .8 | .1 | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69.0 | | .2 | .7 | 1.6 | | .1 | .1 | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68.7 | | .3 | 1.1 | 2.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68.5 | | .3 | .3 | | | .7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67.6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65.9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOT | 1.7 | 1.7 | 6.3 | 7.8 | 1.6 | 14.3 | 17.4 | 14.3 | 10.4 | 6.2 | 3.0 | 1.8 | 1.1 | 1.1 | 1.2 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL CLIMATOLOGY BRANCH
METEOROLOGICAL SERVICE/AFAC

PSYCHROMETRIC SUMMARY

STATION: WYTHEVILLE AFB VA
STATION NAME

73-67
YEARS

MONTH

PERIOD: 1950-1951
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 | | | | | | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | .2 | 2.7 | 3.7 | 12.2 | 17.1 | 11.0 | 7.1 | 9.9 | 10.0 | 6.2 | 3.7 | 2.0 | 2.0 | 1.1 | .3 | .7 | .1 | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | 931 | | | | | | | | | | | | | | | | | | 970 | | |
| Element (X) | Σ X ² | | Σ X | X | σ _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | | | | | | Total | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | 765978 | | 53263 | 62.7 | 14.122 | 93 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | 93 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | 5641100 | | 78796 | 84.3 | 5.921 | 93 | | | 92.9 | 92.0 | 73. | 9.6 | | 93 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | 136213 | | 6939 | 74.2 | 3.452 | 93 | | | 89.7 | 67.4 | 2. | | | 93 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | 4511234 | | 64629 | 69.5 | 4.776 | 93 | | | 69.7 | 26.5 | | | | 93 | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC NO. 0-26.5 (OL.A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CENTRAL CLIMATOLOGY BRANCH
 METAC
 WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION SYDNEYVILLE AFB A YEARS 73-82 MONTH JUL
 STATION NAME _____ HOURS (L.S.T.) ALL

| 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 | | | | | | | | | | | | | | |
| 71.0 | | | | | | | | | | | | | | | .1 | .1 | | 18 | 18 | | | | | | | | | | | | | | | | |
| 71.5 | | | | | | | | | | | | | .1 | .1 | .1 | .1 | | 24 | 24 | | | | | | | | | | | | | | | | |
| 72.0 | | | | | | | | | | | .0 | .0 | .1 | .1 | .1 | .0 | | 41 | 41 | | | | | | | | | | | | | | | | |
| 72.5 | | | | | | | | | | | .0 | .0 | .1 | .2 | .1 | .7 | | 54 | 54 | | | | | | | | | | | | | | | | |
| 73.0 | | | | | | | | | | | | .0 | .0 | .1 | .0 | .0 | | 69 | 69 | | | | | | | | | | | | | | | | |
| 73.5 | | | | | | | | | .1 | | .5 | .4 | .2 | .1 | .0 | | | 141 | 141 | | | | | | | | | | | | | | | | |
| 74.0 | | | | | | | .2 | 1.0 | 1.7 | 1.1 | .7 | .4 | .2 | .0 | | | | 237 | 237 | | | | | | | | | | | | | | | | |
| 74.5 | | | | | | .1 | | 1.9 | 1.8 | .7 | .4 | .2 | | | | | | 445 | 445 | | | | | | | | | | | | | | | | |
| 75.0 | | | | | | | .2 | 2.1 | 2.2 | 1.0 | .7 | .0 | .1 | .0 | | | | 515 | 515 | | | | | | | | | | | | | | | | |
| 75.5 | | | .0 | .4 | 1.6 | 1.3 | 1.3 | 1.1 | .5 | .2 | .1 | | | | | | | 567 | 567 | | | | | | | | | | | | | | | | |
| 76.0 | | .0 | .0 | 1.3 | 2.5 | 2.7 | 1.5 | .0 | .2 | .2 | .0 | .0 | | | | | | 624 | 624 | 4 | | | | | | | | | | | | | | | |
| 76.5 | | .1 | 1.0 | 2.0 | 2.7 | 1.7 | .9 | .7 | .2 | .1 | | | | | | | | 737 | 737 | 111 | | | | | | | | | | | | | | | |
| 77.0 | | .3 | .8 | 2.1 | 2.3 | 1.0 | .0 | .0 | .1 | | | | | | | | | 749 | 749 | 444 | 18 | | | | | | | | | | | | | | |
| 77.5 | | 1.2 | 4.1 | 3.0 | 1.0 | .4 | .0 | .1 | | | | | | | | | | 844 | 844 | 1110 | 102 | | | | | | | | | | | | | | |
| 78.0 | | 2.5 | 3.4 | 2.9 | .0 | .4 | .1 | | | | | | | | | | | 744 | 744 | 1343 | 582 | | | | | | | | | | | | | | |
| 78.5 | .1 | 2.4 | 2.6 | 2.0 | .4 | .7 | | | | | | | | | | | | 577 | 577 | 1889 | 1213 | | | | | | | | | | | | | | |
| 79.0 | .1 | 1.2 | 1.0 | .5 | .0 | .1 | | | | | | | | | | | | 309 | 309 | 1140 | 1491 | | | | | | | | | | | | | | |
| 79.5 | .0 | .0 | 1.0 | .0 | .0 | .0 | | | | | | | | | | | | 162 | 162 | 700 | 1234 | | | | | | | | | | | | | | |
| 80.0 | | .1 | .0 | .3 | .1 | | | | | | | | | | | | | 1 | 1 | 376 | 200 | | | | | | | | | | | | | | |
| 80.5 | | .0 | .0 | .0 | | | | | | | | | | | | | | 76 | 76 | 240 | 611 | | | | | | | | | | | | | | |
| 81.0 | | .1 | .1 | .1 | | | | | | | | | | | | | | 11 | 11 | 100 | 414 | | | | | | | | | | | | | | |
| 81.5 | | | .0 | .0 | | | | | | | | | | | | | | 4 | 4 | 61 | 293 | | | | | | | | | | | | | | |
| 82.0 | | | | | | | | | | | | | | | | | | | | | 127 | | | | | | | | | | | | | | |
| 82.5 | | | | | | | | | | | | | | | | | | | | | 110 | | | | | | | | | | | | | | |
| 83.0 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 83.5 | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | |
| 84.0 | .1 | .0 | .5 | 1.7 | 2.1 | 2.7 | 1.4 | 1.7 | 7.0 | 5.3 | 3.5 | 2.0 | 1.7 | .6 | .4 | .2 | .2 | | | 744 | 744 | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | 7440 | 7440 | 7440 | 7440 | | | | | | | | | | | | | | |

| Element (X) | Z _{x'} | Z _x | X | σ _x | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | | | |
|-------------|-----------------|----------------|------|----------------|----------|------------------------------------|------|-------|------|-------|-------|-------|------|-----|
| Rel. Hum. | 361 | 2513 | 5 | 56.71 | 68.0 | 15 | 6 | 15 | | | | | | |
| Dry Bulb | 5 | 160 | 78 | 6 | 87 | 86 | 51.5 | 7.441 | 7440 | 737.6 | 602.4 | 425.7 | 65.3 | 744 |
| Wet Bulb | 4 | 0 | 1018 | 5 | 45 | 12 | 73.4 | 4.04 | 7440 | 646.9 | 466.5 | 27.7 | | 744 |
| Dew Point | 3 | 59 | 5711 | 5 | 16 | 67 | 69.4 | 4.631 | 7440 | 569.5 | 192.5 | .5 | | 744 |

FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 USAFETAC JUL 64

U.S. AIR FORCE METEOROLOGICAL BRANCH
 METAC
 WET BULB TEMPERATURE DEPRESSION (F)

PSYCHROMETRIC SUMMARY

STATION: LATHAM AFB VA STATION NAME: LATHAM AFB VA YEARS: 53-54 MONTH: 12 HOURS: 23.5

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | $\sum x^2$ | $\sum x$ | \bar{x} | σ^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|------------|----------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 63.9204 | 76715 | 67.75 | 8.775 | 93 | ± 0 F | ± 32 F | ± 67 F | ± 73 F | ± 80 F | ± 93 F | Total |
| Dry Bulb | 422487 | 63275 | 73.4 | 4.618 | 93 | | | 4.9 | 7.1 | 7.2 | | 22 |
| Wet Bulb | 422506 | 64762 | 69.6 | 4.171 | 93 | | | 7.2 | 7.5 | | | 22 |
| Dew Point | 427433 | 62934 | 67.7 | 4.559 | 93 | | | 8.0 | 11.6 | | | 32 |

FORM 0-26-5 (OLA) METHOD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 USAFETAC

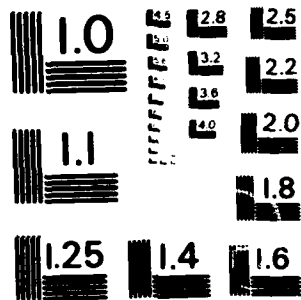
AD-A131 197

BLYTHEVILLE AFB ARKANSAS REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSER..(U) AIR FORCE ENVIRONMENTAL
TECHNICAL APPLICATIONS CENTER SCOTT A.. JUN 83
USAFETAC/DS-83/025 SBI-AD-E850 403 F/G 4/2

516

UNCLASSIFIED

NL



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS - 1963-A

USAF AIR FORCE
 AIR FORCE ENGINEERING SERVICE CENTER

PSYCHROMETRIC SUMMARY

STATION: LYNCHVILLE AFB YEARS: 70-71 MONTH: ALL
 PERIOD: 1 1970-1971
 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 | | | | | | | | | | | | | | |
| 77-81 | | | | | | | | | | | | | | | | | | 4 | | 4 | | | | | | | | | | | | | | | |
| 76-80 | | | | | | | | | | | | | | | | | | 7 | | 7 | | | | | | | | | | | | | | | |
| 75-79 | | | | | | | | | | | | | | | | | | 25 | | 25 | | | | | | | | | | | | | | | |
| 74-78 | | | | | | | | | | | | | | | | | | 42 | | 42 | | | | | | | | | | | | | | | |
| 73-77 | | | | | | | | | | | | | | | | | | 74 | | 74 | | | | | | | | | | | | | | | |
| 72-76 | | | | | | | | | | | | | | | | | | 1 | | 71 | | | | | | | | | | | | | | | |
| 71-75 | | | | | | | | | | | | | | | | | | 112 | | 112 | | | | | | | | | | | | | | | |
| 70-74 | | | | | | | | | | | | | | | | | | 175 | | 175 | | | | | | | | | | | | | | | |
| 69-73 | | | | | | | | | | | | | | | | | | 117 | | 117 | | | | | | | | | | | | | | | |
| 68-72 | | | | | | | | | | | | | | | | | | 79 | | 79 | | | | | | | | | | | | | | | |
| 67-71 | | | | | | | | | | | | | | | | | | 70 | | 76 | | 71 | | | | | | | | | | | | | |
| 66-70 | | | | | | | | | | | | | | | | | | 71 | | 71 | | 70 | | | | | | | | | | | | | |
| 65-69 | | | | | | | | | | | | | | | | | | 66 | | 69 | | 156 | | | | | | | | | | | | | |
| 64-68 | | | | | | | | | | | | | | | | | | 27 | | 27 | | 146 | | | | | | | | | | | | | |
| 63-67 | | | | | | | | | | | | | | | | | | 19 | | 19 | | 146 | | | | | | | | | | | | | |
| 62-66 | | | | | | | | | | | | | | | | | | 18 | | 18 | | 112 | | | | | | | | | | | | | |
| 61-65 | | | | | | | | | | | | | | | | | | 6 | | 6 | | 146 | | | | | | | | | | | | | |
| 60-64 | | | | | | | | | | | | | | | | | | 2 | | 2 | | 45 | | | | | | | | | | | | | |
| 59-63 | | | | | | | | | | | | | | | | | | | | | | 73 | | | | | | | | | | | | | |
| 58-62 | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |
| 57-61 | | | | | | | | | | | | | | | | | | | | | | 57 | | | | | | | | | | | | | |
| 56-60 | | | | | | | | | | | | | | | | | | | | | | 74 | | | | | | | | | | | | | |
| 55-59 | | | | | | | | | | | | | | | | | | | | | | 7 | | | | | | | | | | | | | |
| 54-58 | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| 53-57 | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| 52-56 | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| 51-55 | | | | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | 679 | | 679 | | 924 | | | | | | | | | | | | | |

| Element (X) | Σx' | Σx | I | σ _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|---------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 727.121 | 362.4 | 57.7 | 14.192 | 93 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Dry Bulb | 1427143 | 7053 | 80.1 | 6.251 | 93 | | | 63.3 | 90.0 | 70.5 | 14.2 | 93 |
| Wet Bulb | 144354 | 6776 | 74.3 | 3.777 | 93 | | | 59.5 | 65.3 | 4.2 | | 93 |
| Dew Point | 4411 | 63 | 6.7 | 5.199 | 93 | | | 66.9 | 72.4 | 5 | | 93 |

USAFETAC FORM 8-64 0-20-5 (OLA) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

U.S. AIR FORCE
METEOROLOGICAL BRANCH
METAC
ATHERM. SERVICE/AC

PSYCHROMETRIC SUMMARY

STATION: WYTHEVILLE AFB STATION NAME: 73-82 YEARS: AGC MC-YR

PAGE 1 1-4-60
HOURS (L. S. Y.)

| 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 | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | 5 | 5 | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | .7 | .4 | | | | | | | | | 11 | 11 | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | .1 | .1 | | | | | | | | | 19 | 19 | | | | | | | | | | | | | | | | |
| 93 | | | | | | .7 | 1.3 | 2.0 | .4 | .2 | .1 | .1 | | | | | | 46 | 46 | | | | | | | | | | | | | | | | |
| 92 | | | | | | | 1.8 | 1.1 | .4 | .2 | .2 | | | | | | | 61 | 61 | | | | | | | | | | | | | | | | |
| 91 | | | | .1 | .3 | 1.3 | 1.9 | 1.3 | .4 | | | | | | | | | 7 | 57 | | | | | | | | | | | | | | | | |
| 90 | | | | 1.2 | 2.4 | 2.7 | 1.6 | | .2 | .1 | | | | | | | | 119 | 119 | | | | | | | | | | | | | | | | |
| 89 | | | | | 4.2 | 2.0 | 3.2 | 1.7 | .4 | .1 | | | | | | | | 112 | 112 | | | | | | | | | | | | | | | | |
| 88 | | | .3 | 1.0 | 4.5 | 2.9 | 1.9 | | .1 | .2 | | | | | | | | 113 | 115 | | 4 | | | | | | | | | | | | | | |
| 87 | | | 1.4 | 3.7 | 3.4 | 2.7 | 1.7 | 1.0 | | | | | | | | | | 141 | 131 | 111 | 1.7 | | | | | | | | | | | | | | |
| 86 | | | 1.3 | 3.2 | 2.4 | 1.7 | 1.1 | .1 | | | | | | | | | | 164 | 166 | 122 | 1.7 | | | | | | | | | | | | | | |
| 85 | | .1 | 1.0 | 1.7 | 1.4 | 1.2 | .4 | .2 | | | | | | | | | | 68 | 65 | 162 | 14.4 | | | | | | | | | | | | | | |
| 84 | | 1.2 | .2 | 1.1 | .5 | .2 | | | | | | | | | | | | 138 | 138 | 157 | 16.2 | | | | | | | | | | | | | | |
| 83 | | .5 | .6 | .3 | .1 | | | | | | | | | | | | | 15 | 15 | 107 | 15.4 | | | | | | | | | | | | | | |
| 82 | | .7 | .1 | | | | | | | | | | | | | | | 16 | 16 | 73 | 10.1 | | | | | | | | | | | | | | |
| 81 | | .1 | .2 | | | | | | | | | | | | | | | 3 | 3 | 46 | 7.1 | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | 17 | 6.5 | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | 4 | 5.2 | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | .1 | 7.3 | 14.2 | 19.8 | 13.3 | 11.1 | 7.7 | 2.9 | 1.3 | .8 | .2 | | | | | | | 934 | | 934 | 21.0 | | | | | | | | | | | | | | |

USAFETAC FORM 8-54 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | Σx' | Σx | Σ | Σ _s | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|--------|-------|-------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Ref. Num. | 4 2657 | 54.8 | 65.1 | 12.276 | 93 | | | | | | | |
| Dry Bulb | 748.6 | 74.85 | 8.6 | 5.527 | 93 | | | 57.7 | 11.9 | 52.1 | 1.7 | 93 |
| Wet Bulb | 677.8 | 72.9 | 3.559 | | 93 | | | 26.4 | 54.3 | 1.7 | | 93 |
| Dew Point | 446.1 | 64.27 | 65.1 | 4.789 | 93 | | | 64.9 | 27.7 | | | 93 |

PSYCHROMETRIC SUMMARY

STATION WOODRUFF AFB YEARS 73-74 MONTH JANUARY
DATE 01-0-74 HOURS 12.5.1

| 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 | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | 1. | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | |
| 78 | | | | | | | | | | 1.4 | .4 | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | |
| 77 | | | | | | | | | | 1.2 | .1 | | | | | | | | | | | | | | | | | | | | | 45 | 45 | | | | | |
| 76 | | | | .1 | | | | | | 3.3 | 1. | 1.2 | .1 | | | | | | | | | | | | | | | | | | | 67 | 67 | | | | | |
| 75 | | | | .5 | | | | | | 3.4 | 4.7 | 2. | 1.6 | | | | | | | | | | | | | | | | | | | 111 | 111 | 4 | 1 | | | |
| 74 | | .1 | 1.1 | .3 | | | | | | 4.3 | 3. | .3 | | | | | | | | | | | | | | | | | | | | 147 | 147 | 77 | 7 | | | |
| 73 | | .1 | 4.3 | 7.4 | 4.2 | | | | | 1.7 | .6 | .1 | | | | | | | | | | | | | | | | | | | | 173 | 173 | 134 | 57 | | | |
| 72 | | .1 | 4.7 | 4.7 | 2.2 | 1.1 | | | | .6 | | | | | | | | | | | | | | | | | | | | | | 153 | 153 | 217 | 151 | | | |
| 71 | | | 2.2 | 1.7 | 2.4 | 1. | | | | | | | | | | | | | | | | | | | | | | | | | | 47 | 47 | 103 | 189 | | | |
| 70 | | | 2.4 | 1.5 | 2.4 | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | 62 | 62 | 114 | 158 | | | |
| 69 | | .1 | 1.5 | 2.3 | 1.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | 16 | 110 | | | |
| 68 | | | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 65 | 79 | | | |
| 67 | | | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 3 | 62 | 67 | | | |
| 66 | | | .2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 25 | 31 | | | |
| 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 3 | | |
| 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 2 | |
| 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| 62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| 59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| 58 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| 56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| 55 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | 1 | |
| TOT. | .41 | .12 | .27 | .91 | 4.7 | 7.7 | 1.7 | .4 | | | | | | | | | | | | | | | | | | | | | | | | 670 | 771 | 513 | 650 | | | |

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | ΣX' | ΣX | \bar{X} | S _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|---------|------|-----------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 5779.45 | 7295 | 71.3 | 9.82 | 92 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≥ 93 F | |
| Dry Bulb | 5571.76 | 7442 | 71.9 | 4.603 | 93 | | | 2.4 | 71.7 | 1.0 | | 53 |
| Wet Bulb | 4202.74 | 5633 | 71.2 | 3.270 | 93 | | | 7.2 | 39.0 | .1 | | 52 |
| Dew Point | 4325.96 | 5370 | 60.5 | 4.548 | 93 | | | 6.3 | 17.2 | | | 53 |

FEDERAL BUREAU OF SURVEY
 NATIONAL CENTER FOR ENVIRONMENTAL SCIENCE
 METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

STATION: WYTHEVILLE AFB VA YEARS: 73-74 MONTH: JANUARY
 DATE: 1-31-74 HOURS: 0-24

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | |
| 7/ 77 | | | .1 | .2 | .3 | | | | | | | | | | | | | 15 | 15 | | | | | | | | | | | | | | |
| 7/ 76 | | | 1.1 | 1.2 | .3 | | | | | | | | | | | | | 15 | 15 | | | | | | | | | | | | | | |
| 7/ 77 | | .7 | 1.1 | .5 | .4 | | | | | | | | | | | | | 15 | 15 | | 1 | | | | | | | | | | | | |
| 7/ 75 | | 1.7 | 3.0 | 1.4 | .7 | .1 | | | | | | | | | | | | 70 | 70 | 65 | 4 | | | | | | | | | | | | |
| 7/ 75 | .1 | 3.1 | 3.7 | 2.4 | | .7 | | | | | | | | | | | | 76 | 75 | 73 | 55 | | | | | | | | | | | | |
| 7/ 71 | .3 | 4.4 | 3.1 | .5 | .1 | .1 | .1 | | | | | | | | | | | 77 | 79 | 83 | 77 | | | | | | | | | | | | |
| 7/ 69 | .4 | 7.1 | 3.9 | 1.5 | .4 | .2 | | | | | | | | | | | | 81 | 81 | 83 | 104 | | | | | | | | | | | | |
| 7/ 67 | .1 | 3.7 | 4.2 | 1.3 | .4 | | | | | | | | | | | | | 75 | 73 | 71 | 71 | | | | | | | | | | | | |
| 7/ 65 | .2 | 4.1 | 2.2 | 1.5 | .1 | .1 | | | | | | | | | | | | 71 | 71 | 71 | 2 | | | | | | | | | | | | |
| 7/ 62 | .1 | 7.0 | 2.3 | .4 | .7 | | | | | | | | | | | | | 71 | 71 | 75 | 73 | | | | | | | | | | | | |
| 7/ 61 | | 3.0 | 1.2 | 1.1 | .1 | .1 | | | | | | | | | | | | 64 | 64 | 64 | 25 | | | | | | | | | | | | |
| 7/ 59 | | 7.1 | 1.3 | .8 | .1 | | | | | | | | | | | | | 64 | 64 | 61 | 55 | | | | | | | | | | | | |
| 7/ 57 | | 3.3 | 1.7 | .5 | .1 | | | | | | | | | | | | | 62 | 62 | 61 | 37 | | | | | | | | | | | | |
| 7/ 55 | | 2.1 | 2.4 | .7 | .1 | | | | | | | | | | | | | 62 | 62 | 62 | 61 | | | | | | | | | | | | |
| 7/ 53 | .1 | 1.6 | 1.7 | .3 | | | | | | | | | | | | | | 60 | 61 | 46 | 45 | | | | | | | | | | | | |
| 7/ 51 | | .9 | 1.8 | .1 | | | | | | | | | | | | | | 58 | 58 | 75 | 43 | | | | | | | | | | | | |
| 7/ 4 | | 1.1 | .7 | .1 | | | | | | | | | | | | | | 16 | 16 | 11 | 34 | | | | | | | | | | | | |
| 7/ 47 | | .7 | | | | | | | | | | | | | | | | 7 | 7 | 1 | 37 | | | | | | | | | | | | |
| 7/ 4 | | .1 | .1 | | | | | | | | | | | | | | | 2 | 2 | 5 | 19 | | | | | | | | | | | | |
| 7/ 62 | | | | | | | | | | | | | | | | | | | | | 17 | | | | | | | | | | | | |
| 7/ 61 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 1 | 4 | | | | | | | | | | | | |
| 7/ 5 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 7/ 37 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| 7/ 36 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| TOTAL | 1.24 | .43 | .21 | .4 | .3 | .5 | 1.2 | .2 | .1 | | | | | | | | | 910 | 910 | 903 | 910 | | | | | | | | | | | | |

| Element (X) | Σ x' | Σ x | X | s _x | No. Obs. | Mean No. of Hours with Temperature | | | | | Total |
|-------------|--------|-------|------|----------------|----------|------------------------------------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | |
| Rel. Hum. | 55.213 | 75129 | 82.0 | 6.761 | 900 | | | | | | |
| Dry Bulb | 75.37 | 58734 | 66.4 | 7.476 | 900 | | | 4.4 | 2.4 | 2.3 | 7 |
| Wet Bulb | 71.74 | 5076 | 67.2 | 7.675 | 900 | | | 3.6 | 8.9 | | 7 |
| Dew Point | 34.31 | 5575 | 61.2 | 8.270 | 900 | | | 2.2 | 4.3 | | 7 |

USAFETAC FORM 84 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

FEDERAL BUREAU OF SURVEYING
 NATIONAL BUREAU OF METEOROLOGY
 WASHINGTON, D.C. 20541

PSYCHROMETRIC SUMMARY

STATION: LYNNEVILLE STATE: MS YEARS: _____ MONTH: _____
 STATION NAME: _____ HOURS: _____

| 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. Wet Bulb | Dry Bulb Wet Bulb Dew Point | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_s | 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 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 SAFETAC

2

FEDERAL CLIMATOLOGY BRANCH
 METAC
 AIR WEATHER SERVICE/MAL

PSYCHROMETRIC SUMMARY

STATION LYNCHVILLE APP 4 STATION NAME 73-52 YEARS 1961
 MONTH 1-12
 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 | | | | | | | | | | | | | | |
| | | .1 | .7 | 1.1 | 1.4 | 1.8 | 2.1 | 2.5 | 2.8 | 3.1 | 3.5 | 3.8 | 4.1 | 4.5 | 4.8 | 5.2 | 5.5 | | | | | | | | | | | | | | | | | | |

| Element (X) | $\Sigma x'$ | Σx | \bar{x} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|-------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Rel. Hum. | 3230.00 | 3230.00 | 53.87 | 14.954 | 900 | 0 | 32 | 67 | 73 | 80 | 93 | 20 |
| Dry Bulb | 5672.27 | 7197 | 79.9 | 7.564 | 900 | | 27 | 70 | 43 | 24 | | 24 |
| Wet Bulb | 4253.27 | 6177 | 68.6 | 6.722 | 900 | | 26 | 25 | 12 | | | 24 |
| Dew Point | 3547.91 | 5537 | 61.5 | 6.978 | 900 | | 34 | 51 | | | | 24 |

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

STATION: MURFREESVILLE AFB STATION NAME: MURFREESVILLE AFB YEARS: 73-80 MONTH: 10
 HOURS (L. S. T.): 7

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | |
| 72 | | 1.3 | 1.4 | 1.6 | 1.7 | 1.1 | 1.2 | 1.7 | 1.8 | 1.6 | 1.8 | 1.7 | 1.7 | 1.7 | | | | | | | | | | | | | | | | | | | |
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USAFETAC FORM 82 0-26-5 (OL A) REVISIONS OF THIS FORM ARE OBSOLETE

| Element (X) | $\Sigma X'$ | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|-------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| | | | | | | $\leq 0 F$ | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ | Total |
| Rel. Hum. | 51.424 | 51.424 | 57.704 | 8.68 | 900 | | | | | | | |
| Dry Bulb | 565.57 | 717.7 | 7.852 | 5.00 | 900 | | | 32.7 | 21.1 | 40.2 | 32.8 | |
| Wet Bulb | 423.91 | 514.9 | 5.721 | 3.656 | 900 | | | 21.1 | 25.7 | | | |
| Dew Point | 7.2645 | 55.71 | 6.201 | 8.452 | 210 | | | 34.4 | 6.1 | | | |

2

ADAPTATION TO CLIMATE
 NATIONAL BUREAU OF STANDARDS

PSYCHROMETRIC SUMMARY

STATION LYNCHVILLE, VA STATION NAME LYNCHVILLE YEARS 1951-1952 MONTH 11
 HOURS 11

| 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. Wet Bulb | Dry Bulb Dew Point | | | |
| 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | $\Sigma x'$ | Σx | \bar{x} | s_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 (OLA) 8-54 REVISIONS EDITORS OF THIS MANUAL OBSOLETE

FEDERAL BUREAU OF SURVEY
UNITED STATES DEPARTMENT OF COMMERCE
WEATHER SERVICE

PSYCHROMETRIC SUMMARY

STATION: ULMERSVILLE AFB YEARS: 73-5 MONTH: MAY-11
STATION NAME: ULMERSVILLE AFB YEARS: 73-5 MONTH: MAY-11

FACT MAY-11
HOURS: 11 HOURS (L.S.T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL HOURS (L.S.T.) | |
|--------------|-------------------------------------|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-------|-----------|-------------------------|----------|
| | 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 |
| 71 | .1 | .2 | .3 | .4 | .5 | .6 | .7 | .8 | .9 | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3.0 | ≥ 31 | | | | |

| Element (X) | $\sum x^2$ | $\sum x$ | \bar{x} | s_x^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|------------|----------|-----------|---------|----------|------------------------------------|--------|--------|--------|--------|--------|-----|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Rel. Hum. | 35.7517 | 5.731 | 56.7 | 16.240 | 0.5 | | | | | | | |
| Dry Bulb | 3.1510 | 5.97 | 64.2 | 9.294 | 0.5 | | | 39.6 | 28.4 | 5.7 | | 6.5 |
| Wet Bulb | 97.57 | 5.217 | 54.1 | 8.572 | 0.5 | | | 12.7 | 1.7 | | | 5.5 |
| Dew Point | 25537 | 45.02 | 40.1 | 7.68 | 0.5 | | | 5.2 | 5.2 | | | 2.2 |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ALLIANCE AIRCRAFT DIVISION
 STATION

PSYCHROMETRIC SUMMARY

STATION NAME: ALTI... YEARS: MONTH: 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 | | |
| 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | Σ X ² | Σ X | X | n | 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) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL BUREAU OF SURVEY
UNITED STATES DEPARTMENT OF COMMERCE
METEOROLOGICAL SERVICE

PSYCHROMETRIC SUMMARY

STATION: LYTHSVILLE, ALB. YEARS: 1935 MONTH: 1-14
STATION NAME: LYTHSVILLE, ALB. YEARS: 1935 MONTH: 1-14
HOURS: 14

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | | | | | | | |
| 1.2 | 0 | 0.5 | 0.7 | 0.8 | 0.9 | 1.1 | 1.3 | 1.5 | 1.8 | 2.3 | 3.0 | 4.0 | 5.5 | 7.5 | 10.5 | 16.0 | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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USAFETAC NORM. 0-26.5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | Σ x | | N | Σ x/N | No. Obs. | Mean No. of Hours with Temperature | | | | | |
|-------------|---------|-------|------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|
| | Σ x' | Σ x | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |
| Rel. Hum. | 21.2 | 41.24 | 43 | 17.011 | 30 | | | | | | |
| Dry Bulb | 43.3454 | 1746 | 67.6 | 25.815 | 33 | | | | | | |
| Wet Bulb | 22.4335 | 914.7 | 52.1 | 17.417 | 30 | | | | | | |
| Dew Point | 23.4721 | 967.1 | 42.4 | 22.813 | 35 | | | | | | |

ALUMINUM BRANCH
 STAC
 WATER SERVICE

PSYCHROMETRIC SUMMARY

STATION WHEELERSVILLE AFB STATION NAME WHEELERSVILLE AFB YEARS 1950 MONTH 11
 HOURS 11

| 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 | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | = 0 F | = 32 F | = 67 F | = 73 F | = 80 F | = 93 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

ALBANY AIR FORCE STATION

PSYCHROMETRIC SUMMARY

STATION NAME: ALBANY AIR FORCE STATION YEARS: 1956-1957 MONTH: FEBRUARY

1956-1957
HOURS: 1,511

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | |
| 4.2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26.5 (OLA) 81-100 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | ΣX^2 | ΣX | \bar{X} | s_x | No. Obs. | Mean No. of Hours with Temperature | | | | | |
|-------------|--------------|------------|-----------|-------|----------|------------------------------------|--------|--------|--------|--------|--------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F |
| Rel. Hum. | 279.9 | 48.77 | 40.217 | 0.30 | 93 | | | | | | |
| Dry Bulb | 442.4 | 48.92 | 61.23 | 0.36 | 93 | | | 56.0 | 25.0 | 14.0 | |
| Wet Bulb | 210.77 | 33.17 | 37.8 | 0.371 | 93 | | | 17.8 | 3.0 | | |
| Dew Point | 220.551 | 44.45 | 47.811 | 0.762 | 93 | | 9.8 | 4.4 | 0.5 | | |

PSYCHROMETRIC SUMMARY

STATION LITTLE ROCK AFB STATION NAME LITTLE ROCK AFB

YEARS 73-74

MONTH

HOURS

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Σ x' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Σ x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Σ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| σ² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. Obs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CLIMATE DIVISION
 MONTHLY CLIMATE SUMMARY

PSYCHROMETRIC SUMMARY

STATION WYTHEVILLE AFB A YEARS 73-80 MONTH ALL
 STATION NAME HOURS U. 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| / 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1.0 | 17.72 | 20.71 | 7.0 | 11.0 | 1.4 | 1.7 | 0.0 | 0.0 | 0.0 | 1.0 | 0.1 | 0.1 | | | | | 744.5 | 744.0 | 744 | | | | | | | | | | | | | |

| Element (X) | Σ X ² | Σ X | \bar{X} | S _x | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|------------------|---------|-----------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-----|
| Rel. Hum. | 534,274.0 | 4,574.0 | 60.61 | 3,795 | 744 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | 744 |
| Dry Bulb | 222,114 | 4,574.0 | 60.61 | 11,111 | 744 | | | 226.4 | 112.0 | 3.0 | | 744 |
| Wet Bulb | 223,477 | 4,574.0 | 60.61 | 11,117 | 744 | | 3.1 | 71.4 | 1.0 | | | 744 |
| Dew Point | 1,171,77 | 3,423 | 45.98 | 10,752 | 744 | 61.0 | 4.5 | 7.1 | | | | 744 |

USAFETAC FORM 0 26-5 (OL A) RE-188 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 JUN 64

2

PSYCHROMETRIC SUMMARY

AL ULTIMATELY REASON OF
 TAC
 STATION SERVICE TAC

STATION LATHREVILLE AFB 7 STATION NAME 73-57 YEARS 1954 MONTH 1954
 HOURS (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 | | |
| 67 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOT | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOT | | | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

PLUMFIELD, MISSISSIPPI

STATION

STATION NO. 11017 AC

PSYCHROMETRIC SUMMARY

STATION PLUMFIELD AFB STATION NAME PLUMFIELD AFB YEARS 1951 MONTH 8

HOURS U.S.T. 24

| 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 | | | | | | | | | | | | | | | | |
| 71 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0 26 5 (OL A) RE-16C PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | $\sum X'$ | $\sum X$ | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|-----------|----------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|----|
| | | | | | | $\leq 0 F$ | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ | |
| Rel. Hum. | 134.000 | 134.000 | 67.000 | 59 | 870 | 0 | 2 | 7 | 8 | 1 | 0 | 19 |
| Dry Bulb | 272.000 | 412.000 | 41.200 | 752 | 970 | 0 | 7 | 28 | 1 | 0 | 0 | 36 |
| Wet Bulb | 272.000 | 412.000 | 41.200 | 244 | 970 | 0 | 7 | 28 | 1 | 0 | 0 | 36 |
| Dew Point | 1.23 | 31.000 | 4.717 | 440 | 870 | 0 | 2 | 7 | 8 | 1 | 0 | 19 |

PSYCHROMETRIC SUMMARY

WORLD WEATHER DATA CENTER
UNITED STATES AIR FORCE
OFFICE OF THE DIRECTOR

STATION: LYNCHVILLE AFB 1 YEARS: 73-80 MONTH: 12 0-14
STATION NAME: LYNCHVILLE AFB 1 YEARS: MONTH: HOURS (L.S.):

| 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 | | | | .1 | | .7 | .4 | .1 | .4 | .1 | | | | | | | | 19 | 47 | | | | | | | | | | | | | | | | |
| 71 | | | | .1 | | .7 | .4 | .1 | .4 | .1 | | | | | | | | 22 | 45 | | | | | | | | | | | | | | | | |
| 72 | | | | .6 | .4 | .7 | .3 | .1 | .1 | | | | | | | | | 10 | 43 | | 3 | | | | | | | | | | | | | | |
| 73 | .1 | .4 | 1.7 | .7 | | .4 | .4 | .4 | .4 | .9 | .1 | | | | | | | 44 | 43 | 76 | 1 | | | | | | | | | | | | | | |
| 74 | | .7 | 1.0 | .8 | | .7 | .7 | .7 | .3 | .7 | | | | | | | | 45 | 44 | 74 | 7 | | | | | | | | | | | | | | |
| 75 | | 1.1 | .7 | .4 | | .6 | 1.3 | 1.1 | .2 | .4 | | | | | | | | 42 | 42 | 72 | 17 | | | | | | | | | | | | | | |
| 76 | | .7 | .7 | .1 | | .7 | 1.1 | .7 | .1 | .1 | | | | | | | | 47 | 44 | 74 | 21 | | | | | | | | | | | | | | |
| 77 | | 1.2 | .7 | .2 | | 1.3 | 1.2 | .7 | .1 | | | | | | | | | 47 | 47 | 74 | 34 | | | | | | | | | | | | | | |
| 78 | | .9 | .4 | .7 | | 1.0 | .4 | .4 | | | | | | | | | | 44 | 49 | 73 | 31 | | | | | | | | | | | | | | |
| 79 | | .7 | .4 | .6 | 1.1 | 1.0 | 1.2 | .4 | | | | | | | | | | 44 | 41 | 79 | 22 | | | | | | | | | | | | | | |
| 80 | | 1.1 | .6 | .3 | 1.1 | .5 | .8 | .1 | | | | | | | | | | 43 | 49 | 71 | 17 | | | | | | | | | | | | | | |
| 81 | | .6 | 1.0 | .9 | 1.7 | 1.3 | .1 | .2 | | | | | | | | | | 44 | 44 | 75 | 30 | | | | | | | | | | | | | | |
| 82 | | .6 | 1.0 | 1.7 | 1.0 | .7 | .1 | .3 | | | | | | | | | | 47 | 43 | 77 | 34 | | | | | | | | | | | | | | |
| 83 | | 1.5 | 1.2 | 1.0 | .7 | .1 | .2 | | | | | | | | | | | 41 | 40 | 79 | 18 | | | | | | | | | | | | | | |
| 84 | | .1 | 1.0 | 1.0 | .7 | .1 | .1 | | | | | | | | | | | 41 | 41 | 73 | 12 | | | | | | | | | | | | | | |
| 85 | | .1 | .1 | .1 | 1.1 | .1 | | | | | | | | | | | | 42 | 43 | 71 | 7 | | | | | | | | | | | | | | |
| 86 | | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | | 42 | 43 | 71 | 7 | | | | | | | | | | | | | | |
| 87 | .4 | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | | 41 | 41 | 71 | 14 | | | | | | | | | | | | | | |
| 88 | .1 | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | | 41 | 41 | 70 | 14 | | | | | | | | | | | | | | |
| 89 | .1 | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | | 41 | 41 | 70 | 14 | | | | | | | | | | | | | | |
| 90 | | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | | 41 | 41 | 70 | 14 | | | | | | | | | | | | | | |
| 91 | | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | | 41 | 41 | 70 | 14 | | | | | | | | | | | | | | |
| 92 | | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | | 41 | 41 | 70 | 14 | | | | | | | | | | | | | | |
| 93 | | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | | 41 | 41 | 70 | 14 | | | | | | | | | | | | | | |
| 94 | | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | | 41 | 41 | 70 | 14 | | | | | | | | | | | | | | |
| 95 | | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | | 41 | 41 | 70 | 14 | | | | | | | | | | | | | | |
| 96 | | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | | 41 | 41 | 70 | 14 | | | | | | | | | | | | | | |
| 97 | | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | | 41 | 41 | 70 | 14 | | | | | | | | | | | | | | |
| 98 | | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | | 41 | 41 | 70 | 14 | | | | | | | | | | | | | | |
| 99 | | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | | 41 | 41 | 70 | 14 | | | | | | | | | | | | | | |
| 100 | | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | | 41 | 41 | 70 | 14 | | | | | | | | | | | | | | |
| Σ X² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Σ X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X̄ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| s² | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. Obs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 0 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 32 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 67 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 73 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 80 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ≤ 93 F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26 5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

PSYCHROMETRIC SUMMARY

ALL OBSERVATIONS SHALL BE MADE AT THE SAME PLACE AND AT THE SAME HOUR

STATION NAME: WHEELSVILLE AFB YEARS: _____

MONTH: _____ HOURS: _____

| Temp 1°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 | |
| 75 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | ΣX^2 | ΣX | \bar{X} | No. Obs. | Mean No. of Hours with Temperature | | | | | Total |
|-------------|--------------|------------|------------|----------|------------------------------------|--------|--------|--------|--------|-------|
| | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | |
| Rel. Hum. | 20000000 | 13000 | 5000000000 | 200 | | | | | | |
| Dry Bulb | 20000000 | 13000 | 5000000000 | 200 | | | | | | |
| Wet Bulb | 20000000 | 13000 | 5000000000 | 200 | | | | | | |
| Dew Point | 20000000 | 13000 | 5000000000 | 200 | | | | | | |

FEDERAL BUREAU OF INVESTIGATION
CLIMATE DIVISION

PSYCHROMETRIC SUMMARY

STATION: WESTVILLE AFB STATION NAME: WESTVILLE AFB YEARS: 1952 MONTH: JULY
 PAUSE: 1 HOURS (L.S.T.): 12-17

| 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. Wet Bulb | Wet Bulb Dew Point | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | $\sum X^2$ | $\sum X$ | \bar{X} | s_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ref. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0 26-5 (OL A) REVISED EDITIONS OF THIS FORM ARE OBSOLETE

2

ALBUQUERQUE, N. MEXICO
 STATION NAME

PSYCHROMETRIC SUMMARY

STATION ALBUQUERQUE AFB STATION NAME ALBUQUERQUE AFB YEARS 1951 MONTH 12
 HOURS 24

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | |
|-------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----------|----------|----------|-----------|--|--|--|--|--|--|--|--|--|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | O.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | |
| 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | |

USAFETAC FORM 0265 (OLA) JUL 54 REVISION 10-1-54

| Element (X) | $\Sigma x'$ | Σx | \bar{x} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|-------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|---|
| | | | | | | = 0 F | = 32 F | = 67 F | = 73 F | = 80 F | = 93 F | |
| Rel. Hum. | 1 | 4127 | 4127 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 9 |
| Dry Bulb | 1 | 4127 | 4127 | 0 | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 9 |
| Wet Bulb | 1 | 4127 | 4127 | 0 | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 9 |
| Dew Point | 1 | 4127 | 4127 | 0 | 9 | 1 | 1 | 1 | 1 | 1 | 1 | 9 |

U.S. AIR FORCE METEOROLOGICAL SERVICE
 FORM 0-26-5 (OL A)
 1-1-54

PSYCHROMETRIC SUMMARY

STATION: ENTREPRENEUR STATION NAME: ENTREPRENEUR YEARS: 1954 MONTH: APR 1
 HOURS: 24

| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | $\Sigma X'$ | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISIONS (EDITIONS) OF THIS MESSAGE OBSOLETE

2

ACCOUNTABLE TO AIRC...
STATION NAME

PSYCHROMETRIC SUMMARY

STATION AIRPORT AFB A YEARS MONTH HOURS U.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 | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 71 | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 72 | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 73 | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 74 | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 75 | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 76 | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 77 | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 78 | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 79 | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 80 | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 81 | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 82 | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 83 | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 84 | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 85 | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 86 | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 87 | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 88 | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 89 | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 90 | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 91 | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 92 | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 93 | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 94 | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 95 | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 96 | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 97 | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 98 | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 99 | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 100 | | |

USAFETAC FORM 0265 (OLA) REVIS 1-65 (L. S. T.)

| Element (X) | Σx' | Σx | X̄ | n | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|-----------|-----------|--------|-----|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 5067.116 | 5067.116 | 50.67 | 100 | 7122 | = 0 F | = 32 F | = 67 F | = 73 F | = 80 F | = 93 F | 7122 |
| Dry Bulb | 15244.224 | 15244.224 | 152.44 | 100 | 7122 | | | | | | | 7122 |
| Wet Bulb | 17477.364 | 17477.364 | 174.77 | 100 | 7122 | | | | | | | 7122 |
| Dew Point | 18744.484 | 18744.484 | 187.44 | 100 | 7122 | | | | | | | 7122 |

2

FEDERAL BUREAU OF INVESTIGATION
 NATIONAL CLIMATOLOGY SERVICE
 METEOROLOGICAL SERVICE DIVISION

PSYCHROMETRIC SUMMARY

STATION LYNCHVILLE FEB 3 STATION NAME LYNCHVILLE YEARS 1950 MONTH FEB
 HOURS 5 7

| Temp :F | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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. | TOTAL Wet Bulb Dew Point | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | |

FORM NO. 0-26.5 (OL A) REVISION PREVIOUS EDITIONS OF THIS MANUAL OBSOLETE
 USAFETAC JUL 66

| Element (X) | Σ X' | Σ X | X̄ | s _x | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|-------|-------|-------|----------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Rel. Hum. | 5.46 | 21.44 | 72.30 | 2.14 | 93 | | | | | | | |
| Dry Bulb | 14.69 | 75.76 | 3.24 | 5.76 | 93 | | 26.4 | 1.2 | | | | |
| Wet Bulb | 1.22 | 23.72 | 3.24 | 2.37 | 93 | | | 2.7 | | | | |
| Dew Point | 1.22 | 23.72 | 3.24 | 2.37 | 93 | | | 3.1 | | | | |

2

PSYCHROMETRIC SUMMARY

U.S. AIR FORCE
 CLIMATE DIVISION
 WASHINGTON, D.C.

STATION LITTLE ROCK AFB A YEARS 73-74 MONTH
STATION NAME YEARS MONTH
HOURS (L.S.T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | |
| 7-11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26.5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

| Element (X) | $\Sigma X'$ | ΣX | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|-------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|--|
| Rel. Hum. | | 74.25 | 74.25 | 7.4 | 30 | = 0 F | = 32 F | = 67 F | = 73 F | = 80 F | = 93 F | |
| Dry Bulb | 14.12 | 74.25 | 74.25 | 7.4 | 30 | | | | | | | |
| Wet Bulb | 14.22 | 74.25 | 74.25 | 7.4 | 30 | | | | | | | |
| Dew Point | 14.32 | 74.25 | 74.25 | 7.4 | 30 | | | | | | | |

PSYCHROMETRIC SUMMARY

STATION: LAUREL HILL AFB STATION NAME: LAUREL HILL AFB YEARS: 1954 MONTH: 12
 HOURS: 5

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Σ x' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Σ x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| f _s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. Obs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | Total | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 04 0 26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

PL CLIMATE...

PSYCHROMETRIC SUMMARY

STATION: STATION NAME: YEARS: MONTH:
 HOURS:

| 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 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM NO. 5 (OL A) REVISION (10-68) (SEE INSTRUCTIONS) (13) THIS FORM (48) 48-11-117

| Element (X) | Σx^2 | Σx | \bar{x} | s_x^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|--------------|------------|-----------|---------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 5 | 234 | 46.8 | 7 | 230 | = 0 F | = 32 F | = 67 F | = 73 F | = 80 F | = 93 F | Total |
| Dry Bulb | 2 | 4 | 2 | 2 | 2 | | 3 | 1 | 1 | | | 2 |
| Wet Bulb | 1 | 2 | 1 | 1 | 2 | | | | | | | 2 |
| Dew Point | 1 | 4 | 2 | 1 | 2 | | | | | | | 2 |

ALCANTARA
 STAD
 PATH

PSYCHROMETRIC SUMMARY

STATION LYNCHBURG AFB STATION NAME LYNCHBURG AFB YEARS 1951 MONTH 11
 HOURS 11

| 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 | | | | | | | | | | | | | | | | |
| 11.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element | Σx^2 | Σx | \bar{x} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-----------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| Rel. Hum. | 410000 | 21000 | 71.0 | 12.5 | 6 | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Dry Bulb | 110000 | 21000 | 71.0 | 12.5 | 6 | | | | | | | |
| Wet Bulb | 110000 | 21000 | 71.0 | 12.5 | 6 | | | | | | | |
| Dew Point | 110000 | 21000 | 71.0 | 12.5 | 6 | | | | | | | |

AL CLIMATE RESEARCH
 7-17
 MATHEMATICS DIVISION

PSYCHROMETRIC SUMMARY

STATION: ENTHRETTLE AFB 3 YEARS: 73-74 MONTH: JUN
 STATION NAME: ENTRETTLE AFB 3 YEARS: 73-74 MONTH: JUN
 DATE: 12-14-74
 HOURS: 15.7

| 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. Wet Bulb | Wet Bulb Dew Point | | | | | | | | | | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 81 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 85 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 93 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 97 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 98 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Σ X' | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Σ X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| \bar{X} | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| s _x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| No. Obs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISÉ PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

2

PSYCHROMETRIC SUMMARY

ALBUQUERQUE
 TAZ
 1954

STATION NAME STATION NAME YEARS MONTH HOURS PER DAY

| 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 | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | $\sum x$ | $\sum x^2$ | \bar{x} | σ^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|----------|------------|-----------|------------|----------|------------------------------------|------|------|------|------|-------|--|
| Rel. Hum. | 42.6 | 1811 | 6.3 | 21.6 | 67 | 0 F | 32 F | 67 F | 73 F | 80 F | 93 F | |
| Dry Bulb | 42.6 | 1811 | 6.3 | 21.6 | 67 | | | | | | | |
| Wet Bulb | 42.6 | 1811 | 6.3 | 21.6 | 67 | | | | | | | |
| Dew Point | 42.6 | 1811 | 6.3 | 21.6 | 67 | | | | | | | |

USAFETAC FORM 0-765 (OLA) 89-110 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

ALBUQUERQUE AIR FORCE BASE
 STATION
 1950-1951

PSYCHROMETRIC SUMMARY

STATION ALBUQUERQUE AIR FORCE BASE STATION NAME ALBUQUERQUE AIR FORCE BASE YEARS 1950-1951 MONTH 12
 HOURS 12

| 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 | | | | | | | | | | | | | |
| 17 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | | | | 4 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) RE-110 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

| Element (X) | ΣX^2 | ΣX | \bar{X} | σ_n | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|--------------|------------|-----------|------------|----------|------------------------------------|--------|--------|--------|--------|--------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | |
| Rel. Hum. | 40000 | 147 | 216.16 | 1.5 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dry Bulb | 100000 | 41 | 140.34 | 1.0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Wet Bulb | 100000 | 37 | 127.59 | 1.0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dew Point | 100000 | 14 | 48.28 | 1.0 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

PSYCHROMETRIC SUMMARY

STATION NAME: WILLIAMSBURG AFB VA YEARS: 1950 MONTH: 10
 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0265 (OL A) RE-DESIGNED BY THE U.S. AIR FORCE

| Element (X) | $\Sigma X'$ | ΣX | R | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|-------------|-------------|------------|--------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| | | | | | | $\leq 0 F$ | $\leq 32 F$ | $\leq 67 F$ | $\leq 73 F$ | $\leq 80 F$ | $\leq 93 F$ | Total |
| Rel. Hum. | 11621.2 | 3089 | 73.712 | 1.27 | 927 | | | | | | | |
| Dry Bulb | 16173.2 | 3322 | 41.419 | 1.27 | 927 | | 1.5 | 1.5 | | | | |
| Wet Bulb | 14424.2 | 3422 | 38.227 | 1.27 | 927 | | 2.7 | 3.1 | | | | |
| Dew Point | 11621.2 | 3089 | 73.712 | 1.27 | 927 | | 7 | 47.4 | | | | |

4411217000000000
 0100
 0101 - 0102 - 0103

PSYCHROMETRIC SUMMARY

STATION ALL THE HILLS AFB STATION NAME 77-81 YEARS 1962
 MONTH 1
 HOURS 15

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 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 | 4 | 4 | 4 | 1 | 7 | 21 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 127 |

| Element (X) | $\Sigma x'$ | Σx | \bar{x} | σ_s | No. Obs. | Mean No. of Hours with Temperature | | | | | | Total |
|-------------|-------------|------------|-----------|------------|----------|------------------------------------|-------------|-------------|-------------|-------------|-------------|-------|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | |
| Rel. Hum. | 4.25 | 7.223 | 75.902 | 0.36 | 927 | | | | | | | |
| Dry Bulb | 1422.3 | 2641 | 73.500 | 2.30 | 927 | | 1 | 1 | 2 | | | 5 |
| Wet Bulb | 1451.7 | 3477.0 | 36.940 | 2.21 | 927 | | | | 3 | | | 3 |
| Dew Point | 102.76 | 30.6 | 33.311 | 0.51 | 927 | | 49 | 6 | | | | 55 |

USAFETAC FORM 0-26 5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

123456 BLYTHEVILLE AFB AR

73-82

| HR | MEAN | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNA |
|------|--------|--------|-------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0-00 | 32.7 | 36.6 | 46.2 | 55.9 | 64.1 | 71.9 | 76.4 | 73.4 | 66.5 | 55.1 | 47.1 | 38.6 | 35.6 | 15.6 |
| | 11.865 | 11.977 | 1.364 | 8.814 | 6.544 | 5.485 | 4.170 | 4.618 | 7.703 | 9.591 | 10.727 | 10.576 | 16.974 | 16.974 |
| | 930 | 846 | 930 | 900 | 926 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 930 | 10952 |
| 1-00 | 31.5 | 35.4 | 46.5 | 53.9 | 62.2 | 69.8 | 74.5 | 71.6 | 64.8 | 53.2 | 45.7 | 37.5 | 34.5 | 54.0 |
| | 11.818 | 11.961 | 1.537 | 8.935 | 7.329 | 5.594 | 4.632 | 4.735 | 7.893 | 9.674 | 10.784 | 10.536 | 16.803 | 16.803 |
| | 930 | 846 | 930 | 900 | 927 | 898 | 930 | 930 | 900 | 930 | 900 | 930 | 930 | 10951 |
| 2-00 | 31.0 | 35.0 | 46.6 | 55.4 | 65.0 | 73.4 | 77.3 | 73.9 | 66.4 | 54.2 | 45.3 | 36.8 | 33.8 | 55.1 |
| | 12.268 | 12.417 | 1.781 | 8.870 | 7.473 | 5.999 | 4.746 | 5.177 | 7.876 | 9.730 | 10.815 | 10.376 | 16.826 | 16.826 |
| | 930 | 845 | 929 | 899 | 926 | 910 | 930 | 930 | 900 | 930 | 900 | 930 | 930 | 10949 |
| 3-00 | 34.6 | 39.7 | 52.2 | 62.7 | 72.1 | 80.6 | 84.7 | 81.8 | 74.8 | 64.2 | 51.8 | 41.1 | 38.1 | 61.8 |
| | 12.708 | 12.986 | 1.177 | 9.429 | 8.085 | 5.474 | 5.576 | 5.606 | 7.599 | 9.294 | 10.752 | 10.271 | 19.333 | 19.333 |
| | 930 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 930 | 10956 |
| 4-00 | 36.1 | 43.8 | 58.6 | 68.9 | 75.9 | 84.3 | 88.7 | 86.0 | 79.0 | 69.6 | 58.4 | 45.2 | 42.2 | 66.1 |
| | 13.169 | 13.859 | 1.884 | 9.941 | 8.251 | 6.658 | 6.322 | 6.116 | 7.864 | 9.615 | 11.333 | 10.731 | 19.547 | 19.547 |
| | 930 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 929 | 929 | 10955 |
| 5-00 | 38.9 | 45.1 | 57.7 | 67.8 | 76.4 | 84.6 | 89.0 | 86.1 | 79.0 | 69.2 | 55.8 | 45.1 | 42.1 | 66.3 |
| | 12.902 | 13.904 | 1.738 | 9.768 | 8.183 | 6.613 | 6.252 | 6.251 | 7.852 | 9.536 | 11.162 | 10.345 | 19.391 | 19.391 |
| | 930 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 929 | 929 | 10955 |
| 6-00 | 35.7 | 41.1 | 53.6 | 63.2 | 71.9 | 80.4 | 84.3 | 80.6 | 72.6 | 61.3 | 50.6 | 41.4 | 38.4 | 51.5 |
| | 11.973 | 12.422 | 1.733 | 9.126 | 7.600 | 6.151 | 5.921 | 5.527 | 7.589 | 8.809 | 10.180 | 9.912 | 16.548 | 16.548 |
| | 930 | 845 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 927 | 927 | 10952 |
| 7-00 | 33.0 | 38.6 | 50.4 | 58.8 | 67.1 | 75.1 | 79.2 | 75.9 | 68.5 | 57.4 | 48.3 | 39.5 | 36.5 | 57.8 |
| | 11.816 | 11.898 | 1.375 | 8.586 | 6.786 | 5.472 | 4.606 | 4.683 | 7.520 | 8.889 | 10.476 | 10.230 | 17.403 | 17.403 |
| | 930 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 927 | 927 | 10953 |
| 8-00 | 34.6 | 39.4 | 51.5 | 60.6 | 69.3 | 77.5 | 81.8 | 78.7 | 71.4 | 61.5 | 50.1 | 40.6 | 37.6 | 59.8 |
| | 12.524 | 13.126 | 1.679 | 10.455 | 8.124 | 6.076 | 7.441 | 7.602 | 9.403 | 11.211 | 11.480 | 10.795 | 16.839 | 16.839 |
| | 744 | 6766 | 7439 | 7199 | 7429 | 7198 | 7440 | 7440 | 7200 | 7440 | 7200 | 7432 | 7432 | 67623 |

2
 CENTRAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR FORCE WATER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

NET-DAILY TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

25416 CRYSTHILLE AFB AR

73-87

| | AN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| 0-02 | 30.0 | 34.1 | 44.7 | 51.2 | 59.5 | 66.7 | 71.4 | 69.6 | 63.3 | 51.4 | 44.0 | 36.0 | 52.0 |
| MEAN | 11.487 | 11.278 | 10.314 | 8.270 | 6.551 | 5.345 | 3.519 | 4.171 | 7.596 | 9.191 | 10.650 | 10.230 | 16.158 |
| TOTAL OBS | 830 | 846 | 930 | 900 | 926 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 10952 |
| 0-5 | 27.0 | 33.1 | 43.3 | 49.9 | 58.6 | 65.5 | 70.5 | 68.6 | 62.1 | 50.1 | 42.8 | 35.1 | 50.9 |
| MEAN | 11.340 | 11.425 | 10.276 | 8.553 | 7.083 | 5.539 | 3.626 | 4.385 | 7.829 | 9.469 | 10.707 | 10.327 | 16.239 |
| TOTAL OBS | 830 | 846 | 930 | 900 | 927 | 898 | 930 | 930 | 900 | 930 | 898 | 930 | 10949 |
| 5-10 | 29.1 | 32.8 | 43.3 | 51.0 | 60.3 | 67.6 | 72.1 | 70.1 | 63.2 | 50.9 | 42.6 | 34.6 | 51.6 |
| MEAN | 12.14 | 11.552 | 10.492 | 8.571 | 7.135 | 5.277 | 3.710 | 4.346 | 7.675 | 9.487 | 10.805 | 10.280 | 16.985 |
| TOTAL OBS | 829 | 845 | 929 | 899 | 926 | 900 | 930 | 930 | 900 | 930 | 898 | 930 | 10946 |
| 10-15 | 31.0 | 36.1 | 46.5 | 54.9 | 63.6 | 70.2 | 75.1 | 73.5 | 67.3 | 56.1 | 46.7 | 37.7 | 55.1 |
| MEAN | 12.34 | 11.885 | 10.425 | 8.413 | 6.980 | 5.250 | 3.687 | 3.923 | 6.917 | 8.572 | 10.244 | 10.174 | 16.927 |
| TOTAL OBS | 827 | 846 | 930 | 900 | 930 | 900 | 930 | 929 | 900 | 930 | 898 | 930 | 10950 |
| 15-20 | 34.3 | 37.8 | 49.2 | 56.9 | 64.9 | 71.0 | 75.7 | 74.5 | 68.4 | 58.1 | 49.0 | 40.4 | 56.9 |
| MEAN | 12.139 | 11.946 | 10.328 | 8.123 | 6.627 | 5.000 | 3.550 | 3.803 | 6.722 | 8.417 | 10.141 | 10.340 | 16.247 |
| TOTAL OBS | 829 | 845 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 898 | 909 | 10951 |
| 20-25 | 34.0 | 39.6 | 48.9 | 57.2 | 64.9 | 70.8 | 75.3 | 74.3 | 68.3 | 57.8 | 48.7 | 40.5 | 56.9 |
| MEAN | 11.883 | 11.790 | 10.189 | 7.864 | 6.425 | 4.850 | 3.401 | 3.727 | 6.656 | 8.371 | 10.030 | 10.143 | 16.954 |
| TOTAL OBS | 830 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 928 | 10954 |
| 25-30 | 32.0 | 37.5 | 46.2 | 55.4 | 63.4 | 69.6 | 74.2 | 72.9 | 66.5 | 54.7 | 46.2 | 38.2 | 55.1 |
| MEAN | 11.496 | 11.318 | 9.907 | 7.894 | 6.488 | 4.874 | 3.452 | 3.859 | 6.931 | 8.550 | 10.020 | 9.697 | 16.161 |
| TOTAL OBS | 830 | 845 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 927 | 10952 |
| 30-35 | 31.0 | 35.7 | 46.3 | 53.2 | 61.4 | 68.1 | 72.7 | 71.0 | 64.5 | 52.8 | 44.6 | 36.8 | 53.3 |
| MEAN | 11.394 | 11.081 | 9.672 | 7.979 | 6.616 | 5.158 | 3.447 | 3.970 | 7.304 | 8.736 | 10.420 | 10.021 | 16.143 |
| TOTAL OBS | 830 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 927 | 10953 |
| ALL MONTHS | 31.0 | 36.0 | 46.5 | 53.7 | 62.1 | 68.7 | 73.4 | 71.8 | 65.4 | 54.0 | 45.6 | 37.4 | 54.0 |
| MEAN | 11.93 | 11.779 | 10.461 | 8.620 | 7.143 | 5.511 | 4.004 | 4.568 | 7.575 | 9.317 | 10.511 | 10.351 | 16.575 |
| TOTAL OBS | 7435 | 6765 | 7438 | 7199 | 7429 | 7198 | 7440 | 7439 | 7000 | 7440 | 7192 | 7431 | 87607 |

NATIONAL CLIMATOLOGY BUREAU
 AFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

823418 BLYTHEVILLE AFB AR

73-82

| REF | MEAN | AN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN A |
|-----------|--------|--------|--------|--------|-------|-------|-------|-------|-------|--------|--------|--------|--------|-------|
| 0-02 | 26.0 | 29.7 | 43.5 | 46.8 | 50.5 | 63.5 | 68.8 | 67.7 | 61.3 | 47.9 | 43.0 | 31.7 | 48.4 | |
| | 13.335 | 12.545 | 11.449 | 9.393 | 8.128 | 6.483 | 4.279 | 4.599 | 8.248 | 10.162 | 12.156 | 11.904 | 17.490 | 10952 |
| | 930 | 846 | 930 | 900 | 926 | 900 | 930 | 930 | 900 | 930 | 900 | 930 | 930 | |
| -01 | 26.2 | 28.8 | 39.4 | 46.0 | 55.9 | 62.9 | 68.3 | 66.9 | 60.3 | 47.1 | 39.2 | 31.1 | 47.7 | |
| | 13.544 | 12.733 | 11.729 | 9.655 | 8.129 | 6.456 | 4.231 | 4.733 | 8.375 | 10.322 | 12.094 | 11.971 | 17.613 | |
| | 930 | 846 | 930 | 900 | 927 | 898 | 930 | 930 | 900 | 930 | 898 | 930 | 930 | 10949 |
| -02 | 24.1 | 28.7 | 39.2 | 46.6 | 57.0 | 64.2 | 69.5 | 68.1 | 61.2 | 47.7 | 39.1 | 30.7 | 46.2 | |
| | 14.353 | 12.959 | 11.974 | 9.880 | 8.256 | 6.335 | 4.238 | 4.639 | 8.270 | 10.390 | 12.015 | 12.008 | 18.199 | |
| | 927 | 845 | 929 | 899 | 926 | 900 | 930 | 930 | 900 | 930 | 898 | 930 | 930 | 10946 |
| -11 | 26.2 | 30.3 | 40.6 | 48.0 | 57.8 | 64.5 | 70.7 | 69.6 | 62.7 | 49.1 | 40.7 | 32.3 | 49.5 | |
| | 14.866 | 13.397 | 12.441 | 10.445 | 9.093 | 7.084 | 4.611 | 4.757 | 8.649 | 10.968 | 12.420 | 12.305 | 18.317 | |
| | 927 | 846 | 930 | 900 | 930 | 900 | 930 | 929 | 900 | 930 | 898 | 930 | 930 | 10950 |
| 1-14 | 27.0 | 31.7 | 41.4 | 48.4 | 57.5 | 63.8 | 69.7 | 69.1 | 62.2 | 48.4 | 40.9 | 33.0 | 49.6 | |
| | 14.854 | 13.351 | 12.521 | 10.537 | 9.206 | 7.386 | 4.961 | 5.066 | 8.908 | 11.613 | 12.946 | 12.946 | 17.863 | |
| | 929 | 845 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 898 | 929 | 929 | 10951 |
| -17 | 27.5 | 32.1 | 41.7 | 48.3 | 57.3 | 63.2 | 69.0 | 68.7 | 62.0 | 47.9 | 40.8 | 33.9 | 49.5 | |
| | 14.273 | 13.114 | 12.699 | 10.526 | 9.199 | 7.482 | 5.095 | 5.199 | 8.852 | 11.762 | 12.853 | 12.899 | 17.573 | |
| | 930 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 900 | 926 | 10954 |
| 1-2 | 27.5 | 32.1 | 42.3 | 48.6 | 57.6 | 63.5 | 69.5 | 69.1 | 62.7 | 48.8 | 40.9 | 33.3 | 49.8 | |
| | 13.633 | 12.592 | 11.721 | 9.828 | 8.773 | 7.144 | 4.776 | 4.789 | 8.117 | 10.678 | 12.022 | 12.043 | 17.362 | |
| | 930 | 845 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 900 | 927 | 10952 |
| 1-23 | 26.6 | 31.0 | 41.7 | 48.1 | 57.3 | 63.9 | 69.4 | 68.5 | 61.9 | 48.4 | 40.2 | 32.3 | 49.2 | |
| | 13.307 | 12.283 | 11.336 | 9.375 | 8.303 | 6.695 | 4.395 | 4.548 | 8.119 | 10.137 | 12.053 | 11.851 | 17.420 | |
| | 930 | 846 | 930 | 900 | 930 | 900 | 930 | 930 | 900 | 930 | 900 | 900 | 927 | 10953 |
| ALL HOURS | 26.4 | 30.6 | 40.9 | 47.6 | 57.1 | 63.7 | 69.4 | 68.5 | 61.8 | 48.2 | 40.2 | 32.3 | 49.0 | |
| | 14.551 | 12.936 | 12.034 | 10.004 | 8.665 | 6.910 | 4.631 | 4.863 | 8.478 | 10.782 | 12.339 | 12.293 | 17.747 | |
| | 7435 | 6765 | 7439 | 7199 | 7429 | 7198 | 7440 | 7439 | 7200 | 7440 | 7192 | 7431 | 87607 | |

2

FEDERAL CLIMATOLOGY BRANCH
 WASHINGTON, D.C. 20541
 METEOROLOGICAL SERVICE/FAO

RELATIVE HUMIDITY

STATION

LYTHEVILLE AFB A

73-82

PERIOD

JAN
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|--------|----------------|--|-------|-------|-------|------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | 00-01 | 100.0 | 100.0 | 100.0 | 99.3 | 97.0 | 88.1 | 69.9 | 42.3 | 13.3 | 76.3 | 73 |
| | 02-05 | 100.0 | 100.0 | 100.0 | 100.0 | 97.6 | 90.9 | 72.6 | 46.5 | 16.0 | 71.2 | 73 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.9 | 97.2 | 89.6 | 71.4 | 47.5 | 18.6 | 73.1 | 99 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.1 | 90.5 | 78.0 | 55.3 | 31.3 | 13.6 | 72.4 | 127 |
| | 12-14 | 100.0 | 100.0 | 99.7 | 93.5 | 79.2 | 58.7 | 37.9 | 22.0 | 8.7 | 65.9 | 90 |
| | 15-17 | 100.0 | 100.0 | 99.4 | 93.3 | 80.4 | 57.8 | 37.6 | 25.0 | 8.6 | 65.4 | 175 |
| | 18-20 | 100.0 | 100.0 | 99.9 | 98.7 | 92.8 | 80.5 | 58.9 | 31.1 | 11.9 | 72.5 | 133 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.5 | 95.7 | 85.9 | 67.5 | 38.2 | 12.4 | 75.5 | 121 |
| TOTALS | | 100.0 | 100.0 | 99.9 | 97.9 | 91.3 | 78.7 | 59.7 | 35.0 | 12.8 | 73.1 | 7435 |

USAFETAC

FORM
 JUL 64

0-87-5 (OL A)

2

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
METEOROLOGICAL WEATHER SERVICE/MAC

RELATIVE HUMIDITY

72304 WLYTHEVILLE AFB AF 73-52 FEB 1954
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 | | |
| FEB | 01-04 | 100.0 | 100.0 | 100.0 | 99.6 | 98.2 | 89.6 | 58.1 | 41.6 | 13.7 | 76.5 | 645 |
| | 05-07 | 100.0 | 100.0 | 100.0 | 99.5 | 98.8 | 91.8 | 72.0 | 43.4 | 13.7 | 77.5 | 644 |
| | 08-10 | 100.0 | 100.0 | 100.0 | 99.8 | 98.9 | 93.7 | 75.3 | 44.1 | 15.9 | 78.2 | 643 |
| | 11-13 | 100.0 | 100.0 | 99.9 | 98.7 | 89.5 | 73.3 | 49.6 | 27.8 | 9.7 | 70.5 | 642 |
| | 14-16 | 100.0 | 100.0 | 99.2 | 90.5 | 75.7 | 57.4 | 38.9 | 20.3 | 7.3 | 64.6 | 641 |
| | 17-19 | 100.0 | 100.0 | 97.9 | 87.9 | 73.4 | 54.6 | 33.9 | 19.6 | 6.9 | 63.1 | 640 |
| | 20-22 | 100.0 | 100.0 | 99.9 | 98.7 | 91.6 | 75.6 | 51.5 | 31.2 | 11.7 | 71.5 | 639 |
| | 23-28 | 100.0 | 100.0 | 100.0 | 100.0 | 96.3 | 85.6 | 60.6 | 36.4 | 14.8 | 74.9 | 638 |
| TOTALS | | 100.0 | 100.0 | 99.6 | 96.6 | 90.3 | 77.7 | 56.2 | 33.1 | 11.6 | 70.1 | 6765 |

2

FEDERAL CLIMATOLOGY BRANCH
 AFETAC
 AIR FORCE WEATHER SERVICE / MAC

RELATIVE HUMIDITY

720409 STATION ELYTHEVILLE AFB AR 73-82 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% | | |
| 09-09 | 100.0 | 100.0 | 100.0 | 99.9 | 99.6 | 97.5 | 86.1 | 66.6 | 35.6 | 14.8 | 75.4 | 730 |
| 09-09 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 97.6 | 89.2 | 66.8 | 41.2 | 14.9 | 76.7 | 930 |
| 09-09 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 97.0 | 87.8 | 67.0 | 37.6 | 14.6 | 76.3 | 929 |
| 09-11 | 100.0 | 100.0 | 99.8 | 94.0 | 80.4 | 62.4 | 41.1 | 21.6 | 7.7 | 66.5 | 930 | |
| 11-14 | 100.0 | 100.0 | 96.6 | 83.2 | 64.0 | 46.2 | 28.5 | 15.3 | 4.5 | 59.5 | 930 | |
| 11-17 | 100.0 | 99.8 | 94.1 | 78.4 | 59.4 | 42.4 | 29.5 | 15.8 | 5.5 | 53.2 | 930 | |
| 11-20 | 100.0 | 100.0 | 99.5 | 84.9 | 83.1 | 64.0 | 44.9 | 23.8 | 7.8 | 67.5 | 930 | |
| 11-23 | 100.0 | 100.0 | 99.7 | 99.7 | 94.0 | 80.3 | 57.7 | 32.0 | 10.2 | 73.2 | 930 | |
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| TOTALS | | 100.0 | 100.0 | 95.7 | 93.7 | 84.1 | 69.8 | 50.3 | 27.9 | 11.1 | 66.2 | 7439 |

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FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

RELATIVE HUMIDITY

123408 STATION WYTHSVILLE AFB AR 73-82 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 | 00-07 | 100.0 | 100.0 | 100.0 | 99.7 | 95.3 | 81.7 | 52.9 | 28.3 | 7.1 | 72.3 | 577 |
| | 08-05 | 100.0 | 100.0 | 100.0 | 99.9 | 98.2 | 89.1 | 64.2 | 31.9 | 17.7 | 7.3 | 577 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 96.7 | 82.6 | 58.3 | 27.9 | 8.3 | 73.7 | 899 |
| | 09-11 | 100.0 | 100.0 | 99.4 | 91.8 | 68.4 | 45.9 | 27.8 | 13.8 | 2.6 | 63.6 | 577 |
| | 12-14 | 100.0 | 99.9 | 94.2 | 74.6 | 50.4 | 33.7 | 21.9 | 10.3 | 1.6 | 64.2 | 700 |
| | 15-17 | 100.0 | 99.3 | 91.4 | 69.3 | 46.2 | 31.4 | 19.7 | 9.6 | 2.0 | 60.6 | 970 |
| | 18-20 | 100.0 | 100.0 | 98.3 | 89.3 | 70.9 | 48.7 | 29.9 | 15.1 | 2.1 | 61.1 | 490 |
| | 21-23 | 100.0 | 100.0 | 99.9 | 99.3 | 90.2 | 70.7 | 41.1 | 21.4 | 4.9 | 66.7 | 970 |
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| | TOTALS | 100.0 | 99.9 | 97.9 | 93.4 | 77.0 | 60.5 | 39.5 | 19.8 | 5.0 | 64.7 | 7199 |

USAFETAC FORM 0-87-5 (OL A)
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AFSCAL CLIMATOLOGY BRANCH
 ETAC
 AIRCRAFT SERVICE/MAC

RELATIVE HUMIDITY

107405 WILLYTHEVILLE AFB AR 73-80 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 | 00-04 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 89.4 | 67.9 | 42.8 | 11.7 | 76.3 | 900 |
| | 05-09 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 95.7 | 80.8 | 52.2 | 17.8 | 60.4 | 900 |
| | 10-14 | 100.0 | 100.0 | 100.0 | 100.0 | 97.5 | 86.8 | 67.5 | 39.5 | 11.7 | 76.2 | 900 |
| | 15-19 | 100.0 | 100.0 | 98.2 | 80.2 | 76.6 | 63.2 | 31.6 | 15.2 | 3.5 | 62.5 | 900 |
| | 20-24 | 100.0 | 100.0 | 95.5 | 78.3 | 57.1 | 34.0 | 20.5 | 9.0 | 1.7 | 50.1 | 900 |
| | 25-29 | 100.0 | 100.0 | 92.0 | 75.7 | 55.7 | 34.0 | 19.2 | 8.9 | .8 | 54.2 | 900 |
| | 30-34 | 100.0 | 100.0 | 97.7 | 89.7 | 74.3 | 54.9 | 33.8 | 17.7 | 7.4 | 62.5 | 900 |
| | 35-39 | 100.0 | 100.0 | 100.0 | 98.8 | 92.0 | 78.8 | 55.6 | 31.2 | 7.2 | 72.1 | 900 |
| | 40-44 | | | | | | | | | | | |
| | 45-49 | | | | | | | | | | | |
| | 50-54 | | | | | | | | | | | |
| | 55-59 | | | | | | | | | | | |
| | 60-64 | | | | | | | | | | | |
| | 65-69 | | | | | | | | | | | |
| | 70-74 | | | | | | | | | | | |
| | 75-79 | | | | | | | | | | | |
| | 80-84 | | | | | | | | | | | |
| | 85-89 | | | | | | | | | | | |
| | 90-94 | | | | | | | | | | | |
| | 95-99 | | | | | | | | | | | |
| | TOTALS | 100.0 | 100.0 | 97.9 | 91.6 | 81.5 | 66.1 | 47.1 | 27.1 | 7.1 | 67.5 | 7409 |

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FEDERAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

723408 BLYTHEVILLE AFB AR
 STATION STATION NAME

73-82

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 | 01-02 | 100.0 | 100.0 | 100.0 | 100.0 | 97.1 | 90.4 | 69.8 | 33.2 | 5.2 | 75.3 | 900 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.4 | 94.2 | 84.1 | 46.9 | 9.1 | 78.3 | 898 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.8 | 96.7 | 85.1 | 63.8 | 30.2 | 4.0 | 73.0 | 900 |
| | 09-11 | 100.0 | 100.0 | 99.0 | 90.3 | 72.2 | 45.4 | 23.0 | 6.8 | .6 | 58.3 | 900 |
| | 12-14 | 100.0 | 99.9 | 95.1 | 75.9 | 48.3 | 27.3 | 12.4 | 3.7 | .3 | 51.2 | 900 |
| | 15-17 | 100.0 | 99.4 | 93.6 | 71.6 | 42.9 | 25.6 | 11.0 | 5.3 | .3 | 50.7 | 900 |
| | 18-20 | 100.0 | 100.0 | 97.9 | 87.3 | 64.9 | 41.0 | 22.4 | 10.6 | 1.0 | 54.7 | 900 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 98.2 | 91.9 | 75.3 | 45.6 | 22.2 | 2.8 | 60.0 | 900 |
| TOTALS | | 100.0 | 99.9 | 98.2 | 90.4 | 76.7 | 60.5 | 41.6 | 19.9 | 2.9 | 54.6 | 7198 |

2
 CENTRAL CLIMATOLOGY BRANCH
 AFETAC
 WEATHER SERVICE/MAC

RELATIVE HUMIDITY

223405 BLYTHEVILLE AFB AR 73-92 OCT
 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 | | |
| 10-01 | 10-00 | 100.0 | 100.0 | 100.0 | 99.8 | 98.8 | 92.3 | 75.1 | 39.5 | 9.8 | 77.0 | 930 |
| 10-01 | 10-01 | 100.0 | 100.0 | 100.0 | 99.9 | 99.5 | 96.5 | 84.4 | 58.1 | 13.7 | 71.0 | 280 |
| 10-06 | 10-06 | 100.0 | 100.0 | 100.0 | 99.8 | 98.7 | 94.7 | 79.2 | 46.2 | 13.3 | 79.2 | 930 |
| 10-11 | 10-11 | 100.0 | 100.0 | 99.7 | 88.2 | 67.7 | 44.0 | 25.6 | 13.5 | 5.4 | 56.9 | 930 |
| 10-14 | 10-14 | 100.0 | 99.7 | 91.0 | 61.5 | 37.7 | 22.9 | 13.7 | 7.1 | 2.5 | 49.3 | 930 |
| 10-17 | 10-17 | 100.0 | 99.7 | 88.5 | 61.2 | 39.0 | 24.1 | 13.4 | 7.4 | 2.2 | 49.2 | 930 |
| 10-20 | 10-20 | 100.0 | 100.0 | 99.5 | 96.8 | 83.4 | 63.2 | 32.6 | 16.5 | 3.9 | 64.9 | 930 |
| 10-23 | 10-23 | 100.0 | 100.0 | 99.9 | 99.8 | 96.6 | 83.5 | 54.7 | 25.6 | 6.1 | 72.6 | 930 |
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| TOTALS | | 100.0 | 99.9 | 97.2 | 88.4 | 77.6 | 64.8 | 47.3 | 25.7 | 6.8 | 66.5 | 7440 |

2
 CENTRAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

723402 ELYTHEVILLE AFB AR 73-02 DEC

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% | | |
| | 01-02 | 100.0 | 100.0 | 100.0 | 100.0 | 98.3 | 90.3 | 68.4 | 41.3 | 15.5 | 77.1 | 97.7 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 98.6 | 92.2 | 74.2 | 43.1 | 16.2 | 75.1 | 93.0 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.9 | 98.9 | 92.4 | 75.8 | 46.2 | 19.0 | 72.0 | 93.0 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.5 | 95.3 | 77.1 | 50.6 | 29.1 | 11.3 | 71.9 | 93 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 95.4 | 80.1 | 54.8 | 33.5 | 20.6 | 8.5 | 64.9 | 92.6 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 95.7 | 81.6 | 59.8 | 36.0 | 22.0 | 9.5 | 65.2 | 92.8 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.6 | 95.0 | 83.5 | 58.5 | 31.6 | 11.9 | 73.7 | 92.7 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.6 | 97.1 | 88.0 | 65.0 | 38.3 | 12.7 | 75.9 | 92.7 |
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| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 98.7 | 93.1 | 79.8 | 57.9 | 34.0 | 13.1 | 73.3 | 947.1 |

GENERAL CLIMATOLOGY BRANCH
 AFSTAC
 AIR WEATHER SERVICE/AFAC

RELATIVE HUMIDITY

DEPT OF AIR FORCE WYTHEVILLE AFB 41 73-82 ALL MONTH

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

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|---------------|-------------|--|-------|-------|------|------|------|------|------|------|------------------------|-----------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | ALL | 100.0 | 100.0 | 99.9 | 97.9 | 91.3 | 73.7 | 59.7 | 35.1 | 17.5 | 77.1 | 7435 |
| FEB | | 100.0 | 100.0 | 99.6 | 96.8 | 90.3 | 77.7 | 56.2 | 33.1 | 11.6 | 77.1 | 6765 |
| MAR | | 100.0 | 100.0 | 99.7 | 93.7 | 84.1 | 67.8 | 50.3 | 27.9 | 1.1 | 77.3 | 7437 |
| APR | | 100.0 | 99.9 | 97.9 | 90.4 | 77.0 | 60.5 | 39.5 | 19.3 | 5.1 | 64.7 | 7199 |
| MAY | | 100.0 | 100.0 | 97.9 | 91.6 | 81.5 | 66.1 | 47.1 | 27.1 | 7.1 | 67.5 | 7429 |
| JUN | | 100.0 | 99.9 | 98.2 | 90.4 | 76.7 | 60.5 | 41.0 | 19.9 | 2.9 | 64.5 | 7198 |
| JUL | | 100.0 | 100.0 | 99.1 | 95.1 | 84.5 | 67.8 | 48.6 | 25.6 | 4.5 | 57.7 | 7441 |
| AUG | | 100.0 | 100.0 | 99.9 | 97.7 | 89.5 | 76.4 | 59.4 | 37.8 | 9.6 | 72.6 | 7439 |
| SEP | | 100.0 | 100.0 | 99.4 | 96.2 | 89.6 | 77.7 | 63.5 | 41.2 | 5.5 | 73.4 | 7200 |
| OCT | | 100.0 | 99.9 | 97.2 | 88.4 | 77.6 | 64.8 | 47.3 | 25.7 | 6.8 | 66.6 | 7441 |
| NOV | | 100.0 | 99.9 | 98.7 | 94.2 | 86.5 | 72.9 | 54.6 | 33.0 | 9.7 | 71.8 | 7122 |
| DEC | | 100.0 | 100.0 | 100.0 | 98.7 | 93.1 | 79.8 | 57.9 | 34.0 | 13.1 | 73.3 | 7431 |
| TOTALS | | 100.0 | 100.0 | 98.9 | 94.3 | 85.1 | 71.1 | 52.1 | 30.0 | 8.5 | 67.7 | 87607 |

U S AIR FORCE
 ENVIRONMENTAL TECHNICAL
 APPLICATIONS CENTER

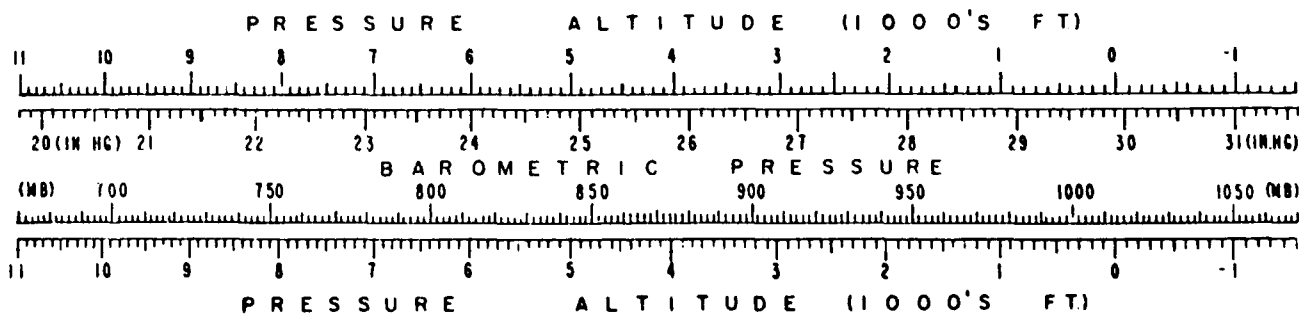
PART F PRESSURE SUMMARY

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

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

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

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



GENERAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

7234 P WLYTHEVILLE AFB AR

73-62

| YEAR | MEAN | AN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL | |
|------|---|--|------|------|------|------|------|------|------|------|------|------|------|--------|------|
| 0 | 29.85129.83129.7629.71829.65129.68429.70929.73829.74529.79829.81929.824 | .234 | .234 | .209 | .177 | .135 | .107 | .074 | .078 | .112 | .143 | .179 | .271 | .181 | |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 302 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3651 | |
| | MEAN | 29.85629.82529.69929.71229.64229.67829.69929.73029.73929.79629.81629.824 | .233 | .236 | .213 | .181 | .142 | .103 | .078 | .080 | .113 | .152 | .181 | .231 | .184 |
| | TOTAL OBS | 31 | 282 | 310 | 300 | 310 | 298 | 310 | 310 | 300 | 310 | 300 | 310 | 3650 | |
| | MEAN | 29.86129.83729.72329.74029.67329.70629.72929.75829.76429.82029.83329.831 | .235 | .239 | .214 | .184 | .146 | .112 | .081 | .082 | .115 | .156 | .184 | .229 | .183 |
| | TOTAL OBS | 31 | 281 | 309 | 299 | 309 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3648 | |
| | MEAN | 29.89329.87329.75629.76529.69129.72529.75029.78029.79029.84929.86629.866 | .242 | .241 | .215 | .187 | .147 | .110 | .080 | .082 | .116 | .159 | .185 | .271 | .187 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 | |
| 1 | MEAN | 29.87429.86329.74529.74929.67529.70929.73429.76429.77029.82029.83429.839 | .241 | .239 | .213 | .185 | .141 | .108 | .078 | .079 | .114 | .150 | .189 | .230 | .185 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 | |
| 1 | MEAN | 29.83329.81929.68729.70129.63429.66729.68829.71629.72129.77329.79129.801 | .240 | .239 | .209 | .181 | .134 | .104 | .079 | .079 | .113 | .152 | .190 | .229 | .183 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 | |
| 1 | MEAN | 29.84529.81329.68329.68829.61929.65029.67329.70329.71729.77929.80329.812 | .241 | .231 | .208 | .176 | .131 | .105 | .079 | .077 | .114 | .148 | .186 | .228 | .184 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 299 | 309 | 3650 | |
| 1 | MEAN | 29.85829.83029.70329.71729.64829.67829.70329.73729.74529.80029.81929.826 | .235 | .228 | .210 | .175 | .132 | .108 | .075 | .076 | .114 | .147 | .184 | .224 | .181 |
| | TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 309 | 3651 | |
| 1 | MEAN | 29.86129.83529.71229.72429.65429.68729.71129.74129.74929.80429.82329.828 | .245 | .236 | .212 | .182 | .140 | .110 | .080 | .083 | .116 | .154 | .186 | .230 | .185 |
| | TOTAL OBS | 2450 | 2255 | 2479 | 2399 | 2478 | 2398 | 2481 | 2480 | 2400 | 2480 | 2399 | 2478 | 29206 | |

2
 FEDERAL CLIMATOLOGY BRANCH
 METAC
 AIRCRAFT SERVICE/AC

MEANS AND STANDARD DEVIATIONS

LA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

1274 R WYTHEVILLE AFB AR

73-87

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN A |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MEAN | 20.31 | 20.01 | 18.51 | 15.81 | 13.41 | 14.41 | 15.21 | 16.21 | 16.61 | 18.51 | 19.41 | 19.7 | 18.7 |
| S.D. | .144 | 0.144 | 0.212 | 0.056 | 0.621 | 3.671 | 2.806 | 2.627 | 3.829 | 5.15 | 6.214 | 8.724 | 6.291 |
| TOTAL OBS | 310 | 282 | 310 | 300 | 309 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3651 |
| MEAN | 20.31 | 19.81 | 15.31 | 15.61 | 13.11 | 14.21 | 14.91 | 16.01 | 16.41 | 18.51 | 19.31 | 19.7 | 18.7 |
| S.D. | 0.132 | 0.208 | 0.336 | 0.217 | 0.344 | 3.675 | 2.619 | 2.698 | 3.871 | 5.237 | 6.307 | 8.724 | 6.402 |
| TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 298 | 310 | 310 | 300 | 310 | 300 | 310 | 3650 |
| MEAN | 21.10 | 20.21 | 16.11 | 16.61 | 14.21 | 15.21 | 15.91 | 17.01 | 17.31 | 19.31 | 19.91 | 20.0 | 18.7 |
| S.D. | 0.267 | 0.338 | 0.396 | 0.316 | 0.980 | 3.789 | 2.698 | 2.748 | 3.965 | 5.413 | 6.374 | 7.961 | 6.378 |
| TOTAL OBS | 310 | 281 | 309 | 299 | 309 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3648 |
| MEAN | 22.41 | 21.41 | 17.21 | 17.41 | 14.81 | 15.81 | 16.61 | 17.71 | 18.11 | 20.31 | 21.01 | 21.2 | 18.7 |
| S.D. | 0.474 | 0.409 | 0.434 | 0.434 | 0.319 | 3.759 | 2.687 | 2.754 | 3.985 | 5.548 | 6.441 | 8.030 | 6.520 |
| TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 309 | 310 | 300 | 310 | 300 | 310 | 3651 |
| MEAN | 21.10 | 21.11 | 16.71 | 16.91 | 14.31 | 15.31 | 16.11 | 17.11 | 17.41 | 19.31 | 19.91 | 20.2 | 18.8 |
| S.D. | 0.559 | 0.330 | 0.360 | 0.346 | 0.808 | 3.664 | 2.632 | 2.681 | 3.903 | 5.432 | 6.580 | 7.978 | 6.435 |
| TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| MEAN | 20.11 | 19.21 | 14.91 | 15.31 | 12.91 | 13.91 | 14.51 | 15.51 | 15.61 | 17.71 | 18.41 | 18.9 | 18.4 |
| S.D. | 0.538 | 0.252 | 0.201 | 0.172 | 0.584 | 3.555 | 2.674 | 2.678 | 3.874 | 5.209 | 6.575 | 7.917 | 6.356 |
| TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| MEAN | 20.31 | 19.31 | 14.71 | 14.81 | 12.41 | 13.31 | 14.01 | 15.11 | 15.71 | 17.91 | 18.91 | 19.3 | 18.6 |
| S.D. | 0.403 | 0.306 | 0.171 | 0.354 | 0.483 | 3.567 | 2.673 | 2.624 | 3.913 | 5.113 | 6.430 | 7.885 | 6.410 |
| TOTAL OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 299 | 310 | 300 | 309 | 3650 |
| MEAN | 21.01 | 20.01 | 15.41 | 15.81 | 13.41 | 14.31 | 15.01 | 16.21 | 16.61 | 18.71 | 19.41 | 19.8 | 18.7 |
| S.D. | 0.266 | 0.293 | 0.232 | 0.306 | 0.511 | 3.657 | 2.54 | 2.621 | 3.910 | 5.070 | 6.391 | 7.740 | 6.294 |
| TOTAL OBS | 309 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 309 | 3650 |
| MEAN | 21.01 | 20.11 | 15.71 | 16.01 | 13.61 | 14.61 | 15.31 | 16.41 | 16.71 | 18.81 | 19.51 | 19.9 | 18.7 |
| S.D. | 0.362 | 0.224 | 0.329 | 0.247 | 0.790 | 3.737 | 2.747 | 2.792 | 3.979 | 5.332 | 6.448 | 7.959 | 6.429 |
| TOTAL OBS | 247 | 2255 | 2479 | 2399 | 2478 | 2398 | 2479 | 2480 | 2399 | 2480 | 2400 | 2478 | 29204 |