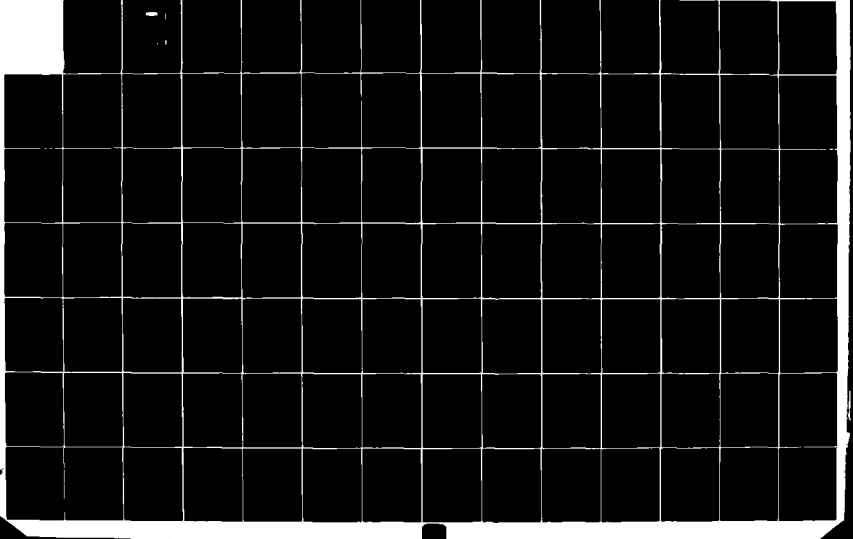
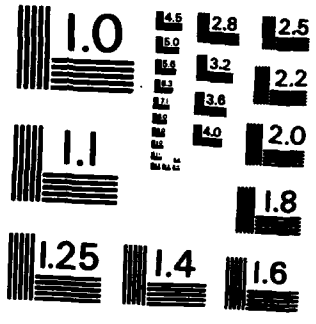
AD-A122 714 MANSFIELD/LAHM MAP OHIO REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 03 AUG 82

UNCLASSIFIED USAFETAC/DS-82/048 SBI-AD-E850 207 F/G 4/2 NL

1/5






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

PHOTOGRAPH THIS SHEET

AD-E850207

AD A122714

DTIC ACCESSION NUMBER

III

LEVEL

[redacted]

ATTENTION!
Camera Operator
When Filming attached document
use Bell & Howell camera ONLY!!!
Consult with Supervisor for
further instructions.

[redacted]

INVENTORY

USAFETAC DS-82/048

DOCUMENT IDENTIFICATION

3 Aug. 82

DISTRIBUTION STATEMENT A
Approved for public release;
Distribution Unlimited

DISTRIBUTION STATEMENT

| ACCESSION FOR | |
|---|---|
| NTIS | GRA&I |
| DTIC | TAB |
| UNANNOUNCED | |
| JUSTIFICATION | |
| BY | |
| DISTRIBUTION / | |
| AVAILABILITY CODES | |
| DIST | AVAIL AND/OR SPECIAL |
| A | |

DISTRIBUTION STAMP

DTIC
ELECTE
S DEC 22 1982 D
D

DATE ACCESSIONED

DTIC COPY INSPECTED

82 12 08 003

DATE RECEIVED IN DTIC

PHOTOGRAPH THIS SHEET AND RETURN TO DTIC-DDA-2

DTIC FORM OCT 79 70A

DOCUMENT PROCESSING SHEET

# DISCLAIMER NOTICE

THIS DOCUMENT IS BEST QUALITY PRACTICABLE. THF COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.

ADE 850 207

AD A122714

USAFETAC DS-82/048

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

AWS TECHNICAL LIBRARY
FL 4414
SCOTT AFB, IL 62225

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

MANSFIELD/LAHM MAP, OH — WSO# 725246
N 40 49 W 082 31 — 1296 FT — MFD

PARTS A-F
POR: FROM HOURLY OBS JAN 73 - DEC 81

POR: FROM DAILY OBS JAN 49 - DEC 54, JAN 60 - DEC 81

TIME CONVERSION GMT TO LST -5

AUG 0 3 1982

FEDERAL BUILDING
ASHEVILLE, N. C.

"THIS DOCUMENT HAS BEEN APPROVED FOR PUBLIC RELEASE AND SALE; ITS DISTRIBUTION IS UNLIMITED."

AUG 0 3 1982

## Review and Approval Statement

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

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

Wayne E. McCollom

WAYNE E. MCCOLLOM
Chief, Technical Information Section
USAFETAC/TST

FOR THE COMMANDER

Walter S. Burgmann

WALTER S. BURGMANN
AWS Scientific and Technical
Information Officer (STINFO)

23 AUG 1982

UNCLASSIFIED
SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

## REPORT DOCUMENTATION PAGE

READ INSTRUCTIONS BEFORE COMPLETING FORM

1. REPORT NUMBER: USAFETAC/DS- 82/048
2. GOVT ACCESSION NO.:
3. RECIPIENT'S CATALOG NUMBER:

4. TITLE (and Subtitle): Revised Uniform Summary of Surface Weather Observations (RUSSWO)-

MANSFIELD/LAHM MAP, OHIO

5. TYPE OF REPORT & PERIOD COVERED: Final rept.
6. PERFORMING ORG. REPORT NUMBER:

7. AUTHOR(s):
8. CONTRACT OR GRANT NUMBER(s):

9. PERFORMING ORGANIZATION NAME AND ADDRESS:
USAFETAC/OL-A
Air Force Environmental Technical Appl. Center
Scott AFB IL 62225

10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS:

11. CONTROLLING OFFICE NAME AND ADDRESS:
USAFETAC/CBD
Air Weather Service (MAC)
Scott AFB IL 62225

12. REPORT DATE: 3 AUG 82
13. NUMBER OF PAGES: 400

14. MONITORING AGENCY NAME & ADDRESS(if different from Controlling Office):

15. SECURITY CLASS. (of this report): UNCLASSIFIED
15a. DECLASSIFICATION/DOWNGRADING SCHEDULE:

16. DISTRIBUTION STATEMENT (of this Report)

Approved for public release; distribution unlimited.

17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)

18. SUPPLEMENTARY NOTES

19. KEY WORDS (Continue on reverse side if necessary and identify by block number)

| | | |
|---|---|---|
| *RUSSWO | Daily temperatures | Atmospheric pressure |
| Snowfall | Extreme snow depth | Extreme surface winds |
| Climatology | Sea-level pressure | Psychrometeric 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 statisitical summary of surface weather observations for MANSFIELD/LAHM MAP, OHIO

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

DD FORM 1 JAN 73 1473

UNCLASSIFIED
SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

19. Percentage frenquency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables
OHIO
MANSFIELD MAP, OHIO
LAHM MAP, OHIO

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

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 | STATION NAME | LATITUDE | LONGITUDE | FIELD ELEV (FT.) | CALL SIGN | WBO NUMBER |
|---|---|---|---|---|---|---|
| 725246 | MANSFIELD/LAHM MAP, OH | N 40 49 | W 82 31 | 1297 | MFD | |

# 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. BARO. | |
| 1. | Mansfield/LAHM MAP OH | CAA | Oct 47 | Jul 56 | N 40 49 | W 82 31 | 1297 | 1301 | 24 |
| 2. | Same | SAWRS | Jul 56 | Nov 59 | Same | W 82 32 | 1296 | Same | 14 |
| 3. | Same | Same | Nov 59 | Oct 61 | Same | W 82 31 | Same | Same | 14 |
| 4. | Same | FAA | Oct 61 | Sep 80 | Same | Same | Same | 1300 | 24* |
| 5. | Same | WSO-LAWRS | Sep 80 | May 82 | Same | Same | 1297 | Same | 24 |

* 24 Obs daily: NWS 0600-1800E and LAWRS 1900E-0500E daily

| 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. | Oct 47 | Center of field | F420C | F312 | 20 | |
| 2. | Sep 80 | Same | Same | Same | 20 | |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

A

# PART A WEATHER CONDITIONS

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

1. By month and annual, all hours and years combined.

2. By month, all years combined, by standard 3-hour groups.

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

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

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

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

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

Hail - Occurrences of hail and small hail are included.

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

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

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

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

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

Continued on Reverse

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

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

...RAL CLIMATOLOGY BRANCH
...FFUTAC
A... ...ATHER SERVICE/MAC

# WEATHER CONDITIONS

| ...3 | MANSFIELD LAHM MAP OH | 73-81 | JAN |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN | 00-02 | | 6.3 | .9 | 22.0 | | 29.1 | 14.9 | 5.7 | 3.8 | | 23.4 | 819 |
| | 03-05 | | 4.6 | 1.0 | 22.8 | | 28.2 | 15.9 | 4.8 | 3.3 | | 23.4 | 811 |
| | 06-08 | .1 | 4.6 | 1.7 | 27.1 | | 32.9 | 22.5 | 5.2 | 4.5 | | 31.7 | 827 |
| | 09-11 | | 6.0 | .6 | 28.3 | | 34.5 | 27.3 | 12.9 | 6.5 | | 46.0 | 820 |
| | 12-14 | | 5.2 | 1.0 | 25.6 | | 30.9 | 23.1 | 10.5 | 6.7 | | 39.6 | 810 |
| | 15-17 | | 5.6 | 1.2 | 27.4 | | 33.9 | 19.6 | 8.0 | 5.1 | | 32.4 | 822 |
| | 18-20 | .1 | 5.3 | .6 | 22.0 | | 28.0 | 15.6 | 6.7 | 3.9 | | 25.7 | 826 |
| | 21-23 | | 5.8 | .7 | 22.3 | | 28.7 | 13.9 | 4.4 | 3.0 | | 20.6 | 821 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .0 | 5.4 | 1.0 | 24.7 | | 30.8 | 19.1 | 7.3 | 4.6 | | 30.4 | 6556 |

USAFETAC FORM AAT 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

...AL CLIMATOLOGY BRANCH
...ETAC
... WEATHER SERVICE/MAC

# WEATHER CONDITIONS

246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FEB | 00-02 | .1 | 6.1 | .1 | 14.7 | | 21.0 | 15.8 | 7.6 | 1.2 | | 27.1 | 748 |
| | 03-05 | .1 | 5.6 | .1 | 19.2 | | 24.8 | 17.3 | 5.9 | .4 | | 32.1 | 751 |
| | 06-08 | | 4.2 | .5 | 22.0 | | 26.7 | 22.4 | 6.6 | .7 | | 28.8 | 754 |
| | 09-11 | .1 | 4.9 | .5 | 23.2 | | 28.6 | 25.2 | 11.6 | 1.3 | | 37.3 | 751 |
| | 12-14 | .4 | 5.9 | .3 | 18.9 | | 24.7 | 15.1 | 11.7 | 2.0 | | 28.8 | 746 |
| | 15-17 | .1 | 6.5 | .8 | 21.1 | | 27.5 | 15.7 | 8.7 | 2.5 | | 26.9 | 750 |
| | 18-20 | .1 | 7.2 | .4 | 16.2 | | 23.7 | 15.2 | 8.1 | 1.2 | | 24.2 | 752 |
| | 21-23 | .1 | 6.5 | .9 | 15.4 | | 22.9 | 13.7 | 7.7 | 1.1 | | 22.1 | 751 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | 5.9 | .5 | 18.8 | | 25.0 | 17.5 | 8.5 | 1.3 | | 26.7 | 6003 |

3602

USAFETAC FORM JULY 64 0-10-5(GL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAPETAC
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

| 72?246 | MANSFIELD LAHM MAP OH | 73-81 | MAR |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAR | 00-02 | .5 | 11.5 | | 6.4 | | 17.9 | 13.9 | 3.9 | .4 | | 17.8 | 826 |
| | 03-05 | .5 | 10.7 | .6 | 6.9 | | 18.1 | 16.1 | 3.4 | .2 | | 19.3 | 822 |
| | 06-08 | .4 | 11.4 | .7 | 8.5 | | 20.4 | 22.6 | 6.3 | .2 | | 28.8 | 822 |
| | 09-11 | .2 | 8.6 | | 12.5 | | 21.0 | 18.3 | 10.3 | .2 | | 28.3 | 827 |
| | 12-14 | .4 | 8.5 | | 10.6 | | 19.1 | 13.2 | 10.9 | .1 | | 23.9 | 824 |
| | 15-17 | .4 | 10.2 | | 9.6 | | 19.3 | 10.8 | 10.7 | .4 | | 21.7 | 823 |
| | 18-20 | .7 | 11.9 | | 8.6 | | 20.3 | 13.2 | 8.7 | .4 | | 22.2 | 818 |
| | 21-23 | .5 | 12.8 | | 6.8 | | 19.5 | 11.8 | 4.8 | .4 | | 16.7 | 821 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .5 | 10.7 | .2 | 8.7 | | 19.5 | 15.0 | 7.4 | .3 | | 22.3 | 6563 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

| 7[illegible]246 | MANSFIELD LAHM MAP OH | 73-81 | APR |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| APR | 00-02 | .6 | 9.9 | | 2.0 | | 11.9 | 11.2 | 4.1 | | | 14.8 | 789 |
| | 03-05 | .3 | 9.3 | | 1.5 | | 10.8 | 13.3 | 2.8 | | | 15.5 | 795 |
| | 06-08 | .1 | 10.9 | | 3.1 | | 13.5 | 24.2 | 5.6 | .1 | | 29.2 | 798 |
| | 09-11 | .4 | 10.7 | | 4.3 | | 14.3 | 16.5 | 7.5 | .3 | | 24.2 | 798 |
| | 12-14 | .4 | 12.7 | | 3.0 | .1 | 15.3 | 10.5 | 6.3 | .1 | | 17.0 | 790 |
| | 15-17 | .7 | 10.1 | | 2.7 | | 12.6 | 9.4 | 6.4 | | | 15.5 | 801 |
| | 18-20 | 1.1 | 12.0 | | 1.3 | | 13.3 | 9.2 | 9.1 | | .3 | 18.2 | 790 |
| | 21-23 | .9 | 11.9 | | 1.6 | | 13.5 | 9.1 | 6.6 | | | 15.8 | 800 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .6 | 10.9 | | 2.4 | .0 | 13.2 | 12.9 | 6.1 | .1 | .0 | 18.8 | 6361 |

3654

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

| 725246 | MANSFIELD LAHM MAP OH | 73-81 | MAY |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MAY | 00-02 | .5 | 9.0 | | | | 9.0 | 17.1 | 8.0 | | | 24.5 | 824 |
| | 03-05 | | 8.4 | | | | 8.4 | 25.8 | 7.2 | | | 31.3 | 830 |
| | 06-08 | .4 | 12.2 | | | | 12.2 | 32.3 | 10.0 | | | 40.2 | 826 |
| | 09-11 | .4 | 9.7 | | .2 | | 10.0 | 14.1 | 13.9 | | | 27.4 | 821 |
| | 12-14 | .4 | 10.5 | | | | 10.5 | 9.9 | 11.1 | | | 20.5 | 821 |
| | 15-17 | 1.6 | 8.6 | | | | 8.6 | 7.8 | 10.9 | | | 18.6 | 823 |
| | 18-20 | 2.8 | 12.6 | | | | 12.6 | 13.0 | 15.2 | | | 27.5 | 816 |
| | 21-23 | 1.1 | 13.0 | | | | 13.0 | 15.6 | 9.8 | | | 24.4 | 820 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .9 | 10.5 | | .0 | | 10.5 | 17.0 | 10.8 | | | 26.8 | 6581 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

72246 | MANSFIELD LAHM MAP OH | 73-81 | JUN
STATION | STATION NAME | YEARS | MONTH

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

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUN | 00-02 | 2.4 | 6.3 | | | | 6.3 | 12.7 | 15.1 | | | 24.5 | 795 |
| | 03-05 | 1.2 | 5.1 | | | | 5.1 | 24.0 | 15.9 | | | 35.0 | 801 |
| | 06-08 | 1.1 | 5.7 | | | | 5.7 | 27.8 | 21.5 | | | 45.0 | 795 |
| | 09-11 | .9 | 5.1 | | | | 5.1 | 8.3 | 21.3 | | | 28.7 | 797 |
| | 12-14 | 3.1 | 8.0 | | | | 8.0 | 4.4 | 20.1 | | | 24.3 | 797 |
| | 15-17 | 2.9 | 7.4 | | | | 7.4 | 3.9 | 17.6 | | | 21.4 | 795 |
| | 18-20 | 4.0 | 5.0 | | | | 5.0 | 5.0 | 24.8 | | | 29.1 | 794 |
| | 21-23 | 4.0 | 8.1 | | | | 8.1 | 7.3 | 22.3 | | | 27.5 | 799 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 2.5 | 6.3 | | | | 6.3 | 11.7 | 19.8 | | | 29.4 | 6373 |

3665

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

| 246 | MANSFIELD LAHM MAP OH | 73-81 | JUL |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JUL | 00-02 | 1.0 | 3.5 | | | | 3.5 | 13.2 | 20.9 | | | 32.8 | 819 |
| | 03-05 | 1.0 | 3.5 | | | | 3.5 | 23.8 | 20.6 | | | 40.2 | 819 |
| | 06-08 | 1.1 | 5.4 | | | | 5.4 | 32.1 | 24.5 | | | 50.9 | 819 |
| | 09-11 | .8 | 3.6 | | | | 3.6 | 10.3 | 30.8 | | | 39.8 | 825 |
| | 12-14 | 1.6 | 5.2 | | | | 5.2 | 3.8 | 27.3 | | | 30.7 | 823 |
| | 15-17 | 3.3 | 6.0 | | | | 6.0 | 2.7 | 24.6 | | | 27.2 | 828 |
| | 18-20 | 2.4 | 5.0 | | | | 5.0 | 5.7 | 29.5 | | | 34.2 | 821 |
| | 21-23 | .7 | 4.1 | | | | 4.1 | 10.1 | 25.9 | | | 34.1 | 821 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 1.5 | 4.5 | | | | 4.5 | 12.7 | 25.5 | | | 36.2 | 6575 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

72-246 | MANSFIELD LAHM MAP OH | 73-81 | AUG
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUG | 00-02 | .8 | 6.1 | | | | 6.1 | 18.0 | 25.0 | | | 46.7 | 743 |
| | 03-05 | 1.1 | 6.9 | | | | 6.9 | 32.1 | 22.3 | | | 49.8 | 795 |
| | 06-08 | 1.5 | 7.9 | | | | 7.9 | 49.3 | 25.7 | | | 65.3 | 822 |
| | 09-11 | .4 | 7.5 | | | | 7.5 | 19.7 | 34.8 | | | 53.6 | 814 |
| | 12-14 | 1.5 | 6.1 | | | .1 | 6.1 | 7.5 | 31.4 | | | 38.9 | 815 |
| | 15-17 | 2.7 | 6.2 | | | | 6.2 | 4.5 | 29.6 | | | 33.9 | 818 |
| | 18-20 | 2.9 | 6.5 | | | | 6.5 | 8.2 | 36.5 | | | 43.2 | 820 |
| | 21-23 | 3.1 | 6.7 | | | | 6.7 | 12.7 | 30.8 | | | 41.0 | 765 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 1.8 | 6.7 | | | .0 | 6.7 | 19.0 | 29.5 | | | 45.8 | 6389 |

USAFETAC FORM AWS 64 0-10-5(GL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

| 72[illegible]246 | MANSFIELD LAHM MAP OH | 73-81 | SEP |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SEP | 00-02 | .1 | 5.1 | | | | 5.1 | 16.0 | 16.7 | | | 29.3 | 787 |
| | 03-05 | .4 | 6.4 | | | | 6.4 | 21.3 | 12.7 | | | 30.6 | 765 |
| | 06-08 | .3 | 10.0 | | | | 10.0 | 36.9 | 14.8 | | | 47.7 | 792 |
| | 09-11 | .5 | 8.6 | | | | 8.6 | 17.7 | 22.6 | | | 38.6 | 798 |
| | 12-14 | .8 | 6.4 | | | | 6.4 | 7.0 | 22.5 | | | 29.4 | 796 |
| | 15-17 | .9 | 6.2 | | | | 6.2 | 6.3 | 16.3 | | | 22.6 | 792 |
| | 18-20 | 1.5 | 7.1 | | | | 7.1 | 8.5 | 21.7 | | | 29.2 | 791 |
| | 21-23 | 1.4 | 6.0 | | | | 6.0 | 10.9 | 16.0 | | | 25.3 | 764 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .7 | 7.0 | | | | 7.0 | 15.6 | 17.9 | | | 31.6 | 6205 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

[illegible]246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

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

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OCT | 00-02 | | 9.0 | | 1.1 | | 10.1 | 13.4 | 4.5 | | | 17.3 | 733 |
| | 03-05 | .1 | 9.4 | | 1.0 | | 10.1 | 19.4 | 4.0 | | | 22.6 | 784 |
| | 06-08 | .4 | 9.4 | | .6 | | 9.9 | 27.3 | 5.6 | | | 31.6 | 827 |
| | 09-11 | | 9.5 | | 1.2 | | 10.6 | 18.8 | 11.6 | | | 29.0 | 817 |
| | 12-14 | | 8.3 | | 1.3 | | 9.0 | 8.6 | 9.6 | | | 16.2 | 822 |
| | 15-17 | .4 | 9.5 | | .9 | | 9.8 | 7.9 | 7.7 | | | 15.6 | 823 |
| | 18-20 | | 9.3 | | .4 | | 9.7 | 8.4 | 8.3 | | | 16.6 | 824 |
| | 21-23 | | 9.9 | | .6 | | 10.4 | 9.7 | 4.9 | | | 14.4 | 790 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | 9.3 | | .9 | | 10.0 | 14.2 | 7.0 | | | 20.7 | 6417 |

USAFETAC FORM [illegible] 0-10-3(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

| 725246 | MANSFIELD LAHM MAP OH | 73-81 | NOV |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NOV | 00-02 | | 6.8 | .6 | 6.2 | | 13.3 | 9.9 | 4.2 | | | 13.8 | 708 |
| | 03-05 | .3 | 6.4 | .5 | 6.0 | | 12.8 | 12.5 | 3.4 | | | 15.7 | 734 |
| | 06-08 | .1 | 8.8 | .5 | 7.7 | | 16.9 | 19.2 | 4.4 | | | 22.7 | 797 |
| | 09-11 | | 11.5 | .1 | 9.1 | | 20.3 | 20.0 | 10.1 | | | 28.9 | 802 |
| | 12-14 | .1 | 11.5 | | 8.4 | | 19.7 | 11.6 | 8.1 | | | 19.5 | 793 |
| | 15-17 | | 9.8 | | 10.0 | | 19.4 | 12.2 | 6.1 | | | 18.3 | 792 |
| | 18-20 | .4 | 10.3 | | 8.0 | | 18.1 | 12.6 | 3.4 | | | 16.0 | 796 |
| | 21-23 | .4 | 9.0 | .1 | 5.7 | | 14.6 | 9.5 | 4.9 | .3 | | 14.4 | 793 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .2 | 9.3 | .2 | 7.6 | | 16.9 | 13.4 | 5.6 | .0 | | 16.7 | 6215 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

| 72-246 | MANSFIELD LAHM MAP OH | 73-81 | DEC |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DEC | 00-02 | | 7.0 | .7 | 12.8 | | 20.3 | 17.8 | 1.5 | .7 | | 20.0 | 729 |
| | 03-05 | | 8.4 | 1.0 | 13.6 | | 23.0 | 17.1 | 1.0 | .7 | | 18.7 | 766 |
| | 06-08 | | 11.3 | .8 | 16.9 | | 28.8 | 21.4 | 2.1 | .7 | | 23.7 | 824 |
| | 09-11 | | 8.6 | .7 | 21.6 | | 30.5 | 28.1 | 5.3 | .8 | | 33.6 | 825 |
| | 12-14 | | 7.8 | .2 | 21.6 | | 28.9 | 20.5 | 6.8 | 1.5 | | 28.6 | 819 |
| | 15-17 | | 8.3 | .7 | 20.0 | | 28.2 | 19.6 | 5.4 | 1.5 | | 26.3 | 815 |
| | 18-20 | .1 | 8.6 | .9 | 16.3 | | 25.6 | 21.4 | 3.1 | 1.4 | | 25.4 | 814 |
| | 21-23 | .1 | 6.9 | .6 | 16.4 | | 23.9 | 18.6 | 2.0 | .9 | | 21.1 | 816 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .0 | 8.4 | .7 | 17.4 | | 26.2 | 20.6 | 3.4 | 1.0 | | 24.7 | 6408 |

3668

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# WEATHER CONDITIONS

720246 | MANSFIELD LAHM MAP OH | 73-81 | ALL
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN | ALL | .0 | 5.4 | 1.0 | 24.7 | | 30.8 | 19.1 | 7.3 | 4.6 | | 30.4 | 6556 |
| FEB | | .1 | 5.9 | .5 | 18.8 | | 25.0 | 17.5 | 8.5 | 1.3 | | 26.7 | 6003 |
| MAR | | .5 | 10.7 | .2 | 8.7 | | 19.5 | 15.0 | 7.4 | .3 | | 22.3 | 6583 |
| APR | | .6 | 10.9 | | 2.4 | .0 | 13.2 | 12.9 | 6.1 | .1 | .0 | 18.8 | 6361 |
| MAY | | .9 | 10.5 | | .0 | | 10.5 | 17.0 | 10.8 | | | 26.8 | 6581 |
| JUN | | 2.5 | 6.3 | | | | 6.3 | 11.7 | 19.8 | | | 29.4 | 6373 |
| JUL | | 1.5 | 4.5 | | | | 4.5 | 12.7 | 25.5 | | | 36.2 | 6575 |
| AUG | | 1.8 | 6.7 | | | .0 | 6.7 | 19.0 | 29.5 | | | 45.8 | 6389 |
| SEP | | .7 | 7.0 | | | | 7.0 | 15.6 | 17.9 | | | 31.6 | 6205 |
| OCT | | .1 | 9.3 | | .9 | | 10.0 | 14.2 | 7.0 | | | 20.7 | 6417 |
| NOV | | .2 | 9.3 | .2 | 7.6 | | 16.9 | 13.4 | 5.6 | .0 | | 18.7 | 6215 |
| DEC | | .0 | 8.4 | .7 | 17.4 | | 26.2 | 20.6 | 3.4 | 1.0 | | 24.7 | 6408 |
| TOTALS | | .7 | 7.9 | .2 | 6.7 | .0 | 14.7 | 15.7 | 12.4 | .6 | .0 | 27.7 | 76666 |

# 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 5/8 mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XX WEATHER CONDITIONS
XXX XXXXXXXXXXXXXXXXXXXXXXXXXX
ATMOSPHERIC PHENOMENA

72246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 49-54, 60-81 (YEARS) ALL (MONTH)

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER-STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JAN | DAILY | 1.1 | 33.0 | 9.1 | 51.7 | .1 | 70.7 | 40.5 | 42.3 | 8.7 | | 66.5 | 849 |
| FEB | | 1.8 | 28.5 | 6.1 | 52.9 | | 68.1 | 42.3 | 45.0 | 8.3 | | 66.3 | 771 |
| MAR | | 7.1 | 42.8 | 3.4 | 40.1 | .4 | 69.7 | 41.7 | 39.7 | 3.8 | | 61.0 | 818 |
| APR | | 13.0 | 55.6 | .7 | 16.2 | 1.0 | 62.5 | 41.0 | 30.5 | .2 | | 52.1 | 826 |
| MAY | | 17.0 | 54.3 | | 1.3 | 1.4 | 54.4 | 41.1 | 36.3 | | | 53.5 | 645 |
| JUN | | 23.5 | 49.3 | | | .7 | 49.3 | 40.6 | 49.5 | | .1 | 59.5 | 808 |
| JUL | | 23.1 | 44.5 | | | .5 | 44.5 | 44.1 | 53.4 | | | 61.2 | 827 |
| AUG | | 18.9 | 43.5 | | | .6 | 43.5 | 54.0 | 62.5 | | | 72.2 | 833 |
| SEP | | 11.4 | 42.3 | | .1 | .1 | 42.3 | 49.4 | 56.9 | | | 64.8 | 796 |
| OCT | | 3.2 | 40.5 | | 4.4 | .1 | 42.3 | 39.4 | 38.6 | | .1 | 53.7 | 834 |
| NOV | | 2.3 | 43.1 | 2.1 | 29.4 | | 61.1 | 44.0 | 37.5 | 1.1 | | 59.5 | 800 |
| DEC | | .7 | 35.8 | 9.2 | 51.5 | .2 | 73.7 | 45.5 | 37.4 | 4.7 | | 65.6 | 826 |
| TOTALS | | 10.3 | 42.8 | 2.5 | 20.6 | .4 | 56.8 | 43.6 | 43.6 | 2.2 | .0 | 61.3 | 9832 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

# PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

B

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

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.

2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

| | | |
|---|---|---|
| EXTREME DAILY PRECIPITATION | ".00" | equals none for the month (hundredths) |
| EXTREME DAILY SNOWFALL | ".0" | equals none for the month (tenths) |
| EXTREME DAILY SNOW DEPTH | "0" | equals none for the month (whole inches) |

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

**Continued on Reverse Side**

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

NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.

(2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.

(3) Snow Depth was recorded and punched at various hours during the period available from U. S operated stations. The hours used by each service for each period are as follows:

| Air Force Stations: | | U. S. Navy and National Weather Service (USWB) | |
|---|---|---|---|
| Beginning thru 1945 | at 0800LST | Beginning thru Jun 52 | at 0030GMT |
| Jan 46-May 57 | at 1230GMT | Jul 52-May 57 | at 1230GMT |
| Jun 57-present | at 1200GMT | Jun 57-present | at 1200GMT |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 49-54, 60-81 (YEARS)

| | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASURABLE AMTS | TOTAL NO. OF OBS | MONTHLY AMOUNTS (INCHES) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PRECIP | NONE | TRACE | .01 | .02-.05 | .06-.10 | .11-.25 | .26-.50 | .51-1.00 | 1.01-2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | OVER 20.00 | | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4 | 6.5-10.4 | 10.5-15.4 | 15.5-25.4 | 25.5-50.4 | OVER 50.4 | | | | | |
| SNOW-DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-120 | OVER 120 | | | | | |
| JAN | 26.5 | 28.1 | 6.9 | 13.7 | 7.1 | 7.9 | 5.3 | 3.1 | 1.2 | .1 | | | | 45.4 | 868 | 2.58 | 11.47 | .41 |
| FEB | 30.1 | 26.0 | 6.3 | 12.9 | 9.1 | 6.8 | 5.6 | 2.4 | .6 | .1 | | | | 43.9 | 791 | 1.99 | 5.36 | .29 |
| MAR | 30.2 | 21.4 | 5.4 | 13.1 | 6.5 | 10.6 | 7.7 | 4.0 | 1.0 | | | | | 48.4 | 868 | 3.03 | 7.04 | 1.16 |
| APR | 38.6 | 14.6 | 4.8 | 9.5 | 6.0 | 11.4 | 8.0 | 5.4 | 1.8 | | | | | 46.8 | 840 | 3.54 | 6.58 | .75 |
| MAY | 47.0 | 13.2 | 2.8 | 6.9 | 6.1 | 9.2 | 7.4 | 5.2 | 2.2 | | | | | 39.7 | 868 | 3.59 | 6.27 | 1.07 |
| JUN | 52.5 | 11.0 | 3.5 | 7.1 | 4.9 | 7.3 | 6.8 | 4.4 | 2.4 | .2 | | | | 36.5 | 840 | 3.57 | 10.00 | 1.10 |
| JUL | 57.6 | 10.9 | 2.0 | 6.3 | 3.2 | 6.8 | 5.5 | 4.7 | 2.6 | .2 | | | | 31.5 | 868 | 3.55 | 8.06 | .94 |
| AUG | 58.3 | 10.7 | 1.5 | 5.1 | 4.0 | 7.1 | 6.1 | 4.4 | 2.6 | .1 | | | | 31.0 | 868 | 3.44 | 7.60 | .63 |
| SEP | 59.6 | 11.2 | 1.4 | 4.9 | 4.4 | 7.0 | 4.5 | 3.9 | 3.0 | | | | | 29.2 | 840 | 3.11 | 6.85 | .73 |
| OCT | 59.2 | 12.1 | 2.8 | 6.3 | 4.1 | 6.7 | 5.8 | 2.4 | .6 | | | | | 28.7 | 868 | 1.86 | 4.89 | .43 |
| NOV | 41.0 | 17.3 | 4.3 | 11.2 | 6.7 | 8.5 | 6.2 | 4.2 | .8 | | | | | 41.8 | 840 | 2.61 | 5.15 | .70 |
| DEC | 27.1 | 28.1 | 4.8 | 13.4 | 6.5 | 9.3 | 6.8 | 3.1 | .9 | | | | | 44.8 | 868 | 2.67 | 5.73 | .74 |
| ANNUAL | 44.0 | 17.0 | 3.9 | 9.2 | 5.7 | 8.2 | 6.3 | 3.9 | 1.6 | .1 | | | | 39.0 | 10227 | 35.54 | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

733246 — STATION
MANSFIELD LAHM MAP OH — STATION NAME
49-54, 60-81 — YEARS

24 HOUR AMOUNTS IN INCHES

| MONTH / YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | .70 | .56 | .88 | .82 | 1.02 | 1.11 | 1.21 | 1.61 | .56 | .26 | .45 | 1.72 | 1.61 |
| 50 | 2.68 | 1.29 | .37 | .80 | 1.22 | 1.28 | 1.06 | .83 | 1.55 | .73 | 1.62 | 1.44 | 2.68 |
| 51 | 1.30 | .47 | .81 | .70 | .71 | 1.27 | 1.14 | .27 | 2.05 | .43 | 1.41 | 1.08 | 2.05 |
| 52 | 1.72 | .66 | 1.11 | .72 | .31 | 1.36 | .97 | .60 | 1.40 | .26 | .48 | .92 | 1.72 |
| 53 | .82 | .41 | .78 | .54 | .99 | .71 | 1.88 | 1.44 | .45 | .17 | .23 | .53 | 1.88 |
| 54 | 1.17 | .66 | .61 | 1.36 | .33 | .98 | .86 | 1.07 | .43 | .93 | .30 | .71 | 1.36 |
| 60 | .93 | .52 | .38 | .79 | .70 | 1.17 | .80 | .82 | .67 | .54 | .36 | .45 | 1.17 |
| 61 | .16 | 2.76 | .84 | .99 | .41 | 1.33 | 1.18 | .95 | 1.80 | .52 | 1.39 | .97 | 2.76 |
| 62 | .87 | .36 | .54 | .35 | .45 | 1.94 | 1.39 | 1.67 | .96 | .91 | 1.11 | .41 | 1.94 |
| 63 | .19 | .27 | 1.45 | .70 | .81 | .58 | .75 | 1.19 | .38 | .41 | .37 | .26 | 1.45 |
| 64 | .27 | .60 | 2.40 | 1.33 | 1.37 | .99 | .50 | .66 | .48 | .37 | .42 | .78 | 2.40 |
| 65 | .73 | .64 | .78 | .63 | 2.33 | .76 | 1.07 | .91 | .60 | .53 | .60 | .99 | 2.33 |
| 66 | .47 | 1.10 | .42 | .67 | .70 | .46 | 2.38 | 2.39 | .95 | .70 | 1.50 | 1.09 | 2.39 |
| 67 | .31 | .42 | .97 | .54 | .96 | .77 | 1.44 | .30 | 2.14 | .54 | .51 | .58 | 2.14 |
| 68 | .67 | .22 | .61 | .63 | 1.32 | 1.74 | 1.56 | .53 | 1.02 | .27 | .82 | 1.19 | 1.74 |
| 69 | .77 | .38 | .46 | 2.03 | 1.42 | .70 | 2.62 | 1.57 | 1.23 | 1.12 | 1.20 | .55 | 2.62 |
| 70 | .29 | .48 | .64 | 1.19 | 1.33 | .72 | 1.64 | .36 | 1.76 | 1.08 | .90 | .82 | 1.76 |
| 71 | .47 | .80 | .50 | .31 | 1.38 | .29 | 1.44 | 1.06 | 1.25 | .69 | .33 | .82 | 1.44 |
| 72 | .20 | .41 | .56 | 1.35 | .92 | 1.55 | .57 | 3.85 | 1.39 | .29 | .97 | .78 | 3.85 |
| 73 | .57 | .42 | 1.39 | 1.31 | 1.37 | 2.20 | 2.00 | 1.60 | .58 | .67 | .76 | .76 | 2.20 |
| 74 | 1.18 | .55 | .90 | .58 | 1.84 | .71 | 2.70 | 1.95 | 1.19 | .31 | 1.18 | .50 | 2.70 |
| 75 | .93 | 1.74 | .80 | .38 | 1.17 | .60 | .58 | 1.09 | 1.11 | 1.39 | .43 | .87 | 1.74 |
| 76 | .79 | 1.19 | 1.01 | .42 | .54 | 1.34 | 1.02 | 1.03 | 1.13 | .56 | .49 | .21 | 1.34 |
| 77 | .20 | .33 | 1.16 | 1.85 | .72 | 1.57 | 2.17 | 1.04 | 1.46 | .47 | .76 | 1.21 | 2.17 |
| 78 | 1.04 | .10 | .78 | 1.38 | .83 | 3.72 | 1.12 | 1.08 | .46 | 1.26 | .69 | 1.67 | 3.72 |
| 79 | 1.19 | .65 | .27 | 2.31 | 1.80 | 1.88 | .83 | 1.40 | 2.26 | .50 | 1.00 | .78 | 2.31 |
| 80 | 1.05 | .71 | .91 | 1.03 | 1.22 | 1.95 | 1.77 | 1.51 | .78 | .72 | .68 | .39 | 1.95 |
| 81 | .10 | .70 | .98 | 1.04 | .78 | 2.93 | .60 | 1.52 | 1.30 | 1.09 | .78 | 1.29 | 2.93 |
| | | | | | | | | | | | | | |
| MEAN | .766 | .693 | .833 | .955 | 1.034 | 1.308 | 1.330 | 1.225 | 1.119 | .633 | .773 | .824 | 2.155 |
| S. D. | .546 | .535 | .425 | .511 | .482 | .764 | .621 | .720 | .550 | .328 | .397 | .353 | .658 |
| TOTAL OBS. | 868 | 791 | 868 | 840 | 868 | 840 | 868 | 868 | 840 | 868 | 840 | 868 | 10227 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

1210 WS FORM AWS 64 0-88-5 (OL-1)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

**EXTREME VALUES**
XXXXXXXXXXXXXXXXXXXX
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

| 72[illegible]46 | MANSFIELD LAHM MAP OH | 49-54, 60-81 |
|---|---|---|
| STATION | STATION NAME | YEARS |

TOTAL MONTHLY PRECIPITATION IN INCHES

| MONTH / YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 4.36 | 2.46 | 3.87 | 4.41 | 3.15 | 3.95 | 3.76 | 4.97 | 2.35 | 1.09 | 1.18 | 4.12 | 39.66 |
| 50 | 11.47 | 5.36 | 2.75 | 3.45 | 2.63 | 3.14 | 4.21 | 2.53 | 4.14 | 2.03 | 4.57 | 3.18 | 49.36 |
| 51 | 3.22 | 2.25 | 3.41 | 3.06 | 2.73 | 4.18 | 3.61 | .88 | 3.74 | 1.15 | 4.26 | 5.73 | 36.43 |
| 52 | 4.97 | 2.07 | 3.49 | 2.89 | 1.40 | 2.16 | 4.26 | 1.50 | 4.33 | .67 | 1.64 | 2.72 | 32.12 |
| 53 | 2.94 | 1.41 | 2.05 | 2.36 | 4.83 | 1.10 | 6.15 | 2.54 | 3.16 | .46 | .77 | 1.93 | 28.14 |
| 54 | 2.29 | 1.89 | 3.01 | 5.64 | 1.07 | 3.73 | 2.24 | 4.00 | .97 | 4.54 | 1.32 | 2.05 | 32.75 |
| 60 | 2.54 | 2.67 | 1.16 | 2.07 | 2.31 | 4.40 | 3.04 | 2.75 | 1.12 | 1.72 | 1.92 | 1.10 | 27.80 |
| 61 | .65 | 4.28 | 4.47 | 5.21 | 1.50 | 3.99 | 4.05 | 3.20 | 4.49 | 1.23 | 2.92 | 2.38 | 36.37 |
| 62 | 2.93 | 1.52 | 1.78 | 1.31 | 1.87 | 3.17 | 3.50 | 3.39 | 3.79 | 1.98 | 2.42 | 1.54 | 29.20 |
| 63 | .91 | .68 | 4.78 | 2.30 | 1.69 | 1.77 | 3.08 | 3.36 | .73 | .43 | 1.34 | .74 | 21.81 |
| 64 | 1.45 | 1.33 | 7.04 | 6.58 | 4.16 | 3.03 | 2.16 | 2.44 | 1.13 | 1.09 | 1.49 | 2.48 | 34.78 |
| 65 | 3.01 | 2.64 | 2.28 | 3.02 | 3.69 | 1.84 | 1.42 | 3.30 | 2.11 | 2.98 | 2.47 | 1.86 | 30.64 |
| 66 | 1.55 | 2.17 | 1.44 | 2.73 | 2.84 | 1.88 | 3.82 | 4.66 | 1.95 | 1.23 | 4.33 | 3.57 | 31.17 |
| 67 | .74 | 1.33 | 3.21 | 2.61 | 4.50 | 1.63 | 3.29 | 1.08 | 4.61 | 1.75 | 2.38 | 2.76 | 29.89 |
| 68 | 2.27 | .48 | 2.40 | 1.84 | 6.27 | 3.94 | 3.13 | 1.56 | 2.96 | .78 | 4.01 | 3.17 | 32.11 |
| 69 | 2.41 | .74 | 1.25 | 5.50 | 6.15 | 3.68 | 8.06 | 2.36 | 2.70 | 1.82 | 3.25 | 1.55 | 39.47 |
| 70 | 1.12 | .93 | 1.27 | 5.27 | 5.17 | 1.86 | 5.67 | .63 | 4.65 | 2.69 | 3.24 | 2.39 | 34.79 |
| 71 | 1.43 | 2.58 | 1.78 | .75 | 4.24 | 1.29 | 3.79 | 2.16 | 2.41 | 1.15 | 1.11 | 3.42 | 26.10 |
| 72 | .95 | 1.15 | 2.49 | 5.98 | 3.07 | 3.75 | 3.11 | 5.74 | 6.85 | 1.52 | 4.30 | 2.79 | 41.70 |
| 73 | 1.83 | 1.39 | 4.21 | 3.35 | 4.15 | 7.07 | 4.35 | 4.00 | 1.38 | 3.59 | 3.19 | 2.85 | 41.36 |
| 74 | 3.59 | 1.59 | 4.14 | 2.47 | 5.65 | 1.90 | 2.93 | 7.60 | 3.41 | .79 | 5.15 | 2.64 | 41.86 |
| 75 | 3.33 | 3.74 | 2.69 | 1.95 | 4.01 | 2.36 | .94 | 5.63 | 4.97 | 2.19 | 1.59 | 2.92 | 36.32 |
| 76 | 2.69 | 2.99 | 3.96 | 1.37 | 2.35 | 4.34 | 2.55 | 3.16 | 3.61 | 2.43 | .70 | .74 | 30.89 |
| 77 | .79 | 1.17 | 4.26 | 3.25 | 1.99 | 3.69 | 4.93 | 3.40 | 4.56 | 1.75 | 3.04 | 4.15 | 36.98 |
| 78 | 3.76 | .29 | 2.29 | 4.70 | 4.20 | 4.98 | 1.70 | 3.20 | 1.10 | 4.89 | 1.96 | 4.78 | 37.85 |
| 79 | 3.29 | 1.74 | 1.81 | 5.63 | 5.25 | 4.82 | 2.55 | 6.78 | 5.64 | 1.39 | 4.93 | 2.28 | 46.11 |
| 80 | 1.30 | 1.44 | 5.72 | 3.34 | 4.11 | 6.31 | 5.01 | 4.41 | 2.45 | 1.98 | 2.01 | 2.15 | 40.23 |
| 81 | .41 | 3.41 | 1.71 | 5.62 | 4.49 | 10.00 | 2.04 | 5.08 | 4.41 | 2.62 | 1.53 | 3.50 | 44.82 |
| | | | | | | | | | | | | | |
| MEAN | 2.576 | 1.989 | 3.026 | 3.541 | 3.589 | 3.570 | 3.549 | 3.440 | 3.108 | 1.855 | 2.611 | 2.671 | 35.525 |
| S.D. | 2.127* | 1.179 | 1.442 | 1.619 | 1.454 | 1.932 | 1.511 | 1.722 | 1.629 | 1.113 | 1.334 | 1.132 | 6.500 |
| TOTAL OBS. | 868 | 791 | 868 | 840 | 868 | 840 | 868 | 868 | 840 | 868 | 840 | 868 | 10227 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

1210 WS FORM JUL 64 0-88-5 (OL1)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL

(FROM DAILY OBSERVATIONS)

725246 — STATION
MANSFIELD LAHM MAP OH — STATION NAME
49-54, 60-81 — YEARS

| | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASURABLE AMTS | TOTAL NO. OF OBS. | MONTHLY AMOUNTS (INCHES) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PRECIP | NONE | TRACE | .01 | 02-05 | .06-.10 | .11-.25 | .26-.50 | .51-1.00 | 1.01-2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | OVER 20.00 | | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4 | 6.5-10.4 | 10.5-13.4 | 15.5-25.4 | 25.5-50.4 | OVER 50.4 | | | | | |
| SNOW-DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-120 | OVER 120 | | | | | |
| JAN | 44.9 | 25.3 | 11.6 | 11.3 | 3.7 | 1.4 | .5 | .8 | .5 | | | | | 29.7 | 868 | 10.4 | 42.1 | .7 |
| FEB | 44.8 | 24.5 | 12.4 | 9.7 | 4.7 | 2.0 | 1.1 | .5 | .3 | | | | | 30.7 | 791 | 9.7 | 16.1 | 2.0 |
| MAR | 58.2 | 19.6 | 10.1 | 7.7 | 2.4 | 1.2 | .2 | .3 | .2 | | | | | 22.2 | 868 | 6.7 | 14.8 | 1.3 |
| APR | 83.8 | 8.9 | 4.2 | 2.5 | .6 | | | | | | | | | 7.3 | 840 | 1.2 | 6.6 | .0 |
| MAY | 98.6 | 1.3 | | .1 | | | | | | | | | | .1 | 868 | .1 | 1.4 | .0 |
| JUN | 100.0 | | | | | | | | | | | | | | 840 | .0 | .0 | .0 |
| JUL | 100.0 | | | | | | | | | | | | | | 868 | .0 | .0 | .0 |
| AUG | 100.0 | | | | | | | | | | | | | | 868 | .0 | .0 | .0 |
| SEP | 99.9 | .1 | | | | | | | | | | | | | 840 | TRACE | TRACE | .0 |
| OCT | 95.5 | 4.1 | .2 | .1 | | | | | | | | | | .3 | 868 | .1 | .6 | .0 |
| NOV | 70.4 | 15.9 | 8.0 | 4.3 | 1.3 | .5 | | .1 | | | | | | 14.2 | 840 | 3.0 | 12.2 | TRACE |
| DEC | 46.9 | 26.8 | 11.4 | 9.2 | 2.5 | 1.0 | .7 | 1.3 | | .1 | | | | 26.3 | 868 | 8.9 | 18.0 | .8 |
| ANNUAL | 78.6 | 10.5 | 4.8 | 3.7 | 1.3 | .5 | .2 | .2 | .1 | .0 | | | | 10.9 | 10227 | 40.1 | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

728246 MANSFIELD LAHM MAP OH 49-54, 60-81

STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

| YEAR \ MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 4.2 | 1.3 | 5.8 | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .5 | 4.7 | 5.8 |
| 50 | .4 | 1.5 | 1.6 | .5 | .0 | .0 | .0 | .0 | .0 | .0 | 5.0 | 2.8 | 5.0 |
| 51 | 2.7 | 7.8 | 3.8 | .1 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.0 | 4.7 | 7.8 |
| 52 | 1.4 | 3.9 | .9 | 1.9 | .0 | .0 | .0 | .0 | .0 | .4 | .2 | 3.7 | 3.9 |
| 53 | 1.7 | 3.8 | 2.5 | .8 | .0 | .0 | .0 | .0 | .0 | .0 | 1.7 | 4.8 | 4.8 |
| 54 | 1.3 | 6.0 | 5.0 | .2 | TRACE | .0 | .0 | .0 | .0 | .4 | 1.1 | 1.4 | 6.0 |
| 60 | .8 | 3.0 | 7.5 | .5 | TRACE | .0 | .0 | .0 | .0 | .0 | 2.7 | 4.6 | 7.5 |
| 61 | 1.6 | 4.0 | 1.5 | 2.4 | TRACE | .0 | .0 | .0 | .0 | .0 | .2 | 2.5 | 4.0 |
| 62 | 1.7 | 4.5 | 2.5 | .7 | TRACE | .0 | .0 | .0 | .0 | .6 | TRACE | 4.6 | 4.6 |
| 63 | 2.8 | 2.4 | 7.1 | .7 | TRACE | .0 | .0 | .0 | .0 | TRACE | .4 | 1.8 | 7.1 |
| 64 | 6.5 | 3.5 | 2.4 | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | 1.0 | 4.7 | 6.5 |
| 65 | 2.8 | 3.6 | 3.2 | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | .4 | 3.6 |
| 66 | 4.8 | 1.6 | 1.1 | .9 | 1.4 | .0 | .0 | .0 | .0 | .0 | 3.0 | 2.2 | 4.8 |
| 67 | .6 | 6.2 | 2.9 | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | 2.5 | 3.2 | 6.2 |
| 68 | 10.0 | 2.5 | 3.0 | .3 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.2 | 1.2 | 10.0 |
| 69 | 1.9 | 2.1 | 3.3 | 2.1 | TRACE | .0 | .0 | .0 | .0 | TRACE | 1.5 | 2.0 | 3.3 |
| 70 | 1.5 | 2.5 | 2.4 | TRACE | .0 | .0 | .0 | .0 | TRACE | .0 | 1.5 | 3.0 | 3.0 |
| 71 | 2.1 | 8.4 | 3.1 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .9 | 8.4 |
| 72 | 2.8 | 2.3 | 2.5 | 1.2 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.0 | 5.6 | 5.6 |
| 73 | 1.4 | 2.7 | 2.6 | .9 | TRACE | .0 | .0 | .0 | .0 | .0 | .2 | 4.7 | 4.7 |
| 74 | 4.6 | 3.3 | 3.4 | 2.1 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.8 | 12.3 | 12.3 |
| 75 | 3.3 | 2.8 | 3.5 | .7 | .0 | .0 | .0 | .0 | .0 | .0 | 1.2 | 1.5 | 3.5 |
| 76 | 3.5 | 6.2 | 2.2 | .8 | TRACE | .0 | .0 | .0 | .0 | TRACE | 2.2 | 3.8 | 6.2 |
| 77 | 4.9 | 4.1 | 1.5 | 1.1 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.8 | 6.0 | 6.0 |
| 78 | 8.9 | 3.0 | 2.4 | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | .3 | .6 | 8.9 |
| 79 | 6.0 | 2.9 | .7 | .2 | .0 | .0 | .0 | .0 | .0 | TRACE | .4 | 2.5 | 6.0 |
| 80 | 1.9 | 3.7 | 1.0 | .6 | TRACE | .0 | .0 | .0 | .0 | TRACE | 2.8 | 4.2 | 4.2 |
| 81 | 2.3 | 2.1 | 2.1 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.1 | 5.7 | 5.7 |
| | | | | | | | | | | | | | |
| MEAN | 3.14 | 3.63 | 2.92 | .69 | .05 | .00 | .00 | .00 | TRACE | .05 | 1.33 | 3.58 | 5.91 |
| S. D. | 2.383 | 1.803 | 1.684 | .702 | .265 | .000 | .000 | .000 | .000 | .150 | 1.130 | 2.368 | 2.147 |
| TOTAL OBS. | 868 | 791 | 868 | 840 | 868 | 840 | 868 | 868 | 840 | 868 | 840 | 868 | 10227 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

1210 WS FORM AUG 64 0-88-5 (OL-1)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

**EXTREME VALUES**
XXXXXXXXXXXXXXXXXXXX
MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

| 12246 | MANSFIELD LAHM MAP OH | 49-54, 60-81 |
|---|---|---|
| STATION | STATION NAME | YEARS |

TOTAL MONTHLY SNOWFALL IN INCHES

| YEAR \ MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 6.1 | 2.0 | 13.2 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.1 | 6.2 | 29.5 |
| 50 | .7 | 4.4 | 3.7 | 1.6 | .0 | .0 | .0 | .0 | .0 | .0 | 12.2 | 1 .4 | 35.0 |
| 51 | 13.2 | 9.2 | 7.4 | .2 | .0 | .0 | .0 | .0 | .0 | TRACE | 4.6 | 13.2 | 47.8 |
| 52 | 5.2 | 5.9 | 2.8 | 2.3 | .0 | .0 | .0 | .0 | .0 | .4 | .4 | 6.1 | 23.1 |
| 53 | 8.6 | 5.0 | 4.6 | 2.8 | .0 | .0 | .0 | .0 | .0 | .0 | 3.7 | 6.4 | 31.1 |
| 54 | 3.3 | 9.4 | 9.6 | .2 | TRACE | .0 | .0 | .0 | .0 | .4 | 2.6 | 4.4 | 29.9 |
| 60 | 1.5 | 14.6 | 14.8 | 1.0 | TRACE | .0 | .0 | .0 | .0 | .0 | 3.7 | 12.6 | 48.2 |
| 61 | 7.9 | 8.8 | 1.7 | 6.6 | TRACE | .0 | .0 | .0 | .0 | .0 | .4 | 5.8 | 31.2 |
| 62 | 5.4 | 14.8 | 7.0 | 1.4 | TRACE | .0 | .0 | .0 | .0 | .6 | TRACE | 14.0 | 47.2 |
| 63 | 12.4 | 11.6 | 14.8 | .9 | TRACE | .0 | .0 | .0 | .0 | TRACE | 1.2 | 7.9 | 48.8 |
| 64 | 17.0 | 16.1 | 8.3 | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | 1.9 | 8.2 | 51.5 |
| 65 | 11.3 | 10.8 | 10.2 | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | .8 | 33.1 |
| 66 | 8.0 | 5.8 | 3.6 | 2.7 | 1.4 | .0 | .0 | .0 | .0 | .0 | 6.2 | 6.3 | 34.0 |
| 67 | 1.4 | 12.8 | 11.2 | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | 3.5 | 8.2 | 37.1 |
| 68 | 21.3 | 8.1 | 8.1 | .3 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.9 | 7.3 | 47.2 |
| 69 | 4.0 | 7.4 | 5.5 | 2.1 | TRACE | .0 | .0 | .0 | .0 | TRACE | 3.7 | 11.7 | 34.4 |
| 70 | 10.7 | 5.0 | 4.3 | TRACE | .0 | .0 | .0 | .0 | TRACE | .0 | 1.7 | 5.4 | 27.1 |
| 71 | 7.2 | 15.9 | 13.5 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | 2.8 | 1.7 | 41.1 |
| 72 | 7.1 | 9.9 | 5.9 | 1.4 | .0 | .0 | .0 | .0 | .0 | TRACE | 4.4 | 9.1 | 37.8 |
| 73 | 3.2 | 9.0 | 3.3 | 1.3 | TRACE | .0 | .0 | .0 | .0 | .0 | .2 | 11.0 | 28.0 |
| 74 | 8.2 | 11.0 | 6.3 | 2.7 | .0 | .0 | .0 | .0 | .0 | TRACE | 5.2 | 16.8 | 50.1 |
| 75 | 10.1 | 12.4 | 8.9 | .7 | .0 | .0 | .0 | .0 | .0 | .0 | 2.7 | 6.2 | 41.0 |
| 76 | 14.0 | 10.8 | 2.2 | 1.7 | TRACE | .0 | .0 | .0 | .0 | TRACE | 4.7 | 12.8 | 46.2 |
| 77 | 24.8 | 10.0 | 2.0 | 1.4 | .0 | .0 | .0 | .0 | .0 | TRACE | 4.2 | 16.8 | 59.2 |
| 78 | 42.1 | 9.6 | 4.9 | TRACE | .0 | .0 | .0 | .0 | .0 | TRACE | .3 | 1.3 | 58.2 |
| 79 | 20.5 | 10.9 | 1.3 | .3 | .0 | .0 | .0 | .0 | .0 | TRACE | .4 | 5.5 | 38.9 |
| 80 | 6.8 | 12.6 | 1.7 | .6 | TRACE | .0 | .0 | .0 | .0 | TRACE | 7.4 | 11.5 | 40.6 |
| 81 | 9.9 | 7.1 | 7.5 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 3.3 | 16.1 | 43.9 |
| | | | | | | | | | | | | | |
| MEAN | 10.42 | 9.68 | 6.73 | 1.19 | .05 | .00 | .00 | .00 | TRACE | .05 | 3.01 | 8.93 | 40.04 |
| S. D. | 8.663 | 3.556 | 4.099 | 1.404 | .265 | .000 | .000 | .000 | .000 | .150 | 2.683 | 4.739 | 9.465 |
| TOTAL OBS. | 868 | 791 | 868 | 840 | 868 | 840 | 868 | 868 | 840 | 868 | 840 | 868 | 10227 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

1210 WS FORM AIR 66 0-88-5 (OL.1)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 52-54, 60-81 YEARS

| | AMOUNTS (INCHES) | | | | | | | | | | | | | PERCENT OF DAYS WITH MEASURABLE AMTS | TOTAL NO. OF OBS. | MONTHLY AMOUNTS (INCHES) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PRECIP | NONE | TRACE | .01 | .02-.05 | .06-.10 | .11-.25 | .26-.50 | .51-1.00 | 1.01-2.50 | 2.51-5.00 | 5.01-10.00 | 10.01-20.00 | OVER 20.00 | | | MEAN | GREATEST | LEAST |
| SNOWFALL | NONE | TRACE | 0.1-0.4 | 0.5-1.4 | 1.5-2.4 | 2.5-3.4 | 3.5-4.4 | 4.5-6.4 | 6.5-10.4 | 10.5-15.4 | 15.5-25.4 | 25.5-50.4 | OVER 50.4 | | | | | |
| SNOW-DEPTH | NONE | TRACE | 1 | 2 | 3 | 4-6 | 7-12 | 13-24 | 25-36 | 37-48 | 49-60 | 61-120 | OVER 120 | | | | | |
| JAN | 28.5 | 22.3 | 12.0 | 8.1 | 6.9 | 12.9 | 7.8 | 1.6 | | | | | | 49.2 | 744 | | | |
| FEB | 29.2 | 20.2 | 14.6 | 9.0 | 8.1 | 11.9 | 4.9 | 2.1 | | | | | | 50.6 | 678 | | | |
| MAR | 59.1 | 20.0 | 7.1 | 3.5 | 3.0 | 4.0 | 3.2 | | | | | | | 20.8 | 744 | | | |
| APR | 92.2 | 5.7 | 1.7 | .4 | | | | | | | | | | 2.1 | 720 | | | |
| MAY | 99.7 | .3 | | | | | | | | | | | | | 744 | | | |
| JUN | 99.9 | .1 | | | | | | | | | | | | | 720 | | | |
| JUL | 100.0 | | | | | | | | | | | | | | 775 | | | |
| AUG | 100.0 | | | | | | | | | | | | | | 775 | | | |
| SEP | 100.0 | | | | | | | | | | | | | | 750 | | | |
| OCT | 99.2 | .6 | .1 | | | | | | | | | | | .1 | 775 | | | |
| NOV | 81.7 | 11.7 | 4.9 | .9 | .7 | | | | | | | | | 6.5 | 750 | | | |
| DEC | 39.1 | 26.6 | 13.4 | 8.1 | 4.4 | 5.3 | 2.8 | .3 | | | | | | 34.3 | 775 | | | |
| ANNUAL | 77.4 | 9.0 | 4.5 | 2.5 | 1.9 | 2.8 | 1.6 | .3 | | | | | | 13.6 | 8950 | | | |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

| 725246 | MANSFIELD LAHM MAP OH | 52-54, 60-81 |
|---|---|---|
| STATION | STATION NAME | YEARS |

DAILY SNOW DEPTH IN INCHES

| MONTH / YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 52 | | | | | | | 0 | 0 | 0 | 0 | TRACE | 3 | |
| 53 | 4 | 4 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 |
| 54 | 1 | 1 | 9 | TRACE | 0 | 0 | 0 | 0 | 0 | TRACE | 1 | 2 | 9 |
| 60 | 1 | 4 | 10 | TRACE | 0 | TRACE | 0 | 0 | 0 | 0 | 3 | 9 | 10 |
| 61 | 4 | 6 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 4 | 6 |
| 62 | 4 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 12 | 12 |
| 63 | 6 | 5 | 11 | TRACE | TRACE | 0 | 0 | 0 | 0 | 0 | TRACE | 4 | 11 |
| 64 | 10 | 5 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 10 |
| 65 | 6 | 4 | 4 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | TRACE | 6 |
| 66 | 5 | 5 | 2 | 1 | TRACE | 0 | 0 | 0 | 0 | 0 | 3 | 4 | 5 |
| 67 | 1 | 6 | 4 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 6 |
| 68 | 15 | 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 2 | 15 |
| 69 | 4 | 3 | 3 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 5 |
| 70 | 7 | 3 | 1 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 7 |
| 71 | 2 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 8 |
| 72 | 3 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 6 | 6 |
| 73 | 2 | 3 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 6 | 6 |
| 74 | 11 | 4 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | TRACE | 1 | 14 | 14 |
| 75 | 3 | 6 | 4 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 6 |
| 76 | 4 | 7 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 4 | 7 |
| 77 | 12 | 15 | TRACE | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 10 | 15 |
| 78 | 22 | 20 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | TRACE | 1 | 22 |
| 79 | 7 | 8 | 2 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 4 | 8 |
| 80 | 3 | 7 | 2 | TRACE | 0 | 0 | 0 | 0 | 0 | TRACE | 3 | 4 | 7 |
| 81 | 8 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 8 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| MEAN | 6.1 | 5.9 | 3.9 | .5 | TRACE | TRACE | .0 | .0 | .0 | .0 | 1.0 | 4.7 | 8.9 |
| S. D. | 5.000 | 4.025 | 2.983 | .721 | .000 | .000 | .000 | .000 | .000 | .200 | 1.360 | 3.385 | 4.205 |
| TOTAL OBS. | 744 | 672 | 744 | 720 | 744 | 720 | 775 | 775 | 750 | 775 | 750 | 775 | 8950 |

NOTE * (BASED ON LESS THAN FULL MONTHS)

1200 WS FORM 0-08-3 (OL.1)

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."

C

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

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

a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.

b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

72-246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 75-81 YEARS

DAILY PEAK GUSTS IN KNOTS

| YEAR \ MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 75 | | | SW 42 | W 48 | S 37 | S 36 | NW 32 | NW 40 | SW 32 | N 38 | SW 44 | SW 5[illegible] | |
| 76 | NW 38 | W 51 | SW 52 | S 52 | S 43 | S 38 | NW 35 | N 26 | SW 36 | W 36 | S 37 | SW 45 | SW 52 |
| 77 | W 45 | SW 45 | W 44 | SW 40 | SW 35 | W 40 | SW 45 | NW 32 | SW 53 | W 33 | S 37 | SW 53 | SW 53 |
| 78 | W 41 | S 34 | SW 41 | W 45 | SW 45 | N 38 | S 28 | SW 33 | S 36 | S 31 | W 38 | W 38 | N 45 |
| 79 | SW 38 | SW 35 | S 43 | W 45 | E 33 | SW 35 | W 24 | NW 44 | N 33 | S 35 | SW 39 | SW 60 | SW 60 |
| 80 | W 48 | N 35 | W 38 | SW 50 | SW 52 | W 49 | W 70 | S 60 | SW 37 | N 34 | SW 38 | W 42 | W 70 |
| 81 | SW 39 | W 38 | SW 39 | NW 54 | N 30 | SW 37 | S 42 | E 25 | SW 30 | W 46 | SW 43 | NW 39 | NW 54 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| MEAN | 41.5 | 39.7 | 42.7 | 47.7 | 39.3 | 39.0 | 39.4 | 37.1 | 36.7 | 36.1 | 39.4 | 46.7 | 55.7 |
| S. D. | 4.135 | 6.861 | 4.608 | 4.786 | 7.718 | 4.690 | 15.361 | 12.199 | 7.610 | 4.879 | 2.878 | 8.036 | 8.501 |
| TOTAL OBS. | 184 | 169 | 217 | 210 | 216 | 209 | 217 | 217 | 210 | 217 | 210 | 217 | 2493 |

NOTES * (BASED ON LESS THAN FULL MONTHS)

1210 WS FORM JUL 64 0-88-3 (OL1)

$ (BASED ON LESS THAN FULL MONTHS AND >100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 1.1 | .9 | .5 | .1 | | | | | | | 2.6 | 8.4 |
| NNE | | .4 | .2 | .6 | .1 | | | | | | | 1.3 | 10.5 |
| NE | | 2.0 | .4 | | .2 | | | | | | | 2.6 | 6.9 |
| ENE | .1 | .5 | .7 | .2 | | | | | | | | 1.6 | 7.8 |
| E | | .9 | .9 | .4 | | | | | | | | 2.1 | 7.8 |
| ESE | | .9 | 1.1 | .2 | | | | | | | | 2.2 | 7.8 |
| SE | .1 | .4 | 1.5 | 1.0 | .1 | | | | | | | 3.1 | 9.6 |
| SSE | .2 | .4 | .7 | 2.3 | .7 | .1 | | | | | | 4.5 | 12.8 |
| S | | 2.4 | 2.8 | 4.4 | .7 | .1 | .1 | | | | | 10.6 | 10.9 |
| SSW | .1 | 1.0 | 2.7 | 4.4 | .4 | .4 | | | | | | 8.9 | 11.8 |
| SW | .2 | 1.6 | 4.0 | 4.9 | 1.0 | .2 | | | | | | 12.0 | 11.6 |
| WSW | | 2.0 | 5.7 | 8.9 | 1.8 | .2 | | | | | | 18.7 | 11.9 |
| W | | 2.0 | 5.1 | 6.7 | 1.1 | .1 | .2 | | | | | 15.3 | 11.4 |
| WNW | | 1.0 | 2.9 | 2.0 | .1 | | | | | | | 6.0 | 9.7 |
| NW | .1 | .4 | 2.3 | .7 | .1 | .1 | | | | | | 3.8 | 9.8 |
| NNW | .1 | .5 | .9 | 1.1 | .1 | .1 | | | | | | 2.8 | 11.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.0 | |
| | 1.1 | 17.1 | 32.9 | 38.8 | 6.7 | 1.5 | .8 | | | | | 100.0 | 10.7 |

TOTAL NUMBER OF OBSERVATIONS 818

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .4 | .7 | .9 | .6 | | | | | | | | 2.6 | 8.0 |
| NNE | | .6 | .9 | .6 | | | | | | | | 2.1 | 8.4 |
| NE | .2 | .1 | .6 | .5 | | | | | | | | 1.5 | 8.8 |
| ENE | | .5 | .6 | .1 | | | | | | | | 1.2 | 7.7 |
| E | | 1.0 | .6 | .1 | | | | | | | | 1.7 | 6.7 |
| ESE | | .1 | 1.6 | .1 | | | | | | | | 1.9 | 8.4 |
| SE | | 1.4 | 1.6 | .6 | .4 | | | | | | | 4.0 | 8.9 |
| SSE | .1 | .7 | 1.6 | 2.1 | .4 | | | | | | | 4.9 | 10.8 |
| S | .1 | 1.5 | 2.7 | 4.7 | .9 | | .4 | | | | | 10.2 | 12.1 |
| SSW | | 1.5 | 2.2 | 3.3 | 1.0 | .1 | .2 | | | | | 8.4 | 12.3 |
| SW | .1 | 1.2 | 5.2 | 4.8 | 1.6 | .5 | .1 | | | | | 13.6 | 12.0 |
| WSW | .2 | 1.6 | 7.0 | 7.9 | 1.6 | .5 | | | | | | 18.9 | 11.5 |
| W | .1 | 1.5 | 5.1 | 4.9 | .6 | | .2 | | | | | 12.5 | 10.8 |
| WNW | | .9 | 2.8 | 2.1 | .4 | .1 | | | | | | 6.3 | 10.6 |
| NW | | 1.4 | 2.0 | 1.9 | .2 | | | | | | | 5.4 | 9.6 |
| NNW | .1 | 1.0 | 1.1 | .7 | .2 | | | | | | | 3.2 | 9.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.6 | |
| | 1.5 | 15.7 | 36.5 | 35.2 | 7.3 | 1.2 | 1.0 | | | | | 100.0 | 10.7 |

TOTAL NUMBER OF OBSERVATIONS 810

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | .9 | 1.1 | 1.1 | .1 | | | | | | | 3.2 | 8.8 |
| NNE | | 1.5 | 1.0 | .6 | .2 | | | | | | | 3.3 | 8.7 |
| NE | .1 | .6 | .6 | .7 | | | | | | | | 2.1 | 8.3 |
| ENE | | .5 | .4 | | | | | | | | | .9 | 6.3 |
| E | | .4 | .5 | .4 | | | | | | | | 1.2 | 8.7 |
| ESE | | .4 | .6 | .4 | | | | | | | | 1.3 | 8.5 |
| SE | .1 | .9 | 2.2 | 1.1 | .1 | | | | | | | 4.4 | 8.9 |
| SSE | .1 | .5 | 1.1 | 2.3 | .5 | | | | | | | 4.5 | 11.2 |
| S | | 2.2 | 3.3 | 7.0 | .9 | .5 | | | | | | 13.9 | 11.5 |
| SSW | .1 | 1.3 | 3.3 | 3.8 | 1.1 | .6 | | | | | | 10.2 | 12.1 |
| SW | .4 | 1.2 | 3.4 | 3.2 | 1.5 | .4 | | | | | | 10.0 | 11.2 |
| WSW | .1 | 1.6 | 5.5 | 7.5 | 2.3 | 1.0 | | | | | | 18.0 | 12.3 |
| W | | 1.2 | 4.5 | 5.5 | 1.1 | .2 | | | | | | 12.5 | 11.4 |
| WNW | .2 | .5 | 1.9 | 1.6 | .1 | | | | | | | 4.4 | 9.9 |
| NW | | 1.0 | 1.8 | 1.8 | .1 | | | | | | | 4.7 | 9.8 |
| NNW | .2 | .5 | 1.9 | 1.1 | .5 | .1 | | | | | | 4.4 | 10.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.2 | |
| | 1.5 | 14.9 | 33.0 | 38.0 | 8.5 | 2.8 | | | | | | 100.0 | 10.9 |

TOTAL NUMBER OF OBSERVATIONS 823

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | .4 | 1.5 | .6 | .1 | | | | | | | 2.7 | 9.0 |
| NNE | | .9 | 1.7 | .2 | .1 | | | | | | | 2.9 | 8.8 |
| NE | | .7 | 1.2 | 1.2 | | | | | | | | 3.2 | 9.4 |
| ENE | | .5 | .4 | .2 | | | | | | | | 1.1 | 7.3 |
| E | .1 | .4 | .9 | .2 | | | | | | | | 1.6 | 7.5 |
| ESE | .1 | .4 | .7 | 1.2 | | | | | | | | 2.4 | 9.8 |
| SE | | .4 | 1.0 | 1.5 | .1 | | | | | | | 2.9 | 10.5 |
| SSE | | 1.5 | 2.2 | 2.4 | .4 | | | | | | | 6.5 | 10.0 |
| S | .1 | 1.0 | 2.4 | 6.7 | 1.0 | .2 | .1 | | | | | 11.6 | 12.4 |
| SSW | .1 | 1.2 | 2.8 | 3.7 | 1.8 | .1 | | | | | | 9.8 | 12.0 |
| SW | | 1.3 | 1.7 | 4.2 | 1.6 | 1.2 | | | | | | 10.0 | 13.6 |
| WSW | .1 | .6 | 3.5 | 7.2 | 3.8 | .5 | | | | | | 15.8 | 13.7 |
| W | .2 | .7 | 3.7 | 7.5 | 1.5 | .4 | | | | | | 14.0 | 12.2 |
| WNW | | 1.0 | 2.2 | 2.7 | .5 | | | | | | | 6.4 | 10.4 |
| NW | | .9 | 2.3 | 2.0 | .1 | .1 | | | | | | 5.4 | 10.1 |
| NNW | | .4 | 1.2 | 1.0 | .1 | | | | | | | 2.7 | 10.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 1.0 | 12.1 | 29.5 | 42.6 | 11.1 | 2.6 | .1 | | | | | 100.0 | 11.5 |

TOTAL NUMBER OF OBSERVATIONS 817

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | .7 | 2.5 | .5 | .1 | | | | | | | 4.0 | 8.6 |
| NNE | .1 | .4 | .6 | .9 | .4 | | | | | | | 2.4 | 10.3 |
| NE | .1 | .9 | 1.7 | .5 | | | | | | | | 3.2 | 8.4 |
| ENE | .1 | .2 | .6 | .2 | | | | | | | | 1.2 | 8.1 |
| E | | .5 | .1 | .7 | | | | | | | | 1.4 | 9.7 |
| ESE | .2 | | 1.2 | .7 | .1 | | | | | | | 2.4 | 10.1 |
| SE | .1 | .6 | 1.1 | 1.4 | .1 | | | | | | | 3.4 | 10.5 |
| SSE | | .2 | 1.6 | 1.6 | .5 | | | | | | | 4.0 | 11.8 |
| S | .1 | .4 | 2.2 | 6.5 | 1.1 | .1 | | | | | | 10.4 | 12.7 |
| SSW | .2 | .5 | 1.5 | 3.9 | 2.1 | .2 | | | | | | 8.4 | 13.6 |
| SW | | .4 | 2.2 | 4.5 | 3.1 | .9 | | | | | | 11.1 | 14.6 |
| WSW | .1 | .9 | 3.2 | 8.7 | 2.9 | 1.1 | .1 | .1 | | | | 17.1 | 13.9 |
| W | .2 | .5 | 4.8 | 8.6 | 2.4 | 1.2 | | | | | | 17.8 | 13.2 |
| WNW | | .9 | 1.9 | 2.5 | .7 | | | | | | | 6.0 | 11.0 |
| NW | .1 | .6 | 1.0 | 1.9 | .2 | | | | | | | 3.9 | 11.0 |
| NNW | .1 | .6 | .7 | 1.0 | | | | | | | | 2.5 | 9.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 1.9 | 8.3 | 27.2 | 44.0 | 13.8 | 3.6 | .1 | .1 | | | | 100.0 | 12.3 |

TOTAL NUMBER OF OBSERVATIONS 805

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | .1 | 2.6 | 1.2 | .1 | | | | | | | 4.0 | 10.0 |
| NNE | | .2 | 1.1 | 1.7 | | | | | | | | 3.1 | 10.3 |
| NE | .2 | .5 | .6 | .4 | | | | | | | | 1.7 | 7.4 |
| ENE | | .4 | .9 | .4 | | | | | | | | 1.6 | 8.8 |
| E | | .9 | .9 | | | | | | | | | 1.7 | 6.3 |
| ESE | .1 | .2 | .9 | .2 | | | | | | | | 1.5 | 8.3 |
| SE | .1 | .4 | 1.3 | 1.8 | .1 | | | | | | | 3.8 | 10.9 |
| SSE | .1 | .2 | 2.0 | 2.9 | .2 | .4 | | | | | | 5.9 | 11.8 |
| S | | .4 | 2.6 | 5.3 | 1.8 | .1 | | | | | | 10.2 | 13.3 |
| SSW | .1 | .5 | 2.4 | 3.9 | .6 | .5 | | | | | | 8.1 | 12.5 |
| SW | | .6 | 1.7 | 5.4 | 1.5 | .6 | | | | | | 9.8 | 13.8 |
| WSW | | .6 | 3.8 | 7.5 | 1.7 | 1.5 | .4 | | | | | 15.4 | 14.2 |
| W | .1 | .9 | 4.4 | 10.0 | 2.0 | .5 | .2 | | | | | 18.1 | 12.8 |
| WNW | | .2 | 1.8 | 2.2 | .9 | .2 | | | | | | 4.9 | 12.1 |
| NW | .1 | 1.7 | 1.6 | 2.9 | | | | | | | | 6.4 | 9.6 |
| NNW | .1 | .1 | 1.5 | 1.1 | .1 | | | | | | | 2.9 | 9.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 1.1 | 8.0 | 30.0 | 47.0 | 8.6 | 3.8 | .6 | | | | | 100.0 | 12.0 |

TOTAL NUMBER OF OBSERVATIONS 817

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.5 | 2.4 | 1.5 | .2 | | | | | | | 5.7 | 8.9 |
| NNE | | 1.0 | .7 | .6 | | | | | | | | 2.3 | 8.4 |
| NE | | .4 | .7 | .1 | .1 | | | | | | | 1.3 | 8.5 |
| ENE | | .2 | .9 | .2 | | | | | | | | 1.3 | 9.4 |
| E | | 1.6 | 1.0 | .2 | | | | | | | | 2.8 | 6.6 |
| ESE | .1 | 1.3 | .4 | .2 | | | | | | | | 2.1 | 6.2 |
| SE | .2 | .7 | 1.1 | 1.9 | .4 | | | | | | | 4.4 | 10.8 |
| SSE | | .7 | 2.3 | 2.9 | .4 | .2 | | | | | | 6.6 | 11.5 |
| S | | 1.6 | 2.7 | 4.6 | .9 | | | | | | | 9.7 | 11.3 |
| SSW | .1 | .4 | 2.7 | 3.6 | .2 | | | | | | | 7.0 | 11.4 |
| SW | | 1.0 | 3.3 | 6.1 | .7 | .2 | | | | | | 11.3 | 12.0 |
| WSW | | 2.2 | 5.7 | 8.4 | 2.6 | .7 | .2 | | | | | 19.8 | 12.3 |
| W | | 1.7 | 5.7 | 6.0 | 1.3 | .1 | .2 | | | | | 15.1 | 11.4 |
| WNW | | 1.1 | 1.7 | 1.2 | .2 | | | | | | | 4.3 | 9.5 |
| NW | | .9 | 1.6 | .6 | .1 | | | | | | | 3.2 | 8.9 |
| NNW | | .6 | 1.0 | 1.1 | | | | | | | | 2.7 | 9.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .5 | |
| | .6 | 16.8 | 33.8 | 39.8 | 7.2 | 1.3 | .5 | | | | | 100.0 | 10.8 |

TOTAL NUMBER OF OBSERVATIONS 823

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 1.3 | .2 | .5 | .2 | | | | | | | 2.3 | 8.7 |
| NNE | | .7 | .1 | .9 | | | | | | | | 1.7 | 9.4 |
| NE | .2 | 2.0 | .9 | .2 | | | | | | | | 3.3 | 6.3 |
| ENE | | 1.0 | .5 | .5 | | | | | | | | 2.0 | 8.1 |
| E | | .6 | 1.1 | .4 | | | | | | | | 2.1 | 8.1 |
| ESE | | 1.0 | .7 | .2 | | | | | | | | 2.0 | 6.9 |
| SE | | 1.0 | 1.1 | .7 | | | | | | | | 2.8 | 8.7 |
| SSE | .1 | .6 | 1.7 | 2.9 | .9 | | | | | | | 6.2 | 11.9 |
| S | | 1.8 | 2.7 | 6.2 | 1.1 | .1 | | | | | | 12.0 | 11.6 |
| SSW | .1 | 1.0 | 2.7 | 2.8 | .2 | | .1 | | | | | 7.0 | 10.7 |
| SW | | 1.6 | 2.9 | 5.6 | 1.0 | | | | | | | 11.2 | 11.5 |
| WSW | | 1.8 | 4.9 | 9.6 | 2.9 | | .1 | | | | | 19.4 | 12.4 |
| W | | 1.7 | 6.9 | 4.7 | 1.0 | .1 | .1 | | | | | 14.5 | 10.8 |
| WNW | .2 | .5 | 2.9 | 1.7 | .6 | .1 | | | | | | 6.1 | 11.0 |
| NW | .2 | .5 | 2.8 | .6 | .1 | .1 | | | | | | 4.4 | 9.4 |
| NNW | | .4 | 1.0 | .9 | .1 | | | | | | | 2.3 | 10.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .7 | |
| | 1.0 | 17.5 | 33.2 | 38.5 | 8.2 | .5 | .8 | | | | | 100.0 | 10.7 |

TOTAL NUMBER OF OBSERVATIONS 816

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | .8 | 1.5 | .8 | .1 | | | | | | | 3.4 | 8.9 |
| NNE | .0 | .7 | .8 | .8 | .1 | | | | | | | 2.4 | 9.3 |
| NE | .1 | .9 | .8 | .5 | .0 | | | | | | | 2.4 | 7.9 |
| ENE | .0 | .5 | .6 | .2 | | | | | | | | 1.4 | 8.0 |
| E | .0 | .8 | .7 | .3 | | | | | | | | 1.8 | 7.5 |
| ESE | .1 | .5 | .9 | .4 | .0 | | | | | | | 2.0 | 8.3 |
| SE | .1 | .7 | 1.4 | 1.3 | .2 | | | | | | | 3.6 | 9.9 |
| SSE | .1 | .6 | 1.7 | 2.5 | .5 | .1 | | | | | | 5.4 | 11.4 |
| S | .0 | 1.4 | 2.7 | 5.7 | 1.0 | .2 | .1 | | | | | 11.1 | 11.9 |
| SSW | .1 | .9 | 2.5 | 3.7 | .9 | .2 | .0 | | | | | 8.5 | 12.1 |
| SW | .1 | 1.1 | 3.1 | 4.8 | 1.5 | .5 | .0 | | | | | 11.1 | 12.5 |
| WSW | .1 | 1.4 | 4.9 | 8.2 | 2.5 | .7 | .1 | .0 | | | | 17.9 | 12.7 |
| W | .1 | 1.3 | 5.0 | 6.7 | 1.4 | .3 | .1 | | | | | 14.9 | 11.8 |
| WNW | .1 | .8 | 2.3 | 2.0 | .4 | .1 | | | | | | 5.5 | 10.5 |
| NW | .1 | .9 | 1.9 | 1.5 | .1 | .0 | | | | | | 4.6 | 9.8 |
| NNW | .1 | .5 | 1.2 | 1.0 | .2 | .0 | | | | | | 2.9 | 10.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 1.2 | 13.8 | 32.0 | 40.8 | 8.9 | 2.2 | .8 | .0 | | | | 100.0 | 11.2 |

TOTAL NUMBER OF OBSERVATIONS 6529

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 1.6 | 1.9 | 1.9 | .7 | | | | | | | 6.0 | 10.3 |
| NNE | | .5 | 1.9 | .9 | | .1 | | | | | | 3.5 | 10.1 |
| NE | .1 | 1.3 | 1.7 | .8 | | | | | | | | 4.0 | 8.2 |
| ENE | .3 | .8 | .4 | .1 | | | | | | | | 1.6 | 5.8 |
| E | .1 | .4 | 1.6 | .7 | | | | | | | | 2.8 | 8.4 |
| ESE | | .3 | .9 | .3 | | | | | | | | 1.5 | 8.5 |
| SE | .1 | .7 | 1.7 | 1.1 | | | | | | | | 3.6 | 9.2 |
| SSE | | .5 | 3.2 | 2.0 | .4 | | | | | | | 6.2 | 10.6 |
| S | .3 | 2.4 | 4.0 | 4.2 | .4 | | | | | | | 11.3 | 10.1 |
| SSW | | 1.3 | 3.1 | 2.8 | 1.7 | .1 | | | | | | 9.1 | 12.0 |
| SW | | 1.6 | 3.2 | 3.8 | 1.6 | .1 | | | | | | 10.3 | 11.7 |
| WSW | .1 | 1.6 | 4.7 | 5.8 | 1.2 | | | | | | | 13.4 | 11.2 |
| W | .1 | 2.4 | 5.6 | 5.0 | .1 | | | | | | | 13.3 | 10.0 |
| WNW | .1 | 1.1 | 1.9 | 2.3 | .1 | | | | | | | 5.5 | 10.1 |
| NW | .1 | .9 | .9 | 1.6 | .3 | | | | | | | 3.9 | 10.2 |
| NNW | | .8 | 1.1 | .8 | .3 | | | | | | | 2.9 | 9.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 1.5 | 18.4 | 37.9 | 33.9 | 6.8 | .4 | | | | | | 100.0 | 10.2 |

TOTAL NUMBER OF OBSERVATIONS 786

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 1.5 | 2.1 | 1.5 | .1 | | | | | | | 5.2 | 9.3 |
| NNE | .4 | .9 | 1.9 | .8 | | | | | | | | 4.0 | 8.3 |
| NE | .1 | .4 | 1.1 | .8 | .1 | | | | | | | 2.5 | 9.4 |
| ENE | | .5 | .3 | .1 | | | | | | | | .9 | 7.3 |
| E | .1 | .7 | 1.3 | .5 | | | | | | | | 2.7 | 8.8 |
| ESE | | 1.1 | .8 | .5 | | | | | | | | 2.4 | 7.7 |
| SE | | 1.2 | 1.3 | 1.1 | | | | | | | | 3.6 | 8.6 |
| SSE | .1 | 1.2 | 2.8 | 2.0 | 1.1 | | | | | | | 7.2 | 10.4 |
| S | .1 | 2.4 | 4.4 | 4.8 | .4 | | | | | | | 12.2 | 10.2 |
| SSW | | 1.9 | 2.3 | 2.4 | .9 | | | | | | | 7.5 | 10.4 |
| SW | | .5 | 2.8 | 4.8 | .9 | | | | | | | 9.1 | 12.4 |
| WSW | | 1.7 | 5.6 | 5.6 | 1.2 | | | | | | | 14.2 | 11.1 |
| W | .1 | 2.9 | 4.4 | 4.4 | .5 | | | | | | | 12.4 | 9.8 |
| WNW | .1 | 1.3 | 2.5 | 2.1 | | | | | | | | 6.2 | 9.6 |
| NW | | .5 | 1.3 | 2.8 | .3 | | | | | | | 5.0 | 11.4 |
| NNW | | .3 | 1.2 | 1.2 | .4 | | | | | | | 3.1 | 11.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.7 | |
| | 1.2 | 19.1 | 36.3 | 35.6 | 6.0 | | | | | | | 100.0 | 10.1 |

TOTAL NUMBER OF OBSERVATIONS 787

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 1.1 | .7 | 1.2 | | | | | | | | 2.9 | 8.7 |
| NNE | .1 | .5 | 2.0 | 1.3 | | | | | | | | 4.0 | 9.2 |
| NE | .4 | .7 | .8 | 1.1 | | | | | | | | 2.9 | 8.6 |
| ENE | | .1 | .7 | | | | | | | | | .8 | 9.2 |
| E | | 1.3 | 1.1 | 1.1 | | | | | | | | 3.4 | 8.4 |
| ESE | .4 | .7 | 1.6 | 1.1 | | | | | | | | 3.7 | 8.9 |
| SE | .1 | .7 | 1.5 | .9 | | .1 | | | | | | 3.3 | 9.2 |
| SSE | .3 | 1.9 | 1.5 | 2.5 | .3 | .1 | | | | | | 6.5 | 9.9 |
| S | | 2.7 | 4.4 | 5.4 | 1.7 | .3 | | | | | | 14.5 | 11.0 |
| SSW | .3 | 1.5 | 2.7 | 2.8 | .9 | .3 | | | | | | 8.4 | 10.9 |
| SW | .1 | .8 | 2.5 | 2.7 | 1.5 | .3 | | | | | | 7.8 | 12.2 |
| WSW | .3 | 1.1 | 3.7 | 6.4 | .9 | .1 | | | | | | 12.5 | 11.5 |
| W | .3 | 2.7 | 4.0 | 4.1 | .4 | | | | | | | 11.4 | 9.7 |
| WNW | | 1.6 | 2.4 | 1.6 | .7 | | | | | | | 6.2 | 9.8 |
| NW | .1 | .9 | 1.9 | 3.1 | .3 | | | | | | | 6.2 | 10.4 |
| NNW | .1 | .1 | 2.0 | 1.6 | | | | | | | | 3.8 | 10.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.6 | |
| | 2.5 | 18.2 | 33.2 | 36.7 | 6.6 | 1.2 | | | | | | 100.0 | 10.2 |

TOTAL NUMBER OF OBSERVATIONS 754

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 1.1 | 1.1 | 1.2 | | | | | | | | 3.3 | 9.2 |
| NNE | | .4 | .8 | 1.7 | | | | | | | | 2.9 | 10.9 |
| NE | .1 | .4 | 1.9 | .9 | | | | | | | | 3.3 | 9.2 |
| ENE | | .3 | 1.2 | .9 | .1 | | | | | | | 2.5 | 10.1 |
| E | | .3 | 1.2 | .4 | | | | | | | | 1.9 | 8.9 |
| ESE | .1 | .5 | 2.0 | 1.5 | .3 | | | | | | | 4.4 | 10.0 |
| SE | | .9 | 1.6 | 1.2 | .3 | | | | | | | 4.0 | 9.5 |
| SSE | .1 | 1.6 | 2.0 | 1.5 | .3 | | | | | | | 5.5 | 9.5 |
| S | .5 | .9 | 3.1 | 6.4 | 1.7 | .5 | .1 | | | | | 13.4 | 12.6 |
| SSW | .1 | .5 | 2.7 | 2.8 | 1.5 | .7 | | | | | | 8.3 | 12.9 |
| SW | .5 | 1.5 | 2.8 | 4.0 | .9 | .9 | | | | | | 10.7 | 11.7 |
| WSW | | 1.5 | 2.9 | 4.5 | 2.0 | .7 | .1 | | | | | 11.7 | 12.9 |
| W | .3 | .7 | 3.7 | 4.7 | .5 | | | | | | | 9.9 | 10.8 |
| WNW | | .7 | 2.4 | 3.9 | | .1 | | | | | | 7.1 | 11.4 |
| NW | .1 | .8 | 2.1 | 2.4 | | | | | | | | 5.5 | 10.0 |
| NNW | | .5 | 1.9 | 1.5 | .3 | | | | | | | 4.1 | 10.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.5 | |
| | 2.0 | 12.6 | 33.9 | 39.5 | 7.9 | 2.9 | .3 | | | | | 100.0 | 11.1 |

TOTAL NUMBER OF OBSERVATIONS 749

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .4 | .3 | 2.7 | 1.6 | | | | | | | | 5.0 | 8.9 |
| NNE | .1 | .4 | 1.3 | 2.0 | .1 | | | | | | | 4.0 | 10.7 |
| NE | | .3 | 1.3 | 1.6 | | | | | | | | 3.2 | 10.3 |
| ENE | | .1 | .8 | .5 | | | | | | | | 1.5 | 9.8 |
| E | | .4 | 2.2 | .4 | | | | | | | | 3.0 | 8.5 |
| ESE | .1 | .5 | 2.2 | .7 | | | | | | | | 3.5 | 8.6 |
| SE | .1 | .7 | 1.3 | 2.0 | | | | | | | | 4.2 | 9.6 |
| SSE | | .4 | 1.7 | 1.3 | .1 | .3 | | | | | | 3.9 | 11.1 |
| S | .3 | .4 | 1.6 | 5.5 | 2.0 | .8 | | | | | | 10.6 | 13.9 |
| SSW | | .7 | 1.9 | 6.7 | 1.9 | .1 | .3 | | | | | 11.6 | 13.5 |
| SW | .1 | .1 | 2.4 | 3.4 | 1.5 | 1.2 | .1 | | | | | 8.9 | 14.4 |
| WSW | | .5 | 1.9 | 3.9 | 2.2 | 1.2 | | | | | | 9.7 | 14.5 |
| W | | .9 | 3.5 | 7.1 | 1.2 | .3 | .1 | | | | | 13.2 | 12.5 |
| WNW | .1 | .9 | 1.7 | 4.3 | .4 | .1 | | | | | | 7.7 | 11.6 |
| NW | .3 | .3 | 3.8 | 1.3 | .5 | | | | | | | 6.2 | 9.9 |
| NNW | | .7 | .9 | 1.5 | .1 | | | | | | | 3.2 | 10.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .8 | |
| | 1.6 | 7.7 | 31.3 | 44.0 | 10.1 | 4.0 | .5 | | | | | 100.0 | 12.0 |

TOTAL NUMBER OF OBSERVATIONS 744

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 66

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | .7 | 2.7 | 2.4 | | | | | | | | 5.9 | 10.1 |
| NNE | | .3 | 1.2 | 2.1 | .3 | | | | | | | 3.9 | 11.8 |
| NE | | .5 | 2.1 | 1.3 | | | | | | | | 4.0 | 9.3 |
| ENE | | .3 | .8 | .4 | | | | | | | | 1.5 | 9.0 |
| E | .1 | .5 | 2.1 | .4 | | | | | | | | 3.2 | 7.7 |
| ESE | .1 | .3 | 1.9 | .4 | | | | | | | | 2.7 | 8.8 |
| SE | | .5 | 1.9 | 1.1 | | | | | | | | 3.5 | 9.6 |
| SSE | | .1 | 1.3 | 1.3 | | .4 | | | | | | 3.2 | 12.7 |
| S | | .4 | 2.3 | 4.4 | 1.3 | .4 | | | | | | 8.8 | 12.9 |
| SSW | | .4 | 2.4 | 5.2 | 2.5 | .4 | | | | | | 10.9 | 13.6 |
| SW | .1 | | 2.4 | 5.2 | 2.1 | .4 | | | | | | 10.3 | 13.8 |
| WSW | | .4 | 1.7 | 4.5 | 1.3 | 1.3 | | | | | | 9.3 | 14.2 |
| W | | .5 | 4.5 | 6.3 | 2.4 | .3 | | | | | | 14.0 | 12.3 |
| WNW | | .1 | 3.9 | 3.5 | .9 | | | | | | | 8.4 | 11.6 |
| NW | .1 | .8 | 2.8 | 1.9 | .4 | | | | | | | 6.0 | 10.1 |
| NNW | | .4 | 1.9 | .9 | .5 | | | | | | | 3.7 | 10.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .7 | |
| | .7 | 6.3 | 35.9 | 41.4 | 11.9 | 3.2 | | | | | | 100.0 | 11.8 |

TOTAL NUMBER OF OBSERVATIONS 749

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 2.0 | 3.9 | 1.6 | .1 | | | | | | | 7.7 | 8.7 |
| NNE | .1 | .8 | 2.1 | 2.0 | .4 | | | | | | | 5.5 | 10.4 |
| NE | | .9 | 2.5 | .3 | | | | | | | | 3.7 | 7.7 |
| ENE | | .4 | .1 | | | | | | | | | .5 | 5.3 |
| E | | 1.3 | 1.5 | .3 | | | | | | | | 3.1 | 7.3 |
| ESE | .1 | 1.1 | 1.6 | .7 | | | | | | | | 3.5 | 8.0 |
| SE | | .1 | 1.3 | 1.6 | | | | | | | | 3.1 | 10.9 |
| SSE | | .4 | 1.5 | 2.0 | .5 | | | | | | | 4.4 | 11.8 |
| S | .1 | .4 | 2.3 | 4.9 | .8 | | | | | | | 8.5 | 12.5 |
| SSW | | .8 | 4.7 | 3.9 | 1.1 | .4 | | | | | | 10.8 | 11.6 |
| SW | .3 | 1.6 | 2.8 | 4.3 | .5 | .3 | | | | | | 9.7 | 10.6 |
| WSW | .4 | 2.0 | 3.7 | 2.8 | 1.5 | .3 | | | | | | 10.7 | 10.9 |
| W | .4 | 1.6 | 4.0 | 5.2 | .8 | .3 | | | | | | 12.3 | 11.1 |
| WNW | .3 | 2.1 | 3.3 | 1.7 | .3 | | | | | | | 7.7 | 8.8 |
| NW | | 1.3 | 1.6 | 2.1 | | | | | | | | 5.1 | 9.8 |
| NNW | | .5 | .7 | 1.5 | .5 | | | | | | | 3.2 | 11.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .7 | |
| | 1.9 | 17.4 | 37.5 | 34.8 | 6.5 | 1.2 | | | | | | 100.0 | 10.3 |

TOTAL NUMBER OF OBSERVATIONS 751

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.9 | 3.9 | 2.3 | .5 | | | | | | | 8.7 | 9.7 |
| NNE | | 1.5 | 1.5 | .9 | | .1 | .1 | | | | | 4.1 | 9.4 |
| NE | .3 | 1.3 | .9 | .7 | .1 | .1 | | | | | | 3.5 | 8.7 |
| ENE | | .5 | .4 | .5 | | | | | | | | 1.5 | 8.5 |
| E | .5 | .5 | 1.9 | | | | | | | | | 2.9 | 6.6 |
| ESE | | .7 | 1.1 | .5 | .1 | | | | | | | 2.4 | 8.9 |
| SE | | .8 | 1.6 | 1.2 | .1 | | | | | | | 3.7 | 9.8 |
| SSE | | .4 | 2.4 | 1.9 | .8 | | | | | | | 5.5 | 11.4 |
| S | | 1.2 | 2.7 | 4.4 | .5 | | | | | | | 8.8 | 11.3 |
| SSW | | 1.1 | 4.5 | 3.6 | 1.6 | .4 | | | | | | 11.2 | 12.2 |
| SW | .1 | 1.2 | 3.9 | 3.1 | .7 | .1 | | | | | | 9.1 | 10.7 |
| WSW | .3 | 2.0 | 4.8 | 4.8 | .9 | .3 | | | | | | 13.1 | 10.5 |
| W | .1 | .4 | 5.7 | 4.4 | .1 | .3 | | | | | | 11.1 | 11.0 |
| WNW | | 1.9 | 1.6 | 2.0 | .1 | | | | | | | 5.6 | 9.6 |
| NW | .1 | .5 | 1.2 | 2.0 | .4 | | | | | | | 4.3 | 11.4 |
| NNW | .1 | .5 | .9 | .7 | .4 | | | | | | | 2.7 | 10.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.7 | |
| | 1.7 | 16.4 | 39.0 | 33.0 | 6.6 | 1.3 | .1 | | | | | 100.0 | 10.3 |

TOTAL NUMBER OF OBSERVATIONS 748

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.3 | 2.4 | 1.7 | .2 | | | | | | | 5.6 | 9.4 |
| NNE | .1 | .7 | 1.6 | 1.5 | .1 | .0 | .0 | | | | | 4.0 | 10.1 |
| NE | .1 | .7 | 1.6 | .9 | .0 | .0 | | | | | | 3.4 | 8.9 |
| ENE | .0 | .4 | .6 | .3 | .0 | | | | | | | 1.4 | 8.5 |
| E | .1 | .7 | 1.6 | .5 | | | | | | | | 2.9 | 8.0 |
| ESE | .1 | .6 | 1.5 | .7 | .1 | | | | | | | 3.0 | 8.8 |
| SE | .1 | .7 | 1.5 | 1.3 | .1 | .0 | | | | | | 3.6 | 9.5 |
| SSE | .1 | .8 | 2.1 | 1.8 | .4 | .1 | | | | | | 5.3 | 10.8 |
| S | .2 | 1.4 | 3.1 | 5.0 | 1.1 | .3 | .0 | | | | | 11.0 | 11.7 |
| SSW | .1 | 1.0 | 3.0 | 3.8 | 1.5 | .3 | .0 | | | | | 9.7 | 12.3 |
| SW | .2 | .9 | 2.9 | 3.9 | 1.2 | .4 | .0 | | | | | 9.5 | 12.2 |
| WSW | .1 | 1.4 | 3.6 | 4.8 | 1.4 | .5 | .0 | | | | | 11.8 | 11.9 |
| W | .2 | 1.5 | 4.4 | 5.1 | .8 | .1 | .0 | | | | | 12.2 | 10.9 |
| WNW | .1 | 1.2 | 2.5 | 2.7 | .3 | .0 | | | | | | 6.8 | 10.4 |
| NW | .1 | .8 | 2.0 | 2.2 | .3 | | | | | | | 5.3 | 10.4 |
| NNW | .0 | .5 | 1.3 | 1.2 | .3 | | | | | | | 3.4 | 10.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.2 | |
| | 1.6 | 14.5 | 35.6 | 37.9 | 7.8 | 1.8 | .1 | | | | | 100.0 | 10.7 |

TOTAL NUMBER OF OBSERVATIONS 5988

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 2.1 | 1.9 | .5 | .7 | | | | | | | 5.2 | 8.8 |
| NNE | | 1.1 | 1.5 | .5 | .1 | | | | | | | 3.2 | 8.4 |
| NE | | 1.5 | 1.7 | .5 | | | | | | | | 3.6 | 7.5 |
| ENE | .1 | 1.3 | 1.5 | .7 | | | | | | | | 3.6 | 7.9 |
| E | .1 | 1.2 | 1.7 | .5 | | | | | | | | 3.5 | 7.6 |
| ESE | .1 | 1.0 | 1.6 | 1.2 | | | | | | | | 3.9 | 8.8 |
| SE | | 1.2 | 2.9 | 2.4 | .5 | | | | | | | 7.0 | 10.4 |
| SSE | .1 | .7 | 4.5 | 3.0 | .5 | | | | | | | 8.9 | 10.3 |
| S | | 1.3 | 4.1 | 3.0 | 1.7 | | | | | | | 10.2 | 11.3 |
| SSW | | 1.1 | 1.8 | 2.9 | 1.3 | .1 | | | | | | 7.3 | 12.6 |
| SW | .1 | 1.3 | 1.2 | 3.0 | .5 | .2 | | | | | | 6.4 | 11.6 |
| WSW | .2 | 1.2 | 2.8 | 3.4 | .4 | .1 | | | | | | 8.1 | 10.5 |
| W | .1 | .8 | 4.1 | 4.7 | .6 | | | | | | | 10.4 | 11.2 |
| WNW | .1 | 1.5 | 4.1 | 2.8 | .4 | | | | | | | 8.9 | 10.1 |
| NW | | .8 | 2.1 | 2.4 | .8 | | | | | | | 6.2 | 11.6 |
| NNW | | .6 | 1.3 | 1.1 | .1 | | | | | | | 3.2 | 9.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .4 | |
| | 1.1 | 18.8 | 38.8 | 32.8 | 7.6 | .5 | | | | | | 100.0 | 10.3 |

TOTAL NUMBER OF OBSERVATIONS 824

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .2 | 1.6 | 1.9 | .5 | .5 | | | | | | | 4.7 | 8.6 |
| NNE | | 1.3 | 1.2 | .6 | .1 | | | | | | | 3.3 | 8.6 |
| NE | | .4 | 2.1 | .9 | .2 | | | | | | | 3.5 | 9.8 |
| ENE | | .7 | 1.3 | .7 | .2 | | | | | | | 3.0 | 9.5 |
| E | | 1.8 | 1.5 | .9 | | | | | | | | 4.1 | 7.8 |
| ESE | .1 | 1.0 | 1.5 | 1.5 | | | | | | | | 4.0 | 9.4 |
| SE | | 1.3 | 2.4 | 1.5 | | | | | | | | 5.2 | 9.2 |
| SSE | | 1.2 | 3.5 | 3.3 | .6 | | | | | | | 8.6 | 11.0 |
| S | .1 | 1.3 | 5.7 | 4.7 | .7 | | .1 | | | | | 12.8 | 10.7 |
| SSW | .1 | .2 | 1.8 | 3.4 | 1.0 | .2 | | | | | | 6.8 | 12.9 |
| SW | .1 | 1.7 | 1.8 | 4.0 | .4 | | | | | | | 8.0 | 10.8 |
| WSW | | 1.0 | 3.8 | 2.2 | .7 | | | | | | | 7.7 | 10.7 |
| W | | 1.8 | 4.5 | 2.9 | .7 | | | | | | | 10.0 | 10.1 |
| WNW | .2 | 1.0 | 2.7 | 3.3 | .5 | | | | | | | 7.7 | 10.8 |
| NW | .1 | 1.5 | 2.6 | 2.7 | .5 | | | | | | | 7.3 | 10.2 |
| NNW | | .4 | .5 | 1.1 | | | | | | | | 1.9 | 10.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.2 | |
| | 1.1 | 18.2 | 38.8 | 34.1 | 6.2 | .2 | .1 | | | | | 100.0 | 10.2 |

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .2 | 1.2 | 1.6 | 1.1 | .5 | | | | | | | 4.6 | 9.7 |
| NNE | .1 | .7 | 1.5 | .5 | | | | | | | | 2.8 | 8.0 |
| NE | .4 | 1.6 | 1.1 | 1.0 | .1 | | | | | | | 4.1 | 8.0 |
| ENE | | .9 | 2.1 | .9 | .1 | | | | | | | 3.9 | 8.9 |
| E | .1 | .6 | 1.2 | .4 | | | | | | | | 2.3 | 7.9 |
| ESE | .1 | 1.0 | 1.1 | 1.0 | | | | | | | | 3.2 | 8.6 |
| SE | | .4 | 2.6 | 1.7 | .1 | | | | | | | 4.8 | 10.2 |
| SSE | .1 | 1.1 | 4.5 | 4.5 | .4 | .2 | .1 | | | | | 11.0 | 11.0 |
| S | .1 | 1.0 | 5.0 | 5.4 | 1.7 | | | | | | | 13.2 | 11.6 |
| SSW | .1 | .4 | 2.3 | 2.8 | 1.5 | .4 | | | | | | 7.4 | 12.8 |
| SW | .1 | .5 | 1.7 | 3.0 | .7 | | | | | | | 6.1 | 11.4 |
| WSW | .4 | 1.2 | 3.2 | 2.8 | .7 | .2 | | | | | | 8.5 | 10.6 |
| W | .6 | 2.2 | 5.1 | 3.3 | .5 | .1 | | | | | | 11.8 | 9.5 |
| WNW | .1 | 1.1 | 1.8 | 2.9 | .4 | | | | | | | 6.3 | 10.5 |
| NW | | .7 | 2.0 | 2.4 | .1 | | | | | | | 5.2 | 10.1 |
| NNW | .1 | 1.1 | .9 | 1.0 | | .1 | | | | | | 3.2 | 8.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.5 | |
| | 2.7 | 15.6 | 37.6 | 34.6 | 6.8 | 1.1 | .1 | | | | | 100.0 | 10.2 |

TOTAL NUMBER OF OBSERVATIONS 820

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.0 | 1.0 | 2.4 | .6 | | | | | | | 5.1 | 11.1 |
| NNE | .1 | 1.0 | 1.2 | 1.2 | | | | | | | | 3.5 | 9.3 |
| NE | | 1.0 | 1.5 | 1.0 | .4 | | | | | | | 3.7 | 9.7 |
| ENE | | .7 | 1.7 | 1.1 | .2 | | | | | | | 3.7 | 9.6 |
| E | .1 | .8 | 2.1 | 1.2 | | | | | | | | 4.2 | 8.9 |
| ESE | .1 | .4 | 1.6 | .4 | | | | | | | | 2.4 | 7.8 |
| SE | | .6 | 1.8 | 2.1 | | | | | | | | 4.5 | 10.1 |
| SSE | .1 | 1.0 | 2.3 | 3.7 | .8 | .4 | | | | | | 8.3 | 12.3 |
| S | .1 | .7 | 3.7 | 7.0 | 2.1 | .5 | | | | | | 14.1 | 13.0 |
| SSW | .1 | .4 | 1.5 | 3.6 | 1.1 | .6 | | | | | | 7.3 | 13.3 |
| SW | .4 | .1 | 1.7 | 4.0 | 1.8 | .7 | | | | | | 8.7 | 14.1 |
| WSW | .1 | .5 | 1.9 | 4.7 | 1.5 | .2 | | | | | | 8.9 | 12.9 |
| W | .1 | .7 | 3.0 | 4.5 | 1.1 | .1 | | | | | | 9.6 | 11.7 |
| WNW | | .4 | 1.2 | 3.9 | .4 | | | | | | | 5.8 | 12.3 |
| NW | .1 | .2 | 1.2 | 3.0 | .2 | .2 | | | | | | 5.1 | 12.2 |
| NNW | .1 | .6 | 1.2 | 1.8 | .5 | .1 | .1 | | | | | 4.5 | 11.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .5 | |
| | 1.7 | 10.0 | 28.5 | 45.6 | 10.6 | 2.9 | .1 | | | | | 100.0 | 11.8 |

TOTAL NUMBER OF OBSERVATIONS 827

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .2 | .9 | 1.3 | 2.6 | .7 | | | | | | | 5.7 | 11.3 |
| NNE | .1 | .2 | .7 | 1.7 | .1 | | | | | | | 2.9 | 11.3 |
| NE | .1 | .6 | .7 | 1.7 | | | | | | | | 3.2 | 10.1 |
| ENE | | .7 | 1.6 | .4 | | | | | | | | 2.7 | 8.0 |
| E | | .6 | 1.2 | 2.4 | .1 | | | | | | | 4.4 | 10.9 |
| ESE | | .9 | 2.1 | .7 | | | | | | | | 3.6 | 8.7 |
| SE | .1 | .5 | 1.6 | 1.2 | | | | | | | | 3.4 | 9.4 |
| SSE | | .6 | .6 | 2.6 | .9 | .2 | | | | | | 4.9 | 13.2 |
| S | .1 | .4 | 2.4 | 5.4 | 2.2 | .9 | | | | | | 11.3 | 13.7 |
| SSW | .1 | .1 | 1.1 | 2.6 | 3.4 | 2.1 | .1 | | | | | 9.5 | 17.0 |
| SW | .1 | .2 | 1.2 | 4.6 | 1.3 | 1.0 | .1 | | | | | 8.6 | 14.7 |
| WSW | .2 | .5 | 1.5 | 4.5 | 2.1 | 1.2 | | | | | | 10.0 | 14.7 |
| W | .1 | .5 | 2.8 | 7.2 | 2.2 | .7 | | | | | | 13.5 | 13.6 |
| WNW | .1 | .9 | 1.7 | 3.4 | .4 | .2 | | | | | | 6.7 | 11.8 |
| NW | | 1.0 | 1.5 | 2.6 | .7 | .4 | | | | | | 6.1 | 11.9 |
| NNW | | | 1.5 | 1.7 | .2 | | | | | | | 3.4 | 11.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .1 | |
| | 1.5 | 8.5 | 23.5 | 45.1 | 19.4 | 6.7 | .2 | | | | | 100.0 | 12.9 |

TOTAL NUMBER OF OBSERVATIONS 822

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | .5 | 2.4 | 4.1 | .7 | .1 | | | | | | 7.9 | 11.7 |
| NNE | | .7 | 1.3 | 2.2 | .4 | | | | | | | 4.6 | 11.1 |
| NE | | .5 | 1.8 | .4 | .1 | | | | | | | 2.8 | 8.6 |
| ENE | | 1.0 | .9 | .7 | | | | | | | | 2.6 | 8.7 |
| E | | 1.0 | 1.9 | 1.7 | | | | | | | | 4.6 | 9.5 |
| ESE | | .5 | .9 | .9 | | | | | | | | 2.2 | 9.6 |
| SE | .1 | .4 | 1.3 | 2.4 | .2 | | | | | | | 4.5 | 11.2 |
| SSE | .2 | .2 | 1.6 | 1.2 | .5 | .2 | | | | | | 4.0 | 11.6 |
| S | .1 | .2 | 1.8 | 5.5 | 2.2 | 1.5 | .2 | | | | | 11.6 | 15.2 |
| SSW | | .7 | 1.3 | 2.4 | 2.1 | .9 | .1 | | | | | 7.5 | 14.8 |
| SW | | .1 | 1.0 | 3.6 | 1.5 | 1.0 | .1 | | | | | 7.3 | 15.8 |
| WSW | | .6 | 1.7 | 5.4 | 1.8 | 1.5 | | | | | | 10.9 | 14.5 |
| W | | .4 | 3.5 | 7.4 | 2.2 | .9 | | | | | | 14.4 | 13.4 |
| WNW | | .1 | 1.7 | 3.2 | .5 | .6 | | | | | | 6.1 | 13.4 |
| NW | | .1 | .7 | 3.0 | .5 | .5 | | | | | | 4.9 | 14.0 |
| NNW | .1 | .2 | 1.5 | 1.6 | .2 | .1 | | | | | | 3.8 | 11.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .4 | |
| | .6 | 7.3 | 25.4 | 45.7 | 12.9 | 7.2 | .5 | | | | | 100.0 | 13.0 |

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 1.8 | 3.4 | 1.6 | | | | | | | | 6.8 | 8.7 |
| NNE | .1 | 1.6 | 2.6 | 1.6 | .5 | | | | | | | 6.4 | 9.3 |
| NE | | 2.0 | 2.4 | 1.1 | .1 | | | | | | | 5.6 | 8.6 |
| ENE | | 1.0 | 1.1 | .2 | | | | | | | | 2.3 | 7.3 |
| E | .1 | .6 | 3.5 | 1.6 | | | | | | | | 5.9 | 9.3 |
| ESE | | .2 | 1.2 | .6 | | | | | | | | 2.1 | 8.8 |
| SE | | 1.2 | 1.7 | 1.5 | .2 | | | | | | | 4.6 | 9.6 |
| SSE | | .4 | 1.5 | 1.3 | .5 | | | | | | | 3.7 | 11.3 |
| S | | .7 | 3.9 | 4.3 | 1.5 | .7 | | | | | | 11.1 | 12.8 |
| SSW | | 1.1 | 2.7 | 3.7 | 1.0 | .2 | | | | | | 8.7 | 12.0 |
| SW | | .6 | 2.0 | 1.3 | .6 | .5 | | | | | | 5.0 | 12.1 |
| WSW | | 1.7 | 1.7 | 3.9 | .6 | | | | | | | 7.9 | 11.2 |
| W | | 2.4 | 4.4 | 5.5 | 1.2 | | | | | | | 13.6 | 10.9 |
| WNW | .1 | .5 | 2.1 | 2.3 | 1.0 | | | | | | | 6.0 | 11.6 |
| NW | .1 | 1.1 | 2.1 | 2.1 | .6 | | | | | | | 6.0 | 10.7 |
| NNW | .1 | .6 | 1.3 | 1.3 | .4 | | | | | | | 3.8 | 10.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .5 | |
| | .6 | 17.6 | 37.7 | 34.0 | 8.2 | 1.5 | | | | | | 100.0 | 10.6 |

TOTAL NUMBER OF OBSERVATIONS 818

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.6 | 2.1 | 1.1 | .2 | | | | | | | 5.1 | 8.5 |
| NNE | .1 | 1.5 | 2.0 | 1.1 | | | | | | | | 4.7 | 8.1 |
| NE | .1 | 2.6 | 2.6 | .9 | | | | | | | | 6.1 | 7.6 |
| ENE | .2 | 1.6 | .9 | .6 | | | | | | | | 3.3 | 7.2 |
| E | .1 | 1.3 | 2.3 | 1.3 | | | | | | | | 5.1 | 8.8 |
| ESE | | .7 | 1.5 | .9 | | | | | | | | 3.1 | 8.8 |
| SE | | 1.1 | 3.5 | 2.2 | .1 | | | | | | | 7.0 | 9.8 |
| SSE | | 1.3 | 2.6 | 1.5 | .2 | | | | | | | 5.6 | 9.4 |
| S | | 1.6 | 3.5 | 5.4 | 1.7 | .1 | | | | | | 12.4 | 11.9 |
| SSW | | .7 | 1.6 | 2.9 | 1.3 | .1 | .1 | | | | | 6.9 | 13.1 |
| SW | | .6 | 1.6 | 1.2 | .5 | .4 | .1 | | | | | 4.4 | 12.4 |
| WSW | .1 | 1.1 | 2.9 | 2.9 | .2 | | | | | | | 7.3 | 10.2 |
| W | .1 | 1.7 | 5.4 | 4.3 | .4 | | | | | | | 11.9 | 10.1 |
| WNW | | .7 | 3.2 | 3.3 | .4 | | | | | | | 7.6 | 11.1 |
| NW | | 1.3 | 2.3 | 1.7 | .9 | | | | | | | 6.2 | 10.6 |
| NNW | | .2 | 1.1 | 1.0 | .1 | | | | | | | 2.4 | 10.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .9 | |
| | 1.0 | 19.8 | 39.0 | 32.3 | 6.1 | .6 | .2 | | | | | 100.0 | 10.1 |

TOTAL NUMBER OF OBSERVATIONS 817

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.3 | 2.0 | 1.7 | .5 | .0 | | | | | | 5.7 | 9.9 |
| NNE | .1 | 1.0 | 1.5 | 1.2 | .2 | | | | | | | 3.9 | 9.3 |
| NE | .1 | 1.2 | 1.7 | .9 | .1 | | | | | | | 4.1 | 8.6 |
| ENE | .0 | 1.0 | 1.4 | .7 | .1 | | | | | | | 3.1 | 8.5 |
| E | .1 | 1.0 | 1.9 | 1.2 | .0 | | | | | | | 4.3 | 9.0 |
| ESE | .1 | .7 | 1.4 | .9 | | | | | | | | 3.1 | 8.8 |
| SE | .0 | .8 | 2.2 | 1.9 | .2 | | | | | | | 5.1 | 10.0 |
| SSE | .1 | .8 | 2.6 | 2.6 | .5 | .1 | .0 | | | | | 6.9 | 11.2 |
| S | .1 | .9 | 3.8 | 5.1 | 1.7 | .5 | .0 | | | | | 12.1 | 12.5 |
| SSW | .1 | .6 | 1.8 | 3.0 | 1.6 | .6 | .0 | | | | | 7.7 | 13.7 |
| SW | .1 | .7 | 1.5 | 3.1 | .9 | .5 | .0 | | | | | 6.8 | 13.0 |
| WSW | .1 | 1.0 | 2.4 | 3.7 | 1.0 | .4 | | | | | | 8.7 | 12.1 |
| W | .1 | 1.3 | 4.1 | 5.0 | 1.1 | .2 | | | | | | 11.9 | 11.4 |
| WNW | .1 | .8 | 2.3 | 3.1 | .5 | .1 | | | | | | 6.9 | 11.3 |
| NW | .0 | .9 | 1.8 | 2.5 | .5 | .1 | | | | | | 5.9 | 11.3 |
| NNW | .1 | .5 | 1.2 | 1.3 | .2 | .0 | .0 | | | | | 3.3 | 10.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .7 | |
| | 1.3 | 14.5 | 33.7 | 38.0 | 9.1 | 2.6 | .2 | | | | | 100.0 | 11.1 |

TOTAL NUMBER OF OBSERVATIONS 6572

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | .8 | 2.3 | 1.9 | | | | | | | | 5.0 | 9.9 |
| NNE | .3 | 2.5 | 2.2 | .5 | | | | | | | | 5.5 | 6.9 |
| NE | | .8 | 1.5 | .1 | | | | | | | | 2.4 | 8.1 |
| ENE | | .5 | 1.8 | .4 | .1 | | | | | | | 2.8 | 8.9 |
| E | | 1.0 | 2.4 | .4 | .1 | | | | | | | 3.9 | 8.4 |
| ESE | | 1.7 | 2.0 | .5 | | | | | | | | 4.2 | 7.6 |
| SE | .1 | 2.4 | 2.9 | 1.0 | | | | | | | | 6.5 | 7.7 |
| SSE | | 2.3 | 3.7 | 1.1 | .1 | | | | | | | 7.2 | 8.2 |
| S | | 2.9 | 5.5 | 2.8 | .4 | | | | | | | 11.6 | 9.1 |
| SSW | .3 | 1.4 | 3.0 | 3.7 | .6 | | | | | | | 9.0 | 10.6 |
| SW | .3 | 1.4 | 4.1 | 2.8 | .6 | .1 | | | | | | 9.3 | 10.2 |
| WSW | | 1.4 | 3.2 | 3.2 | .5 | | | | | | | 8.3 | 10.6 |
| W | .1 | .9 | 4.6 | 2.0 | .8 | | | | | | | 8.4 | 10.6 |
| WNW | | .8 | 1.5 | 2.0 | .3 | | .1 | | | | | 4.7 | 11.1 |
| NW | .4 | 1.4 | 2.0 | 1.8 | .3 | | .1 | | | | | 6.0 | 9.8 |
| NNW | | 1.3 | 1.4 | 1.1 | .1 | | | | | | | 3.9 | 8.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.4 | |
| | 1.4 | 23.9 | 44.1 | 25.9 | 3.9 | .1 | .3 | | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS 787

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .3 | 2.6 | 2.8 | 1.3 | | | | | | | | 6.9 | 7.8 |
| NNE | .3 | 1.0 | 1.6 | .5 | | | | | | | | 3.4 | 8.0 |
| NE | .1 | 1.1 | .6 | .3 | | | | | | | | 2.1 | 6.3 |
| ENE | | .5 | 1.5 | .4 | .1 | | | | | | | 2.5 | 9.2 |
| E | | .8 | 1.4 | .1 | .3 | | | | | | | 2.5 | 8.5 |
| ESE | .1 | .8 | 1.1 | .8 | | | | | | | | 2.8 | 8.6 |
| SE | .1 | 1.4 | 2.9 | .5 | | | | | | | | 4.9 | 7.7 |
| SSE | | 2.0 | 4.5 | 1.5 | | | | | | | | 8.1 | 8.5 |
| S | | 4.3 | 5.3 | 5.3 | 1.0 | | | | | | | 15.9 | 9.8 |
| SSW | | .8 | 3.7 | 2.4 | .6 | | | | | | | 7.4 | 10.5 |
| SW | | 1.5 | 2.6 | 4.0 | .9 | | | | | | | 9.1 | 11.3 |
| WSW | .1 | .9 | 2.6 | 4.0 | .1 | | | | | | | 7.8 | 10.8 |
| W | .1 | .5 | 4.5 | 3.2 | .4 | .4 | | | | | | 9.1 | 11.1 |
| WNW | | 1.0 | 2.1 | 1.4 | .3 | | | | | | | 4.8 | 9.7 |
| NW | .3 | 1.0 | 2.9 | 2.6 | .1 | | | | | | | 6.9 | 9.9 |
| NNW | | 1.5 | 1.3 | .6 | | | | | | | | 3.4 | 8.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.3 | |
| | 1.4 | 21.7 | 41.6 | 28.9 | 3.8 | .4 | | | | | | 100.0 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS 793

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .4 | 1.1 | 3.1 | 1.5 | .8 | | | | | | | 6.9 | 9.7 |
| NNE | .4 | 1.3 | 1.4 | .8 | | | | | | | | 3.8 | 7.8 |
| NE | .5 | .8 | 1.3 | .4 | .3 | | | | | | | 3.1 | 7.6 |
| ENE | .1 | .8 | 1.4 | .8 | .1 | | | | | | | 3.1 | 9.0 |
| E | | .5 | 1.4 | .8 | | | | | | | | 2.6 | 9.3 |
| ESE | | .5 | 1.5 | .1 | .3 | | | | | | | 2.4 | 9.5 |
| SE | .1 | .9 | 2.3 | 2.1 | | | | | | | | 5.4 | 9.6 |
| SSE | .1 | 1.6 | 4.4 | 2.4 | .1 | .1 | | | | | | 8.8 | 9.2 |
| S | .4 | 2.1 | 5.5 | 5.9 | 1.1 | | | | | | | 15.1 | 10.3 |
| SSW | | 1.6 | 1.6 | 3.4 | 1.3 | .3 | | | | | | 8.2 | 12.1 |
| SW | | .9 | 1.4 | 3.4 | 1.4 | .3 | | | | | | 7.3 | 12.9 |
| WSW | .1 | .9 | 1.4 | 3.1 | .5 | | | | | | | 6.0 | 11.4 |
| W | .1 | .8 | 4.4 | 4.5 | .8 | .3 | .1 | | | | | 10.9 | 11.3 |
| WNW | .3 | .8 | 2.4 | 1.3 | .3 | .1 | | | | | | 5.0 | 9.5 |
| NW | | 1.0 | 1.6 | 2.4 | .6 | | | | | | | 5.6 | 10.9 |
| NNW | .1 | 1.4 | 1.4 | .6 | .4 | | | | | | | 3.9 | 9.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.9 | |
| | 2.6 | 16.8 | 36.4 | 33.4 | 7.8 | 1.0 | .1 | | | | | 100.0 | 10.1 |

TOTAL NUMBER OF OBSERVATIONS 797

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L S T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | .8 | 5.5 | 2.1 | 1.0 | | | | | | | 9.4 | 10.5 |
| NNE | | .5 | 1.3 | 1.1 | .1 | | | | | | | 3.0 | 9.8 |
| NE | | .9 | 1.1 | 1.4 | .1 | | | | | | | 3.5 | 9.8 |
| ENE | .1 | .9 | .8 | 1.3 | | | | | | | | 3.0 | 9.0 |
| E | .3 | .5 | 1.8 | 1.9 | | | | | | | | 4.4 | 9.6 |
| ESE | .3 | .3 | 1.5 | 1.0 | | | | | | | | 3.0 | 9.1 |
| SE | | .5 | 1.6 | 2.0 | .1 | | | | | | | 4.3 | 10.4 |
| SSE | .1 | .6 | 2.3 | 2.8 | .4 | | | | | | | 6.1 | 10.8 |
| S | .3 | 1.0 | 3.0 | 5.6 | 1.4 | .1 | | | | | | 11.4 | 11.9 |
| SSW | .1 | .4 | 1.6 | 2.8 | 2.3 | .4 | | | | | | 7.5 | 14.1 |
| SW | | .5 | 1.5 | 5.1 | 1.5 | .4 | | | | | | 9.0 | 13.8 |
| WSW | | .5 | 1.6 | 4.6 | 1.4 | .8 | .1 | | | | | 9.0 | 14.3 |
| W | | .9 | 2.8 | 4.3 | 1.8 | .1 | | | | | | 9.8 | 12.5 |
| WNW | | | 1.5 | 2.8 | .9 | .5 | | | | | | 5.6 | 13.4 |
| NW | | .4 | 1.9 | 2.0 | .6 | .4 | | | | | | 5.3 | 12.3 |
| NNW | | | 1.6 | 2.9 | .8 | | | | | | | 5.3 | 12.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .3 | |
| | 1.1 | 8.5 | 31.4 | 43.7 | 12.3 | 2.6 | .1 | | | | | 100.0 | 11.9 |

TOTAL NUMBER OF OBSERVATIONS 797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.1 | 3.2 | 3.0 | 1.0 | .3 | | | | | | 8.8 | 11.2 |
| NNE | | .5 | 1.1 | 1.9 | .4 | | | | | | | 3.9 | 11.2 |
| NE | | .9 | 1.3 | 1.0 | | | | | | | | 3.2 | 8.8 |
| ENE | .1 | 1.1 | 1.1 | .9 | .1 | | | | | | | 3.4 | 8.5 |
| E | | .4 | .8 | .4 | .1 | | | | | | | 1.7 | 9.2 |
| ESE | .3 | .3 | 1.7 | .4 | .4 | | | | | | | 2.9 | 9.6 |
| SE | .1 | .5 | 1.7 | 1.0 | .5 | | | | | | | 3.8 | 10.4 |
| SSE | .4 | .3 | .9 | 2.5 | .5 | | | | | | | 4.6 | 11.3 |
| S | .3 | 1.0 | 1.7 | 3.8 | .9 | .3 | .1 | | | | | 8.0 | 12.4 |
| SSW | .1 | .3 | 1.5 | 2.7 | 2.2 | .6 | | .1 | | | | 7.5 | 14.8 |
| SW | .1 | .3 | .8 | 5.0 | 2.8 | .8 | .1 | | | | | 9.8 | 15.5 |
| WSW | | .5 | 3.3 | 3.6 | 2.0 | 1.0 | .3 | | | | | 10.7 | 14.0 |
| W | .1 | 1.0 | 2.8 | 6.0 | 2.3 | .4 | | | | | | 12.6 | 12.8 |
| WNW | | .6 | 2.2 | 2.8 | .6 | .3 | .1 | | | | | 6.6 | 12.2 |
| NW | | .8 | 1.8 | 3.0 | .6 | .3 | | | | | | 6.5 | 12.3 |
| NNW | | .4 | 1.5 | 3.4 | .5 | .3 | | | | | | 6.1 | 12.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 1.7 | 9.9 | 27.2 | 41.4 | 15.0 | 4.1 | .6 | .1 | | | | 100.0 | 12.4 |

TOTAL NUMBER OF OBSERVATIONS 787

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 1.0 | 3.6 | 5.4 | 1.1 | .1 | | | | | | 11.3 | 11.6 |
| NNE | | .3 | 2.0 | 1.8 | .6 | | | | | | | 4.6 | 11.2 |
| NE | | .5 | 1.3 | 1.0 | .3 | | | | | | | 3.0 | 10.2 |
| ENE | | .4 | 2.0 | .4 | | | | | | | | 2.8 | 8.3 |
| E | | .4 | 1.9 | .5 | | | | | | | | 2.8 | 8.4 |
| ESE | .1 | .4 | .9 | .3 | .1 | | | | | | | 1.8 | 8.9 |
| SE | | .3 | .8 | 1.5 | .1 | | | | | | | 2.6 | 11.1 |
| SSE | .1 | .1 | 1.4 | 2.3 | .3 | .4 | | | | | | 4.5 | 12.1 |
| S | .4 | .8 | 1.6 | 5.1 | 1.5 | .4 | .4 | | | | | 10.1 | 13.7 |
| SSW | | .4 | .8 | 2.8 | 1.5 | .5 | .1 | | | | | 6.0 | 14.5 |
| SW | | .6 | 1.1 | 3.0 | 2.3 | 1.3 | | | | | | 8.3 | 15.3 |
| WSW | .3 | .4 | 2.3 | 4.0 | 1.8 | 1.0 | | | | | | 9.6 | 14.1 |
| W | | .5 | 2.6 | 7.0 | 1.9 | .9 | | | | | | 12.9 | 13.5 |
| WNW | .3 | 1.0 | 1.5 | 2.3 | .8 | .4 | .1 | | | | | 6.3 | 11.9 |
| NW | .3 | .9 | 2.1 | 3.3 | .5 | .3 | | | | | | 7.3 | 11.1 |
| NNW | .1 | | 1.4 | 3.8 | .5 | | | | | | | 5.8 | 12.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .5 | |
| | 1.5 | 7.8 | 27.2 | 44.2 | 13.1 | 5.1 | .6 | | | | | 100.0 | 12.5 |

TOTAL NUMBER OF OBSERVATIONS 799

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 1600-2000 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .3 | 1.4 | 6.4 | 3.2 | .4 | | | | | | | 11.6 | 9.7 |
| NNE | .3 | 1.9 | 4.1 | 1.4 | .1 | .1 | | | | | | 7.9 | 8.5 |
| NE | | 2.4 | 3.2 | .9 | .1 | | | | | | | 6.6 | 8.0 |
| ENE | | 1.1 | .9 | | | | | | | | | 2.0 | 6.1 |
| E | | 1.3 | 1.1 | .1 | | | | | | | | 2.5 | 7.1 |
| ESE | | .9 | 1.1 | .9 | | | | | | | | 2.9 | 8.9 |
| SE | | .6 | 1.1 | 1.1 | .1 | | | | | | | 3.0 | 10.0 |
| SSE | | .9 | 1.7 | .8 | .1 | | | | | | | 3.4 | 8.9 |
| S | | 1.4 | 3.4 | 3.7 | 1.0 | .3 | | | | | | 9.8 | 11.2 |
| SSW | | .8 | 1.5 | 2.3 | 1.5 | .5 | | | | | | 6.6 | 13.6 |
| SW | .3 | 1.5 | 1.3 | 3.0 | .9 | .1 | | | | | | 7.1 | 11.4 |
| WSW | | 1.7 | 2.7 | 3.8 | .9 | .3 | | | | | | 9.3 | 11.4 |
| W | .4 | 1.5 | 4.4 | 3.3 | 1.1 | .1 | | | | | | 10.9 | 10.8 |
| WNW | | .9 | 2.0 | 2.4 | 1.1 | | | | | | | 6.5 | 11.8 |
| NW | .4 | .6 | 1.8 | 1.3 | .8 | | | | | | | 4.8 | 10.5 |
| NNW | .3 | .8 | 1.7 | .8 | .1 | .3 | | | | | | 3.8 | 9.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 1.8 | 19.7 | 38.4 | 29.0 | 8.4 | 1.7 | | | | | | 100.0 | 10.2 |

TOTAL NUMBER OF OBSERVATIONS 787

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 2.3 | 3.1 | 1.3 | .3 | | | | | | | 6.9 | 8.4 |
| NNE | .1 | 1.1 | 2.9 | .6 | | | | | | | | 4.8 | 8.2 |
| NE | | 3.0 | 2.4 | .5 | | | | | | | | 5.9 | 7.1 |
| ENE | .1 | 2.3 | 2.5 | .3 | | | | | | | | 5.1 | 6.6 |
| E | .3 | 1.8 | 1.5 | .3 | | | | | | | | 3.8 | 6.6 |
| ESE | | 2.3 | 1.5 | .6 | .1 | | | | | | | 4.5 | 7.4 |
| SE | .1 | 2.1 | 1.9 | 1.1 | .3 | | | | | | | 5.5 | 8.4 |
| SSE | .1 | 2.8 | 3.8 | .8 | | | | | | | | 7.4 | 7.3 |
| S | .1 | 1.9 | 4.0 | 2.5 | .8 | | | | | | | 9.3 | 9.7 |
| SSW | | 1.8 | 2.6 | 2.1 | 1.0 | | | | | | | 7.5 | 10.7 |
| SW | | 2.5 | 1.9 | 3.5 | 1.5 | | | | | | | 9.4 | 11.5 |
| WSW | | 2.8 | 2.3 | 2.4 | .3 | | | | | | | 7.7 | 9.4 |
| W | | 1.3 | 3.1 | 3.1 | .9 | | .1 | | | | | 8.5 | 11.2 |
| WNW | | .4 | 1.8 | 1.6 | .4 | | | | | | | 4.1 | 11.3 |
| NW | | .8 | 1.0 | 1.8 | .1 | .1 | | | | | | 3.8 | 11.3 |
| NNW | | .9 | 2.1 | 1.0 | .1 | | | | | | | 4.1 | 9.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.6 | |
| | .9 | 29.7 | 38.4 | 23.5 | 5.6 | .1 | .1 | | | | | 100.0 | 9.1 |

TOTAL NUMBER OF OBSERVATIONS 797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.4 | 3.8 | 2.5 | .6 | .0 | | | | | | 8.3 | 10.0 |
| NNE | .2 | 1.1 | 2.1 | 1.1 | .2 | .0 | | | | | | 4.6 | 8.8 |
| NE | .1 | 1.3 | 1.6 | .7 | .1 | | | | | | | 3.7 | 8.2 |
| ENE | .1 | .9 | 1.5 | .5 | .1 | | | | | | | 3.1 | 8.1 |
| E | .1 | .8 | 1.5 | .6 | .1 | | | | | | | 3.0 | 8.4 |
| ESE | .1 | .9 | 1.4 | .6 | .1 | | | | | | | 3.1 | 8.5 |
| SE | .1 | 1.1 | 1.9 | 1.3 | .1 | | | | | | | 4.5 | 9.2 |
| SSE | .1 | 1.3 | 2.8 | 1.8 | .2 | .1 | | | | | | 6.3 | 9.3 |
| S | .2 | 1.9 | 3.8 | 4.4 | 1.0 | .1 | .1 | | | | | 11.4 | 10.9 |
| SSW | .1 | .9 | 2.0 | 2.8 | 1.4 | .3 | .0 | .0 | | | | 7.5 | 12.5 |
| SW | .1 | 1.2 | 1.8 | 3.7 | 1.5 | .4 | .0 | | | | | 8.7 | 12.7 |
| WSW | .1 | 1.1 | 2.4 | 3.6 | .9 | .4 | .0 | | | | | 8.5 | 12.2 |
| W | .1 | .9 | 3.7 | 4.2 | 1.2 | .3 | .0 | | | | | 10.4 | 11.8 |
| WNW | .1 | .7 | 1.9 | 2.1 | .6 | .2 | .0 | | | | | 5.5 | 11.5 |
| NW | .2 | .9 | 1.9 | 2.3 | .5 | .1 | .0 | | | | | 5.8 | 11.0 |
| NNW | .1 | .8 | 1.5 | 1.8 | .3 | .1 | | | | | | 4.5 | 10.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 1.5 | 17.2 | 35.6 | 33.7 | 8.7 | 1.9 | .2 | .0 | | | | 100.0 | 10.6 |

TOTAL NUMBER OF OBSERVATIONS 6394

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .5 | 2.8 | 3.0 | 1.0 | .4 | | | | | | | 7.6 | 7.8 |
| NNE | .2 | 1.7 | 2.4 | .1 | .1 | .1 | | | | | | 4.7 | 7.2 |
| NE | .1 | 2.3 | .5 | .2 | | | | | | | | 3.2 | 5.9 |
| ENE | .2 | 1.6 | .8 | .1 | | | | | | | | 2.8 | 6.0 |
| E | | 1.9 | 1.0 | .1 | | | | | | | | 3.0 | 6.1 |
| ESE | .2 | 2.4 | 2.4 | .2 | | | | | | | | 5.3 | 6.6 |
| SE | .2 | 3.0 | 2.8 | .5 | | | | | | | | 6.6 | 6.9 |
| SSE | .2 | 6.3 | 2.8 | 1.5 | .2 | | | | | | | 11.0 | 7.2 |
| S | .5 | 4.9 | 6.8 | 1.9 | | | | | | | | 14.1 | 7.6 |
| SSW | .1 | 3.5 | 2.8 | 2.2 | .4 | | | | | | | 9.0 | 8.7 |
| SW | .2 | 2.2 | 2.1 | 1.6 | | | | | | | | 6.1 | 8.3 |
| WSW | | 2.3 | 2.9 | 1.5 | .1 | | | | | | | 6.6 | 9.0 |
| W | | .8 | 4.0 | 1.3 | .1 | | | | | | | 6.3 | 9.4 |
| WNW | | .8 | 1.7 | .6 | | | | | | | | 3.2 | 8.7 |
| NW | | 1.6 | 1.6 | .5 | | | | | | | | 3.6 | 7.5 |
| NNW | .1 | 2.1 | .6 | .1 | | | | | | | | 2.9 | 6.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.0 | |
| | 2.8 | 40.0 | 38.2 | 13.5 | 1.3 | .1 | | | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS 824

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725296 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .4 | 3.4 | 2.2 | 1.5 | .1 | | | | | | | 7.5 | 7.6 |
| NNE | | 2.2 | 1.2 | .2 | .2 | | | | | | | 3.9 | 7.2 |
| NE | .2 | 1.8 | 1.0 | .2 | | | | | | | | 3.3 | 6.4 |
| ENE | .1 | .8 | .4 | .2 | | | | | | | | 1.6 | 6.4 |
| E | .1 | 1.1 | 1.3 | .1 | | | | | | | | 2.7 | 7.1 |
| ESE | | 2.1 | 1.6 | | | | | | | | | 3.6 | 6.4 |
| SE | .1 | 3.3 | 3.4 | .6 | .1 | | | | | | | 7.5 | 7.2 |
| SSE | .1 | 3.6 | 5.0 | 1.2 | .1 | | | | | | | 10.0 | 7.7 |
| S | .7 | 6.4 | 7.0 | 2.2 | .4 | | | | | | | 16.7 | 7.6 |
| SSW | .2 | 2.1 | 2.7 | 1.6 | .2 | | | | | | | 6.8 | 8.6 |
| SW | .1 | 1.7 | 4.1 | 2.3 | .2 | | | | | | | 8.5 | 9.4 |
| WSW | | 1.8 | 3.3 | 1.7 | | | | | | | | 6.8 | 9.0 |
| W | .1 | 2.1 | 4.4 | 1.0 | .1 | | | | | | | 7.6 | 8.2 |
| WNW | .1 | 2.1 | 1.9 | 1.0 | .1 | | | | | | | 5.2 | 8.1 |
| NW | .1 | 1.3 | 1.1 | .8 | | | | | | | | 3.4 | 7.7 |
| NNW | | 1.0 | 1.0 | | | | | | | | | 1.9 | 7.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.0 | |
| | 2.5 | 36.7 | 41.4 | 19.6 | 1.7 | | | | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS 826

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .2 | 1.8 | 3.2 | 1.9 | .2 | | | | | | | 7.4 | 9.2 |
| NNE | .1 | 1.2 | 2.3 | .5 | .1 | | | | | | | 4.3 | 7.7 |
| NE | .4 | 1.1 | 1.7 | | | | | | | | | 3.2 | 6.3 |
| ENE | | .6 | 1.0 | .6 | | | | | | | | 2.2 | 8.5 |
| E | .1 | .4 | 1.7 | .4 | | | | | | | | 2.6 | 8.0 |
| ESE | .2 | .4 | 2.6 | .6 | | | | | | | | 3.8 | 8.1 |
| SE | | 1.8 | 3.0 | 1.9 | | | | | | | | 6.8 | 8.6 |
| SSE | .2 | 1.5 | 4.0 | 1.1 | .2 | | | | | | | 7.0 | 8.3 |
| S | .6 | 3.6 | 7.4 | 3.3 | .6 | | | | | | | 15.6 | 8.7 |
| SSW | .2 | 1.9 | 3.3 | 2.2 | .6 | | | | | | | 8.3 | 9.6 |
| SW | .1 | 1.2 | 2.9 | 2.1 | .6 | | | | | | | 6.9 | 10.0 |
| WSW | .1 | 1.9 | 3.3 | 2.3 | .1 | | | | | | | 7.8 | 8.9 |
| W | .4 | 2.3 | 3.6 | 3.4 | .3 | | | | | | | 10.2 | 9.3 |
| WNW | | 1.2 | 1.7 | 1.6 | | | | | | | | 4.5 | 9.3 |
| NW | .2 | .5 | 2.2 | .6 | | | | | | | | 3.5 | 8.2 |
| NNW | | 1.8 | 1.1 | .7 | .1 | | | | | | | 3.8 | 7.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.3 | |
| | 3.0 | 23.3 | 45.0 | 23.2 | 3.2 | | | | | | | 100.0 | 8.6 |

TOTAL NUMBER OF OBSERVATIONS 823

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .4 | 1.2 | 3.7 | 2.7 | .5 | | | | | | | 8.4 | 10.1 |
| NNE | .1 | .4 | 2.0 | 1.0 | .1 | | | | | | | 3.5 | 9.4 |
| NE | .1 | .5 | 2.2 | 1.2 | | | | | | | | 4.0 | 9.3 |
| ENE | | .1 | 1.3 | .6 | | | | | | | | 2.1 | 8.9 |
| E | .4 | 1.2 | 1.8 | 1.5 | .1 | | | | | | | 5.0 | 8.4 |
| ESE | | .5 | 1.7 | 1.7 | | | | | | | | 3.9 | 10.1 |
| SE | | 1.1 | 2.1 | 2.6 | | | | | | | | 5.7 | 9.8 |
| SSE | .1 | .5 | 1.2 | 1.7 | .1 | | | | | | | 3.7 | 10.5 |
| S | | 1.0 | 4.0 | 3.8 | .9 | .1 | | | | | | 9.8 | 10.9 |
| SSW | .2 | .9 | 2.6 | 4.3 | .6 | .1 | | | | | | 8.7 | 11.2 |
| SW | .1 | .9 | 2.3 | 4.9 | .5 | .1 | | | | | | 8.8 | 11.5 |
| WSW | .1 | .9 | 2.7 | 4.2 | .9 | | | | | | | 8.7 | 11.7 |
| W | .2 | 1.0 | 3.3 | 4.0 | .2 | | | | | | | 8.8 | 10.4 |
| WNW | .2 | 1.1 | 2.4 | 2.6 | .1 | | | | | | | 6.5 | 9.5 |
| NW | .2 | 1.2 | 2.2 | 2.7 | .1 | | | | | | | 6.5 | 9.8 |
| NNW | .4 | .9 | 1.6 | 2.0 | .1 | | | | | | | 4.9 | 9.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 2.7 | 13.2 | 37.2 | 41.3 | 4.3 | .4 | | | | | | 100.0 | 10.2 |

TOTAL NUMBER OF OBSERVATIONS 818

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .5 | 1.5 | 3.8 | 4.4 | .9 | | | | | | | 11.0 | 10.4 |
| NNE | .2 | .6 | 1.2 | 1.5 | .2 | | | | | | | 3.8 | 10.0 |
| NE | .1 | .7 | 1.7 | 1.1 | | | | | | | | 3.7 | 8.6 |
| ENE | | 1.1 | 1.0 | .6 | .1 | | | | | | | 2.8 | 8.6 |
| E | .4 | 1.6 | 1.3 | 1.8 | | | | | | | | 5.1 | 8.8 |
| ESE | .1 | .4 | 1.5 | .9 | .1 | | | | | | | 2.9 | 9.3 |
| SE | | .5 | 2.3 | 2.0 | .1 | | | | | | | 4.9 | 10.3 |
| SSE | | .5 | 1.1 | 1.6 | .2 | | | | | | | 3.4 | 10.5 |
| S | .2 | .7 | 2.8 | 3.9 | 1.0 | .1 | .1 | | | | | 8.9 | 12.1 |
| SSW | .1 | .5 | 1.2 | 5.1 | 1.1 | .7 | | | | | | 8.8 | 13.7 |
| SW | | .2 | 1.6 | 3.9 | .7 | .1 | | | | | | 6.6 | 12.5 |
| WSW | | 1.2 | 1.3 | 3.5 | 1.5 | | | | | | | 7.6 | 12.2 |
| W | .1 | 1.7 | 3.4 | 5.1 | .5 | | | | | | | 10.9 | 10.7 |
| WNW | .1 | 1.3 | 2.6 | 3.3 | .2 | | | | | | | 7.6 | 9.9 |
| NW | .1 | 1.0 | 2.6 | 3.2 | .6 | | | | | | | 7.4 | 10.7 |
| NNW | .2 | .7 | 1.8 | 1.2 | | | | | | | | 4.0 | 9.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .7 | |
| | 2.3 | 18.3 | 31.2 | 43.0 | 7.3 | 1.0 | .1 | | | | | 100.0 | 10.8 |

TOTAL NUMBER OF OBSERVATIONS 820

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.8 | 5.5 | 5.4 | .5 | .1 | | | | | | 13.4 | 10.4 |
| NNE | | .4 | 2.8 | 1.9 | .2 | | | | | | | 5.4 | 10.3 |
| NE | .1 | .7 | 1.8 | 1.2 | | | | | | | | 3.9 | 9.1 |
| ENE | | 1.0 | 1.6 | .5 | .1 | | | | | | | 3.2 | 8.4 |
| E | | 1.2 | 1.8 | 1.0 | | | | | | | | 4.0 | 8.4 |
| ESE | | .7 | 1.3 | 1.3 | | | | | | | | 3.4 | 9.4 |
| SE | | .9 | 1.6 | 1.5 | .2 | | | | | | | 4.1 | 10.0 |
| SSE | .1 | 1.0 | 1.1 | 1.2 | | | | | | | | 3.4 | 8.5 |
| S | .1 | 1.0 | 1.8 | 4.8 | 1.3 | .6 | | | | | | 9.6 | 13.2 |
| SSW | | .1 | 1.6 | 3.0 | 1.3 | .2 | | | | | | 6.3 | 13.4 |
| SW | | .4 | 2.9 | 3.5 | .4 | .1 | | | | | | 7.3 | 11.6 |
| WSW | | 1.2 | 3.4 | 1.7 | 1.0 | .1 | | | | | | 7.4 | 11.0 |
| W | .1 | .7 | 1.9 | 4.3 | .6 | .2 | | | | | | 7.9 | 11.8 |
| WNW | | 1.0 | 2.2 | 3.8 | .2 | .1 | | | | | | 7.3 | 11.1 |
| NW | | 1.3 | 2.9 | 2.3 | .6 | | | | | | | 7.2 | 10.1 |
| NNW | | .9 | 3.0 | 1.6 | .1 | | | | | | | 5.6 | 9.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .5 | |
| | .6 | 14.3 | 37.9 | 39.0 | 6.7 | 1.6 | | | | | | 100.0 | 10.7 |

TOTAL NUMBER OF OBSERVATIONS 821

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .2 | 3.2 | 5.2 | 2.7 | | | | | | | | 11.3 | 8.6 |
| NNE | .1 | 3.9 | 5.3 | 2.1 | | | | | | | | 11.4 | 8.2 |
| NE | .1 | 2.3 | 2.7 | 1.1 | | | | | | | | 6.3 | 7.8 |
| ENE | .1 | 1.1 | .9 | | | | | | | | | 2.1 | 6.4 |
| E | | 2.1 | 1.8 | 1.0 | | | | | | | | 4.9 | 8.2 |
| ESE | | 1.3 | 1.1 | .4 | | | | | | | | 2.8 | 7.9 |
| SE | .1 | 1.7 | 2.0 | .9 | | | | | | | | 4.7 | 7.8 |
| SSE | .1 | 2.1 | 2.2 | .9 | .2 | | | | | | | 5.5 | 8.1 |
| S | .1 | 1.6 | 2.9 | 2.3 | .5 | | | | | | | 7.5 | 9.9 |
| SSW | .1 | 1.5 | 2.7 | 1.8 | .7 | | | | | | | 6.9 | 10.2 |
| SW | .1 | 1.5 | 2.8 | 1.3 | | | | | | | | 5.8 | 8.9 |
| WSW | .4 | 2.2 | 2.5 | 1.7 | .2 | | | | | | | 7.0 | 8.6 |
| W | .1 | 2.0 | 2.7 | 2.3 | .1 | | | | | | | 7.2 | 9.4 |
| WNW | | 1.6 | 2.5 | 1.5 | .1 | | | | | | | 5.6 | 9.2 |
| NW | | 1.6 | 2.8 | 1.3 | | | | | | | | 5.8 | 8.7 |
| NNW | | 1.5 | 1.7 | 1.1 | .1 | | | | | | | 4.4 | 8.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .9 | |
| | 1.7 | 31.2 | 41.7 | 22.5 | 2.1 | | | | | | | 100.0 | 8.6 |

TOTAL NUMBER OF OBSERVATIONS 815

USAFETAC FORM JUL 66 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .2 | 3.8 | 3.6 | 1.0 | | | | | | | | 8.6 | 7.5 |
| NNE | .5 | 4.8 | 2.1 | .6 | | | | | | | | 8.0 | 6.3 |
| NE | .2 | 4.0 | 2.0 | .2 | | | | | | | | 6.5 | 6.2 |
| ENE | .4 | 3.3 | 1.7 | .2 | | | | | | | | 5.6 | 6.0 |
| E | .2 | 2.2 | 2.0 | | | | | | | | | 4.4 | 6.6 |
| ESE | .1 | 2.2 | 1.8 | .2 | | | | | | | | 4.4 | 6.6 |
| SE | | 2.6 | 2.7 | .2 | | | | | | | | 5.5 | 6.9 |
| SSE | .4 | 3.3 | 4.0 | .7 | .4 | | | | | | | 8.8 | 7.8 |
| S | .4 | 4.9 | 5.3 | 1.5 | .4 | | | | | | | 12.4 | 7.8 |
| SSW | .1 | 2.6 | 2.6 | 1.5 | | | | | | | | 6.7 | 8.4 |
| SW | .1 | 2.5 | 1.7 | .6 | .2 | | | | | | | 5.1 | 8.0 |
| WSW | .2 | 1.5 | 2.5 | 1.6 | | | | | | | | 5.8 | 8.3 |
| W | .1 | 1.5 | 3.7 | .6 | | | | | | | | 5.9 | 8.0 |
| WNW | | 1.2 | 1.5 | .2 | .1 | | | | | | | 3.1 | 7.9 |
| NW | .2 | 1.5 | 1.3 | .4 | .1 | | | | | | | 3.6 | 7.2 |
| NNW | | 1.2 | .7 | .2 | .1 | | | | | | | 2.3 | 8.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.3 | |
| | 3.3 | 43.0 | 39.1 | 9.9 | 1.3 | | | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .3 | 2.4 | 3.7 | 2.6 | .3 | .0 | | | | | | 9.4 | 9.1 |
| NNE | .2 | 1.9 | 2.4 | 1.0 | .1 | .0 | | | | | | 5.6 | 8.1 |
| NE | .2 | 1.7 | 1.7 | .7 | | | | | | | | 4.2 | 7.4 |
| ENE | .1 | 1.2 | 1.1 | .4 | .0 | | | | | | | 2.8 | 7.3 |
| E | .2 | 1.5 | 1.6 | .7 | .0 | | | | | | | 4.0 | 7.8 |
| ESE | .1 | 1.2 | 1.8 | .7 | .0 | | | | | | | 3.8 | 7.9 |
| SE | .1 | 1.9 | 2.5 | 1.3 | .1 | | | | | | | 5.7 | 8.3 |
| SSE | .2 | 2.3 | 2.7 | 1.2 | .2 | | | | | | | 6.6 | 8.2 |
| S | .3 | 3.0 | 4.8 | 3.0 | .6 | .1 | .0 | | | | | 11.8 | 9.3 |
| SSW | .2 | 1.6 | 2.4 | 2.7 | .6 | .1 | | | | | | 7.7 | 10.5 |
| SW | .1 | 1.3 | 2.6 | 2.5 | .3 | .0 | | | | | | 6.9 | 10.2 |
| WSW | .1 | 1.6 | 2.7 | 2.3 | .5 | .0 | | | | | | 7.2 | 9.9 |
| W | .2 | 1.5 | 3.4 | 2.8 | .3 | .0 | | | | | | 8.1 | 9.8 |
| WNW | .1 | 1.3 | 2.1 | 1.8 | .1 | .0 | | | | | | 5.4 | 9.4 |
| NW | .1 | 1.2 | 2.1 | 1.5 | .2 | | | | | | | 5.1 | 9.1 |
| NNW | .1 | 1.2 | 1.4 | .9 | .1 | | | | | | | 3.7 | 8.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.0 | |
| | 2.4 | 27.0 | 38.9 | 25.9 | 3.5 | .4 | .0 | | | | | 100.0 | 8.9 |

TOTAL NUMBER OF OBSERVATIONS 6563

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 2.0 | 1.1 | .1 | | | | | | | | 3.4 | 6.3 |
| NNE | .1 | 2.3 | 1.3 | .1 | .1 | | | | | | | 3.9 | 6.4 |
| NE | .1 | 1.4 | .5 | | | | | | | | | 2.0 | 5.6 |
| ENE | .3 | 2.3 | .4 | .1 | | | | | | | | 3.0 | 5.3 |
| E | .3 | 1.1 | .6 | | | | | | | | | 2.0 | 5.6 |
| ESE | .1 | .9 | .1 | | | | | | | | | 1.1 | 5.1 |
| SE | .3 | 2.5 | 1.6 | | | | | | | | | 4.4 | 6.1 |
| SSE | .5 | 4.3 | 4.4 | .4 | | | | | | | | 9.6 | 6.6 |
| S | .1 | 8.8 | 10.1 | 3.0 | | | | | | | | 22.0 | 7.5 |
| SSW | .1 | 5.7 | 6.7 | 2.3 | .4 | | | | | | | 15.1 | 8.3 |
| SW | .1 | 4.5 | 4.4 | 2.3 | .6 | | | | | | | 11.9 | 8.5 |
| WSW | | 2.0 | 1.9 | .9 | | | | | | | | 4.8 | 7.8 |
| W | .1 | 1.8 | 1.3 | .9 | .3 | | | | | | | 4.3 | 8.1 |
| WNW | | .8 | 1.3 | .3 | | | | | | | | 2.3 | 7.6 |
| NW | .1 | 2.1 | 1.4 | .6 | .3 | | | | | | | 4.5 | 7.4 |
| NNW | | .9 | .8 | | | | | | | | | 1.6 | 6.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.0 | |
| | 2.4 | 43.3 | 37.7 | 10.9 | 1.6 | | | | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS 795

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 2.5 | 2.0 | .4 | | | | | | | | 5.0 | 6.8 |
| NNE | .5 | 1.5 | .4 | .2 | | | | | | | | 2.6 | 5.4 |
| NE | .2 | 1.5 | .2 | | | | | | | | | 2.0 | 4.7 |
| ENE | .1 | 1.0 | .2 | | | | | | | | | 1.4 | 5.0 |
| E | | .7 | .7 | .1 | | | | | | | | 1.6 | 7.4 |
| ESE | .1 | .7 | .4 | | | | | | | | | 1.2 | 5.6 |
| SE | .2 | 2.6 | 1.6 | .2 | | | | | | | | 4.7 | 6.4 |
| SSE | .2 | 5.1 | 5.0 | 1.1 | .1 | | | | | | | 11.6 | 7.3 |
| S | .4 | 9.7 | 10.0 | .6 | .1 | | | | | | | 20.8 | 7.0 |
| SSW | .1 | 3.9 | 5.5 | 2.2 | .2 | | | | | | | 12.0 | 8.4 |
| SW | .5 | 4.4 | 4.6 | 2.2 | | .1 | | | | | | 11.9 | 8.1 |
| WSW | .2 | 2.2 | 3.1 | 1.5 | | | | | | | | 7.1 | 8.1 |
| W | | 2.2 | 2.1 | .7 | .1 | | | | | | | 5.2 | 7.9 |
| WNW | .2 | .5 | 1.4 | .4 | | | | | | | | 2.5 | 7.7 |
| NW | | 1.9 | 1.1 | .9 | .2 | | | | | | | 4.1 | 8.3 |
| NNW | | 1.1 | 1.4 | .1 | | | | | | | | 2.6 | 7.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.5 | |
| | 3.1 | 41.7 | 39.8 | 10.9 | .9 | .1 | | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 801

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .3 | 2.0 | 1.5 | .9 | | | | | | | | 4.7 | 7.5 |
| NNE | .3 | 1.5 | 1.0 | .1 | | | | | | | | 2.9 | 6.3 |
| NE | | 1.3 | 1.0 | .1 | | | | | | | | 2.4 | 6.4 |
| ENE | .1 | 1.0 | .5 | | | | | | | | | 1.6 | 5.8 |
| E | | .4 | 1.3 | .6 | | | | | | | | 2.3 | 8.4 |
| ESE | | .3 | .8 | .3 | | | | | | | | 1.3 | 8.1 |
| SE | | 1.4 | 1.4 | .3 | | | | | | | | 3.0 | 6.8 |
| SSE | .1 | 2.3 | 5.6 | 2.1 | | | | | | | | 10.1 | 8.5 |
| S | 1.0 | 6.7 | 9.7 | 3.8 | .1 | | | | | | | 21.4 | 7.8 |
| SSW | .3 | 3.4 | 5.1 | 2.3 | .6 | | | | | | | 11.6 | 8.8 |
| SW | .1 | 1.9 | 4.4 | 2.8 | .1 | | | | | | | 9.4 | 9.1 |
| WSW | .5 | 1.9 | 3.0 | 2.9 | .4 | | | | | | | 8.7 | 9.1 |
| W | .1 | 1.4 | 3.4 | 2.4 | .1 | | | | | | | 7.5 | 9.4 |
| WNW | .3 | 1.1 | 1.9 | .3 | | | | | | | | 3.5 | 6.9 |
| NW | .3 | .9 | 1.5 | 1.1 | | | | | | | | 3.8 | 8.8 |
| NNW | | .8 | 1.6 | .6 | | .1 | | | | | | 3.2 | 8.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.7 | |
| | 3.3 | 28.2 | 43.7 | 20.6 | 1.4 | .1 | | | | | | 100.0 | 8.0 |

TOTAL NUMBER OF OBSERVATIONS 791

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.1 | 2.4 | .4 | .1 | | | | | | | 4.2 | 8.2 |
| NNE | .3 | 1.3 | 2.1 | .8 | | | | | | | | 4.4 | 7.8 |
| NE | .3 | 1.3 | 1.6 | 1.0 | | | | | | | | 4.2 | 8.1 |
| ENE | | .4 | 1.0 | .4 | | | | | | | | 1.8 | 8.6 |
| E | | .6 | 1.1 | .3 | | | | | | | | 2.0 | 8.3 |
| ESE | | .4 | 1.0 | .5 | | | | | | | | 1.9 | 8.8 |
| SE | .1 | .3 | 1.6 | .5 | .1 | | | | | | | 2.6 | 8.9 |
| SSE | | 1.1 | 3.4 | 2.5 | .1 | | | | | | | 7.2 | 9.6 |
| S | .3 | 1.4 | 4.0 | 5.3 | .9 | | | | | | | 11.8 | 10.8 |
| SSW | .1 | .4 | 3.5 | 4.7 | 1.0 | | | | | | | 9.7 | 11.4 |
| SW | | .5 | 4.0 | 3.6 | .5 | | | | | | | 8.7 | 11.0 |
| WSW | | 1.0 | 4.7 | 5.2 | .4 | | | | | | | 11.2 | 10.4 |
| W | .4 | 2.0 | 3.6 | 4.4 | .6 | | | | | | | 11.1 | 10.0 |
| WNW | .3 | 1.9 | 3.9 | 1.3 | .1 | | | | | | | 7.4 | 8.1 |
| NW | | 1.3 | 2.5 | 2.8 | .1 | | | | | | | 6.7 | 9.8 |
| NNW | .3 | .4 | 2.0 | 1.0 | .4 | | | | | | | 4.0 | 10.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.3 | |
| | 2.0 | 15.2 | 42.6 | 34.5 | 4.4 | | | | | | | 100.0 | 9.7 |

TOTAL NUMBER OF OBSERVATIONS 795

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.4 | 3.8 | 3.0 | .3 | | | | | | | 8.6 | 9.7 |
| NNE | .1 | .6 | 1.9 | .9 | .3 | | | | | | | 3.8 | 9.0 |
| NE | | .6 | 1.0 | .9 | .1 | | | | | | | 2.6 | 9.9 |
| ENE | .3 | .4 | .4 | .4 | | | | | | | | 1.4 | 7.2 |
| E | .1 | .5 | 1.0 | .4 | .1 | | | | | | | 2.1 | 8.1 |
| ESE | | .4 | .6 | .9 | | | | | | | | 1.9 | 9.8 |
| SE | .1 | .5 | 1.3 | .9 | | | | | | | | 2.8 | 9.2 |
| SSE | | .9 | 1.9 | 2.0 | | | | | | | | 4.8 | 10.1 |
| S | | .9 | 3.0 | 5.4 | 1.1 | .3 | | | | | | 10.7 | 12.1 |
| SSW | .1 | .9 | 4.2 | 6.2 | 1.3 | | | | | | | 12.6 | 11.6 |
| SW | .1 | 1.0 | 3.3 | 5.4 | 2.3 | | | | | | | 12.1 | 12.0 |
| WSW | | .6 | 3.0 | 4.5 | .5 | | | | | | | 8.7 | 11.4 |
| W | .2 | 1.6 | 3.5 | 3.9 | .9 | | | | | | | 10.1 | 10.7 |
| WNW | .3 | .8 | 3.4 | 2.6 | .1 | | | | | | | 7.2 | 9.8 |
| NW | | 1.1 | 2.3 | 1.8 | .1 | | | | | | | 5.3 | 9.5 |
| NNW | .1 | .4 | 2.5 | 1.6 | .4 | | | | | | | 5.0 | 10.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .5 | |
| | 1.5 | 12.6 | 37.0 | 40.8 | 7.4 | .3 | | | | | | 100.0 | 10.6 |

TOTAL NUMBER OF OBSERVATIONS 795

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.5 | 4.0 | 3.9 | .8 | | | | | | | 10.3 | 10.4 |
| NNE | | .5 | 2.9 | 1.3 | | | | | | | | 4.7 | 9.1 |
| NE | .1 | .8 | 1.8 | .6 | | | | | | | | 3.3 | 8.5 |
| ENE | .3 | .5 | 1.0 | .6 | | | | | | | | 2.4 | 7.9 |
| E | .3 | .5 | 1.1 | .4 | | | | | | | | 2.3 | 7.4 |
| ESE | .1 | 1.0 | .8 | .1 | | | | | | | | 2.0 | 7.1 |
| SE | | .4 | 1.8 | .8 | | | | | | | | 2.9 | 9.4 |
| SSE | .1 | .5 | 1.0 | 2.9 | .1 | | | | | | | 4.7 | 11.1 |
| S | | .9 | 3.5 | 5.7 | .9 | | | | | | | 11.0 | 11.7 |
| SSW | .1 | .9 | 4.2 | 5.0 | 1.4 | | | | | | | 11.6 | 11.4 |
| SW | | 1.0 | 3.9 | 5.2 | .5 | | | | | | | 10.6 | 11.2 |
| WSW | .3 | 1.0 | 2.8 | 3.7 | 1.1 | | | | | | | 8.8 | 11.2 |
| W | .5 | 1.3 | 4.0 | 3.2 | .3 | | | | | | | 9.2 | 9.6 |
| WNW | .1 | 1.4 | 2.3 | 2.8 | .1 | .3 | | | | | | 6.9 | 10.0 |
| NW | .3 | .5 | 2.1 | 1.1 | .5 | | | | | | | 4.5 | 9.9 |
| NNW | .1 | .5 | 2.5 | 1.1 | .3 | | | | | | | 4.5 | 9.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .3 | |
| | 2.4 | 13.1 | 39.7 | 38.3 | 5.9 | .3 | | | | | | 100.0 | 10.3 |

TOTAL NUMBER OF OBSERVATIONS 793

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .3 | 3.5 | 6.2 | 1.8 | .3 | | | | | | | 12.0 | 8.1 |
| NNE | | 2.6 | 3.7 | 1.1 | | | | | | | | 7.4 | 7.8 |
| NE | | 2.5 | 1.9 | .1 | | | | | | | | 4.5 | 6.6 |
| ENE | | .6 | .4 | .1 | | | | | | | | 1.1 | 7.2 |
| E | | 1.1 | 1.0 | | | | | | | | | 2.1 | 6.8 |
| ESE | .3 | .6 | .4 | | | | | | | | | 1.3 | 5.3 |
| SE | .3 | 2.4 | 1.5 | .1 | | | | | | | | 4.3 | 6.4 |
| SSE | | .9 | 4.3 | .5 | .1 | | | | | | | 5.8 | 8.5 |
| S | | 1.4 | 6.4 | 3.9 | .1 | .3 | | | | | | 12.1 | 10.3 |
| SSW | | 1.1 | 6.7 | 3.5 | .3 | | | | | | | 11.6 | 9.8 |
| SW | .3 | 3.7 | 3.5 | 1.9 | .3 | .1 | | | | | | 9.7 | 8.5 |
| WSW | .1 | 2.0 | 2.4 | 1.5 | .3 | | | | | | | 6.3 | 8.8 |
| W | | 2.4 | 2.0 | 1.9 | .3 | | | | | | | 6.5 | 8.9 |
| WNW | .3 | 1.5 | 2.5 | .9 | .1 | | | | | | | 5.3 | 8.2 |
| NW | .1 | 1.4 | 2.8 | 1.5 | .3 | | | | | | | 6.0 | 9.0 |
| NNW | .3 | .8 | 1.4 | .3 | | | | | | | | 2.6 | 7.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.3 | |
| | 1.8 | 28.6 | 47.0 | 19.1 | 1.9 | .8 | | | | | | 100.0 | 8.4 |

TOTAL NUMBER OF OBSERVATIONS 794

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .3 | 2.5 | 2.6 | .3 | | | | | | | | 5.6 | 6.9 |
| NNE | .5 | 3.4 | 1.5 | .4 | | | | | | | | 5.8 | 6.2 |
| NE | .1 | 3.6 | .9 | .1 | | | | | | | | 4.8 | 5.7 |
| ENE | .3 | 2.6 | .8 | | | | | | | | | 3.6 | 5.6 |
| E | .1 | .9 | .4 | | | | | | | | | 1.4 | 5.5 |
| ESE | .5 | 2.8 | .3 | | | | | | | | | 3.5 | 4.9 |
| SE | .3 | 2.5 | 1.0 | | | | | | | | | 3.8 | 5.8 |
| SSE | | 6.1 | 4.0 | 1.0 | | | | | | | | 11.1 | 7.0 |
| S | .3 | 6.4 | 8.5 | 2.5 | .6 | | | | | | | 18.3 | 8.3 |
| SSW | .4 | 3.9 | 4.9 | 2.5 | | | | | | | | 11.6 | 8.3 |
| SW | .1 | 4.3 | 2.4 | 2.0 | .1 | .1 | | | | | | 9.0 | 8.3 |
| WSW | .5 | 3.3 | 1.0 | .8 | .4 | .1 | | | | | | 6.0 | 7.8 |
| W | .3 | 2.4 | 1.5 | .6 | .3 | | | | | | | 5.0 | 7.7 |
| WNW | | .4 | 1.8 | .4 | | | | | | | | 2.5 | 8.5 |
| NW | .1 | .8 | 1.5 | .9 | | | | | | | | 3.3 | 8.8 |
| NNW | .1 | .5 | .1 | .3 | | | | | | | | 1.0 | 7.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.8 | |
| | 3.8 | 46.2 | 33.0 | 11.4 | 1.4 | .3 | | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 799

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .2 | 2.1 | 3.0 | 1.3 | .2 | | | | | | | 6.7 | 8.4 |
| NNE | .2 | 1.7 | 1.8 | .6 | .0 | | | | | | | 4.4 | 7.4 |
| NE | .1 | 1.6 | 1.1 | .4 | .0 | | | | | | | 3.2 | 7.0 |
| ENE | .2 | 1.1 | .6 | .2 | | | | | | | | 2.0 | 6.4 |
| E | .1 | .7 | .9 | .2 | .0 | | | | | | | 2.0 | 7.3 |
| ESE | .1 | .9 | .5 | .2 | | | | | | | | 1.8 | 6.8 |
| SE | .2 | 1.6 | 1.5 | .3 | .0 | | | | | | | 3.6 | 7.1 |
| SSE | .1 | 2.7 | 3.7 | 1.6 | .1 | | | | | | | 8.1 | 8.2 |
| S | .3 | 4.5 | 6.9 | 3.8 | .5 | .1 | | | | | | 16.0 | 8.9 |
| SSW | .2 | 2.5 | 5.1 | 3.6 | .6 | | | | | | | 12.0 | 9.7 |
| SW | .2 | 2.7 | 3.8 | 3.2 | .6 | .0 | | | | | | 10.4 | 9.6 |
| WSW | .2 | 1.8 | 2.7 | 2.6 | .4 | .0 | | | | | | 7.7 | 9.6 |
| W | .2 | 1.9 | 2.7 | 2.2 | .3 | | | | | | | 7.4 | 9.3 |
| WNW | .2 | 1.0 | 2.3 | 1.1 | .1 | .0 | | | | | | 4.7 | 8.6 |
| NW | .1 | 1.2 | 1.9 | 1.3 | .2 | | | | | | | 4.8 | 9.0 |
| NNW | .1 | .7 | 1.5 | .6 | .1 | .0 | | | | | | 3.1 | 8.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.2 | |
| | 2.5 | 28.6 | 40.1 | 23.3 | 3.1 | .2 | | | | | | 100.0 | 8.5 |

TOTAL NUMBER OF OBSERVATIONS 6363

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .5 | 2.2 | 1.3 | .5 | | | | | | | | 4.5 | 6.3 |
| NNE | .5 | 1.1 | .4 | .1 | | | | | | | | 2.1 | 5.5 |
| NE | .6 | 2.6 | .1 | | | | | | | | | 3.3 | 4.7 |
| ENE | .6 | 1.7 | .2 | | | | | | | | | 2.6 | 4.5 |
| E | .4 | 1.2 | 1.6 | | | | | | | | | 3.2 | 6.2 |
| ESE | .1 | 1.8 | .7 | | | | | | | | | 2.7 | 5.6 |
| SE | .5 | 3.6 | .4 | | | | | | | | | 4.4 | 5.0 |
| SSE | .6 | 5.3 | 2.9 | .1 | | | | | | | | 8.9 | 5.8 |
| S | 1.5 | 8.9 | 8.1 | .5 | | | | | | | | 19.0 | 6.5 |
| SSW | .7 | 5.0 | 5.5 | 1.8 | .2 | | | | | | | 13.4 | 7.6 |
| SW | .1 | 3.8 | 3.8 | 1.7 | .1 | | | | | | | 9.6 | 8.2 |
| WSW | .1 | 3.9 | 3.1 | 1.6 | | | | | | | | 8.7 | 7.8 |
| W | .1 | 1.2 | 2.7 | .4 | | | | | | | | 4.4 | 7.7 |
| WNW | .1 | .7 | 1.5 | .4 | | | | | | | | 2.7 | 7.7 |
| NW | | 1.8 | .9 | .1 | | | | | | | | 2.8 | 6.7 |
| NNW | .1 | 1.0 | .6 | | | | | | | | | 1.7 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.0 | |
| | 6.6 | 46.0 | 33.8 | 7.2 | .4 | | | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS 816

USAFETAC FORM AUG 68 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .9 | 1.7 | 1.0 | .5 | | | | | | | | 4.0 | 6.3 |
| NNE | .4 | 2.0 | .9 | .1 | | | | | | | | 3.3 | 5.5 |
| NE | | 1.3 | .6 | .1 | | | | | | | | 2.1 | 6.2 |
| ENE | .2 | 1.1 | .6 | | | | | | | | | 2.0 | 5.6 |
| E | .1 | 1.2 | .5 | | | | | | | | | 1.8 | 5.4 |
| ESE | .2 | 1.5 | .7 | | | | | | | | | 2.5 | 5.8 |
| SE | .2 | 1.8 | .9 | | | | | | | | | 2.9 | 5.7 |
| SSE | .4 | 5.6 | 2.1 | .1 | | | | | | | | 8.2 | 5.7 |
| S | 1.7 | 11.8 | 6.6 | .7 | | | | | | | | 20.8 | 6.1 |
| SSW | .2 | 5.1 | 5.5 | 1.6 | | | | | | | | 12.5 | 7.5 |
| SW | .4 | 3.6 | 3.2 | 1.7 | .1 | | | | | | | 8.9 | 7.7 |
| WSW | | 2.2 | 5.8 | 1.2 | | | | | | | | 9.2 | 8.2 |
| W | .4 | 1.5 | 3.3 | .9 | | | | | | | | 6.0 | 7.9 |
| WNW | .1 | 1.8 | 1.1 | .1 | | | | | | | | 3.2 | 6.7 |
| NW | | 2.5 | .7 | .1 | | | | | | | | 3.3 | 6.2 |
| NNW | | 1.6 | 1.0 | | | | | | | | | 2.6 | 6.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.6 | |
| | 5.3 | 46.3 | 34.4 | 7.2 | .1 | | | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS 816

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .9 | 2.0 | 2.7 | .7 | | | | | | | | 6.2 | 6.7 |
| NNE | .1 | 2.3 | 1.5 | .1 | | | | | | | | 4.0 | 6.3 |
| NE | .5 | 1.1 | .7 | .1 | | | | | | | | 2.4 | 5.9 |
| ENE | .1 | 1.0 | 1.0 | | | | | | | | | 2.1 | 6.4 |
| E | .1 | .6 | 2.1 | .1 | | | | | | | | 2.9 | 7.6 |
| ESE | .1 | 1.0 | .6 | .1 | | | | | | | | 1.8 | 6.4 |
| SE | .5 | 2.4 | 1.1 | .2 | | | | | | | | 4.3 | 5.6 |
| SSE | .7 | 4.8 | 4.3 | .2 | | | | | | | | 10.0 | 6.3 |
| S | 1.3 | 8.4 | 4.4 | 2.1 | | | | | | | | 16.3 | 6.7 |
| SSW | .6 | 3.5 | 4.3 | 2.3 | .1 | | | | | | | 10.9 | 7.9 |
| SW | .2 | 2.1 | 5.4 | 1.6 | | | | | | | | 9.3 | 8.4 |
| WSW | .2 | 2.2 | 6.2 | 2.1 | | | | | | | | 10.8 | 8.3 |
| W | .5 | 2.2 | 2.6 | 1.1 | | | | | | | | 6.4 | 7.5 |
| WNW | .2 | 1.2 | 1.0 | .1 | | | | | | | | 2.6 | 6.3 |
| NW | .1 | 1.0 | 1.0 | .9 | | | | | | | | 2.9 | 8.8 |
| NNW | .1 | 1.3 | 1.5 | .1 | | | | | | | | 3.1 | 6.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.9 | |
| | 6.5 | 37.2 | 40.3 | 12.0 | .1 | | | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS 817

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .4 | 2.4 | 3.5 | 2.8 | | | | | | | | 9.1 | 8.9 |
| NNE | | 1.1 | 1.9 | .8 | | | | | | | | 3.9 | 8.2 |
| NE | | 1.5 | 1.9 | .7 | | | | | | | | 4.1 | 8.0 |
| ENE | | 1.3 | 2.1 | .4 | | | | | | | | 3.8 | 7.3 |
| E | | .7 | 2.1 | | | | | | | | | 2.8 | 7.0 |
| ESE | .1 | 1.6 | 2.2 | .1 | | | | | | | | 4.0 | 6.8 |
| SE | .1 | 1.5 | 2.3 | .2 | | | | | | | | 4.1 | 7.4 |
| SSE | .1 | .8 | 2.9 | .7 | | | | | | | | 4.6 | 8.3 |
| S | .2 | 1.3 | 4.1 | 3.0 | | | | | | | | 8.7 | 9.2 |
| SSW | | .7 | 2.4 | 3.5 | | | | | | | | 6.7 | 10.9 |
| SW | .4 | 1.6 | 4.6 | 5.6 | .1 | | | | | | | 12.3 | 10.0 |
| WSW | .2 | 2.4 | 4.5 | 4.2 | .2 | | .1 | | | | | 11.8 | 9.8 |
| W | .1 | 1.8 | 5.5 | 2.7 | | | | | | | | 10.1 | 9.1 |
| WNW | .5 | .4 | 2.8 | .6 | | | | | | | | 4.2 | 8.3 |
| NW | .1 | 1.2 | 3.4 | .7 | | | | | | | | 5.5 | 8.1 |
| NNW | .2 | 1.1 | 1.8 | .6 | | | | | | | | 3.8 | 7.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .6 | |
| | 2.5 | 21.5 | 48.1 | 26.8 | .4 | | .1 | | | | | 100.0 | 8.8 |

TOTAL NUMBER OF OBSERVATIONS 829

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .4 | 2.4 | 4.8 | 2.8 | | | | | | | | 10.4 | 8.9 |
| NNE | | 1.7 | 2.1 | 1.1 | .1 | | | | | | | 5.0 | 8.5 |
| NE | .4 | 1.0 | 2.3 | .5 | | | | | | | | 4.1 | 7.7 |
| ENE | .1 | .7 | 1.2 | | | | | | | | | 2.1 | 6.7 |
| E | .2 | 1.2 | 1.7 | .1 | | | | | | | | 3.3 | 6.8 |
| ESE | .2 | 1.1 | 1.5 | .4 | | | | | | | | 3.2 | 7.1 |
| SE | .1 | .9 | 2.1 | .4 | | | | | | | | 3.4 | 7.8 |
| SSE | | 1.0 | 1.1 | 1.0 | | | | | | | | 3.0 | 8.8 |
| S | .2 | 1.8 | 2.1 | 2.2 | .4 | | | | | | | 6.7 | 9.5 |
| SSW | | .4 | 2.1 | 3.7 | .4 | | | | | | | 6.5 | 11.5 |
| SW | .1 | 1.0 | 3.9 | 6.8 | .4 | | | | | | | 12.2 | 11.4 |
| WSW | .2 | 1.7 | 4.5 | 5.0 | .9 | .2 | | | | | | 12.6 | 10.7 |
| W | .1 | 1.6 | 4.8 | 5.6 | .1 | | | | | | | 12.2 | 9.9 |
| WNW | .1 | .6 | 1.8 | 1.5 | | | | | | | | 4.0 | 9.4 |
| NW | .1 | .7 | 2.7 | 2.7 | | | | | | | | 6.2 | 9.8 |
| NNW | .1 | 1.2 | 2.2 | .9 | | .1 | | | | | | 4.5 | 8.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .6 | |
| | 2.6 | 19.0 | 40.7 | 34.5 | 2.2 | .4 | | | | | | 100.0 | 9.5 |

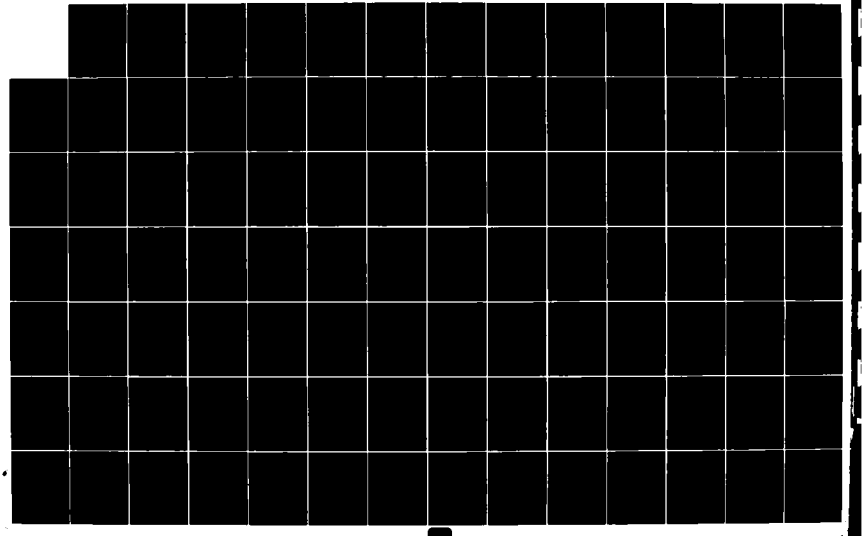
TOTAL NUMBER OF OBSERVATIONS 820

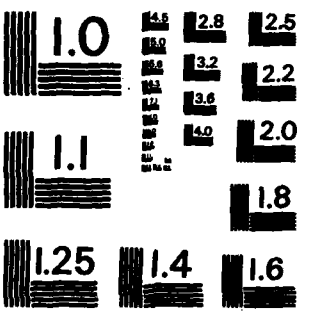
USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

AD-A122 714 MANSFIELD/LAHM MAP OHIO REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 03 AUG 82

UNCLASSIFIED USAFETAC/DS-82/048 SBI-AD-E850 207 F/G 4/2 NL

2/5






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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 2.3 | 4.2 | 4.6 | | | | | | | | 11.2 | 9.5 |
| NNE | .4 | 2.1 | 3.0 | 1.8 | | | | | | | | 7.3 | 8.5 |
| NE | .2 | 1.5 | 1.0 | .6 | | | | | | | | 3.3 | 7.5 |
| ENE | | 1.1 | 1.2 | .1 | | | | | | | | 2.4 | 6.9 |
| E | | 1.3 | 1.5 | .4 | | | | | | | | 3.1 | 7.2 |
| ESE | .1 | 1.0 | 1.3 | .6 | | | | | | | | 3.0 | 7.9 |
| SE | | .7 | 2.1 | .4 | | | | | | | | 3.1 | 7.8 |
| SSE | | .7 | 2.3 | .4 | | | | | | | | 3.4 | 8.1 |
| S | | .4 | 3.9 | 3.0 | .5 | | | | | | | 7.7 | 10.7 |
| SSW | .1 | .8 | 2.7 | 2.7 | | | | | | | | 6.3 | 9.8 |
| SW | .1 | 1.5 | 3.3 | 5.2 | .9 | .1 | | | | | | 10.5 | 11.1 |
| WSW | .1 | 1.0 | 4.5 | 4.5 | .8 | .2 | | | | | | 11.1 | 10.8 |
| W | .1 | 2.3 | 4.5 | 3.6 | .2 | | | | | | | 10.8 | 9.6 |
| WNW | | .6 | 2.8 | 1.7 | .2 | .1 | | | | | | 5.4 | 10.2 |
| NW | .2 | .7 | 2.5 | 1.7 | | | | | | | | 5.2 | 9.0 |
| NNW | | 1.0 | 3.1 | 1.5 | .1 | | | | | | | 5.7 | 8.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .4 | |
| | 1.6 | 18.9 | 43.8 | 32.6 | 2.3 | .5 | | | | | | 100.0 | 9.8 |

TOTAL NUMBER OF OBSERVATIONS 827

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .2 | 4.5 | 6.3 | 1.3 | | | | | | | | 12.4 | 7.7 |
| NNE | .1 | 4.5 | 3.6 | .9 | .1 | | | | | | | 9.2 | 7.2 |
| NE | .1 | 3.3 | [illegible].2 | .2 | | | | | | | | 5.9 | 6.5 |
| ENE | .2 | 2.2 | 1.0 | | | | | | | | | 3.4 | 5.8 |
| E | | 2.2 | 1.2 | .1 | | | | | | | | 3.6 | 6.2 |
| ESE | | 1.8 | .7 | | .1 | | | | | | | 2.7 | 6.2 |
| SE | | 2.6 | 1.1 | | | | | | | | | 3.7 | 6.3 |
| SSE | | 2.1 | 3.3 | .2 | | | | | | | | 5.6 | 7.4 |
| S | .2 | 1.7 | 4.4 | 1.6 | .1 | | | | | | | 8.1 | 8.6 |
| SSW | .1 | 1.7 | 3.3 | 2.8 | .2 | | | | | | | 8.2 | 9.6 |
| SW | .2 | 3.4 | 4.0 | 1.5 | .1 | | | | | | | 9.3 | 8.0 |
| WSW | .1 | 2.9 | 3.3 | .9 | .1 | .1 | | | | | | 7.5 | 8.1 |
| W | | 2.7 | 2.5 | .5 | .1 | | | | | | | 5.8 | 7.4 |
| WNW | .4 | 2.6 | 1.8 | .6 | | | | | | | | 5.4 | 7.2 |
| NW | .1 | 1.7 | 1.2 | .7 | .1 | | | | | | | 3.9 | 7.8 |
| NNW | | 1.5 | 1.0 | .2 | | | | | | | | 2.7 | 7.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.6 | |
| | 2.0 | 41.6 | 41.0 | 11.7 | 1.1 | .1 | | | | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS 815

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .5 | 5.1 | 1.6 | | | | | | | | | 7.2 | 5.5 |
| NNE | .4 | 3.8 | 1.2 | .2 | | | | | | | | 5.6 | 5.8 |
| NE | 1.1 | 5.3 | .7 | .1 | | | | | | | | 7.2 | 5.0 |
| ENE | .5 | 2.9 | .4 | | | | | | | | | 3.8 | 4.8 |
| E | .7 | 3.1 | 1.2 | | | | | | | | | 5.0 | 5.7 |
| ESE | .4 | 2.4 | | .2 | | | | | | | | 3.1 | 5.2 |
| SE | .1 | 2.7 | .9 | | | | | | | | | 3.7 | 5.4 |
| SSE | .5 | 2.9 | 2.4 | .1 | | | | | | | | 6.0 | 6.3 |
| S | 1.0 | 7.9 | 6.0 | 1.1 | | | | | | | | 16.0 | 6.7 |
| SSW | .2 | 3.4 | 4.5 | 2.3 | .1 | | | | | | | 10.6 | 8.4 |
| SW | .2 | 3.9 | 1.8 | 1.1 | | | | | | | | 7.1 | 7.0 |
| WSW | | 3.8 | 2.1 | .5 | | | | | | | | 6.3 | 6.7 |
| W | | 1.5 | 2.4 | .1 | | | | | | | | 4.0 | 6.9 |
| WNW | .1 | 1.0 | 1.7 | .2 | | | | | | | | 3.1 | 7.1 |
| NW | .1 | 1.0 | .6 | .7 | | | | | | | | 2.4 | 7.9 |
| NNW | .2 | 1.0 | .5 | .1 | | | | | | | | 1.8 | 5.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | X | X | X | X | X | X | X | X | X | X | X | 7.1 | |
| | 6.1 | 51.6 | 28.1 | 7.0 | .1 | | | | | | | 100.0 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 819

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725296 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .5 | 2.8 | 3.2 | 1.7 | | | | | | | | 8.1 | 7.8 |
| NNE | .2 | 2.3 | 1.8 | .7 | .0 | | | | | | | 5.1 | 7.2 |
| NE | .4 | 2.2 | 1.2 | .3 | | | | | | | | 4.1 | 6.3 |
| ENE | .2 | 1.5 | 1.0 | .1 | | | | | | | | 2.8 | 6.0 |
| E | .2 | 1.4 | 1.5 | .1 | | | | | | | | 3.2 | 6.5 |
| ESE | .2 | 1.5 | 1.0 | .2 | .0 | | | | | | | 2.9 | 6.4 |
| SE | .2 | 2.0 | 1.3 | .2 | | | | | | | | 3.7 | 6.3 |
| SSE | .3 | 2.9 | 2.7 | .4 | | | | | | | | 6.2 | 6.7 |
| S | .8 | 5.3 | 4.9 | 1.8 | .1 | | | | | | | 12.9 | 7.4 |
| SSW | .3 | 2.6 | 3.8 | 2.6 | .1 | | | | | | | 9.4 | 8.8 |
| SW | .2 | 2.6 | 3.8 | 3.2 | .2 | .0 | | | | | | 9.9 | 9.2 |
| WSW | .1 | 2.5 | 4.2 | 2.5 | .3 | .1 | .0 | | | | | 9.7 | 9.0 |
| W | .2 | 1.8 | 3.5 | 1.9 | .1 | | | | | | | 7.5 | 8.7 |
| WNW | .2 | 1.1 | 1.8 | .7 | .0 | .0 | | | | | | 3.8 | 8.1 |
| NW | .1 | 1.3 | 1.6 | 1.0 | .0 | | | | | | | 4.0 | 8.3 |
| NNW | .1 | 1.2 | 1.5 | .9 | .0 | .0 | | | | | | 3.2 | 7.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.5 | |
| | 4.1 | 35.2 | 38.8 | 17.9 | .8 | .1 | .0 | | | | | 100.0 | 7.6 |

TOTAL NUMBER OF OBSERVATIONS 6559

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.4 | 1.1 | | | | | | | | | 2.6 | 6.2 |
| NNE | | 1.5 | .4 | .5 | | | | | | | | 2.4 | 7.1 |
| NE | .1 | 2.6 | .7 | | | | | | | | | 3.4 | 5.4 |
| ENE | .1 | 1.8 | .4 | | | | | | | | | 2.3 | 5.1 |
| E | .5 | 1.8 | .7 | | | | | | | | | 3.0 | 5.0 |
| ESE | | 1.5 | .3 | | | | | | | | | 1.8 | 5.2 |
| SE | .1 | 4.5 | .7 | .1 | | | | | | | | 5.4 | 5.5 |
| SSE | .1 | 6.2 | 2.2 | .1 | | | | | | | | 8.7 | 6.0 |
| S | .8 | 8.4 | 8.4 | 1.0 | .1 | | | | | | | 18.7 | 6.9 |
| SSW | .7 | 4.5 | 6.8 | 1.9 | | | | | | | | 13.9 | 7.7 |
| SW | | 3.8 | 4.2 | 1.8 | .1 | | | | | | | 9.9 | 8.1 |
| WSW | .1 | 4.2 | 2.7 | 1.0 | .1 | | | | | | | 8.2 | 7.4 |
| W | .3 | 2.2 | 3.4 | .3 | | | | | | | | 6.1 | 7.2 |
| WNW | .1 | 1.8 | 1.5 | .1 | | | | | | | | 3.5 | 6.6 |
| NW | | 1.2 | 1.6 | .4 | | | | | | | | 3.3 | 7.5 |
| NNW | | 1.5 | .3 | .1 | | | | | | | | 1.9 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.9 | |
| | 3.3 | 58.8 | 35.3 | 7.3 | .4 | | | | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS 736

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .3 | 1.9 | 1.4 | | | | | | | | | 3.5 | 6.3 |
| NNE | .4 | 2.1 | .3 | .3 | | | | | | | | 3.0 | 5.5 |
| NE | .1 | .6 | .1 | .1 | | | | | | | | 1.1 | 5.7 |
| ENE | .1 | 1.4 | .1 | | | | | | | | | 1.6 | 4.8 |
| E | .1 | 1.3 | .3 | | | | | | | | | 1.6 | 5.1 |
| ESE | .3 | 1.5 | .5 | .1 | | | | | | | | 2.4 | 5.8 |
| SE | | 3.2 | 1.1 | .3 | | | | | | | | 4.6 | 5.7 |
| SSE | 1.3 | 4.3 | 3.3 | | | | | | | | | 8.8 | 5.8 |
| S | 1.5 | 9.1 | 7.7 | 1.4 | | | | | | | | 19.7 | 6.4 |
| SSW | .5 | 3.7 | 6.2 | 2.0 | | | | | | | | 12.4 | 7.7 |
| SW | .3 | 2.9 | 5.9 | 1.5 | | | | | | | | 10.6 | 8.0 |
| WSW | .3 | 3.5 | 4.6 | .4 | | | | | | | | 8.7 | 6.9 |
| W | .8 | 3.3 | 1.6 | .3 | | | | | | | | 5.9 | 6.0 |
| WNW | .1 | 1.0 | 1.1 | | | | | | | | | 2.3 | 6.3 |
| NW | .5 | 1.6 | 1.3 | .1 | | | | | | | | 3.5 | 6.1 |
| NNW | | 1.4 | 1.3 | .1 | | | | | | | | 2.8 | 6.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.2 | |
| | 6.8 | 53.0 | 36.8 | 6.6 | | | | | | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS 791

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .6 | 1.6 | .7 | .6 | | | | | | | | 3.5 | 6.8 |
| NNE | .5 | 1.0 | 1.0 | .6 | | | | | | | | 3.1 | 6.8 |
| NE | .2 | 1.5 | .2 | .1 | | | | | | | | 2.1 | 5.3 |
| ENE | .2 | 1.1 | 1.1 | | | | | | | | | 2.4 | 6.1 |
| E | .4 | 1.8 | 1.0 | | | | | | | | | 3.2 | 5.6 |
| ESE | .1 | 2.1 | .9 | | | | | | | | | 3.1 | 5.7 |
| SE | .7 | 2.1 | 1.6 | .2 | | | | | | | | 4.6 | 6.1 |
| SSE | 1.1 | 3.7 | 2.8 | .4 | | | | | | | | 7.9 | 6.2 |
| S | 1.8 | 5.9 | 7.9 | 1.8 | | | | | | | | 17.5 | 7.1 |
| SSW | .6 | 4.3 | 6.4 | 2.1 | | | | | | | | 13.3 | 7.7 |
| SW | | 3.1 | 3.9 | 3.1 | | | | | | | | 10.0 | 8.5 |
| WSW | .5 | 2.6 | 4.0 | .7 | | | | | | | | 7.8 | 7.4 |
| W | .5 | 2.2 | 1.8 | 1.0 | | | | | | | | 5.5 | 7.2 |
| WNW | .2 | 2.4 | 1.7 | .4 | | | | | | | | 4.8 | 6.9 |
| NW | .2 | 1.1 | 1.7 | .4 | | | | | | | | 3.4 | 7.0 |
| NNW | | 1.2 | 1.1 | .5 | | | | | | | | 2.8 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.9 | |
| | 7.8 | 37.8 | 37.9 | 11.9 | | | | | | | | 100.0 | 6.7 |

TOTAL NUMBER OF OBSERVATIONS 818

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .4 | 1.6 | 3.5 | 1.5 | | | | | | | | 6.9 | 8.4 |
| NNE | .4 | 1.5 | 1.2 | 1.1 | | | | | | | | 4.2 | 7.7 |
| NE | .5 | 1.4 | 1.7 | .9 | | | | | | | | 4.4 | 7.3 |
| ENE | .1 | 1.4 | 1.7 | .2 | | | | | | | | 3.5 | 7.1 |
| E | | 1.1 | 3.1 | | | | | | | | | 4.2 | 7.4 |
| ESE | | 1.5 | 1.0 | | | | | | | | | 2.5 | 6.5 |
| SE | | 1.0 | 2.7 | .4 | | | | | | | | 4.1 | 7.6 |
| SSE | .1 | 1.1 | 3.2 | .6 | | | | | | | | 5.1 | 7.8 |
| S | .2 | .9 | 5.7 | 2.5 | .1 | | | | | | | 9.4 | 9.2 |
| SSW | .1 | .5 | 5.5 | 5.1 | .2 | | | | | | | 11.5 | 10.4 |
| SW | .2 | 1.2 | 5.7 | 4.9 | | | | | | | | 12.1 | 9.9 |
| WSW | .1 | 1.8 | 5.1 | 4.3 | .2 | | | | | | | 11.6 | 9.6 |
| W | .1 | 1.8 | 3.8 | 2.0 | | | | | | | | 7.8 | 8.3 |
| WNW | .4 | 1.5 | 2.0 | .7 | | | | | | | | 4.6 | 7.7 |
| NW | | 1.0 | 1.8 | .5 | | | | | | | | 3.3 | 8.2 |
| NNW | | 1.7 | 1.8 | .6 | | | | | | | | 4.2 | 7.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .9 | |
| | 2.7 | 21.8 | 49.6 | 25.3 | .6 | | | | | | | 100.0 | 8.4 |

TOTAL NUMBER OF OBSERVATIONS 811

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 1.2 | 3.7 | 1.4 | | | | | | | | 6.3 | 8.8 |
| NNE | | 1.0 | 1.8 | 1.0 | | | | | | | | 3.8 | 8.5 |
| NE | .1 | 1.1 | 2.0 | .9 | | | | | | | | 4.1 | 8.0 |
| ENE | .1 | .4 | 1.8 | .2 | | | | | | | | 2.6 | 7.6 |
| E | .1 | 2.3 | 1.6 | .5 | | | | | | | | 4.6 | 7.0 |
| ESE | .2 | .5 | 2.2 | .2 | | | | | | | | 3.2 | 7.9 |
| SE | | .6 | .7 | .2 | | | | | | | | 1.6 | 7.9 |
| SSE | | .1 | 1.5 | 1.0 | | | | | | | | 2.6 | 9.6 |
| S | .2 | 1.0 | 2.6 | 3.2 | | | | | | | | 7.0 | 9.9 |
| SSW | | 1.1 | 3.0 | 5.9 | .2 | | | | | | | 10.2 | 11.1 |
| SW | .1 | 1.0 | 3.8 | 7.3 | .5 | | | | | | | 12.7 | 11.1 |
| WSW | .2 | 2.2 | 5.5 | 6.5 | .1 | | | | | | | 14.6 | 9.9 |
| W | .1 | 2.2 | 5.7 | 2.7 | .1 | | | | | | | 10.8 | 9.0 |
| WNW | .5 | 1.0 | 2.2 | 1.0 | | .1 | | | | | | 4.8 | 8.4 |
| NW | .2 | 1.0 | 2.1 | 1.2 | .1 | | .1 | | | | | 4.8 | 9.4 |
| NNW | | 1.0 | 3.4 | .7 | .2 | | | | | | | 5.4 | 9.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 2.1 | 17.7 | 43.7 | 33.9 | 1.4 | .1 | .1 | | | | | 100.0 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS 813

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.7 | 5.3 | 2.6 | .2 | | | | | | | 9.9 | 9.3 |
| NNE | .1 | 1.5 | 3.6 | .9 | .4 | | | | | | | 6.4 | 8.6 |
| NE | .4 | .9 | 1.8 | .9 | | | | | | | | 3.9 | 8.0 |
| ENE | .1 | 1.1 | 1.5 | .1 | | | | | | | | 2.8 | 6.7 |
| E | .2 | 1.7 | 1.5 | .2 | | | | | | | | 3.7 | 6.7 |
| ESE | .1 | .9 | 1.1 | .5 | | | | | | | | 2.6 | 7.8 |
| SE | | .6 | 1.1 | .6 | .1 | | | | | | | 2.5 | 9.1 |
| SSE | | .9 | 1.5 | .1 | | | | | | | | 2.5 | 7.5 |
| S | .1 | 1.1 | 3.6 | 3.9 | .4 | | | | | | | 8.6 | 10.9 |
| SSW | | .7 | 2.9 | 5.8 | .5 | | | | | | | 9.2 | 11.4 |
| SW | .2 | 1.0 | 3.2 | 4.8 | .4 | | | | | | | 9.6 | 10.7 |
| WSW | .2 | 1.8 | 6.0 | 4.7 | | | | | | | | 12.7 | 9.5 |
| W | | 2.5 | 4.3 | 2.3 | .1 | | | | | | | 9.2 | 8.9 |
| WNW | .2 | 1.5 | 2.8 | 2.0 | | | | | | | | 6.5 | 8.3 |
| NW | .1 | .1 | 1.8 | 1.2 | | | | | | | | 3.3 | 9.3 |
| NNW | .5 | 1.1 | 2.9 | .9 | | | .1 | | | | | 5.5 | 8.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.2 | |
| | 2.8 | 19.8 | 48.9 | 38.1 | 2.1 | | .1 | | | | | 100.0 | 9.1 |

TOTAL NUMBER OF OBSERVATIONS 816

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .4 | 4.5 | 5.7 | .6 | | | | | | | | 11.2 | 7.3 |
| NNE | .1 | 4.6 | 4.5 | .6 | | | | | | | | 9.9 | 6.9 |
| NE | .4 | 3.4 | 1.6 | | | | | | | | | 5.4 | 6.0 |
| ENE | .4 | 1.7 | .5 | .1 | | | | | | | | 2.7 | 5.6 |
| E | .4 | 2.0 | .9 | | | | | | | | | 3.2 | 5.5 |
| ESE | .2 | 2.0 | 1.3 | .2 | | | | | | | | 3.8 | 6.5 |
| SE | | 2.3 | .6 | .1 | | | | | | | | 3.1 | 5.8 |
| SSE | | 2.6 | 1.2 | .7 | | | | | | | | 4.5 | 7.1 |
| S | .1 | 2.0 | 5.3 | 2.8 | | | | | | | | 10.1 | 9.2 |
| SSW | | 2.0 | 6.8 | 1.3 | .1 | | | | | | | 10.3 | 8.8 |
| SW | | 4.0 | 4.4 | 1.8 | | | | | | | | 10.3 | 8.0 |
| WSW | .2 | 4.2 | 3.5 | .9 | | | | | | | | 8.8 | 7.0 |
| W | .1 | 4.0 | 1.7 | .2 | | | | | | | | 6.1 | 6.1 |
| WNW | | 1.6 | 1.3 | .4 | | | | | | | | 3.3 | 7.1 |
| NW | | 1.7 | 1.1 | .4 | | | | | | | | 3.2 | 6.8 |
| NNW | .1 | 1.0 | 1.0 | .2 | | | | | | | | 2.3 | 7.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.0 | |
| | 2.4 | 43.5 | 41.5 | 10.5 | .1 | | | | | | | 100.0 | 7.1 |

TOTAL NUMBER OF OBSERVATIONS 819

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 4.5 | .7 | | | | | | | | | 5.2 | 5.5 |
| NNE | .7 | 3.3 | 1.2 | | | | | | | | | 5.1 | 5.3 |
| NE | .3 | 4.7 | 1.4 | | | | | | | | | 6.4 | 5.6 |
| ENE | .1 | 3.1 | .8 | | | | | | | | | 4.1 | 5.3 |
| E | .4 | 2.6 | .8 | | | | | | | | | 3.8 | 5.3 |
| ESE | .1 | 1.6 | .8 | | | | | | | | | 2.5 | 5.8 |
| SE | .3 | 3.1 | 1.2 | .1 | | | | | | | | 4.7 | 5.9 |
| SSE | .4 | 3.4 | 2.2 | | | | | | | | | 6.0 | 6.2 |
| S | .5 | 6.2 | 10.5 | 1.7 | | | | | | | | 18.9 | 7.6 |
| SSW | .3 | 3.7 | 5.9 | 1.3 | .1 | | | | | | | 11.3 | 8.0 |
| SW | | 4.2 | 3.4 | .9 | .1 | | | | | | | 8.7 | 7.7 |
| WSW | .5 | 2.4 | 2.9 | .8 | | | | | | | | 6.6 | 6.9 |
| W | .1 | 2.8 | 2.2 | .3 | | | | | | | | 5.4 | 6.6 |
| WNW | .1 | 1.6 | .3 | | | | | | | | | 2.0 | 5.3 |
| NW | .4 | 1.0 | .5 | | | | | | | | | 2.0 | 5.3 |
| NNW | | 1.0 | .8 | | | | | | | | | 1.8 | 6.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.6 | |
| | 4.3 | 49.1 | 35.5 | 5.1 | .3 | | | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS 783

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .3 | 2.3 | 2.8 | .8 | .0 | | | | | | | 6.2 | 7.7 |
| NNE | .3 | 2.1 | 1.8 | .6 | .0 | | | | | | | 4.8 | 7.1 |
| NE | .3 | 2.0 | 1.2 | .4 | | | | | | | | 3.8 | 6.5 |
| ENE | .2 | 1.5 | 1.0 | .1 | | | | | | | | 2.7 | 6.1 |
| E | .3 | 1.8 | 1.2 | .1 | | | | | | | | 3.4 | 6.1 |
| ESE | .1 | 1.4 | 1.0 | .1 | | | | | | | | 2.7 | 6.5 |
| SE | .1 | 2.1 | 1.2 | .3 | .0 | | | | | | | 3.8 | 6.4 |
| SSE | .4 | 2.7 | 2.2 | .4 | | | | | | | | 5.7 | 6.6 |
| S | .7 | 4.2 | 6.4 | 2.2 | .1 | | | | | | | 13.6 | 7.9 |
| SSW | .3 | 2.5 | 5.4 | 3.1 | .2 | | | | | | | 11.5 | 9.0 |
| SW | .1 | 2.6 | 4.3 | 3.3 | .1 | | | | | | | 10.5 | 9.1 |
| WSW | .3 | 2.8 | 4.3 | 2.4 | .1 | | | | | | | 9.9 | 8.4 |
| W | .3 | 2.6 | 3.1 | 1.1 | .0 | | | | | | | 7.1 | 7.7 |
| WNW | .2 | 1.5 | 1.6 | .6 | | .0 | | | | | | 4.0 | 7.3 |
| NW | .2 | 1.1 | 1.5 | .5 | .0 | | .0 | | | | | 3.4 | 7.7 |
| NNW | .1 | 1.2 | 1.6 | .4 | .0 | | .0 | | | | | 3.4 | 7.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.4 | |
| | 4.0 | 34.6 | 40.8 | 16.6 | .6 | .0 | .0 | | | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS 6367

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-80 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 1.3 | 2.3 | .4 | | | | | | | | 4.0 | 8.2 |
| NNE | | 1.6 | .6 | .6 | | | | | | | | 2.7 | 7.2 |
| NE | .6 | 2.0 | 1.0 | .6 | | | | | | | | 4.1 | 6.7 |
| ENE | .1 | 1.3 | 1.1 | .3 | | | | | | | | 2.8 | 6.8 |
| E | | 1.4 | 1.1 | | | | | | | | | 2.6 | 6.6 |
| ESE | .3 | 1.0 | .9 | .1 | | | | | | | | 2.3 | 6.3 |
| SE | .1 | 3.1 | 1.4 | .1 | | | | | | | | 4.8 | 6.1 |
| SSE | .1 | 5.1 | 3.6 | .6 | .1 | | | | | | | 9.5 | 6.9 |
| S | .6 | 9.1 | 7.8 | 2.7 | | | | | | | | 20.2 | 7.4 |
| SSW | .3 | 4.3 | 5.5 | 1.4 | .3 | | | | | | | 11.8 | 8.0 |
| SW | | 2.8 | 3.4 | 1.0 | | | | | | | | 7.3 | 8.0 |
| WSW | | 2.1 | 2.8 | .9 | | | | | | | | 5.8 | 8.0 |
| W | .1 | 2.1 | 5.7 | 1.0 | | | | | | | | 9.0 | 7.9 |
| WNW | | .9 | 2.0 | .9 | | | | | | | | 3.7 | 8.8 |
| NW | | 2.1 | 1.8 | .6 | .1 | | | | | | | 4.7 | 7.8 |
| NNW | | .4 | .9 | .6 | | | | | | | | 1.8 | 8.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.8 | |
| | 2.3 | 40.7 | 42.0 | 11.7 | .6 | | | | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS 703

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 1.8 | 2.1 | .1 | | | | | | | | 4.1 | 6.8 |
| NNE | .4 | .8 | .8 | .9 | | | | | | | | 2.9 | 8.1 |
| NE | .3 | 1.2 | .9 | .1 | | | | | | | | 2.5 | 6.2 |
| ENE | | .5 | .9 | | | | | | | | | 1.4 | 7.1 |
| E | .3 | 1.8 | 1.4 | .3 | | | | | | | | 3.8 | 6.7 |
| ESE | .1 | 1.0 | .1 | | | | | | | | | 1.3 | 5.1 |
| SE | | 2.6 | 2.0 | | | | | | | | | 4.6 | 6.2 |
| SSE | .5 | 4.9 | 4.1 | .7 | | | | | | | | 10.1 | 6.7 |
| S | .9 | 8.0 | 6.4 | 2.4 | | | | | | | | 17.7 | 6.9 |
| SSW | .5 | 3.8 | 6.7 | 1.3 | .1 | | | | | | | 12.5 | 7.8 |
| SW | .1 | 2.8 | 4.6 | 2.0 | .1 | | | | | | | 9.6 | 8.3 |
| WSW | .3 | 1.8 | 3.8 | .5 | .1 | | | | | | | 6.6 | 7.7 |
| W | .3 | 2.0 | 4.2 | .8 | | | | | | | | 7.2 | 7.8 |
| WNW | | .9 | 2.0 | .7 | | | | | | | | 3.5 | 8.2 |
| NW | .1 | 2.8 | 2.2 | .9 | | | | | | | | 5.5 | 7.1 |
| NNW | | 1.8 | .9 | .7 | | | | | | | | 3.4 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.3 | |
| | 3.8 | 38.6 | 43.2 | 10.8 | .9 | | | | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS 762

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .4 | 1.3 | 2.2 | 1.9 | | | | | | | | 5.7 | 8.5 |
| NNE | .4 | 1.1 | 1.4 | .5 | | | | | | | | 3.4 | 7.4 |
| NE | | .8 | .3 | | | | | | | | | 1.0 | 5.8 |
| ENE | .4 | .8 | .9 | | | | | | | | | 2.0 | 5.8 |
| E | .1 | 1.1 | 1.4 | .3 | | | | | | | | 2.9 | 7.0 |
| ESE | .4 | .9 | 1.0 | | | | | | | | | 2.3 | 6.3 |
| SE | .1 | 2.2 | 1.9 | .3 | | | | | | | | 4.4 | 6.5 |
| SSE | .9 | 3.5 | 3.7 | .9 | | | | | | | | 9.0 | 6.8 |
| S | .9 | 7.1 | 7.2 | 1.8 | .1 | | | | | | | 17.1 | 7.2 |
| SSW | .5 | 3.5 | 5.2 | 2.0 | .1 | .1 | | | | | | 11.5 | 8.2 |
| SW | .4 | 3.4 | 4.3 | 2.4 | | | | | | | | 10.5 | 8.4 |
| WSW | .3 | 1.8 | 3.2 | 1.0 | .1 | | | | | | | 6.3 | 8.0 |
| W | .4 | 2.4 | 4.7 | 1.1 | .1 | | | | | | | 8.7 | 8.1 |
| WNW | | 1.3 | 1.3 | .5 | | | | | | | | 3.0 | 7.6 |
| NW | | 1.6 | 1.6 | .6 | | | | | | | | 3.9 | 7.7 |
| NNW | .4 | 1.0 | 2.0 | .9 | | | | | | | | 3.8 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.3 | |
| | 5.8 | 33.8 | 42.2 | 13.7 | .8 | .1 | | | | | | 100.0 | 7.2 |

TOTAL NUMBER OF OBSERVATIONS 790

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725296 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .3 | 1.8 | 2.0 | 2.9 | | | | | | | | 6.9 | 9.0 |
| NNE | | .5 | 2.6 | .8 | | | | | | | | 3.8 | 8.2 |
| NE | | .8 | .8 | 1.0 | | | | | | | | 2.5 | 9.1 |
| ENE | | .5 | 2.0 | .1 | | | | | | | | 2.6 | 7.8 |
| E | .4 | .9 | 2.5 | .6 | | | | | | | | 4.4 | 7.7 |
| ESE | .3 | .8 | 1.1 | .8 | | | | | | | | 2.6 | 7.6 |
| SE | .1 | 1.1 | 1.9 | .6 | .1 | | | | | | | 3.9 | 8.3 |
| SSE | .3 | 1.3 | 3.0 | 1.0 | | | | | | | | 5.5 | 8.2 |
| S | .1 | 2.0 | 6.1 | 4.2 | .1 | | | | | | | 12.5 | 9.3 |
| SSW | | .8 | 4.2 | 3.3 | | .1 | | | | | | 8.3 | 10.2 |
| SW | .1 | 1.1 | 4.4 | 3.0 | .4 | .3 | | | | | | 9.3 | 10.2 |
| WSW | .3 | 1.5 | 6.3 | 3.0 | .4 | .1 | | | | | | 11.6 | 9.7 |
| W | .3 | 1.9 | 4.5 | 2.8 | .3 | | | | | | | 9.7 | 9.1 |
| WNW | .1 | 1.1 | 2.0 | 1.8 | | | | | | | | 5.0 | 9.1 |
| NW | .3 | 1.0 | 1.3 | 1.3 | .1 | | | | | | | 3.9 | 9.0 |
| NNW | .4 | 1.6 | 2.4 | 2.1 | .3 | | | | | | | 6.8 | 9.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .4 | |
| | 2.8 | 18.7 | 47.3 | 28.8 | 1.6 | .8 | | | | | | 100.0 | 9.1 |

TOTAL NUMBER OF OBSERVATIONS 793

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.5 | 3.5 | 3.0 | .1 | | | | | | | 8.3 | 9.7 |
| NNE | | .9 | 1.8 | 1.1 | | | | | | | | 3.8 | 9.0 |
| NE | | 1.0 | 1.4 | .5 | .1 | | | | | | | 3.0 | 8.4 |
| ENE | | 1.1 | 1.5 | .1 | | | | | | | | 2.4 | 7.4 |
| E | | 1.6 | 1.3 | .4 | | | | | | | | 3.3 | 7.0 |
| ESE | .4 | .4 | .6 | .3 | | | | | | | | 1.6 | 7.2 |
| SE | .1 | .9 | 1.1 | .8 | | | | | | | | 2.9 | 8.0 |
| SSE | .1 | 1.3 | 2.4 | 1.6 | .1 | | | | | | | 5.5 | 9.0 |
| S | .6 | 1.6 | 3.4 | 4.2 | .9 | | | | | | | 10.7 | 10.3 |
| SSW | .1 | 1.0 | 2.4 | 3.5 | .1 | | | | | | | 7.2 | 10.5 |
| SW | .3 | .9 | 4.0 | 6.8 | 1.0 | | | | | | | 13.0 | 11.5 |
| WSW | .1 | 1.3 | 4.2 | 3.6 | .8 | | | | | | | 9.9 | 10.3 |
| W | .4 | 1.8 | 3.9 | 4.4 | .6 | | | | | | | 10.8 | 10.4 |
| WNW | | 1.0 | 3.1 | 2.0 | .1 | | | | | | | 6.3 | 9.4 |
| NW | | 1.6 | 3.4 | 2.1 | | | | | | | | 7.2 | 9.1 |
| NNW | .1 | .4 | 1.8 | .8 | .1 | | | | | | | 3.1 | 9.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .6 | |
| | 2.4 | 18.8 | 39.7 | 35.2 | 4.8 | | | | | | | 100.0 | 9.7 |

TOTAL NUMBER OF OBSERVATIONS 795

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 1.5 | 5.3 | 2.4 | .1 | | | | | | | 9.4 | 9.3 |
| NNE | | .9 | 1.6 | 1.0 | .3 | | | | | | | 3.8 | 9.2 |
| NE | | .9 | 1.4 | .1 | | | | | | | | 2.4 | 7.4 |
| ENE | .4 | 1.0 | .9 | .3 | | | | | | | | 2.5 | 6.6 |
| E | .4 | 1.9 | 1.5 | | | | | | | | | 3.8 | 6.2 |
| ESE | .3 | .8 | 1.3 | | | | | | | | | 2.3 | 6.8 |
| SE | .4 | 1.0 | 2.5 | .3 | | | | | | | | 4.2 | 7.6 |
| SSE | | .5 | 1.6 | 2.0 | | | | | | | | 4.2 | 9.6 |
| S | .1 | .6 | 2.9 | 3.2 | .4 | | | | | | | 7.2 | 10.4 |
| SSW | .1 | .5 | 2.4 | 5.3 | .1 | | | | | | | 8.5 | 11.3 |
| SW | .4 | 1.0 | 4.4 | 5.4 | .4 | | | | | | | 11.6 | 10.5 |
| WSW | | 1.0 | 3.9 | 3.4 | | | | | | | | 8.4 | 10.0 |
| W | .6 | 2.7 | 4.1 | 3.5 | .4 | | | | | | | 11.3 | 9.2 |
| WNW | | 1.1 | 3.5 | 2.5 | | | | | | | | 7.2 | 9.4 |
| NW | | 1.6 | 3.8 | 2.2 | | | | | | | | 7.6 | 8.9 |
| NNW | .1 | 1.0 | 2.4 | 1.4 | | | | | | | | 4.9 | 9.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .8 | |
| | 2.8 | 18.1 | 43.7 | 33.0 | 1.6 | | | | | | | 100.0 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS 790

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 3.3 | 4.2 | .6 | | | | | | | | 8.2 | 7.3 |
| NNE | | 4.2 | 2.8 | .4 | .3 | | | | | | | 7.6 | 7.1 |
| NE | .4 | 2.8 | .5 | | | | | | | | | 3.7 | 5.2 |
| ENE | .3 | 1.6 | .9 | | | | | | | | | 2.8 | 5.6 |
| E | .3 | 1.4 | .8 | | | | | | | | | 2.4 | 5.9 |
| ESE | .3 | 1.8 | .5 | .1 | | | | | | | | 2.7 | 5.9 |
| SE | .5 | 3.4 | 1.8 | .1 | | | | | | | | 5.8 | 6.0 |
| SSE | | 2.2 | 3.2 | .4 | | | | | | | | 5.7 | 7.4 |
| S | .3 | 2.8 | 5.4 | .5 | | | | | | | | 9.0 | 7.4 |
| SSW | .3 | 3.7 | 3.8 | 1.9 | | | | | | | | 9.6 | 8.1 |
| SW | .3 | 3.9 | 5.2 | 2.0 | | | | | | | | 11.4 | 8.0 |
| WSW | .3 | 4.1 | 2.5 | .8 | | | | | | | | 7.6 | 7.0 |
| W | .8 | 3.4 | 2.2 | .4 | .1 | | | | | | | 6.8 | 6.4 |
| WNW | .3 | 2.3 | 2.3 | .6 | .1 | | | | | | | 5.6 | 7.4 |
| NW | .1 | 2.7 | 1.6 | .3 | .1 | | | | | | | 4.8 | 7.0 |
| NNW | | 2.2 | 2.4 | .1 | | | | | | | | 4.7 | 7.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.5 | |
| | 3.9 | 45.6 | 40.1 | 8.2 | .4 | | | | | | | 100.0 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS 789

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725296 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .5 | 2.5 | 1.3 | .5 | | | | | | | | 4.9 | 6.4 |
| NNE | | 1.7 | 1.8 | .5 | .1 | | | | | | | 4.2 | 7.6 |
| NE | .5 | 3.0 | 1.2 | .3 | .1 | | | | | | | 5.1 | 6.5 |
| ENE | .4 | 2.5 | 1.3 | .1 | | | | | | | | 4.3 | 5.6 |
| E | .4 | 1.6 | 1.3 | | | | | | | | | 3.3 | 6.0 |
| ESE | .4 | 2.4 | .8 | | | | | | | | | 3.5 | 5.4 |
| SE | .3 | 3.7 | 1.4 | .1 | | | | | | | | 5.5 | 6.0 |
| SSE | .3 | 4.5 | 3.4 | .3 | | | | | | | | 8.4 | 6.5 |
| S | .4 | 8.1 | 6.0 | 1.6 | | | | | | | | 16.1 | 6.9 |
| SSW | | 3.8 | 5.5 | 1.0 | .1 | | | | | | | 10.5 | 7.8 |
| SW | .1 | 2.4 | 3.4 | 2.1 | | | | | | | | 8.0 | 8.7 |
| WSW | .1 | 2.4 | 2.4 | .9 | | | | | | | | 5.8 | 7.6 |
| W | .1 | 2.1 | 3.9 | .7 | | | | | | | | 6.8 | 7.8 |
| WNW | | 1.3 | 3.3 | .8 | | | | | | | | 5.1 | 7.8 |
| NW | .1 | 2.4 | 1.0 | .3 | .1 | | | | | | | 3.9 | 7.1 |
| NNW | | 1.2 | .7 | .1 | | | | | | | | 2.0 | 6.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.5 | |
| | 3.7 | 45.4 | 38.8 | 9.1 | .5 | | | | | | | 100.0 | 6.9 |

TOTAL NUMBER OF OBSERVATIONS 742

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

ALL WEATHER (CLASS)

ALL (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 | .2 | 1.9 | 2.9 | 1.5 | .0 | | | | | | | 6.5 | 8.4 |
| NNE | .1 | 1.5 | 1.7 | .7 | .1 | | | | | | | 4.0 | 7.9 |
| NE | .2 | 1.5 | .9 | .3 | .0 | | | | | | | 3.0 | 6.9 |
| ENE | .2 | 1.2 | 1.2 | .1 | | | | | | | | 2.7 | 6.5 |
| E | .2 | 1.5 | 1.4 | .2 | | | | | | | | 3.3 | 6.7 |
| ESE | .3 | 1.1 | .8 | .1 | | | | | | | | 2.3 | 6.3 |
| SE | .2 | 2.2 | 1.8 | .3 | .0 | | | | | | | 4.5 | 6.7 |
| SSE | .3 | 2.8 | 3.1 | .9 | .0 | | | | | | | 7.2 | 7.4 |
| S | .5 | 4.8 | 5.6 | 2.6 | .2 | | | | | | | 13.7 | 7.9 |
| SSW | .2 | 2.6 | 4.4 | 2.5 | .1 | .0 | | | | | | 9.9 | 8.8 |
| SW | .2 | 2.3 | 4.2 | 3.1 | .2 | .0 | | | | | | 10.1 | 9.3 |
| WSW | .2 | 2.0 | 3.7 | 1.8 | .2 | .0 | | | | | | 7.8 | 8.8 |
| W | .4 | 2.3 | 4.1 | 1.9 | .2 | | | | | | | 8.8 | 8.5 |
| WNW | .0 | 1.2 | 2.4 | 1.2 | .0 | | | | | | | 5.0 | 8.6 |
| NW | .1 | 2.0 | 2.1 | 1.0 | .1 | | | | | | | 5.2 | 8.1 |
| NNW | .1 | 1.2 | 1.7 | .8 | .0 | | | | | | | 3.9 | 8.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.0 | |
| | 3.4 | 32.1 | 42.1 | 19.0 | 1.3 | .1 | | | | | | 100.0 | 8.0 |

TOTAL NUMBER OF OBSERVATIONS 6188

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-80 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 0000-0200 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .4 | 1.9 | 1.9 | .1 | .1 | | | | | | | 4.5 | 6.7 |
| NNE | .1 | .8 | 1.2 | .1 | .3 | | | | | | | 2.6 | 8.4 |
| NE | .1 | 1.5 | .8 | | .1 | | | | | | | 2.6 | 6.6 |
| ENE | | 1.1 | .3 | | | | | | | | | 1.4 | 5.6 |
| E | | .3 | 1.0 | .1 | | | | | | | | 1.4 | 7.1 |
| ESE | | .4 | 1.0 | | | | | | | | | 1.4 | 7.1 |
| SE | .3 | 2.2 | 2.7 | 1.0 | | | | | | | | 6.2 | 7.6 |
| SSE | .3 | 3.0 | 5.7 | .5 | | | | | | | | 9.6 | 7.9 |
| S | .7 | 4.4 | 8.9 | 2.7 | .1 | | | | | | | 16.8 | 8.1 |
| SSW | | 2.2 | 4.8 | 3.6 | .1 | | | | | | | 10.7 | 9.7 |
| SW | .1 | 2.2 | 4.1 | 3.4 | .8 | | | | | | | 10.7 | 10.0 |
| WSW | | 2.2 | 3.3 | 1.6 | .1 | | | | | | | 7.3 | 8.7 |
| W | .1 | 2.2 | 6.2 | 2.6 | .1 | | | | | | | 11.2 | 9.0 |
| WNW | | 1.5 | 2.1 | .8 | .1 | | | | | | | 4.5 | 8.5 |
| NW | .4 | 2.3 | 2.5 | .8 | | | | | | | | 6.0 | 7.9 |
| NNW | .1 | .7 | 1.1 | .5 | | | | | | | | 2.5 | 8.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .8 | |
| | 2.7 | 28.9 | 47.5 | 18.1 | 2.1 | | | | | | | 100.0 | 8.3 |

TOTAL NUMBER OF OBSERVATIONS 731

USAFETAC FORM JUL 66 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 0300-0500 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 1.2 | 2.0 | .5 | | | | | | | | 3.7 | 8.1 |
| NNE | | 1.2 | .9 | .3 | | | | | | | | 2.3 | 7.1 |
| NE | .3 | 1.0 | .4 | .3 | | | | | | | | 1.9 | 6.9 |
| ENE | .3 | .9 | .5 | .1 | | | | | | | | 1.8 | 6.2 |
| E | | 1.0 | .8 | | | | | | | | | 1.8 | 6.6 |
| ESE | .1 | 1.5 | 1.2 | | | | | | | | | 2.8 | 6.0 |
| SE | .1 | 1.3 | 1.3 | .6 | .1 | | | | | | | 3.5 | 8.0 |
| SSE | | 3.5 | 6.0 | .9 | .3 | | | | | | | 10.6 | 7.9 |
| S | .9 | 3.2 | 9.9 | 2.8 | .4 | .1 | | | | | | 17.3 | 8.7 |
| SSW | .1 | 2.3 | 4.2 | 2.8 | .3 | | | | | | | 9.7 | 9.2 |
| SW | .1 | 1.3 | 3.7 | 4.0 | .1 | .1 | | | | | | 9.3 | 10.3 |
| WSW | .1 | 1.5 | 3.7 | 2.4 | .4 | | | | | | | 8.2 | 9.7 |
| W | .1 | 2.4 | 5.1 | 2.7 | | | | | | | | 10.4 | 8.8 |
| WNW | .3 | 1.4 | 3.7 | 1.4 | | | | | | | | 6.8 | 8.6 |
| NW | | 1.9 | 2.4 | .6 | | | | | | | | 5.0 | 7.6 |
| NNW | .1 | 1.0 | 1.7 | .3 | | | | | | | | 3.1 | 7.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.8 | |
| | 2.6 | 26.6 | 47.5 | 19.7 | 1.5 | .3 | | | | | | 100.0 | 8.0 |

TOTAL NUMBER OF OBSERVATIONS 781

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .2 | 1.2 | 1.7 | .6 | | | | | | | | 3.8 | 7.6 |
| NNE | .4 | .6 | .2 | .2 | | | | | | | | 1.5 | 6.3 |
| NE | .5 | .7 | .7 | .4 | | | | | | | | 2.3 | 6.7 |
| ENE | .1 | 1.0 | .4 | .2 | | | | | | | | 1.7 | 6.6 |
| E | .4 | 1.1 | .7 | .1 | | | | | | | | 2.3 | 6.0 |
| ESE | .1 | 1.1 | .7 | .1 | | | | | | | | 2.1 | 5.9 |
| SE | .5 | 1.1 | 1.8 | .2 | | .1 | | | | | | 3.8 | 7.8 |
| SSE | .6 | 1.9 | 4.5 | 2.1 | .2 | | | | | | | 9.3 | 8.4 |
| S | .7 | 4.2 | 8.7 | 5.7 | .2 | | | | | | | 19.6 | 8.9 |
| SSW | .1 | 1.5 | 4.6 | 2.2 | .1 | | | | | | | 8.5 | 9.2 |
| SW | .2 | 1.3 | 2.8 | 2.2 | .7 | | | | | | | 7.3 | 9.9 |
| WSW | .1 | 1.1 | 4.8 | 3.9 | .7 | | | | | | | 10.7 | 10.3 |
| W | .1 | 1.8 | 5.8 | 2.8 | | | | | | | | 10.5 | 8.9 |
| WNW | .2 | 1.8 | 1.6 | 1.3 | | | | | | | | 5.0 | 8.0 |
| NW | .1 | 1.6 | 2.1 | 1.7 | .2 | | | | | | | 5.7 | 9.0 |
| NNW | | .6 | 1.9 | 1.1 | .1 | | | | | | | 3.8 | 9.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.3 | |
| | 4.5 | 22.7 | 43.2 | 29.8 | 2.4 | .1 | | | | | | 100.0 | 8.5 |

TOTAL NUMBER OF OBSERVATIONS 825

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | .4 | 3.1 | 1.7 | | | | | | | | 5.3 | 9.3 |
| NNE | | .6 | .5 | .4 | | | | | | | | 1.5 | 8.1 |
| NE | | .6 | 1.1 | .6 | | | | | | | | 2.3 | 8.7 |
| ENE | | .7 | .6 | .2 | | | | | | | | 1.6 | 7.2 |
| E | .2 | 1.1 | 1.8 | .4 | | | | | | | | 3.6 | 7.2 |
| ESE | .1 | 1.0 | 2.0 | .6 | | | | | | | | 3.7 | 8.1 |
| SE | | .9 | 1.5 | .5 | | | | | | | | 2.8 | 8.3 |
| SSE | .2 | .6 | 2.9 | 2.3 | .2 | | | | | | | 6.4 | 10.2 |
| S | .1 | 1.7 | 5.0 | 7.4 | 1.2 | | | | | | | 15.4 | 11.2 |
| SSW | .1 | .1 | 2.1 | 3.8 | .6 | | | | | | | 6.7 | 12.2 |
| SW | .1 | 1.2 | 2.3 | 4.4 | .6 | | | | | | | 8.7 | 11.2 |
| WSW | | .7 | 4.4 | 5.3 | .7 | .2 | | | | | | 11.4 | 11.7 |
| W | .4 | .6 | 5.5 | 3.8 | .1 | | | | | | | 10.4 | 10.0 |
| WNW | .1 | .9 | 3.1 | 2.7 | .5 | | | | | | | 7.2 | 10.4 |
| NW | .2 | 1.2 | 2.8 | 3.9 | .4 | .1 | | | | | | 8.7 | 10.8 |
| NNW | | .2 | 1.2 | 2.0 | .1 | | | | | | | 3.6 | 10.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .7 | |
| | 1.8 | 12.6 | 40.0 | 40.0 | 4.5 | .4 | | | | | | 100.0 | 10.3 |

TOTAL NUMBER OF OBSERVATIONS 816

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .2 | 1.0 | 2.8 | 2.2 | .1 | | | | | | | 6.3 | 9.4 |
| NNE | .1 | .4 | 1.9 | .4 | | | | | | | | 2.8 | 8.1 |
| NE | | 1.5 | 1.1 | .5 | | | | | | | | 3.0 | 7.3 |
| ENE | .1 | .2 | .5 | .2 | | | | | | | | 1.1 | 8.0 |
| E | .1 | .6 | .9 | .6 | | | | | | | | 2.2 | 8.6 |
| ESE | | .7 | 1.2 | .6 | | | | | | | | 2.6 | 8.1 |
| SE | .1 | 1.1 | 1.2 | .7 | | | | | | | | 3.2 | 8.0 |
| SSE | | .2 | 1.5 | 1.7 | .1 | | | | | | | 3.5 | 10.6 |
| S | .2 | 1.2 | 4.4 | 6.5 | 1.9 | | | | | | | 14.3 | 11.7 |
| SSW | .1 | .2 | 1.7 | 5.4 | 1.2 | .1 | | | | | | 8.8 | 13.3 |
| SW | | 1.1 | 1.7 | 6.1 | .5 | .1 | | | | | | 9.5 | 11.5 |
| WSW | .2 | .4 | 2.8 | 5.1 | 1.5 | .2 | | | | | | 10.2 | 12.5 |
| W | | 1.5 | 3.4 | 7.4 | 1.0 | | | | | | | 13.3 | 11.4 |
| WNW | .1 | 1.0 | 2.2 | 3.0 | .6 | .1 | | | | | | 7.1 | 10.8 |
| NW | | .6 | 3.4 | 2.4 | .4 | | | | | | | 6.8 | 10.7 |
| NNW | | .7 | 1.8 | 1.7 | .7 | | | | | | | 5.0 | 11.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .4 | |
| | 1.5 | 12.4 | 32.5 | 44.6 | 8.0 | .6 | | | | | | 100.0 | 10.9 |

TOTAL NUMBER OF OBSERVATIONS 821

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | .7 | 4.4 | 2.8 | | | | | | | | 8.0 | 9.6 |
| NNE | | | 1.1 | 1.2 | .2 | | | | | | | 2.6 | 11.0 |
| NE | .1 | 1.3 | 1.5 | .5 | | | | | | | | 3.4 | 7.8 |
| ENE | .1 | .6 | 1.0 | | | | | | | | | 1.7 | 6.6 |
| E | | .6 | 2.0 | .4 | | | | | | | | 2.9 | 8.3 |
| ESE | .1 | 1.2 | 1.1 | .1 | | | | | | | | 2.6 | 6.7 |
| SE | | .9 | 1.6 | .5 | | | | | | | | 2.9 | 8.0 |
| SSE | .1 | .6 | 1.5 | 2.7 | | | | | | | | 4.9 | 10.8 |
| S | .1 | .5 | 3.7 | 7.2 | 1.3 | | | | | | | 12.9 | 12.2 |
| SSW | .2 | .5 | 1.3 | 5.3 | .5 | .2 | | | | | | 8.1 | 12.4 |
| SW | | 1.3 | 3.5 | 4.5 | .2 | | | | | | | 9.7 | 10.5 |
| WSW | .4 | 1.0 | 3.8 | 3.7 | .7 | .1 | | | | | | 9.7 | 10.9 |
| W | .4 | 1.0 | 3.9 | 6.6 | 1.0 | | | | | | | 12.9 | 11.5 |
| WNW | | .9 | 2.9 | 2.7 | .4 | | | | | | | 6.9 | 10.6 |
| NW | .1 | 1.0 | 1.8 | 2.2 | .7 | | | | | | | 5.9 | 10.6 |
| NNW | | .5 | 2.3 | 1.6 | .1 | | | | | | | 4.5 | 9.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .6 | |
| | 1.7 | 12.6 | 37.5 | 42.0 | 5.3 | .4 | | | | | | 100.0 | 10.5 |

TOTAL NUMBER OF OBSERVATIONS 817

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .2 | 3.7 | 2.9 | 1.0 | | | | | | | | 7.8 | 7.2 |
| NNE | | 2.8 | 1.9 | .2 | .2 | | | | | | | 5.2 | 7.3 |
| NE | .2 | 2.7 | 1.0 | | .1 | | | | | | | 4.0 | 6.1 |
| ENE | | 1.2 | .5 | | | | | | | | | 1.7 | 5.7 |
| E | .1 | 1.0 | 1.6 | .2 | | | | | | | | 2.9 | 7.5 |
| ESE | .2 | 1.8 | .7 | .4 | | | | | | | | 3.2 | 7.0 |
| SE | .2 | 2.3 | 1.7 | .4 | | | | | | | | 4.6 | 6.8 |
| SSE | .1 | 3.2 | 3.4 | 1.8 | .1 | | | | | | | 8.6 | 8.3 |
| S | .1 | 1.5 | 7.9 | 2.9 | .1 | | | | | | | 12.5 | 9.4 |
| SSW | .1 | 1.6 | 5.0 | 2.8 | .1 | | | | | | | 9.6 | 9.5 |
| SW | .1 | 3.4 | 4.3 | .9 | | | | | | | | 8.6 | 7.7 |
| WSW | .4 | 3.0 | 2.6 | 1.9 | .1 | | | | | | | 8.0 | 8.4 |
| W | .1 | 1.7 | 2.9 | 2.3 | .1 | | | | | | | 7.2 | 9.3 |
| WNW | .1 | .9 | 2.6 | 1.7 | .1 | | | | | | | 5.4 | 9.4 |
| NW | .1 | 1.9 | 2.7 | 1.1 | .1 | .1 | | | | | | 6.1 | 8.8 |
| NNW | .1 | 1.3 | 1.8 | | .1 | | | | | | | 3.4 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.0 | |
| | 2.4 | 34.0 | 43.5 | 17.7 | 1.3 | .1 | | | | | | 100.0 | 8.1 |

TOTAL NUMBER OF OBSERVATIONS 821

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .6 | 2.0 | 1.6 | .5 | .1 | | | | | | | 4.9 | 6.8 |
| NNE | .3 | 1.6 | 1.5 | .5 | .3 | | | | | | | 4.2 | 7.7 |
| NE | .3 | 2.0 | .9 | | | | | | | | | 3.2 | 5.7 |
| ENE | .1 | 1.3 | 1.0 | | | | | | | | | 2.4 | 6.1 |
| E | .5 | 1.1 | 1.0 | | | | | | | | | 2.7 | 5.8 |
| ESE | | 2.2 | 1.3 | .1 | | | | | | | | 3.5 | 6.6 |
| SE | .1 | 2.0 | 1.9 | | | | | | | | | 4.1 | 6.5 |
| SSE | .1 | 3.4 | 5.8 | 1.8 | .1 | | | | | | | 11.3 | 8.1 |
| S | .4 | 4.6 | 7.0 | 2.7 | .1 | | | | | | | 14.7 | 8.3 |
| SSW | | 1.6 | 3.8 | 4.4 | .1 | | | | | | | 10.0 | 10.2 |
| SW | | 1.4 | 4.3 | 3.0 | .5 | | | | | | | 9.3 | 10.3 |
| WSW | .3 | 2.0 | 3.5 | 1.1 | .1 | | | | | | | 7.1 | 8.1 |
| W | .3 | 1.5 | 3.2 | 2.5 | .1 | | | | | | | 7.6 | 9.5 |
| WNW | | .9 | 2.2 | 1.9 | | | | | | | | 4.9 | 9.6 |
| NW | .1 | 1.6 | 2.5 | 1.6 | .4 | | | | | | | 6.3 | 9.2 |
| NNW | .1 | 1.0 | 1.3 | .3 | | | | | | | | 2.7 | 7.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 3.2 | 30.8 | 42.8 | 20.5 | 1.9 | | | | | | | 100.0 | 8.3 |

TOTAL NUMBER OF OBSERVATIONS 789

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .2 | 1.5 | 2.6 | 1.2 | .0 | | | | | | | 5.6 | 8.2 |
| NNE | .1 | 1.0 | 1.2 | .4 | .1 | | | | | | | 2.8 | 8.0 |
| NE | .2 | 1.4 | .9 | .3 | .0 | | | | | | | 2.9 | 6.9 |
| ENE | .1 | .9 | .6 | .1 | | | | | | | | 1.7 | 6.4 |
| E | .2 | .9 | 1.2 | .2 | | | | | | | | 2.5 | 7.2 |
| ESE | .1 | 1.2 | 1.1 | .2 | | | | | | | | 2.7 | 7.0 |
| SE | .2 | 1.5 | 1.7 | .5 | .0 | .0 | | | | | | 3.8 | 7.6 |
| SSE | .2 | 2.0 | 3.9 | 1.7 | .1 | | | | | | | 8.0 | 8.6 |
| S | .4 | 2.6 | 6.9 | 4.8 | .7 | .0 | | | | | | 15.4 | 9.7 |
| SSW | .1 | 1.2 | 3.4 | 3.8 | .4 | .0 | | | | | | 9.0 | 10.6 |
| SW | .1 | 1.7 | 3.3 | 3.6 | .4 | .0 | | | | | | 9.1 | 10.2 |
| WSW | .2 | 1.5 | 3.6 | 3.2 | .6 | .1 | | | | | | 9.1 | 10.3 |
| W | .2 | 1.6 | 4.5 | 3.9 | .3 | | | | | | | 10.4 | 9.9 |
| WNW | .1 | 1.1 | 2.5 | 2.0 | .2 | .0 | | | | | | 6.0 | 9.6 |
| NW | .1 | 1.5 | 2.5 | 1.8 | .3 | .0 | | | | | | 6.3 | 9.4 |
| NNW | .1 | .8 | 1.7 | .9 | .2 | | | | | | | 3.6 | 9.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 2.5 | 22.4 | 41.7 | 28.6 | 3.4 | .2 | | | | | | 100.0 | 9.2 |

TOTAL NUMBER OF OBSERVATIONS 6901

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-80 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 1.4 | 1.3 | .1 | .1 | | | | | | | 3.0 | 7.4 |
| NNE | | .3 | .7 | .3 | | | | | | | | 1.3 | 9.2 |
| NE | | .6 | .4 | .1 | | | | | | | | 1.1 | 7.5 |
| ENE | | .3 | .7 | | | | | | | | | 1.0 | 7.3 |
| E | | .8 | 1.3 | .6 | .1 | | | | | | | 2.8 | 8.6 |
| ESE | | .8 | .7 | .3 | | | | | | | | 1.8 | 7.9 |
| SE | | .3 | 1.8 | 1.0 | .4 | | | | | | | 3.5 | 10.7 |
| SSE | | 1.4 | 2.3 | .8 | .1 | | | | | | | 5.0 | 8.7 |
| S | .1 | 3.4 | 6.5 | 5.4 | 1.4 | | | | | | | 16.8 | 10.1 |
| SSW | .1 | 2.3 | 4.8 | 3.8 | 1.1 | | | | | | | 11.9 | 10.1 |
| SW | .1 | 2.0 | 4.0 | 4.4 | 1.3 | | | | | | | 11.7 | 10.9 |
| WSW | | 1.7 | 5.4 | 5.1 | 1.1 | | | | | | | 13.3 | 11.1 |
| W | .4 | 2.5 | 5.8 | 3.7 | .1 | | | | | | | 12.6 | 9.3 |
| WNW | .1 | 1.7 | 3.1 | 1.8 | .1 | | | | | | | 6.9 | 9.5 |
| NW | | 1.0 | .7 | 1.4 | .1 | | | | | | | 3.3 | 9.9 |
| NNW | | .8 | 1.0 | .6 | .1 | | | | | | | 2.5 | 8.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.4 | |
| | 1.0 | 21.8 | 48.7 | 29.1 | 6.8 | | | | | | | 100.0 | 9.7 |

TOTAL NUMBER OF OBSERVATIONS 787

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.0 | .8 | .7 | | | | | | | | 2.6 | 8.0 |
| NNE | | .4 | 1.1 | .1 | | | | | | | | 1.6 | 8.1 |
| NE | .1 | .4 | .3 | | | | | | | | | .8 | 5.7 |
| ENE | .1 | .5 | .1 | | | | | | | | | .8 | 5.2 |
| E | | 1.0 | 1.2 | .3 | | | | | | | | 2.5 | 7.7 |
| ESE | .1 | .7 | 1.5 | .8 | | | | | | | | 3.1 | 8.7 |
| SE | | .8 | 1.9 | .7 | | | | | | | | 3.4 | 8.7 |
| SSE | | 1.0 | 2.9 | 1.4 | | | | | | | | 5.2 | 9.1 |
| S | .3 | 2.9 | 6.4 | 5.3 | 1.2 | | | | | | | 16.1 | 10.1 |
| SSW | | 2.5 | 4.2 | 3.5 | 1.2 | .3 | | | | | | 11.7 | 10.6 |
| SW | .1 | 1.8 | 6.1 | 4.2 | 1.0 | | | | | | | 13.2 | 10.6 |
| WSW | .4 | 1.9 | 4.2 | 3.7 | 1.1 | | | | | | | 11.3 | 10.5 |
| W | .1 | 3.0 | 6.0 | 3.0 | .1 | | | | | | | 12.3 | 8.7 |
| WNW | | 1.2 | 1.9 | 2.9 | .3 | | | | | | | 6.3 | 10.5 |
| NW | .1 | 1.6 | 2.3 | 1.2 | .3 | | | | | | | 5.6 | 9.0 |
| NNW | | .1 | 1.0 | .5 | | | | | | | | 1.6 | 9.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.8 | |
| | 1.6 | 20.7 | 42.0 | 28.9 | 5.2 | .3 | | | | | | 100.0 | 9.5 |

TOTAL NUMBER OF OBSERVATIONS 733

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .5 | .8 | 1.4 | .3 | | | | | | | | 2.9 | 7.0 |
| NNE | .1 | .4 | .4 | .1 | | | | | | | | 1.0 | 6.8 |
| NE | .3 | .5 | .6 | .1 | .3 | | | | | | | 1.8 | 8.4 |
| ENE | .1 | .9 | .5 | | | | | | | | | 1.5 | 5.6 |
| E | .1 | .1 | .6 | .4 | | | | | | | | 1.3 | 9.0 |
| ESE | | .8 | .8 | .3 | | | | | | | | 1.8 | 7.5 |
| SE | | 1.5 | 2.1 | 1.4 | .3 | | | | | | | 5.3 | 9.2 |
| SSE | | 1.5 | 2.1 | 1.4 | .6 | .1 | | | | | | 5.8 | 10.0 |
| S | .5 | 3.4 | 8.1 | 5.8 | .5 | .5 | | | | | | 18.8 | 9.7 |
| SSW | .9 | 1.3 | 4.0 | 2.4 | 1.1 | .5 | .1 | | | | | 9.8 | 11.2 |
| SW | .3 | 1.5 | 4.2 | 4.2 | 1.1 | .6 | | | | | | 11.8 | 11.8 |
| WSW | | 2.5 | 4.5 | 3.5 | .9 | .1 | | | | | | 11.6 | 10.0 |
| W | .4 | 2.0 | 5.2 | 3.8 | .3 | | | | | | | 11.6 | 9.4 |
| WNW | | 1.4 | 3.4 | 2.5 | .5 | | | | | | | 7.8 | 10.0 |
| NW | .1 | .5 | 1.9 | .8 | .4 | | | | | | | 3.7 | 9.7 |
| NNW | | .6 | .5 | .9 | | | | | | | | 2.0 | 9.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.6 | |
| | 2.8 | 19.6 | 40.3 | 27.7 | 5.9 | 1.9 | .1 | | | | | 100.0 | 9.7 |

TOTAL NUMBER OF OBSERVATIONS 794

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .2 | 1.0 | 1.0 | .7 | | | | | | | | 3.0 | 7.8 |
| NNE | | .6 | 1.1 | .1 | | | | | | | | 1.9 | 7.1 |
| NE | | .7 | 1.0 | .1 | | | | | | | | 1.9 | 7.4 |
| ENE | | .4 | .5 | .2 | | | | | | | | 1.1 | 8.4 |
| E | | .6 | .6 | .7 | | | | | | | | 2.0 | 8.8 |
| ESE | | .6 | 1.9 | .5 | .1 | | | | | | | 3.1 | 8.5 |
| SE | .4 | .7 | .9 | 1.0 | .4 | | | | | | | 3.4 | 9.4 |
| SSE | | .5 | 1.7 | 3.7 | .4 | | | | | | | 6.4 | 11.5 |
| S | .1 | 1.9 | 4.7 | 6.0 | 1.4 | .2 | | | | | | 14.3 | 11.1 |
| SSW | .1 | 1.0 | 3.5 | 4.0 | 1.4 | .5 | | | | | | 10.5 | 12.0 |
| SW | | 1.5 | 3.1 | 6.0 | 2.4 | .4 | | | | | | 13.3 | 12.8 |
| WSW | | 1.4 | 3.1 | 4.2 | 1.7 | .6 | .4 | | | | | 11.5 | 12.9 |
| W | | 1.5 | 4.4 | 5.8 | .5 | | | | | | | 11.8 | 10.8 |
| WNW | | 1.4 | 2.2 | 2.7 | .5 | | | | | | | 6.9 | 10.7 |
| NW | .2 | .6 | 1.9 | 2.0 | .5 | | | | | | | 5.2 | 10.2 |
| NNW | .1 | .7 | 1.0 | .6 | .1 | | | | | | | 2.6 | 8.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 1.2 | 15.2 | 32.7 | 38.3 | 9.4 | 1.7 | .4 | | | | | 100.0 | 10.9 |

TOTAL NUMBER OF OBSERVATIONS 802

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .4 | .9 | 1.5 | 1.1 | .1 | | | | | | | 4.0 | 9.2 |
| NNE | .1 | | 1.1 | .6 | | | | | | | | 1.9 | 8.7 |
| NE | | .6 | 1.3 | .5 | | | | | | | | 2.4 | 8.3 |
| ENE | | .4 | .3 | .5 | | | | | | | | 1.1 | 8.3 |
| E | .4 | .1 | 1.0 | .1 | | | | | | | | 1.6 | 7.2 |
| ESE | | .5 | .9 | .4 | | | | | | | | 1.8 | 8.1 |
| SE | | .6 | .8 | 1.0 | | | | | | | | 2.4 | 9.6 |
| SSE | | .8 | 1.9 | 1.8 | .9 | .1 | | | | | | 4.9 | 11.0 |
| S | .4 | .9 | 2.8 | 7.5 | 2.0 | .3 | | | | | | 13.8 | 12.9 |
| SSW | .1 | | 1.8 | 4.7 | 2.3 | .3 | | | | | | 9.1 | 14.0 |
| SW | .1 | .8 | 2.1 | 5.2 | 2.7 | .4 | | | | | | 11.3 | 13.5 |
| WSW | .3 | .8 | 3.9 | 6.6 | 1.8 | .9 | .3 | | | | | 14.4 | 13.0 |
| W | .1 | 1.5 | 5.9 | 8.3 | 1.3 | .1 | | | | | | 16.8 | 11.5 |
| WNW | .3 | .3 | 1.5 | 1.9 | .6 | | | | | | | 4.6 | 11.9 |
| NW | | .5 | 2.0 | 2.9 | .8 | | | | | | | 6.2 | 11.5 |
| NNW | .1 | 1.1 | .8 | .9 | .1 | | | | | | | 3.0 | 8.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 2.3 | 9.7 | 28.6 | 44.0 | 12.0 | 2.0 | .3 | | | | | 100.0 | 11.6 |

TOTAL NUMBER OF OBSERVATIONS 791

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.5 | 1.6 | 1.3 | | | | | | | | 4.6 | 8.5 |
| NNE | .1 | .3 | 1.5 | .4 | | | | | | | | 2.3 | 8.0 |
| NE | | 1.0 | .8 | .4 | | | | | | | | 2.1 | 7.5 |
| ENE | .1 | .5 | .8 | .3 | | | | | | | | 1.6 | 7.5 |
| E | .4 | .5 | 1.5 | .4 | | | | | | | | 2.8 | 7.1 |
| ESE | .1 | .8 | .8 | .4 | | | | | | | | 2.0 | 7.8 |
| SE | .1 | .4 | .8 | .8 | .1 | | | | | | | 2.1 | 10.0 |
| SSE | .1 | .4 | 1.4 | 1.8 | .1 | | | | | | | 3.8 | 10.5 |
| S | .1 | .8 | 3.8 | 7.6 | 1.9 | .4 | | | | | | 14.5 | 12.6 |
| SSW | | .1 | 2.5 | 3.9 | 2.4 | | | | | | | 9.0 | 13.4 |
| SW | | .8 | 2.3 | 5.6 | .9 | | | | | | | 9.5 | 12.1 |
| WSW | .1 | 1.4 | 2.8 | 7.0 | 1.6 | .3 | | | | | | 13.1 | 12.2 |
| W | .3 | 1.8 | 5.8 | 7.8 | .9 | .1 | | | | | | 16.7 | 10.9 |
| WNW | .1 | 1.9 | 2.1 | 2.3 | .4 | | | | | | | 6.8 | 9.7 |
| NW | .4 | 1.3 | 2.9 | 1.6 | .3 | | | | | | | 6.4 | 9.1 |
| NNW | | .3 | 1.3 | 1.0 | | | | | | | | 2.5 | 9.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | | |
| | 2.1 | 13.5 | 32.6 | 42.8 | 8.6 | .8 | | | | | | 100.0 | 10.9 |

TOTAL NUMBER OF OBSERVATIONS 791

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.4 | 1.8 | .1 | | | | | | | | 3.4 | 7.1 |
| NNE | .3 | 2.3 | 1.0 | .5 | .1 | | | | | | | 4.2 | 7.1 |
| NE | .3 | 1.0 | .5 | .4 | | | | | | | | 2.1 | 6.9 |
| ENE | | .1 | 1.1 | | | | | | | | | 1.3 | 8.3 |
| E | .1 | .8 | 1.6 | .1 | | | | | | | | 2.6 | 7.5 |
| ESE | .3 | 1.3 | 1.0 | .3 | | | | | | | | 2.8 | 6.8 |
| SE | | 2.0 | 1.9 | .1 | | | | | | | | 4.0 | 6.8 |
| SSE | .1 | .9 | 1.9 | 1.4 | .3 | | | | | | | 4.5 | 9.7 |
| S | | 1.6 | 6.9 | 5.5 | 1.1 | .1 | | | | | | 14.9 | 10.8 |
| SSW | .1 | .9 | 2.9 | 3.2 | 1.0 | | | | | | | 8.1 | 11.2 |
| SW | .3 | 3.2 | 4.2 | 3.8 | .6 | | | | | | | 12.0 | 9.6 |
| WSW | .4 | 2.8 | 4.2 | 4.2 | .8 | .3 | | | | | | 12.5 | 10.2 |
| W | .4 | 2.4 | 4.8 | 4.8 | .5 | | | | | | | 12.9 | 9.7 |
| WNW | | 1.8 | 1.4 | 2.0 | | | | | | | | 5.2 | 9.0 |
| NW | .3 | 1.4 | .8 | 1.1 | | | | | | | | 3.5 | 8.1 |
| NNW | .3 | 1.4 | 1.3 | .9 | .1 | | | | | | | 3.4 | 7.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.6 | |
| | 2.8 | 25.1 | 36.7 | 27.9 | 4.5 | .9 | | | | | | 100.0 | 9.1 |

TOTAL NUMBER OF OBSERVATIONS 793

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

ALL WEATHER (CLASS) 2100-2300 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 2.3 | 1.1 | .5 | | | | | | | | 3.9 | 7.2 |
| NNE | .1 | 1.3 | .4 | .8 | | | | | | | | 2.5 | 7.7 |
| NE | .1 | .5 | .1 | .3 | | | | | | | | 1.0 | 6.5 |
| ENE | .1 | 1.3 | .5 | .3 | | | | | | | | 2.1 | 6.3 |
| E | | .5 | 2.0 | .4 | .1 | | | | | | | 3.0 | 9.1 |
| ESE | | .3 | 1.5 | .4 | | | | | | | | 2.1 | 8.2 |
| SE | | .8 | 1.6 | 1.0 | .1 | | | | | | | 3.5 | 9.6 |
| SSE | .3 | 1.3 | 2.1 | .9 | .4 | | | | | | | 4.9 | 8.8 |
| S | .6 | 2.9 | 6.3 | 4.7 | .8 | | | | | | | 15.3 | 9.6 |
| SSW | .1 | 2.1 | 3.4 | 2.7 | 1.1 | | | | | | | 9.5 | 10.5 |
| SW | | 2.1 | 5.1 | 4.4 | 1.1 | | | | | | | 12.8 | 10.6 |
| WSW | .1 | 2.5 | 4.2 | 3.9 | .9 | .1 | | | | | | 11.8 | 10.5 |
| W | .3 | 1.9 | 5.4 | 4.8 | .3 | | | | | | | 12.6 | 10.0 |
| WNW | | 1.6 | 2.0 | 2.0 | .3 | | | | | | | 5.9 | 9.8 |
| NW | .1 | .9 | 1.1 | 1.0 | .1 | | | | | | | 3.3 | 9.7 |
| NNW | .1 | 1.0 | 1.3 | | .3 | | | | | | | 2.7 | 8.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.9 | |
| | 2.0 | 23.3 | 38.3 | 27.9 | 5.4 | .1 | | | | | | 100.0 | 9.3 |

TOTAL NUMBER OF OBSERVATIONS 791

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .2 | 1.3 | 1.3 | .6 | .0 | | | | | | | 3.4 | 7.8 |
| NNE | .1 | .7 | .9 | .4 | .0 | | | | | | | 2.1 | 7.7 |
| NE | .1 | .7 | .6 | .2 | .0 | | | | | | | 1.7 | 7.5 |
| ENE | .1 | .5 | .6 | .2 | | | | | | | | 1.3 | 7.1 |
| E | .1 | .5 | 1.2 | .4 | .0 | | | | | | | 2.3 | 8.1 |
| ESE | .1 | .7 | 1.1 | .4 | .0 | | | | | | | 2.3 | 7.9 |
| SE | .1 | .9 | 1.5 | .9 | .2 | | | | | | | 3.5 | 9.1 |
| SSE | .1 | 1.0 | 2.0 | 1.7 | .3 | .0 | | | | | | 5.0 | 10.0 |
| S | .3 | 2.2 | 5.6 | 6.0 | 1.3 | .2 | | | | | | 15.5 | 10.8 |
| SSW | .1 | 1.2 | 3.4 | 3.5 | 1.5 | .2 | .0 | | | | | 9.9 | 11.6 |
| SW | .1 | 1.7 | 3.9 | 4.7 | 1.4 | .2 | | | | | | 11.9 | 11.4 |
| WSW | .2 | 1.9 | 4.0 | 4.8 | 1.2 | .3 | .1 | | | | | 12.4 | 11.3 |
| W | .2 | 2.1 | 5.3 | 5.3 | .5 | .0 | | | | | | 13.4 | 10.2 |
| WNW | .1 | 1.4 | 2.2 | 2.3 | .3 | | | | | | | 6.3 | 10.1 |
| NW | .2 | 1.0 | 1.7 | 1.5 | .3 | | | | | | | 4.7 | 9.8 |
| NNW | .1 | .8 | 1.0 | .6 | .1 | | | | | | | 2.6 | 8.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.6 | |
| | 2.0 | 18.5 | 36.4 | 33.3 | 7.2 | .9 | .1 | | | | | 100.0 | 10.1 |

TOTAL NUMBER OF OBSERVATIONS 6202

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-80 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 1.0 | 1.4 | 1.5 | .3 | | | | | | | 4.1 | 9.9 |
| NNE | .3 | .8 | 1.0 | .8 | .1 | | | | | | | 3.0 | 8.7 |
| NE | | .3 | .4 | .1 | | | | | | | | .8 | 8.2 |
| ENE | | 1.0 | .4 | .4 | | | | | | | | 1.8 | 7.9 |
| E | | .6 | 1.4 | .3 | | | | | | | | 2.2 | 8.6 |
| ESE | | .4 | 1.5 | .8 | | | | | | | | 2.8 | 10.0 |
| SE | | 1.1 | 2.1 | .6 | | | | | | | | 3.7 | 8.2 |
| SSE | | 1.4 | 2.9 | 1.5 | .1 | | | | | | | 5.9 | 8.9 |
| S | | 1.5 | 4.0 | 5.9 | .6 | | | | | | | 12.0 | 11.0 |
| SSW | | 1.8 | 4.0 | 4.8 | 1.1 | .7 | | | | | | 12.4 | 12.0 |
| SW | .1 | 1.7 | 5.2 | 3.9 | 2.5 | | | | | | | 13.3 | 11.5 |
| WSW | .1 | 1.0 | 4.8 | 4.8 | 1.4 | .1 | | | | | | 12.2 | 11.7 |
| W | | 1.5 | 3.2 | 5.0 | .6 | | | | | | | 10.2 | 11.1 |
| WNW | | 1.4 | 2.9 | 2.5 | .6 | | | | | | | 7.3 | 10.1 |
| NW | .3 | .6 | 1.5 | 1.5 | .4 | | | | | | | 4.3 | 10.6 |
| NNW | | .1 | 1.2 | 1.1 | | | | | | | | 2.5 | 10.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.5 | |
| | .8 | 16.0 | 37.8 | 35.5 | 7.6 | .8 | | | | | | 100.0 | 10.5 |

TOTAL NUMBER OF OBSERVATIONS 727

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

0300-0600 (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 | 1.3 | 1.0 | .1 | | | | | | | 3.8 | 9.0 |
| NNE | .1 | .4 | 1.4 | 1.0 | .3 | | | | | | | 3.3 | 10.2 |
| NE | | .8 | .8 | | | | | | | | | 1.6 | 7.1 |
| ENE | | .4 | .5 | .1 | .1 | | | | | | | 1.2 | 8.6 |
| E | | 1.4 | .9 | .5 | | | | | | | | 2.9 | 7.5 |
| ESE | | .3 | 1.3 | .5 | | | | | | | | 2.1 | 9.1 |
| SE | | .7 | 1.2 | 1.2 | .1 | | | | | | | 3.1 | 10.0 |
| SSE | | 1.7 | 3.7 | 1.6 | | | | | | | | 6.9 | 8.9 |
| S | .3 | 3.1 | 5.1 | 3.9 | .8 | | | | | | | 13.2 | 9.6 |
| SSW | | 1.0 | 3.4 | 5.6 | 1.2 | .3 | | | | | | 11.5 | 12.3 |
| SW | .1 | 1.0 | 3.9 | 4.6 | 2.1 | .3 | | | | | | 12.0 | 12.3 |
| WSW | | .5 | 3.8 | 5.0 | .8 | .3 | | | | | | 10.3 | 12.1 |
| W | | 2.6 | 5.2 | 4.7 | .9 | .3 | | | | | | 13.2 | 10.3 |
| WNW | .3 | 1.2 | 2.5 | 2.0 | .1 | | | | | | | 6.0 | 9.3 |
| NW | .1 | .5 | 2.2 | 1.4 | .4 | | | | | | | 4.7 | 10.4 |
| NNW | | .5 | 1.3 | .3 | .1 | | | | | | | 2.2 | 8.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.0 | |
| | 1.0 | 17.9 | 38.6 | 33.5 | 6.5 | 1.0 | | | | | | 100.0 | 10.2 |

TOTAL NUMBER OF OBSERVATIONS 765

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 0600-0800 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .6 | .7 | 2.3 | 1.3 | .2 | | | | | | | 5.2 | 8.8 |
| NNE | | .4 | .9 | .1 | | | | | | | | 1.3 | 8.5 |
| NE | .1 | .9 | 1.0 | .4 | .2 | | | | | | | 2.6 | 8.6 |
| ENE | .1 | .6 | .9 | .4 | | | | | | | | 1.9 | 7.9 |
| E | | .4 | .9 | .4 | | | | | | | | 1.6 | 8.2 |
| ESE | | .4 | .6 | .1 | | | | | | | | 1.1 | 7.9 |
| SE | | 1.1 | 1.5 | 1.7 | | | | | | | | 4.3 | 9.5 |
| SSE | .1 | 1.2 | 3.4 | 2.3 | .1 | | | | | | | 7.2 | 9.6 |
| S | .5 | 2.1 | 7.7 | 8.3 | .7 | .2 | | | | | | 19.4 | 10.4 |
| SSW | | 1.2 | 2.7 | 4.5 | 1.0 | .7 | | | | | | 10.1 | 12.5 |
| SW | | .5 | 3.4 | 3.3 | 1.2 | .1 | | | | | | 8.5 | 11.9 |
| WSW | | 1.5 | 3.9 | 4.4 | 1.0 | | .1 | | | | | 10.8 | 11.2 |
| W | .1 | 1.5 | 4.1 | 3.0 | 1.1 | .1 | .2 | | | | | 10.2 | 11.1 |
| WNW | .2 | 1.5 | 2.4 | 1.6 | .2 | | | | | | | 6.0 | 9.3 |
| NW | .1 | 1.5 | 1.2 | 2.7 | .5 | | | | | | | 6.0 | 10.6 |
| NNW | | .2 | .9 | .5 | .2 | | | | | | | 1.8 | 10.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 2.1 | |
| | 1.9 | 15.4 | 37.5 | 34.9 | 6.6 | 1.2 | .4 | | | | | 100.0 | 10.3 |

TOTAL NUMBER OF OBSERVATIONS 823

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 0900-1100 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .2 | .7 | 1.6 | 1.3 | .6 | .1 | | | | | | 4.6 | 10.8 |
| NNE | .1 | .6 | .9 | .2 | | | | | | | | 1.8 | 8.1 |
| NE | .1 | 1.1 | .4 | .4 | | | | | | | | 2.0 | 7.1 |
| ENE | | .5 | 1.3 | .2 | .2 | | | | | | | 2.3 | 9.3 |
| E | | .6 | 1.0 | .1 | | | | | | | | 1.7 | 7.6 |
| ESE | | .5 | .4 | .4 | | | | | | | | 1.2 | 8.2 |
| SE | .1 | .2 | 1.2 | .6 | | | | | | | | 2.2 | 8.4 |
| SSE | .1 | .2 | 3.0 | 3.8 | .1 | | | | | | | 7.1 | 10.6 |
| S | | 2.1 | 5.5 | 9.0 | 1.6 | .2 | | | | | | 18.4 | 11.4 |
| SSW | .2 | .4 | 2.3 | 5.0 | 2.0 | .7 | | | | | | 10.6 | 13.7 |
| SW | .1 | 1.1 | 2.6 | 5.7 | 1.5 | .2 | .2 | | | | | 11.5 | 12.2 |
| WSW | | .9 | 2.6 | 5.1 | 1.5 | | | | | | | 10.0 | 12.1 |
| W | .1 | .6 | 5.1 | 3.4 | 1.7 | .2 | | | | | | 11.2 | 11.8 |
| WNW | .1 | 1.5 | 1.3 | 2.6 | .5 | | | | | | | 6.0 | 10.4 |
| NW | | .5 | 1.7 | 2.1 | .9 | | | | | | | 5.1 | 11.7 |
| NNW | .1 | .7 | .6 | .7 | .1 | | | | | | | 2.3 | 8.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | X | X | X | X | X | X | X | X | X | X | X | 2.0 | |
| | 1.5 | 12.2 | 31.5 | 50.5 | 10.6 | 1.4 | .2 | | | | | 100.0 | 11.1 |

TOTAL NUMBER OF OBSERVATIONS 820

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | .7 | 1.1 | 2.1 | .5 | | | | | | | 4.5 | 11.3 |
| NNE | | .1 | .9 | .1 | | | | | | | | 1.1 | 7.6 |
| NE | .1 | .6 | 1.2 | .5 | | | | | | | | 2.4 | 7.9 |
| ENE | | .7 | .7 | .1 | | | | | | | | 1.6 | 6.8 |
| E | | .4 | 1.1 | .2 | | | | | | | | 1.7 | 8.3 |
| ESE | .1 | .4 | .9 | .5 | | | | | | | | 1.8 | 8.6 |
| SE | | .2 | 1.5 | 1.1 | .2 | | | | | | | 3.1 | 10.6 |
| SSE | .1 | .6 | 2.1 | 1.1 | .2 | | | | | | | 4.2 | 9.6 |
| S | | .9 | 4.3 | 7.2 | 2.2 | .5 | | | | | | 15.0 | 12.6 |
| SSW | .1 | .6 | 2.1 | 6.1 | 2.1 | 1.0 | | | | | | 12.0 | 14.1 |
| SW | .4 | .9 | 1.6 | 5.4 | 2.6 | .7 | | | | | | 11.5 | 13.5 |
| WSW | .2 | 1.0 | 4.3 | 5.1 | 1.1 | .4 | .1 | | | | | 12.2 | 11.9 |
| W | .1 | 1.6 | 3.3 | 5.5 | 1.5 | .6 | .1 | | | | | 12.7 | 12.3 |
| WNW | | .4 | 1.8 | 3.3 | 1.0 | | | | | | | 6.5 | 12.4 |
| NW | | .2 | 2.0 | 2.8 | .5 | | | | | | | 5.5 | 11.5 |
| NNW | .1 | .5 | 1.2 | 1.2 | .6 | | | | | | | 3.7 | 10.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | .6 | |
| | 1.5 | 9.8 | 29.9 | 42.4 | 12.5 | 3.2 | .2 | | | | | 100.0 | 11.9 |

TOTAL NUMBER OF OBSERVATIONS 819

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .1 | 1.7 | 1.7 | 3.0 | .1 | | | | | | | 6.6 | 9.9 |
| NNE | | .5 | 1.1 | .6 | | | | | | | | 2.2 | 8.6 |
| NE | | .4 | 1.1 | | | | | | | | | 1.5 | 7.3 |
| ENE | | .9 | .7 | | | | | | | | | 1.6 | 6.8 |
| E | .1 | 1.1 | .7 | .4 | | | | | | | | 2.3 | 7.2 |
| ESE | .1 | .6 | .7 | .2 | | | | | | | | 1.7 | 7.6 |
| SE | .1 | .4 | 1.8 | 1.0 | .2 | | | | | | | 3.6 | 9.8 |
| SSE | | .6 | 1.5 | 1.4 | .1 | | | | | | | 3.6 | 10.1 |
| S | | 1.9 | 4.4 | 7.9 | 2.8 | .4 | | | | | | 16.5 | 12.8 |
| SSW | | .4 | 2.0 | 3.9 | 2.2 | .4 | .1 | | | | | 9.0 | 14.1 |
| SW | .1 | .9 | 3.7 | 4.3 | 3.3 | | | | | | | 12.3 | 12.6 |
| WSW | .2 | 1.4 | 3.8 | 3.7 | 1.5 | .2 | .1 | | | | | 10.9 | 11.7 |
| W | | 2.1 | 3.4 | 5.2 | 1.8 | .4 | | | | | | 12.4 | 11.6 |
| WNW | .2 | 1.0 | 1.7 | 2.1 | .8 | | | | | | | 5.4 | 10.3 |
| NW | | 1.1 | 2.1 | 1.5 | .5 | | | | | | | 5.2 | 10.3 |
| NNW | | .6 | .5 | 2.2 | .6 | | | | | | | 3.9 | 12.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.2 | |
| | 1.1 | 19.5 | 31.1 | 37.3 | 13.2 | 1.4 | .2 | | | | | 100.0 | 11.3 |

TOTAL NUMBER OF OBSERVATIONS 813

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS) 1800-2000 (HOURS (L.S.T.))

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | 1.0 | 1.7 | 1.7 | 1.8 | .1 | | | | | | | 6.4 | 8.1 |
| NNE | | .5 | .4 | .5 | | | | | | | | 1.4 | 8.9 |
| NE | .4 | .7 | .6 | | | | | | | | | 1.7 | 5.5 |
| ENE | | 1.2 | 1.0 | .1 | | | | | | | | 2.3 | 6.9 |
| E | | 1.0 | 1.2 | .2 | | | | | | | | 2.5 | 7.7 |
| ESE | .1 | .1 | 1.8 | .2 | | | | | | | | 2.3 | 7.7 |
| SE | | .7 | .7 | .9 | | | | | | | | 2.3 | 9.2 |
| SSE | .1 | 1.1 | 2.6 | 1.0 | .1 | | | | | | | 4.9 | 9.0 |
| S | | 1.5 | 4.3 | 8.1 | 2.7 | | | | | | | 16.6 | 12.2 |
| SSW | .1 | .4 | 2.6 | 6.0 | 1.5 | | | | | | | 10.6 | 12.6 |
| SW | .4 | 1.2 | 3.2 | 3.7 | 1.0 | .1 | | | | | | 9.6 | 11.3 |
| WSW | | 3.0 | 4.9 | 4.6 | 1.1 | .2 | .1 | | | | | 13.9 | 10.7 |
| W | .5 | 1.7 | 2.8 | 3.2 | .9 | .2 | | | | | | 9.4 | 10.5 |
| WNW | .1 | 1.0 | .9 | 1.7 | .4 | | | | | | | 4.1 | 10.6 |
| NW | | 1.0 | 1.4 | 2.5 | .5 | .1 | | | | | | 5.4 | 11.6 |
| NNW | .1 | .6 | 1.0 | 1.4 | .2 | | | | | | | 3.3 | 10.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.2 | |
| | 2.8 | 17.5 | 31.2 | 36.0 | 8.5 | .7 | .1 | | | | | 100.0 | 10.2 |

TOTAL NUMBER OF OBSERVATIONS 812

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | | 1.4 | 1.7 | 2.1 | | | | | | | | 5.2 | 9.4 |
| NNE | .2 | 1.0 | .2 | .4 | | | | | | | | 1.8 | 6.8 |
| NE | | .9 | .1 | | | | | | | | | 1.0 | 5.1 |
| ENE | | 1.0 | .9 | | | | | | | | | 1.8 | 6.6 |
| E | | .7 | 2.3 | .2 | | | | | | | | 3.3 | 7.9 |
| ESE | .1 | .6 | 1.0 | .7 | | | | | | | | 2.5 | 8.8 |
| SE | .4 | 1.0 | 1.6 | .7 | | | | | | | | 3.7 | 8.0 |
| SSE | | 1.0 | 2.6 | .9 | | | | | | | | 4.4 | 8.8 |
| S | .4 | 1.6 | 5.0 | 7.4 | 1.7 | .2 | | | | | | 16.4 | 11.8 |
| SSW | .5 | 1.6 | 3.3 | 4.6 | 1.8 | .2 | | | | | | 11.7 | 11.6 |
| SW | | 1.6 | 3.0 | 3.9 | .7 | | | | | | | 9.2 | 11.2 |
| WSW | .1 | 1.5 | 4.4 | 4.4 | 1.4 | .1 | | | | | | 11.9 | 11.3 |
| W | .1 | 1.8 | 3.2 | 5.4 | .5 | | | | | | | 11.1 | 10.9 |
| WNW | .1 | .6 | 2.5 | 1.8 | .2 | .1 | | | | | | 5.4 | 10.8 |
| NW | .1 | .5 | 1.7 | 2.7 | .4 | .1 | | | | | | 5.5 | 11.8 |
| NNW | | .2 | 1.2 | 2.7 | .1 | | | | | | | 3.8 | 11.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.2 | |
| | 2.1 | 17.0 | 39.8 | 37.5 | 6.5 | .9 | | | | | | 100.0 | 10.5 |

TOTAL NUMBER OF OBSERVATIONS 813

USAFETAC FORM JUL 64 0-8-3 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

ALL WEATHER (CLASS)

(CONDITION)

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

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .3 | 1.1 | 1.6 | 1.8 | .3 | .0 | | | | | | 5.1 | 9.6 |
| NNE | .1 | .5 | .8 | .5 | .0 | | | | | | | 2.0 | 8.6 |
| NE | .1 | .7 | .7 | .2 | .0 | | | | | | | 1.7 | 7.3 |
| ENE | .0 | .8 | .8 | .2 | .0 | | | | | | | 1.8 | 7.6 |
| E | .0 | .8 | 1.2 | .3 | | | | | | | | 2.3 | 7.8 |
| ESE | .1 | .4 | 1.0 | .4 | | | | | | | | 1.9 | 8.6 |
| SE | .1 | .7 | 1.4 | 1.0 | .1 | | | | | | | 3.2 | 9.2 |
| SSE | .1 | 1.0 | 2.7 | 1.7 | .1 | | | | | | | 5.5 | 9.5 |
| S | .1 | 1.7 | 5.1 | 7.3 | 1.7 | .2 | | | | | | 16.0 | 11.5 |
| SSW | .1 | .9 | 2.8 | 5.1 | 1.6 | .5 | .0 | | | | | 11.0 | 12.8 |
| SW | .2 | 1.1 | 3.3 | 4.3 | 1.8 | .2 | .0 | | | | | 11.0 | 12.1 |
| WSW | .1 | 1.3 | 4.1 | 4.6 | 1.2 | .2 | .1 | | | | | 11.5 | 11.5 |
| W | .1 | 1.7 | 3.8 | 4.4 | 1.0 | .2 | .0 | | | | | 11.3 | 11.2 |
| WNW | .1 | 1.0 | 2.0 | 2.2 | .4 | .0 | | | | | | 5.8 | 10.4 |
| NW | .1 | .7 | 1.7 | 2.2 | .5 | .0 | | | | | | 5.2 | 11.1 |
| NNW | .0 | .5 | 1.0 | 1.2 | .3 | | | | | | | 3.0 | 10.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.7 | |
| | 1.6 | 19.9 | 39.0 | 37.2 | 9.0 | 1.4 | .2 | | | | | 100.0 | 10.8 |

TOTAL NUMBER OF OBSERVATIONS 6392

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) ALL (MONTH)

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

(CONDITION)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| N | .2 | 1.7 | 2.6 | 1.5 | .2 | .0 | | | | | | 6.2 | 8.8 |
| NNE | .1 | 1.3 | 1.5 | .8 | .1 | .0 | .0 | | | | | 3.8 | 8.2 |
| NE | .2 | 1.3 | 1.2 | .5 | .0 | .0 | | | | | | 3.2 | 7.5 |
| ENE | .1 | 1.0 | .9 | .3 | .0 | | | | | | | 2.2 | 7.2 |
| E | .1 | 1.0 | 1.3 | .4 | .0 | | | | | | | 2.9 | 7.6 |
| ESE | .1 | .9 | 1.1 | .4 | .0 | | | | | | | 2.6 | 7.7 |
| SE | .1 | 1.3 | 1.7 | .9 | .1 | .0 | | | | | | 4.1 | 8.3 |
| SSE | .2 | 1.8 | 2.7 | 1.5 | .2 | .0 | .0 | | | | | 6.4 | 8.9 |
| S | .3 | 2.6 | 5.0 | 4.3 | .8 | .1 | .0 | | | | | 13.4 | 10.0 |
| SSW | .1 | 1.6 | 3.3 | 3.3 | .9 | .2 | .0 | .0 | | | | 9.5 | 10.9 |
| SW | .1 | 1.6 | 3.2 | 3.6 | .8 | .2 | .0 | | | | | 9.6 | 10.9 |
| WSW | .1 | 1.7 | 3.6 | 3.7 | .8 | .2 | .0 | .0 | | | | 10.2 | 10.9 |
| W | .2 | 1.7 | 4.0 | 3.7 | .6 | .1 | .0 | | | | | 10.3 | 10.4 |
| WNW | .1 | 1.1 | 2.2 | 1.8 | .2 | .0 | .0 | | | | | 5.5 | 9.8 |
| NW | .1 | 1.1 | 1.9 | 1.6 | .2 | .0 | .0 | | | | | 5.0 | 9.7 |
| NNW | .1 | .8 | 1.4 | .9 | .1 | .0 | .0 | | | | | 3.4 | 9.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.8 | |
| | 2.9 | 22.8 | 37.9 | 29.2 | 5.3 | 1.0 | .1 | .0 | | | | 100.0 | 9.5 |

TOTAL NUMBER OF OBSERVATIONS 76959

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) ALL (MONTH)

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

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE, (CONDITION)
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

| 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 | 1.4 | 3.3 | 3.2 | .6 | .0 | | | | | | 8.6 | 10.4 |
| NNE | .1 | 1.0 | 1.9 | 1.4 | .3 | .0 | | | | | | 4.7 | 9.6 |
| NE | .2 | .8 | 1.4 | .7 | .1 | | | | | | | 3.2 | 8.6 |
| ENE | .1 | .6 | .8 | .4 | .1 | | | | | | | 1.9 | 8.3 |
| E | .1 | .7 | 1.3 | .5 | .0 | | | | | | | 2.6 | 8.1 |
| ESE | .1 | .7 | 1.1 | .4 | .0 | | | | | | | 2.2 | 8.2 |
| SE | .1 | .7 | 1.7 | 1.1 | .1 | | | | | | | 3.8 | 9.4 |
| SSE | .1 | .9 | 2.2 | 1.6 | .2 | .1 | | | | | | 5.0 | 9.8 |
| S | .1 | 1.7 | 3.8 | 4.0 | .8 | .1 | .0 | | | | | 10.5 | 10.6 |
| SSW | .1 | .8 | 2.3 | 2.5 | .6 | .1 | | | | | | 6.4 | 11.2 |
| SW | .1 | 1.0 | 2.4 | 3.5 | .8 | .2 | .0 | | | | | 8.0 | 11.5 |
| WSW | .1 | 1.0 | 3.4 | 4.6 | 1.3 | .4 | .0 | | | | | 10.9 | 12.0 |
| W | .1 | 1.6 | 4.8 | 5.7 | 1.1 | .2 | .0 | | | | | 13.4 | 11.2 |
| WNW | .1 | 1.0 | 2.4 | 2.8 | .4 | .1 | .0 | | | | | 6.8 | 10.7 |
| NW | .1 | .8 | 2.2 | 2.4 | .4 | .1 | | | | | | 6.0 | 10.9 |
| NNW | .1 | .7 | 2.0 | 1.8 | .3 | .0 | .0 | | | | | 4.9 | 10.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 1.1 | |
| | 1.7 | 15.3 | 36.9 | 36.7 | 7.1 | 1.2 | .1 | | | | | 100.0 | 10.5 |

TOTAL NUMBER OF OBSERVATIONS 13839

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

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.

D

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

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

Continued on Reverse Side

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

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

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

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

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

## ADDITIONAL EXAMPLES

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

| 725246 | MANSFIELD LAHM MAP OH | 73-81 | JAN |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

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

0000-0200
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 22.9 | 28.9 | 29.4 | 30.6 | 31.1 | 31.1 | 31.2 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 |
| ≥ 20000 | 23.7 | 30.8 | 31.3 | 32.7 | 33.2 | 33.2 | 33.3 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| ≥ 18000 | 23.7 | 30.8 | 31.3 | 32.7 | 33.2 | 33.2 | 33.3 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| ≥ 16000 | 23.7 | 30.8 | 31.3 | 32.7 | 33.2 | 33.2 | 33.3 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| ≥ 14000 | 23.7 | 30.8 | 31.3 | 32.7 | 33.2 | 33.2 | 33.3 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| ≥ 12000 | 24.5 | 31.7 | 32.2 | 33.5 | 34.0 | 34.0 | 34.1 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 |
| ≥ 10000 | 25.9 | 33.7 | 34.9 | 36.4 | 36.8 | 36.8 | 37.0 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 |
| ≥ 9000 | 25.9 | 33.7 | 34.9 | 36.4 | 36.8 | 36.8 | 37.0 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 |
| ≥ 8000 | 26.3 | 34.6 | 36.1 | 37.7 | 38.2 | 38.2 | 38.3 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 |
| ≥ 7000 | 26.6 | 35.1 | 36.5 | 38.1 | 38.6 | 38.6 | 38.7 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 |
| ≥ 6000 | 27.7 | 37.2 | 38.7 | 40.3 | 41.0 | 41.0 | 41.1 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 |
| ≥ 5000 | 30.6 | 41.1 | 43.3 | 45.7 | 46.6 | 46.6 | 46.8 | 47.0 | 47.0 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| ≥ 4500 | 31.0 | 41.6 | 43.8 | 46.1 | 47.1 | 47.1 | 47.2 | 47.5 | 47.5 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 4000 | 31.8 | 43.5 | 45.9 | 48.3 | 49.4 | 49.4 | 49.6 | 49.8 | 49.8 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 |
| ≥ 3500 | 32.3 | 44.7 | 47.1 | 49.6 | 50.7 | 50.7 | 50.8 | 51.0 | 51.0 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| ≥ 3000 | 32.9 | 45.8 | 48.5 | 51.0 | 52.1 | 52.1 | 52.3 | 52.5 | 52.5 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| ≥ 2500 | 33.8 | 48.1 | 51.0 | 53.9 | 55.0 | 55.1 | 55.3 | 55.6 | 55.6 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 2000 | 35.0 | 52.4 | 56.2 | 59.5 | 61.4 | 61.8 | 62.5 | 62.9 | 62.9 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| ≥ 1800 | 35.7 | 53.7 | 57.5 | 60.8 | 62.9 | 63.3 | 64.0 | 64.4 | 64.4 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| ≥ 1500 | 37.3 | 58.5 | 62.8 | 66.6 | 69.3 | 69.6 | 71.0 | 71.5 | 71.5 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| ≥ 1200 | 37.7 | 59.7 | 64.6 | 68.8 | 71.6 | 72.0 | 73.6 | 74.1 | 74.1 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| ≥ 1000 | 37.9 | 60.8 | 66.3 | 70.6 | 73.7 | 74.2 | 76.5 | 77.2 | 77.2 | 77.5 | 77.6 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 900 | 37.9 | 61.1 | 66.6 | 70.9 | 74.1 | 74.5 | 77.1 | 78.0 | 78.0 | 78.5 | 78.6 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 |
| ≥ 800 | 37.9 | 62.3 | 68.2 | 73.1 | 76.7 | 77.4 | 80.3 | 81.4 | 81.4 | 82.1 | 82.4 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 |
| ≥ 700 | 37.9 | 62.9 | 68.9 | 73.9 | 77.6 | 78.2 | 81.2 | 82.3 | 82.3 | 83.1 | 83.4 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 |
| ≥ 600 | 37.9 | 63.4 | 69.5 | 74.7 | 79.7 | 80.4 | 84.1 | 85.2 | 85.2 | 86.3 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 |
| ≥ 500 | 37.9 | 63.8 | 69.9 | 75.8 | 80.9 | 81.9 | 86.2 | 87.5 | 87.5 | 88.7 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 |
| ≥ 400 | 37.9 | 64.0 | 70.5 | 76.6 | 82.3 | 83.4 | 87.8 | 89.2 | 89.2 | 90.5 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 300 | 37.9 | 64.0 | 70.6 | 76.9 | 82.7 | 83.8 | 88.6 | 90.5 | 90.5 | 91.9 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 200 | 37.9 | 64.0 | 70.6 | 76.9 | 82.7 | 83.8 | 88.7 | 90.9 | 90.9 | 92.9 | 94.0 | 94.0 | 94.5 | 94.5 | 94.5 | 94.9 |
| ≥ 100 | 37.9 | 64.0 | 70.6 | 76.9 | 82.7 | 83.8 | 88.9 | 91.1 | 91.1 | 93.1 | 95.0 | 95.0 | 96.1 | 96.1 | 96.7 | 97.6 |
| ≥ 0 | 37.9 | 64.0 | 70.6 | 76.9 | 82.7 | 83.8 | 89.1 | 91.7 | 91.7 | 94.0 | 96.0 | 96.0 | 97.2 | 97.2 | 97.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 617

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

[redacted] MANSFIELD LAHM MAP OH 73-81 JAN
STATION STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 20.6 | 27.2 | 27.7 | 29.1 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 | 29.8 |
| ≥ 20000 | 21.4 | 28.8 | 29.5 | 30.7 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 |
| ≥ 18000 | 21.4 | 28.8 | 29.5 | 30.7 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 |
| ≥ 16000 | 21.4 | 28.8 | 29.5 | 30.7 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 |
| ≥ 14000 | 21.9 | 29.1 | 29.9 | 31.1 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 |
| ≥ 12000 | 22.0 | 29.6 | 30.4 | 31.6 | 32.3 | 32.3 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 | 32.5 |
| ≥ 10000 | 23.5 | 31.2 | 32.7 | 34.1 | 34.8 | 34.8 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 |
| ≥ 9000 | 23.5 | 31.2 | 32.7 | 34.1 | 34.8 | 34.8 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 | 34.9 |
| ≥ 8000 | 23.8 | 32.1 | 33.6 | 35.4 | 36.3 | 36.3 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 |
| ≥ 7000 | 24.1 | 32.6 | 34.1 | 35.9 | 37.0 | 37.0 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 | 37.2 |
| ≥ 6000 | 25.3 | 34.9 | 36.4 | 38.3 | 39.4 | 39.5 | 39.8 | 39.8 | 39.8 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 |
| ≥ 5000 | 27.3 | 39.1 | 40.6 | 42.5 | 44.1 | 44.3 | 44.7 | 44.7 | 44.7 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| ≥ 4500 | 27.4 | 39.8 | 41.2 | 43.3 | 44.9 | 45.2 | 45.6 | 45.6 | 45.6 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| ≥ 4000 | 28.3 | 41.4 | 43.0 | 45.1 | 46.7 | 46.9 | 47.3 | 47.3 | 47.3 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| ≥ 3500 | 28.8 | 42.6 | 44.2 | 46.3 | 47.9 | 48.1 | 48.5 | 48.5 | 48.5 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| ≥ 3000 | 29.5 | 43.7 | 45.3 | 47.5 | 49.5 | 49.8 | 50.2 | 50.2 | 50.2 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 | 50.7 |
| ≥ 2500 | 30.7 | 47.9 | 50.0 | 52.5 | 54.7 | 54.9 | 55.6 | 55.6 | 55.6 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| ≥ 2000 | 32.5 | 52.8 | 55.3 | 57.9 | 60.7 | 61.3 | 62.0 | 62.1 | 62.1 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| ≥ 1800 | 32.8 | 53.8 | 56.3 | 59.0 | 61.9 | 62.1 | 63.1 | 63.2 | 63.2 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| ≥ 1500 | 34.3 | 59.6 | 62.8 | 66.4 | 69.6 | 69.9 | 71.5 | 71.6 | 71.6 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| ≥ 1200 | 34.8 | 60.9 | 64.1 | 67.9 | 71.1 | 71.4 | 73.1 | 73.2 | 73.3 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| ≥ 1000 | 35.3 | 62.6 | 66.0 | 71.0 | 74.3 | 74.6 | 77.0 | 77.2 | 77.3 | 78.3 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| ≥ 900 | 35.3 | 62.8 | 66.3 | 71.2 | 74.6 | 74.9 | 77.4 | 77.7 | 77.8 | 78.8 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| ≥ 800 | 35.6 | 64.1 | 68.1 | 73.2 | 77.5 | 77.9 | 80.7 | 81.5 | 81.6 | 82.6 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| ≥ 700 | 35.6 | 64.3 | 68.4 | 73.5 | 77.8 | 78.1 | 81.0 | 81.7 | 81.9 | 82.8 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| ≥ 600 | 35.6 | 64.3 | 68.5 | 73.8 | 78.5 | 78.9 | 82.0 | 82.8 | 83.0 | 84.0 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| ≥ 500 | 35.6 | 64.3 | 68.5 | 74.1 | 79.8 | 80.1 | 83.7 | 84.8 | 84.9 | 86.2 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| ≥ 400 | 35.6 | 64.8 | 69.3 | 74.9 | 82.0 | 82.3 | 86.9 | 88.5 | 88.6 | 90.2 | 91.1 | 91.1 | 91.5 | 91.6 | 91.6 | 91.6 |
| ≥ 300 | 35.6 | 64.8 | 69.3 | 74.9 | 82.2 | 82.6 | 87.5 | 89.3 | 89.5 | 91.2 | 92.3 | 92.3 | 92.8 | 93.0 | 93.0 | 93.0 |
| ≥ 200 | 35.6 | 64.8 | 69.3 | 74.9 | 82.3 | 82.7 | 88.1 | 90.1 | 90.4 | 92.8 | 94.2 | 94.2 | 94.8 | 95.2 | 95.4 | 95.4 |
| ≥ 100 | 35.6 | 64.8 | 69.3 | 74.9 | 82.3 | 82.7 | 88.5 | 90.7 | 91.0 | 93.5 | 94.9 | 94.9 | 96.4 | 96.8 | 98.3 | 98.3 |
| ≥ 0 | 35.6 | 64.8 | 69.3 | 74.9 | 82.3 | 82.7 | 88.6 | 91.0 | 91.2 | 93.7 | 95.2 | 95.2 | 96.7 | 97.0 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 810

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

1985

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7[illegible]246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 10.0 | 19.9 | 20.8 | 21.5 | 21.9 | 22.6 | 22.6 | 22.6 | 22.6 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 |
| ≥ 20000 | 11.1 | 22.4 | 23.3 | 24.1 | 24.8 | 25.5 | 25.5 | 25.5 | 25.5 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 |
| ≥ 18000 | 11.1 | 22.4 | 23.3 | 24.1 | 24.8 | 25.5 | 25.5 | 25.5 | 25.5 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 |
| ≥ 16000 | 11.1 | 22.4 | 23.3 | 24.1 | 24.8 | 25.5 | 25.5 | 25.5 | 25.5 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 | 25.6 |
| ≥ 14000 | 11.2 | 22.5 | 23.5 | 24.2 | 24.9 | 25.6 | 25.6 | 25.6 | 25.6 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 | 25.8 |
| ≥ 12000 | 11.4 | 23.5 | 24.8 | 25.5 | 26.4 | 27.1 | 27.1 | 27.1 | 27.1 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 |
| ≥ 10000 | 11.7 | 24.9 | 26.4 | 27.1 | 27.9 | 28.7 | 28.8 | 28.8 | 28.8 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 | 28.9 |
| ≥ 9000 | 11.7 | 25.0 | 26.6 | 27.3 | 28.3 | 29.0 | 29.2 | 29.2 | 29.2 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| ≥ 8000 | 11.9 | 26.1 | 27.9 | 28.7 | 29.6 | 30.4 | 30.5 | 30.5 | 30.5 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 7000 | 12.3 | 27.3 | 29.2 | 29.9 | 31.0 | 31.7 | 32.0 | 32.0 | 32.0 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 |
| ≥ 6000 | 12.3 | 27.6 | 29.5 | 30.5 | 31.7 | 32.4 | 32.7 | 32.7 | 32.7 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 | 32.8 |
| ≥ 5000 | 12.3 | 29.6 | 31.7 | 32.7 | 33.9 | 34.8 | 35.0 | 35.0 | 35.0 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 |
| ≥ 4500 | 12.6 | 31.0 | 33.0 | 34.3 | 35.5 | 36.3 | 36.6 | 36.6 | 36.6 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 |
| ≥ 4000 | 12.6 | 31.2 | 33.3 | 34.5 | 35.7 | 36.6 | 36.8 | 36.8 | 36.8 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 |
| ≥ 3500 | 13.1 | 33.4 | 35.6 | 37.2 | 38.5 | 39.4 | 39.6 | 39.6 | 39.6 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 |
| ≥ 3000 | 13.9 | 35.4 | 37.9 | 39.6 | 40.9 | 41.8 | 42.2 | 42.2 | 42.2 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| ≥ 2500 | 14.7 | 38.4 | 41.2 | 43.0 | 44.6 | 45.6 | 45.9 | 45.9 | 45.9 | 46.4 | 46.4 | 46.4 | 46.5 | 46.5 | 46.5 | 46.5 |
| ≥ 2000 | 15.3 | 42.3 | 46.3 | 48.4 | 50.2 | 51.3 | 52.2 | 52.5 | 52.5 | 53.0 | 53.0 | 53.0 | 53.1 | 53.1 | 53.1 | 53.1 |
| ≥ 1800 | 15.6 | 43.5 | 47.9 | 50.1 | 52.0 | 53.1 | 54.2 | 54.6 | 54.6 | 55.0 | 55.0 | 55.0 | 55.2 | 55.2 | 55.2 | 55.2 |
| ≥ 1500 | 17.0 | 47.6 | 52.9 | 55.7 | 58.4 | 59.8 | 61.2 | 61.6 | 61.6 | 62.3 | 62.5 | 62.5 | 62.6 | 62.6 | 62.6 | 62.6 |
| ≥ 1200 | 17.5 | 49.8 | 55.9 | 58.9 | 62.2 | 63.7 | 65.4 | 65.9 | 65.9 | 66.7 | 66.8 | 66.8 | 67.0 | 67.0 | 67.0 | 67.0 |
| ≥ 1000 | 17.7 | 50.8 | 57.0 | 61.0 | 65.0 | 66.8 | 68.8 | 69.4 | 69.4 | 70.4 | 70.6 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8 |
| ≥ 900 | 17.9 | 51.3 | 57.5 | 61.7 | 65.9 | 67.7 | 69.7 | 70.4 | 70.4 | 71.8 | 72.1 | 72.1 | 72.3 | 72.3 | 72.3 | 72.3 |
| ≥ 800 | 18.2 | 52.4 | 59.2 | 63.7 | 68.0 | 70.1 | 72.5 | 73.3 | 73.3 | 75.0 | 75.3 | 75.3 | 75.6 | 75.6 | 75.6 | 75.6 |
| ≥ 700 | 18.3 | 53.7 | 60.8 | 65.2 | 70.2 | 72.3 | 74.8 | 75.9 | 75.9 | 77.9 | 78.3 | 78.3 | 78.6 | 78.6 | 78.6 | 78.6 |
| ≥ 600 | 18.3 | 54.6 | 61.8 | 66.6 | 72.5 | 75.0 | 78.0 | 79.8 | 79.8 | 82.1 | 83.1 | 83.1 | 83.5 | 83.5 | 83.5 | 83.5 |
| ≥ 500 | 18.3 | 55.4 | 62.9 | 67.9 | 74.2 | 76.7 | 79.8 | 82.3 | 82.4 | 84.8 | 86.1 | 86.1 | 86.5 | 86.5 | 86.5 | 86.5 |
| ≥ 400 | 18.3 | 55.7 | 63.2 | 68.3 | 75.5 | 78.4 | 82.5 | 85.5 | 85.7 | 88.3 | 89.9 | 89.9 | 90.4 | 90.4 | 90.5 | 90.5 |
| ≥ 300 | 18.3 | 55.7 | 63.2 | 68.4 | 75.7 | 78.9 | 83.2 | 86.5 | 86.6 | 89.8 | 91.7 | 91.7 | 92.3 | 92.5 | 92.6 | 92.6 |
| ≥ 200 | 18.3 | 55.7 | 63.3 | 68.5 | 75.8 | 79.0 | 83.8 | 87.7 | 87.8 | 91.5 | 93.8 | 93.8 | 95.3 | 95.5 | 96.2 | 96.4 |
| ≥ 100 | 18.3 | 55.7 | 63.3 | 68.5 | 75.8 | 79.0 | 83.8 | 87.7 | 87.8 | 91.5 | 94.0 | 94.0 | 95.6 | 95.9 | 97.4 | 98.2 |
| ≥ 0 | 18.3 | 55.7 | 63.3 | 68.5 | 75.8 | 79.0 | 83.8 | 87.7 | 87.8 | 91.5 | 94.0 | 94.0 | 95.9 | 96.1 | 98.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 823

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

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 2.7 | 19.4 | 21.4 | 21.9 | 22.9 | 23.0 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.2 | 23.3 |
| ≥ 20000 | 3.8 | 25.2 | 27.8 | 28.4 | 29.5 | 29.7 | 30.1 | 30.1 | 30.2 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.4 |
| ≥ 18000 | 3.8 | 25.2 | 27.8 | 28.4 | 29.5 | 29.7 | 30.1 | 30.1 | 30.2 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.3 | 30.4 |
| ≥ 16000 | 3.8 | 25.3 | 27.9 | 28.5 | 29.6 | 29.8 | 30.2 | 30.2 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.6 |
| ≥ 14000 | 3.8 | 25.4 | 28.0 | 28.6 | 29.7 | 30.0 | 30.3 | 30.3 | 30.4 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.7 |
| ≥ 12000 | 3.8 | 26.0 | 29.1 | 29.8 | 30.9 | 31.2 | 31.5 | 31.5 | 31.7 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 31.9 |
| ≥ 10000 | 3.8 | 26.9 | 30.1 | 30.8 | 32.0 | 32.3 | 32.6 | 32.6 | 32.8 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 33.0 |
| ≥ 9000 | 3.9 | 27.1 | 30.3 | 31.1 | 32.3 | 32.5 | 32.9 | 32.9 | 33.0 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.3 |
| ≥ 8000 | 3.9 | 28.0 | 31.4 | 32.2 | 33.5 | 33.7 | 34.2 | 34.2 | 34.4 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.6 |
| ≥ 7000 | 3.9 | 28.5 | 32.2 | 33.3 | 34.6 | 34.8 | 35.3 | 35.3 | 35.5 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.7 |
| ≥ 6000 | 3.9 | 28.6 | 32.4 | 33.5 | 34.8 | 35.2 | 35.7 | 35.7 | 35.8 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 36.1 |
| ≥ 5000 | 3.9 | 29.3 | 33.3 | 34.8 | 36.4 | 36.8 | 37.4 | 37.5 | 37.7 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.3 |
| ≥ 4500 | 4.0 | 30.6 | 34.6 | 36.2 | 37.8 | 38.1 | 38.8 | 38.9 | 39.0 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.6 |
| ≥ 4000 | 4.0 | 31.1 | 35.1 | 36.7 | 38.3 | 38.6 | 39.2 | 39.4 | 39.5 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.1 |
| ≥ 3500 | 4.0 | 33.0 | 37.0 | 38.8 | 40.3 | 40.7 | 41.4 | 41.6 | 41.7 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.3 |
| ≥ 3000 | 4.0 | 34.6 | 38.9 | 40.6 | 42.3 | 42.7 | 43.5 | 43.6 | 43.8 | 44.5 | 44.5 | 44.5 | 44.6 | 44.6 | 44.6 | 44.7 |
| ≥ 2500 | 4.3 | 37.3 | 42.3 | 44.0 | 46.1 | 46.6 | 48.0 | 48.8 | 49.0 | 50.1 | 50.2 | 50.2 | 50.4 | 50.4 | 50.4 | 50.5 |
| ≥ 2000 | 4.3 | 40.0 | 45.6 | 47.7 | 50.4 | 51.5 | 53.3 | 54.3 | 54.6 | 56.1 | 56.2 | 56.2 | 56.4 | 56.4 | 56.5 | 56.6 |
| ≥ 1800 | 4.3 | 40.6 | 46.3 | 48.5 | 51.2 | 52.3 | 54.2 | 55.1 | 55.5 | 57.0 | 57.1 | 57.1 | 57.2 | 57.2 | 57.3 | 57.5 |
| ≥ 1500 | 4.8 | 45.5 | 51.3 | 53.9 | 57.5 | 59.0 | 61.4 | 62.6 | 63.1 | 64.7 | 64.9 | 64.9 | 65.0 | 65.0 | 65.2 | 65.3 |
| ≥ 1200 | 5.0 | 46.2 | 53.1 | 56.0 | 59.9 | 61.5 | 64.1 | 65.8 | 66.3 | 67.8 | 68.2 | 68.2 | 68.3 | 68.3 | 68.5 | 68.6 |
| ≥ 1000 | 5.0 | 46.7 | 53.7 | 57.0 | 61.2 | 62.8 | 65.8 | 67.7 | 68.2 | 69.8 | 70.7 | 70.7 | 70.9 | 70.9 | 71.0 | 71.1 |
| ≥ 900 | 5.0 | 47.4 | 54.6 | 58.1 | 62.3 | 64.4 | 68.0 | 70.2 | 70.7 | 72.6 | 73.6 | 73.6 | 73.8 | 73.8 | 74.0 | 74.1 |
| ≥ 800 | 5.0 | 47.7 | 55.0 | 58.9 | 63.2 | 65.8 | 69.8 | 72.2 | 72.7 | 75.2 | 76.3 | 76.3 | 76.9 | 76.9 | 77.0 | 77.1 |
| ≥ 700 | 5.3 | 47.9 | 55.3 | 59.7 | 64.5 | 67.1 | 72.0 | 74.6 | 75.1 | 78.1 | 79.3 | 79.3 | 80.1 | 80.1 | 80.2 | 80.3 |
| ≥ 600 | 5.3 | 48.7 | 56.1 | 60.8 | 66.0 | 68.9 | 74.7 | 77.8 | 78.2 | 81.4 | 83.1 | 83.1 | 84.0 | 84.0 | 84.1 | 84.2 |
| ≥ 500 | 5.0 | 48.8 | 56.6 | 61.4 | 66.7 | 69.9 | 76.2 | 80.1 | 80.7 | 84.2 | 86.3 | 86.3 | 87.7 | 87.7 | 87.9 | 88.0 |
| ≥ 400 | 5.0 | 48.8 | 56.6 | 61.5 | 67.4 | 70.8 | 77.3 | 81.7 | 82.3 | 86.7 | 89.1 | 89.1 | 90.6 | 90.6 | 90.8 | 91.0 |
| ≥ 300 | 5.0 | 48.8 | 56.6 | 61.5 | 67.4 | 70.8 | 77.5 | 82.2 | 83.0 | 88.8 | 91.6 | 91.6 | 93.2 | 93.2 | 93.4 | 93.5 |
| ≥ 200 | 5.1 | 48.8 | 56.6 | 61.6 | 67.5 | 71.0 | 78.1 | 83.1 | 84.0 | 90.3 | 93.9 | 93.9 | 96.3 | 96.3 | 96.8 | 96.9 |
| ≥ 100 | 5.1 | 48.8 | 56.6 | 61.6 | 67.5 | 71.0 | 78.1 | 83.1 | 84.0 | 90.3 | 93.9 | 93.9 | 96.5 | 96.6 | 97.6 | 98.5 |
| ≥ 0 | 5.0 | 48.8 | 56.6 | 61.6 | 67.5 | 71.0 | 78.1 | 83.1 | 84.0 | 90.3 | 93.9 | 93.9 | 96.6 | 96.7 | 98.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 818

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

1986

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 4.1 | 22.7 | 23.2 | 23.6 | 24.3 | 24.4 | 24.7 | 24.7 | 24.7 | 24.9 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 | 25.1 |
| ≥ 20000 | 4.6 | 28.0 | 28.5 | 28.9 | 29.8 | 30.1 | 30.6 | 30.6 | 30.6 | 31.0 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 |
| ≥ 18000 | 4.6 | 28.0 | 28.5 | 28.9 | 29.8 | 30.1 | 30.6 | 30.6 | 30.6 | 31.0 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 |
| ≥ 16000 | 4.6 | 28.0 | 28.5 | 28.9 | 29.8 | 30.1 | 30.6 | 30.6 | 30.6 | 31.0 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 |
| ≥ 14000 | 5.0 | 28.8 | 29.3 | 29.7 | 30.5 | 30.9 | 31.4 | 31.4 | 31.4 | 31.8 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 |
| ≥ 12000 | 5.1 | 29.9 | 30.5 | 30.9 | 31.8 | 32.1 | 32.6 | 32.6 | 32.6 | 33.0 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 |
| ≥ 10000 | 5.1 | 31.0 | 31.6 | 32.0 | 32.9 | 33.3 | 33.7 | 33.7 | 33.7 | 34.1 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 9000 | 5.1 | 31.0 | 31.6 | 32.0 | 33.0 | 33.4 | 33.9 | 33.9 | 33.9 | 34.2 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 |
| ≥ 8000 | 5.1 | 32.3 | 32.6 | 33.0 | 34.0 | 34.4 | 34.9 | 34.9 | 34.9 | 35.2 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 7000 | 5.3 | 32.9 | 33.6 | 34.4 | 35.4 | 35.7 | 36.2 | 36.2 | 36.2 | 36.6 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 |
| ≥ 6000 | 5.3 | 33.0 | 33.7 | 34.5 | 35.5 | 35.9 | 36.4 | 36.4 | 36.4 | 36.7 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 |
| ≥ 5000 | 5.3 | 33.3 | 34.0 | 34.7 | 35.9 | 36.4 | 36.8 | 36.8 | 36.8 | 37.2 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| ≥ 4500 | 5.3 | 34.2 | 35.1 | 35.9 | 37.0 | 37.5 | 38.0 | 38.0 | 38.0 | 38.3 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 |
| ≥ 4000 | 5.3 | 34.7 | 35.7 | 36.5 | 37.6 | 38.1 | 38.6 | 38.6 | 38.6 | 39.1 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 |
| ≥ 3500 | 5.9 | 35.9 | 37.2 | 38.0 | 39.2 | 39.7 | 40.2 | 40.2 | 40.2 | 40.7 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| ≥ 3000 | 5.9 | 37.6 | 39.1 | 39.8 | 41.2 | 41.7 | 42.3 | 42.6 | 42.6 | 43.3 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 |
| ≥ 2500 | 6.0 | 40.6 | 42.8 | 43.7 | 45.0 | 45.7 | 46.4 | 46.9 | 47.0 | 47.9 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 |
| ≥ 2000 | 6.5 | 44.5 | 47.1 | 48.3 | 49.9 | 50.7 | 51.6 | 52.4 | 52.5 | 53.6 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| ≥ 1800 | 6.5 | 46.7 | 49.4 | 50.5 | 52.4 | 53.3 | 54.2 | 55.2 | 55.3 | 56.5 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| ≥ 1500 | 7.6 | 53.0 | 56.3 | 58.6 | 60.5 | 61.9 | 62.9 | 64.3 | 64.4 | 65.6 | 66.3 | 66.3 | 66.4 | 66.4 | 66.5 | 66.5 |
| ≥ 1200 | 7.6 | 55.3 | 59.9 | 62.4 | 64.6 | 66.1 | 67.9 | 69.9 | 70.0 | 71.6 | 72.3 | 72.3 | 72.5 | 72.6 | 72.7 | 72.7 |
| ≥ 1000 | 7.6 | 56.6 | 61.5 | 64.5 | 67.2 | 69.0 | 71.1 | 73.2 | 73.3 | 75.1 | 76.4 | 76.4 | 76.6 | 76.7 | 76.8 | 76.8 |
| ≥ 900 | 7.6 | 57.1 | 62.3 | 65.6 | 68.5 | 70.2 | 72.8 | 74.9 | 75.1 | 76.9 | 78.4 | 78.4 | 78.8 | 79.0 | 79.2 | 79.2 |
| ≥ 800 | 7.6 | 57.4 | 62.9 | 66.4 | 69.6 | 71.7 | 74.4 | 76.7 | 76.8 | 79.2 | 80.8 | 80.8 | 81.1 | 81.4 | 81.5 | 81.5 |
| ≥ 700 | 7.6 | 57.6 | 63.3 | 67.0 | 70.6 | 73.3 | 76.9 | 79.4 | 79.5 | 81.9 | 83.6 | 83.6 | 84.0 | 84.2 | 84.4 | 84.4 |
| ≥ 600 | 7.6 | 57.7 | 63.4 | 67.2 | 71.0 | 74.2 | 78.5 | 81.6 | 81.8 | 84.5 | 86.4 | 86.4 | 87.0 | 87.2 | 87.3 | 87.3 |
| ≥ 500 | 7.6 | 57.8 | 63.6 | 67.7 | 71.7 | 75.4 | 80.1 | 83.7 | 84.0 | 87.0 | 89.0 | 89.0 | 89.6 | 89.8 | 90.1 | 90.1 |
| ≥ 400 | 7.6 | 57.8 | 63.8 | 67.9 | 72.3 | 76.1 | 81.6 | 85.7 | 86.0 | 89.5 | 91.7 | 91.7 | 92.6 | 92.8 | 93.1 | 93.1 |
| ≥ 300 | 7.6 | 57.8 | 63.8 | 67.9 | 72.3 | 76.2 | 81.8 | 86.1 | 86.5 | 90.6 | 93.7 | 93.7 | 94.7 | 94.9 | 95.3 | 95.3 |
| ≥ 200 | 7.6 | 57.8 | 63.8 | 67.9 | 72.3 | 76.3 | 82.0 | 86.7 | 87.1 | 91.8 | 95.4 | 95.4 | 96.8 | 97.1 | 97.6 | 97.6 |
| ≥ 100 | 7.6 | 57.8 | 63.8 | 67.9 | 72.3 | 76.3 | 82.0 | 86.7 | 87.1 | 92.1 | 95.9 | 95.9 | 97.4 | 97.9 | 98.5 | 98.5 |
| ≥ 0 | 7.6 | 57.8 | 63.8 | 67.9 | 72.3 | 76.3 | 82.0 | 86.7 | 87.1 | 92.1 | 95.9 | 95.9 | 97.4 | 97.9 | 98.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 806

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 5.5 | 21.1 | 22.2 | 23.1 | 23.1 | 23.1 | 23.5 | 23.5 | 23.5 | 23.5 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 | 23.8 |
| ≥ 20000 | 6.4 | 26.8 | 27.9 | 28.7 | 29.0 | 29.0 | 29.3 | 29.3 | 29.3 | 29.3 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 |
| ≥ 18000 | 6.4 | 26.8 | 27.9 | 28.7 | 29.0 | 29.0 | 29.3 | 29.3 | 29.3 | 29.3 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 |
| ≥ 16000 | 6.4 | 26.8 | 27.9 | 28.7 | 29.0 | 29.0 | 29.3 | 29.3 | 29.3 | 29.3 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 | 29.7 |
| ≥ 14000 | 6.8 | 27.6 | 28.7 | 29.6 | 29.8 | 29.8 | 30.2 | 30.2 | 30.2 | 30.2 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 | 30.6 |
| ≥ 12000 | 7.1 | 28.6 | 29.7 | 30.6 | 30.8 | 30.8 | 31.2 | 31.2 | 31.2 | 31.2 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 | 31.5 |
| ≥ 10000 | 7.5 | 30.0 | 31.1 | 31.9 | 32.2 | 32.2 | 32.5 | 32.5 | 32.5 | 32.5 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 |
| ≥ 9000 | 7.5 | 30.1 | 31.2 | 32.2 | 32.4 | 32.4 | 32.8 | 32.8 | 32.8 | 32.8 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 | 33.1 |
| ≥ 8000 | 7.7 | 31.1 | 32.2 | 33.1 | 33.4 | 33.4 | 33.7 | 33.7 | 33.7 | 33.7 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| ≥ 7000 | 7.8 | 31.9 | 33.0 | 34.2 | 34.5 | 34.5 | 34.8 | 34.8 | 34.8 | 34.8 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 6000 | 7.8 | 32.6 | 33.7 | 35.1 | 35.3 | 35.3 | 35.7 | 35.7 | 35.7 | 35.7 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| ≥ 5000 | 7.9 | 34.0 | 35.1 | 36.4 | 36.7 | 36.7 | 37.0 | 37.0 | 37.0 | 37.0 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 4500 | 7.9 | 34.2 | 35.5 | 36.9 | 37.4 | 37.4 | 37.8 | 37.8 | 37.8 | 37.8 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 |
| ≥ 4000 | 7.9 | 34.6 | 35.8 | 37.3 | 37.8 | 37.8 | 38.1 | 38.1 | 38.1 | 38.1 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 |
| ≥ 3500 | 8.3 | 36.7 | 37.9 | 39.5 | 40.1 | 40.5 | 41.0 | 41.0 | 41.0 | 41.0 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 |
| ≥ 3000 | 8.9 | 39.4 | 40.6 | 42.2 | 43.2 | 43.5 | 44.0 | 44.0 | 44.1 | 44.5 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| ≥ 2500 | 9.8 | 44.6 | 46.3 | 48.0 | 49.8 | 50.2 | 50.9 | 51.2 | 51.3 | 51.7 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| ≥ 2000 | 10.3 | 49.3 | 51.3 | 53.5 | 56.2 | 56.7 | 57.6 | 57.9 | 58.1 | 58.7 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.3 |
| ≥ 1800 | 10.4 | 51.1 | 53.3 | 55.5 | 58.3 | 58.9 | 59.9 | 60.3 | 60.4 | 61.0 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| ≥ 1500 | 11.0 | 55.4 | 58.2 | 60.5 | 63.9 | 65.0 | 66.6 | 67.5 | 67.6 | 68.5 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| ≥ 1200 | 11.3 | 58.8 | 62.3 | 64.5 | 69.1 | 69.6 | 72.0 | 73.2 | 73.5 | 74.4 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| ≥ 1000 | 11.3 | 60.1 | 63.4 | 66.3 | 70.2 | 71.8 | 74.3 | 75.9 | 76.2 | 77.4 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| ≥ 900 | 11.0 | 60.1 | 63.9 | 66.9 | 70.8 | 72.6 | 75.9 | 77.5 | 77.8 | 79.3 | 80.3 | 80.4 | 80.7 | 80.7 | 80.7 | 80.7 |
| ≥ 800 | 11.0 | 60.1 | 63.9 | 67.0 | 71.5 | 73.5 | 77.8 | 79.7 | 80.1 | 81.9 | 83.5 | 83.6 | 83.9 | 83.9 | 83.9 | 83.9 |
| ≥ 700 | 11.3 | 60.1 | 63.9 | 67.1 | 71.8 | 74.4 | 79.6 | 81.9 | 82.3 | 84.2 | 85.8 | 85.9 | 86.2 | 86.2 | 86.2 | 86.2 |
| ≥ 600 | 11.0 | 60.3 | 64.1 | 67.2 | 72.4 | 75.2 | 80.7 | 83.4 | 83.7 | 86.1 | 87.7 | 87.8 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 500 | 11.0 | 60.5 | 64.3 | 67.5 | 72.7 | 75.6 | 81.5 | 84.5 | 85.0 | 87.8 | 90.2 | 90.3 | 90.7 | 90.7 | 90.7 | 90.7 |
| ≥ 400 | 11.0 | 60.6 | 64.4 | 67.6 | 72.9 | 75.9 | 82.2 | 85.8 | 86.3 | 89.7 | 92.2 | 92.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 300 | 11.0 | 60.6 | 64.5 | 67.7 | 73.1 | 76.3 | 82.6 | 86.6 | 87.0 | 91.2 | 94.4 | 94.5 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 200 | 11.0 | 60.6 | 64.5 | 67.7 | 73.1 | 76.4 | 83.0 | 87.2 | 87.7 | 92.1 | 95.5 | 95.6 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 100 | 11.0 | 60.6 | 64.5 | 67.7 | 73.1 | 76.4 | 83.0 | 87.2 | 87.7 | 92.1 | 95.6 | 95.7 | 97.8 | 97.8 | 98.2 | 98.4 |
| ≥ 0 | 11.0 | 60.6 | 64.5 | 67.7 | 73.1 | 76.4 | 83.0 | 87.2 | 87.7 | 92.1 | 95.6 | 95.7 | 97.9 | 97.9 | 98.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 818

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

1987

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 18.9 | 30.0 | 30.9 | 31.3 | 31.8 | 31.8 | 31.8 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 |
| ≥ 20000 | 20.2 | 33.7 | 34.7 | 35.1 | 35.6 | 35.6 | 35.6 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| ≥ 18000 | 20.2 | 33.7 | 34.7 | 35.1 | 35.6 | 35.6 | 35.6 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| ≥ 16000 | 20.2 | 33.7 | 34.7 | 35.1 | 35.6 | 35.6 | 35.6 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| ≥ 14000 | 20.8 | 35.1 | 36.1 | 36.4 | 36.9 | 36.9 | 36.9 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| ≥ 12000 | 21.3 | 35.3 | 36.3 | 36.7 | 37.1 | 37.1 | 37.1 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| ≥ 10000 | 21.3 | 36.2 | 37.1 | 37.5 | 38.0 | 38.0 | 38.0 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 |
| ≥ 9000 | 21.6 | 36.5 | 37.5 | 37.9 | 38.4 | 38.4 | 38.4 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 |
| ≥ 8000 | 21.8 | 37.6 | 38.6 | 39.0 | 39.5 | 39.5 | 39.5 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 |
| ≥ 7000 | 22.3 | 38.4 | 39.3 | 39.7 | 40.4 | 40.4 | 40.4 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 |
| ≥ 6000 | 22.8 | 39.8 | 40.8 | 41.2 | 41.9 | 41.9 | 41.9 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 |
| ≥ 5000 | 23.8 | 42.4 | 43.6 | 44.3 | 45.1 | 45.1 | 45.1 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 |
| ≥ 4500 | 24.4 | 43.5 | 44.8 | 45.6 | 46.3 | 46.3 | 46.3 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| ≥ 4000 | 25.2 | 45.4 | 47.0 | 47.7 | 48.5 | 48.6 | 48.6 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| ≥ 3500 | 26.1 | 47.0 | 48.7 | 49.7 | 50.4 | 50.5 | 50.5 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 |
| ≥ 3000 | 26.9 | 49.7 | 51.6 | 52.6 | 53.5 | 53.6 | 53.7 | 54.3 | 54.3 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| ≥ 2500 | 27.6 | 53.2 | 55.4 | 56.6 | 57.6 | 57.7 | 58.0 | 58.7 | 58.7 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| ≥ 2000 | 28.6 | 56.9 | 60.3 | 62.2 | 63.5 | 63.7 | 64.7 | 65.5 | 65.5 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| ≥ 1800 | 28.7 | 57.5 | 61.1 | 63.3 | 64.7 | 65.0 | 66.3 | 67.1 | 67.1 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| ≥ 1500 | 30.2 | 61.3 | 65.8 | 68.5 | 69.8 | 70.4 | 71.6 | 72.7 | 72.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| ≥ 1200 | 30.3 | 62.1 | 66.9 | 69.8 | 71.3 | 72.1 | 73.7 | 74.9 | 74.9 | 75.9 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| ≥ 1000 | 30.3 | 63.1 | 68.1 | 71.5 | 73.3 | 74.2 | 75.9 | 77.2 | 77.2 | 78.4 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| ≥ 900 | 30.3 | 63.5 | 68.5 | 72.1 | 73.9 | 74.8 | 76.6 | 78.3 | 78.3 | 79.8 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 |
| ≥ 800 | 30.5 | 63.9 | 69.9 | 74.4 | 76.5 | 77.6 | 79.4 | 81.2 | 81.2 | 82.9 | 83.4 | 83.4 | 83.6 | 83.6 | 83.6 | 83.6 |
| ≥ 700 | 30.5 | 64.8 | 70.9 | 75.9 | 78.4 | 79.8 | 82.1 | 84.0 | 84.0 | 85.7 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 |
| ≥ 600 | 30.5 | 65.2 | 71.7 | 77.2 | 80.9 | 82.3 | 84.7 | 86.8 | 86.8 | 88.7 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 500 | 30.5 | 65.3 | 72.0 | 78.0 | 82.5 | 84.0 | 86.8 | 89.5 | 89.5 | 91.5 | 92.6 | 92.6 | 92.7 | 92.7 | 92.8 | 92.8 |
| ≥ 400 | 30.5 | 65.3 | 72.0 | 78.3 | 83.1 | 84.7 | 87.6 | 90.9 | 90.9 | 93.8 | 95.1 | 95.1 | 95.2 | 95.2 | 95.4 | 95.4 |
| ≥ 300 | 30.5 | 65.3 | 72.0 | 78.4 | 83.2 | 84.9 | 87.9 | 91.4 | 91.4 | 94.6 | 96.1 | 96.1 | 96.5 | 96.5 | 96.6 | 96.6 |
| ≥ 200 | 30.5 | 65.3 | 72.0 | 78.4 | 83.3 | 85.1 | 88.2 | 91.6 | 91.6 | 95.1 | 96.7 | 96.7 | 97.2 | 97.2 | 97.4 | 97.4 |
| ≥ 100 | 30.5 | 65.3 | 72.0 | 78.4 | 83.3 | 85.1 | 88.2 | 91.6 | 91.6 | 95.2 | 97.0 | 97.0 | 97.7 | 97.8 | 98.2 | 98.2 |
| ≥ 0 | 30.5 | 65.3 | 72.0 | 78.4 | 83.3 | 85.1 | 88.2 | 91.7 | 91.7 | 95.4 | 97.1 | 97.1 | 98.1 | 98.2 | 98.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 821

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72[illegible]246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

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

2100-2300 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 25.1 | 32.1 | 33.2 | 33.2 | 33.3 | 33.3 | 33.3 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| ≥ 20000 | 26.9 | 35.6 | 36.8 | 36.8 | 37.0 | 37.0 | 37.0 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| ≥ 18000 | 27.1 | 35.7 | 37.1 | 37.0 | 37.1 | 37.1 | 37.1 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| ≥ 16000 | 27.1 | 35.7 | 37.0 | 37.0 | 37.1 | 37.1 | 37.1 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| ≥ 14000 | 27.7 | 36.4 | 37.6 | 37.6 | 37.7 | 37.7 | 37.7 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 |
| ≥ 12000 | 27.9 | 37.0 | 38.2 | 38.2 | 38.3 | 38.3 | 38.3 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 |
| ≥ 10000 | 29.4 | 39.0 | 40.3 | 40.4 | 40.5 | 40.5 | 40.5 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 |
| ≥ 9000 | 29.5 | 39.2 | 40.4 | 40.5 | 40.6 | 40.6 | 40.6 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 8000 | 29.8 | 39.6 | 41.1 | 41.2 | 41.4 | 41.4 | 41.4 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 | 41.7 |
| ≥ 7000 | 30.1 | 40.1 | 41.4 | 41.6 | 41.7 | 41.7 | 41.7 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 |
| ≥ 6000 | 31.1 | 42.0 | 43.2 | 43.5 | 43.6 | 43.6 | 43.6 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 |
| ≥ 5000 | 33.5 | 45.5 | 47.4 | 47.9 | 48.2 | 48.2 | 48.3 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 |
| ≥ 4500 | 33.9 | 45.9 | 47.9 | 48.3 | 48.7 | 48.7 | 48.8 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| ≥ 4000 | 34.6 | 48.1 | 50.4 | 51.0 | 51.5 | 51.5 | 51.7 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 3500 | 36.1 | 50.1 | 52.5 | 53.1 | 53.6 | 53.6 | 53.7 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| ≥ 3000 | 37.3 | 51.6 | 54.5 | 55.6 | 56.1 | 56.1 | 56.2 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| ≥ 2500 | 38.4 | 54.5 | 57.2 | 58.5 | 59.1 | 59.4 | 59.5 | 59.9 | 59.9 | 60.0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| ≥ 2000 | 40.1 | 58.8 | 61.9 | 63.8 | 64.9 | 65.6 | 65.9 | 66.3 | 66.3 | 66.6 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| ≥ 1800 | 40.6 | 60.2 | 63.4 | 65.4 | 66.5 | 67.2 | 67.4 | 67.9 | 67.9 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| ≥ 1500 | 42.2 | 63.4 | 66.8 | 69.3 | 70.5 | 71.2 | 72.2 | 72.8 | 72.8 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| ≥ 1200 | 42.5 | 64.5 | 68.1 | 70.5 | 71.8 | 72.6 | 74.1 | 74.9 | 74.9 | 75.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| ≥ 1000 | 42.6 | 65.5 | 69.4 | 72.6 | 74.3 | 75.0 | 76.9 | 77.8 | 77.8 | 78.5 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| ≥ 900 | 42.6 | 65.5 | 69.4 | 72.7 | 74.5 | 75.3 | 77.2 | 78.2 | 78.2 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| ≥ 800 | 42.7 | 66.2 | 70.5 | 74.5 | 76.9 | 77.6 | 80.0 | 81.3 | 81.3 | 82.3 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| ≥ 700 | 42.7 | 67.0 | 71.7 | 76.3 | 78.8 | 79.8 | 82.3 | 83.5 | 83.5 | 84.5 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| ≥ 600 | 42.7 | 67.1 | 72.1 | 77.5 | 81.0 | 82.5 | 85.1 | 86.4 | 86.4 | 87.8 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 500 | 42.7 | 67.3 | 72.9 | 78.5 | 82.9 | 84.1 | 87.4 | 89.0 | 89.0 | 90.5 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| ≥ 400 | 42.7 | 67.4 | 73.1 | 79.4 | 83.7 | 85.6 | 89.5 | 91.3 | 91.3 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 300 | 42.7 | 67.4 | 73.1 | 79.4 | 83.8 | 85.7 | 89.7 | 92.2 | 92.2 | 94.0 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 200 | 42.7 | 67.4 | 73.1 | 79.4 | 84.0 | 85.8 | 90.0 | 92.5 | 92.5 | 95.0 | 95.3 | 95.3 | 96.1 | 96.1 | 96.1 | 96.2 |
| ≥ 100 | 42.7 | 67.4 | 73.1 | 79.4 | 84.1 | 85.9 | 90.1 | 92.8 | 92.8 | 95.3 | 96.2 | 96.2 | 97.2 | 97.2 | 97.9 | 98.2 |
| ≥ 0 | 42.7 | 67.4 | 73.1 | 79.4 | 84.2 | 86.0 | 90.2 | 92.9 | 92.9 | 96.1 | 97.1 | 97.1 | 98.0 | 98.0 | 98.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 817

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

1988

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72[illegible]246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

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

ALL (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 13.7 | 25.2 | 26.1 | 26.8 | 27.3 | 27.4 | 27.5 | 27.6 | 27.6 | 27.6 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 |
| ≥ 20000 | 14.8 | 28.9 | 30.0 | 30.7 | 31.3 | 31.4 | 31.6 | 31.7 | 31.7 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 31.9 |
| ≥ 18000 | 14.8 | 28.9 | 30.0 | 30.7 | 31.3 | 31.5 | 31.6 | 31.7 | 31.7 | 31.8 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 |
| ≥ 16000 | 14.8 | 28.9 | 30.0 | 30.7 | 31.3 | 31.5 | 31.6 | 31.7 | 31.7 | 31.8 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 |
| ≥ 14000 | 15.1 | 29.5 | 30.5 | 31.2 | 31.8 | 32.0 | 32.2 | 32.2 | 32.3 | 32.3 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 | 32.4 |
| ≥ 12000 | 15.3 | 30.2 | 31.4 | 32.1 | 32.7 | 32.9 | 33.1 | 33.1 | 33.2 | 33.2 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 | 33.3 |
| ≥ 10000 | 16.0 | 31.6 | 33.0 | 33.8 | 34.4 | 34.6 | 34.8 | 34.9 | 34.9 | 34.9 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 9000 | 16.1 | 31.7 | 33.2 | 33.9 | 34.6 | 34.7 | 34.9 | 35.0 | 35.1 | 35.1 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 8000 | 16.3 | 32.7 | 34.2 | 35.0 | 35.7 | 35.9 | 36.1 | 36.2 | 36.2 | 36.3 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 |
| ≥ 7000 | 16.5 | 33.3 | 34.9 | 35.9 | 36.6 | 36.8 | 37.0 | 37.1 | 37.2 | 37.2 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| ≥ 6000 | 17.0 | 34.5 | 36.1 | 37.1 | 37.9 | 38.1 | 38.3 | 38.4 | 38.5 | 38.5 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 |
| ≥ 5000 | 18.1 | 36.8 | 38.6 | 39.9 | 40.9 | 41.1 | 41.4 | 41.5 | 41.5 | 41.7 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 |
| ≥ 4500 | 18.3 | 37.6 | 39.5 | 40.8 | 41.8 | 42.1 | 42.4 | 42.5 | 42.5 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.8 |
| ≥ 4000 | 18.7 | 38.7 | 40.8 | 42.1 | 43.2 | 43.4 | 43.7 | 43.9 | 43.9 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.2 |
| ≥ 3500 | 19.3 | 40.4 | 42.5 | 44.0 | 45.1 | 45.4 | 45.7 | 45.9 | 45.9 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.2 |
| ≥ 3000 | 19.9 | 42.2 | 44.5 | 46.1 | 47.4 | 47.7 | 48.1 | 48.3 | 48.3 | 48.7 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.9 |
| ≥ 2500 | 20.7 | 45.6 | 48.3 | 50.0 | 51.5 | 51.9 | 52.5 | 52.8 | 52.9 | 53.4 | 53.5 | 53.5 | 53.6 | 53.6 | 53.6 | 53.6 |
| ≥ 2000 | 21.6 | 49.6 | 53.0 | 55.2 | 57.2 | 57.8 | 58.7 | 59.2 | 59.3 | 60.0 | 60.1 | 60.1 | 60.2 | 60.2 | 60.2 | 60.2 |
| ≥ 1800 | 21.9 | 50.9 | 54.4 | 56.6 | 58.7 | 59.4 | 60.4 | 61.0 | 61.1 | 61.7 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 | 61.9 |
| ≥ 1500 | 23.1 | 55.5 | 59.6 | 62.4 | 64.9 | 65.9 | 67.3 | 68.1 | 68.2 | 69.0 | 69.2 | 69.2 | 69.2 | 69.2 | 69.3 | 69.3 |
| ≥ 1200 | 23.3 | 57.2 | 61.8 | 64.9 | 67.6 | 68.6 | 70.5 | 71.3 | 71.6 | 72.5 | 72.8 | 72.8 | 72.8 | 72.8 | 72.9 | 72.9 |
| ≥ 1000 | 23.4 | 58.3 | 63.2 | 66.8 | 69.9 | 71.0 | 73.3 | 74.5 | 74.6 | 75.7 | 76.2 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 |
| ≥ 900 | 23.5 | 58.6 | 63.6 | 67.4 | 70.6 | 71.8 | 74.3 | 75.6 | 75.8 | 77.1 | 77.7 | 77.7 | 77.9 | 77.9 | 77.9 | 78.0 |
| ≥ 800 | 23.6 | 59.3 | 64.7 | 68.9 | 72.5 | 73.9 | 76.9 | 78.4 | 78.5 | 80.1 | 80.9 | 80.9 | 81.1 | 81.1 | 81.2 | 81.2 |
| ≥ 700 | 23.6 | 59.8 | 65.4 | 69.8 | 73.7 | 75.4 | 78.7 | 80.4 | 80.6 | 82.3 | 83.1 | 83.1 | 83.4 | 83.4 | 83.4 | 83.4 |
| ≥ 600 | 23.6 | 60.1 | 65.9 | 70.6 | 75.3 | 77.2 | 81.3 | 83.0 | 83.1 | 85.1 | 86.1 | 86.1 | 86.4 | 86.5 | 86.5 | 86.5 |
| ≥ 500 | 23.6 | 60.4 | 66.4 | 71.3 | 76.4 | 78.5 | 82.7 | 85.2 | 85.4 | 87.6 | 88.9 | 88.9 | 89.3 | 89.3 | 89.4 | 89.4 |
| ≥ 400 | 23.6 | 60.6 | 66.6 | 71.8 | 77.4 | 79.6 | 84.4 | 87.3 | 87.5 | 90.2 | 91.7 | 91.7 | 92.2 | 92.3 | 92.4 | 92.4 |
| ≥ 300 | 23.6 | 60.6 | 66.6 | 71.9 | 77.6 | 79.9 | 84.9 | 88.1 | 88.3 | 91.5 | 93.4 | 93.4 | 94.0 | 94.1 | 94.2 | 94.2 |
| ≥ 200 | 23.6 | 60.6 | 66.6 | 71.9 | 77.6 | 80.0 | 85.3 | 88.7 | 89.0 | 92.7 | 94.9 | 94.9 | 96.0 | 96.2 | 96.4 | 96.5 |
| ≥ 100 | 23.6 | 60.6 | 66.6 | 71.9 | 77.7 | 80.0 | 85.3 | 88.9 | 89.1 | 92.9 | 95.3 | 95.3 | 96.8 | 97.0 | 97.8 | 98.2 |
| ≥ 0 | 23.6 | 60.6 | 66.6 | 71.9 | 77.7 | 80.1 | 85.4 | 89.0 | 89.3 | 93.1 | 95.6 | 95.6 | 97.2 | 97.4 | 98.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 6530

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

| 72246 | MANSFIELD LAHM MAP OH | 73-81 | FEB |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

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

0000-0200
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 26.6 | 33.2 | 34.8 | 35.9 | 36.7 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 |
| ≥ 20000 | 28.4 | 35.3 | 36.9 | 38.0 | 38.8 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 |
| ≥ 18000 | 28.4 | 35.3 | 36.9 | 38.0 | 38.8 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 |
| ≥ 16000 | 28.4 | 35.3 | 36.9 | 38.0 | 38.8 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 |
| ≥ 14000 | 29.2 | 36.1 | 37.8 | 38.8 | 39.6 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 |
| ≥ 12000 | 30.1 | 37.3 | 39.0 | 40.0 | 40.8 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 10000 | 33.1 | 41.0 | 42.7 | 43.8 | 44.6 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 | 44.7 |
| ≥ 9000 | 33.1 | 41.0 | 43.1 | 44.2 | 45.0 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 |
| ≥ 8000 | 33.9 | 42.2 | 44.3 | 45.4 | 46.2 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| ≥ 7000 | 34.8 | 43.2 | 45.4 | 46.5 | 47.3 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 6000 | 36.0 | 44.6 | 46.7 | 47.8 | 48.6 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 |
| ≥ 5000 | 39.0 | 50.3 | 52.6 | 53.7 | 54.5 | 54.8 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 |
| ≥ 4500 | 39.1 | 50.5 | 52.7 | 53.8 | 54.6 | 54.9 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| ≥ 4000 | 40.7 | 53.1 | 55.6 | 56.6 | 57.8 | 58.1 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 |
| ≥ 3500 | 42.2 | 55.2 | 58.1 | 59.2 | 60.4 | 60.6 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| ≥ 3000 | 43.6 | 57.3 | 60.5 | 61.8 | 63.1 | 63.5 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 | 64.0 |
| ≥ 2500 | 44.7 | 60.0 | 63.9 | 65.7 | 67.6 | 68.1 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 | 68.8 |
| ≥ 2000 | 45.1 | 63.1 | 67.6 | 70.1 | 72.4 | 73.0 | 74.2 | 74.2 | 74.2 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| ≥ 1800 | 45.2 | 63.7 | 68.3 | 70.8 | 73.1 | 73.6 | 74.8 | 74.8 | 74.8 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| ≥ 1500 | 46.1 | 66.0 | 70.5 | 73.2 | 76.0 | 76.7 | 78.0 | 78.0 | 78.0 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| ≥ 1200 | 46.1 | 67.2 | 72.7 | 75.6 | 78.4 | 79.1 | 80.6 | 80.6 | 80.6 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| ≥ 1000 | 46.7 | 69.1 | 74.8 | 78.0 | 81.3 | 82.1 | 83.5 | 83.7 | 83.7 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| ≥ 900 | 46.7 | 69.3 | 75.1 | 78.4 | 81.7 | 82.5 | 83.9 | 84.1 | 84.1 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 |
| ≥ 800 | 46.7 | 70.0 | 75.9 | 79.3 | 82.6 | 83.5 | 85.1 | 85.3 | 85.3 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| ≥ 700 | 46.7 | 70.3 | 76.2 | 79.7 | 83.0 | 83.9 | 85.8 | 85.9 | 85.9 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| ≥ 600 | 46.7 | 71.0 | 77.2 | 81.0 | 84.5 | 85.4 | 87.3 | 87.6 | 87.6 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 500 | 46.7 | 71.1 | 77.4 | 81.7 | 85.7 | 86.7 | 88.9 | 89.7 | 89.7 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 400 | 46.7 | 71.2 | 77.8 | 82.9 | 86.9 | 88.0 | 90.4 | 91.4 | 91.4 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 |
| ≥ 300 | 46.7 | 71.2 | 77.8 | 82.9 | 87.4 | 88.6 | 91.4 | 92.5 | 92.5 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.4 | 94.4 |
| ≥ 200 | 46.7 | 71.2 | 77.8 | 82.9 | 87.4 | 88.6 | 91.6 | 92.9 | 92.9 | 95.0 | 95.3 | 95.3 | 95.4 | 95.4 | 95.9 | 95.9 |
| ≥ 100 | 46.7 | 71.2 | 77.8 | 82.9 | 87.4 | 88.6 | 91.7 | 93.0 | 93.0 | 95.6 | 96.0 | 96.0 | 96.5 | 96.5 | 97.5 | 98.0 |
| ≥ 0 | 46.7 | 71.2 | 77.8 | 82.9 | 87.4 | 88.6 | 91.7 | 93.0 | 93.0 | 95.6 | 96.0 | 96.0 | 96.5 | 96.5 | 97.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 747

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

1989

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

[illegible]46 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 22.7 | 30.3 | 31.5 | 32.7 | 32.8 | 32.8 | 33.6 | 33.6 | 33.6 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 |
| ≥ 20000 | 23.9 | 32.1 | 33.3 | 34.5 | 34.7 | 34.7 | 35.5 | 35.5 | 35.5 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| ≥ 18000 | 23.9 | 32.1 | 33.3 | 34.5 | 34.7 | 34.7 | 35.5 | 35.5 | 35.5 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| ≥ 16000 | 23.9 | 32.1 | 33.3 | 34.5 | 34.7 | 34.7 | 35.5 | 35.5 | 35.5 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| ≥ 14000 | 24.3 | 32.5 | 33.7 | 34.9 | 35.1 | 35.1 | 35.9 | 35.9 | 35.9 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| ≥ 12000 | 25.1 | 34.1 | 35.3 | 36.5 | 36.7 | 36.7 | 37.5 | 37.5 | 37.5 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 |
| ≥ 10000 | 27.9 | 38.1 | 39.5 | 40.7 | 41.1 | 41.1 | 41.9 | 41.9 | 41.9 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 |
| ≥ 9000 | 28.1 | 38.8 | 40.1 | 41.3 | 41.7 | 41.7 | 42.5 | 42.5 | 42.5 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 8000 | 28.8 | 40.4 | 42.0 | 43.2 | 43.6 | 43.6 | 44.4 | 44.4 | 44.4 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| ≥ 7000 | 29.6 | 41.2 | 42.8 | 44.0 | 44.4 | 44.4 | 45.2 | 45.2 | 45.2 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 |
| ≥ 6000 | 30.1 | 41.9 | 43.7 | 44.9 | 45.5 | 45.5 | 46.3 | 46.3 | 46.3 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| ≥ 5000 | 33.9 | 46.8 | 49.1 | 50.3 | 51.1 | 51.2 | 52.0 | 52.0 | 52.0 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| ≥ 4500 | 34.3 | 47.3 | 49.6 | 50.8 | 51.6 | 51.7 | 52.5 | 52.5 | 52.5 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 | 52.7 |
| ≥ 4000 | 35.9 | 49.7 | 52.4 | 53.7 | 54.9 | 55.1 | 55.9 | 55.9 | 55.9 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 | 56.0 |
| ≥ 3500 | 37.2 | 52.5 | 55.9 | 57.3 | 58.7 | 58.8 | 59.7 | 59.7 | 59.7 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| ≥ 3000 | 38.0 | 53.7 | 57.1 | 58.7 | 60.3 | 60.5 | 61.5 | 61.5 | 61.5 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 | 61.6 |
| ≥ 2500 | 38.9 | 56.5 | 60.7 | 62.8 | 64.9 | 65.2 | 66.1 | 66.1 | 66.1 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| ≥ 2000 | 39.6 | 58.8 | 63.3 | 65.6 | 68.1 | 68.7 | 69.7 | 69.7 | 69.7 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| ≥ 1800 | 39.7 | 59.3 | 64.0 | 66.4 | 68.9 | 69.5 | 70.5 | 70.5 | 70.5 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| ≥ 1500 | 39.9 | 63.3 | 68.7 | 71.7 | 74.3 | 74.9 | 76.3 | 76.4 | 76.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| ≥ 1200 | 40.1 | 64.8 | 70.3 | 73.3 | 75.9 | 76.5 | 77.9 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| ≥ 1000 | 40.3 | 65.9 | 72.0 | 75.6 | 78.9 | 79.6 | 81.2 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| ≥ 900 | 40.8 | 66.7 | 72.9 | 76.7 | 80.5 | 81.2 | 82.8 | 83.1 | 83.1 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| ≥ 800 | 41.1 | 68.0 | 74.8 | 79.1 | 83.1 | 83.7 | 85.6 | 86.1 | 86.1 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| ≥ 700 | 41.1 | 68.0 | 74.8 | 79.1 | 83.1 | 83.7 | 86.0 | 86.7 | 86.7 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 600 | 41.3 | 69.2 | 76.4 | 80.7 | 84.8 | 85.7 | 88.1 | 88.8 | 88.8 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| ≥ 500 | 41.3 | 69.5 | 76.8 | 81.3 | 85.9 | 86.8 | 90.3 | 91.1 | 91.1 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 400 | 41.3 | 69.5 | 76.8 | 81.9 | 86.8 | 87.7 | 91.5 | 92.4 | 92.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 300 | 41.3 | 69.5 | 76.8 | 81.9 | 86.8 | 87.7 | 91.6 | 92.7 | 92.7 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 200 | 41.3 | 69.5 | 76.8 | 81.9 | 86.8 | 87.7 | 91.7 | 92.9 | 92.9 | 94.5 | 94.8 | 94.8 | 95.6 | 95.6 | 96.3 | 96.4 |
| ≥ 100 | 41.3 | 69.5 | 76.8 | 81.9 | 86.8 | 87.7 | 91.7 | 92.9 | 92.9 | 94.7 | 95.3 | 95.3 | 96.7 | 96.7 | 97.5 | 98.4 |
| ≥ 0 | 41.3 | 69.5 | 76.8 | 81.9 | 86.8 | 87.7 | 91.7 | 92.9 | 92.9 | 94.8 | 95.5 | 95.5 | 96.8 | 96.8 | 97.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 750

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

| 725246 | MANSFIELD LAHM MAP OH | 73-81 | FEB |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | |
| NO CEILING | 8.4 | 23.1 | 24.7 | 25.9 | 26.5 | 26.6 | 27.0 | 27.1 | 27.1 | 27.3 | 27.3 | 27.3 | 27.4 | 27.4 | 27.4 | 27.4 |
| ≥ 20000 | 9.4 | 25.9 | 27.5 | 28.7 | 29.3 | 29.4 | 29.8 | 29.9 | 29.9 | 30.1 | 30.1 | 30.1 | 30.3 | 30.3 | 30.3 | 30.3 |
| ≥ 18000 | 9.4 | 25.9 | 27.5 | 28.7 | 29.3 | 29.4 | 29.8 | 29.9 | 29.9 | 30.1 | 30.1 | 30.1 | 30.3 | 30.3 | 30.3 | 30.3 |
| ≥ 16000 | 9.4 | 25.9 | 27.5 | 28.7 | 29.3 | 29.4 | 29.8 | 29.9 | 29.9 | 30.1 | 30.1 | 30.1 | 30.3 | 30.3 | 30.3 | 30.3 |
| ≥ 14000 | 9.8 | 26.5 | 28.1 | 29.3 | 29.8 | 29.9 | 30.3 | 30.5 | 30.5 | 30.6 | 30.6 | 30.6 | 30.9 | 30.9 | 30.9 | 30.9 |
| ≥ 12000 | 10.6 | 28.1 | 29.7 | 30.9 | 31.5 | 31.6 | 32.0 | 32.2 | 32.2 | 32.3 | 32.3 | 32.3 | 32.6 | 32.6 | 32.6 | 32.6 |
| ≥ 10000 | 11.0 | 29.1 | 30.7 | 31.9 | 32.7 | 32.8 | 33.2 | 33.4 | 33.4 | 33.5 | 33.5 | 33.5 | 33.8 | 33.8 | 33.8 | 33.8 |
| ≥ 9000 | 11.7 | 30.2 | 31.8 | 33.0 | 33.8 | 33.9 | 34.3 | 34.4 | 34.4 | 34.6 | 34.6 | 34.6 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 8000 | 12.4 | 30.9 | 32.4 | 33.6 | 34.4 | 34.6 | 35.0 | 35.1 | 35.1 | 35.2 | 35.2 | 35.2 | 35.5 | 35.5 | 35.5 | 35.5 |
| ≥ 7000 | 12.9 | 32.0 | 33.6 | 34.8 | 35.6 | 35.8 | 36.2 | 36.3 | 36.3 | 36.4 | 36.4 | 36.4 | 36.7 | 36.7 | 36.7 | 36.7 |
| ≥ 6000 | 12.9 | 32.7 | 34.3 | 35.5 | 36.3 | 36.4 | 36.8 | 37.0 | 37.0 | 37.1 | 37.1 | 37.1 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 5000 | 13.4 | 34.3 | 36.0 | 37.2 | 38.0 | 38.2 | 38.6 | 38.8 | 38.8 | 39.0 | 39.0 | 39.0 | 39.2 | 39.2 | 39.2 | 39.2 |
| ≥ 4500 | 14.2 | 36.8 | 39.0 | 40.3 | 41.1 | 41.2 | 41.9 | 42.2 | 42.2 | 42.3 | 42.3 | 42.3 | 42.6 | 42.6 | 42.6 | 42.6 |
| ≥ 4000 | 14.2 | 36.8 | 39.0 | 40.3 | 41.1 | 41.2 | 41.9 | 42.2 | 42.2 | 42.3 | 42.3 | 42.3 | 42.6 | 42.6 | 42.6 | 42.6 |
| ≥ 3500 | 14.4 | 38.3 | 40.8 | 42.3 | 43.1 | 43.2 | 43.9 | 44.1 | 44.1 | 44.3 | 44.3 | 44.3 | 44.5 | 44.5 | 44.5 | 44.5 |
| ≥ 3000 | 15.8 | 41.5 | 44.0 | 45.7 | 46.7 | 46.9 | 47.6 | 47.9 | 47.9 | 48.0 | 48.0 | 48.0 | 48.3 | 48.3 | 48.3 | 48.3 |
| ≥ 2500 | 16.9 | 44.9 | 48.1 | 50.7 | 51.7 | 52.1 | 52.8 | 53.1 | 53.1 | 53.6 | 53.6 | 53.6 | 53.9 | 53.9 | 53.9 | 53.9 |
| ≥ 2000 | 17.8 | 48.5 | 52.7 | 55.7 | 56.9 | 57.4 | 58.6 | 58.9 | 58.9 | 59.6 | 59.6 | 59.6 | 59.8 | 59.8 | 59.8 | 59.8 |
| ≥ 1800 | 18.2 | 49.6 | 53.9 | 56.9 | 58.1 | 58.8 | 60.1 | 60.4 | 60.4 | 61.0 | 61.0 | 61.0 | 61.3 | 61.3 | 61.3 | 61.3 |
| ≥ 1500 | 18.9 | 52.9 | 57.4 | 61.4 | 62.9 | 64.0 | 65.6 | 66.2 | 66.2 | 67.2 | 67.2 | 67.2 | 67.4 | 67.4 | 67.4 | 67.4 |
| ≥ 1200 | 19.4 | 55.7 | 61.0 | 65.2 | 67.0 | 68.2 | 69.9 | 70.7 | 70.7 | 71.8 | 71.8 | 71.8 | 72.1 | 72.1 | 72.1 | 72.1 |
| ≥ 1000 | 19.5 | 57.7 | 64.1 | 68.4 | 70.3 | 71.8 | 73.5 | 74.3 | 74.5 | 75.7 | 75.7 | 75.7 | 75.9 | 75.9 | 75.9 | 75.9 |
| ≥ 900 | 20.1 | 59.0 | 65.7 | 69.9 | 72.2 | 73.7 | 75.4 | 76.5 | 76.6 | 77.8 | 77.8 | 77.8 | 78.2 | 78.2 | 78.2 | 78.2 |
| ≥ 800 | 20.2 | 60.4 | 67.4 | 72.3 | 75.0 | 76.6 | 78.5 | 79.8 | 79.9 | 81.3 | 81.5 | 81.5 | 81.9 | 81.9 | 81.9 | 81.9 |
| ≥ 700 | 20.3 | 61.4 | 68.8 | 73.9 | 76.6 | 78.3 | 80.2 | 81.8 | 81.9 | 83.2 | 83.5 | 83.5 | 83.9 | 83.9 | 83.9 | 83.9 |
| ≥ 600 | 20.5 | 62.5 | 69.9 | 75.8 | 79.0 | 81.3 | 83.5 | 85.2 | 85.4 | 86.8 | 87.1 | 87.1 | 87.5 | 87.5 | 87.5 | 87.5 |
| ≥ 500 | 20.5 | 62.8 | 70.5 | 76.9 | 80.1 | 82.8 | 85.6 | 88.3 | 88.4 | 90.2 | 90.6 | 90.6 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 400 | 20.5 | 62.8 | 70.5 | 77.3 | 80.6 | 83.9 | 87.1 | 89.9 | 90.0 | 91.8 | 92.2 | 92.2 | 92.6 | 92.6 | 92.6 | 92.6 |
| ≥ 300 | 20.5 | 62.8 | 70.6 | 77.5 | 80.9 | 84.2 | 87.5 | 90.6 | 90.7 | 92.4 | 92.8 | 92.8 | 93.4 | 93.5 | 93.6 | 93.6 |
| ≥ 200 | 20.5 | 62.8 | 70.6 | 77.5 | 80.9 | 84.2 | 88.0 | 91.2 | 91.4 | 93.6 | 94.3 | 94.3 | 94.9 | 95.1 | 95.9 | 96.3 |
| ≥ 100 | 20.5 | 62.8 | 70.6 | 77.5 | 80.9 | 84.2 | 88.0 | 91.2 | 91.4 | 93.6 | 94.4 | 94.4 | 95.2 | 95.6 | 96.8 | 97.7 |
| ≥ 0 | 20.5 | 62.8 | 70.6 | 77.5 | 80.9 | 84.2 | 88.0 | 91.2 | 91.4 | 93.6 | 94.4 | 94.4 | 95.3 | 95.7 | 97.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 752

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

1090

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72?246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 4.9 | 26.8 | 28.4 | 29.5 | 30.0 | 30.4 | 31.1 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.4 | 31.4 | 31.4 | 31.4 |
| ≥ 20000 | 5.3 | 31.5 | 33.2 | 34.7 | 35.8 | 36.2 | 37.0 | 37.1 | 37.1 | 37.2 | 37.2 | 37.2 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 18000 | 5.3 | 31.5 | 33.2 | 34.7 | 35.8 | 36.2 | 37.0 | 37.1 | 37.1 | 37.2 | 37.2 | 37.2 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 16000 | 5.3 | 31.5 | 33.2 | 34.7 | 35.8 | 36.2 | 37.0 | 37.1 | 37.1 | 37.2 | 37.2 | 37.2 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 14000 | 5.6 | 32.0 | 33.8 | 35.2 | 36.3 | 36.7 | 37.5 | 37.7 | 37.7 | 37.8 | 37.8 | 37.8 | 37.9 | 37.9 | 37.9 | 37.9 |
| ≥ 12000 | 5.6 | 33.5 | 35.2 | 36.7 | 37.8 | 38.2 | 39.0 | 39.1 | 39.1 | 39.3 | 39.3 | 39.3 | 39.4 | 39.4 | 39.4 | 39.4 |
| ≥ 10000 | 5.6 | 34.3 | 36.3 | 37.9 | 39.0 | 39.5 | 40.3 | 40.5 | 40.5 | 40.6 | 40.6 | 40.6 | 40.7 | 40.7 | 40.7 | 40.7 |
| ≥ 9000 | 5.7 | 34.8 | 37.2 | 38.9 | 39.9 | 40.5 | 41.3 | 41.4 | 41.4 | 41.5 | 41.5 | 41.5 | 41.7 | 41.7 | 41.7 | 41.7 |
| ≥ 8000 | 6.4 | 36.0 | 38.5 | 40.1 | 41.1 | 41.7 | 42.5 | 42.6 | 42.6 | 42.7 | 42.7 | 42.7 | 42.9 | 42.9 | 42.9 | 42.9 |
| ≥ 7000 | 6.4 | 37.1 | 39.5 | 41.1 | 42.2 | 42.7 | 43.5 | 43.7 | 43.7 | 43.8 | 43.8 | 43.8 | 43.9 | 43.9 | 43.9 | 43.9 |
| ≥ 6000 | 6.4 | 37.4 | 39.8 | 41.4 | 42.5 | 43.0 | 43.8 | 43.9 | 43.9 | 44.1 | 44.1 | 44.1 | 44.2 | 44.2 | 44.2 | 44.2 |
| ≥ 5000 | 6.4 | 37.8 | 40.2 | 41.8 | 42.9 | 43.4 | 44.2 | 44.3 | 44.3 | 44.5 | 44.5 | 44.5 | 44.6 | 44.6 | 44.6 | 44.6 |
| ≥ 4500 | 6.5 | 39.5 | 42.1 | 43.7 | 44.7 | 45.8 | 46.7 | 46.9 | 46.9 | 47.0 | 47.0 | 47.0 | 47.1 | 47.1 | 47.1 | 47.1 |
| ≥ 4000 | 6.5 | 39.7 | 42.2 | 43.8 | 44.9 | 45.9 | 46.9 | 47.0 | 47.0 | 47.1 | 47.1 | 47.1 | 47.3 | 47.3 | 47.3 | 47.3 |
| ≥ 3500 | 6.5 | 40.7 | 43.3 | 45.0 | 46.1 | 47.1 | 48.1 | 48.2 | 48.2 | 48.5 | 48.5 | 48.5 | 48.6 | 48.6 | 48.6 | 48.6 |
| ≥ 3000 | 6.8 | 42.6 | 45.3 | 47.1 | 48.6 | 49.8 | 50.7 | 50.9 | 50.9 | 51.1 | 51.1 | 51.1 | 51.3 | 51.3 | 51.3 | 51.3 |
| ≥ 2500 | 7.2 | 45.3 | 48.1 | 50.2 | 51.9 | 53.3 | 54.6 | 55.0 | 55.0 | 55.3 | 55.3 | 55.3 | 55.4 | 55.4 | 55.4 | 55.4 |
| ≥ 2000 | 8.1 | 48.1 | 51.3 | 54.2 | 56.5 | 58.2 | 60.3 | 60.9 | 60.9 | 61.5 | 61.5 | 61.5 | 61.7 | 61.7 | 61.7 | 61.7 |
| ≥ 1800 | 8.1 | 49.0 | 52.3 | 55.3 | 57.7 | 59.4 | 61.5 | 62.1 | 62.1 | 62.8 | 62.8 | 62.8 | 62.9 | 62.9 | 62.9 | 62.9 |
| ≥ 1500 | 8.4 | 51.7 | 55.5 | 58.9 | 61.8 | 64.3 | 67.2 | 68.4 | 68.4 | 69.4 | 69.4 | 69.4 | 69.6 | 69.6 | 69.6 | 69.6 |
| ≥ 1200 | 8.7 | 53.9 | 58.6 | 62.2 | 65.6 | 67.8 | 71.6 | 73.3 | 73.3 | 74.8 | 75.0 | 75.0 | 75.2 | 75.2 | 75.2 | 75.2 |
| ≥ 1000 | 8.7 | 55.3 | 60.3 | 64.1 | 67.7 | 70.1 | 74.5 | 76.9 | 76.9 | 78.6 | 79.2 | 79.2 | 79.4 | 79.4 | 79.4 | 79.4 |
| ≥ 900 | 8.7 | 56.1 | 61.1 | 65.2 | 69.2 | 71.6 | 76.2 | 79.0 | 79.0 | 80.8 | 81.6 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 |
| ≥ 800 | 8.7 | 56.3 | 61.7 | 65.8 | 70.0 | 72.6 | 77.7 | 81.0 | 81.0 | 83.3 | 84.4 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 |
| ≥ 700 | 8.7 | 56.6 | 62.2 | 66.5 | 70.9 | 73.7 | 79.2 | 82.8 | 82.8 | 85.3 | 86.4 | 86.4 | 86.8 | 86.8 | 86.8 | 86.8 |
| ≥ 600 | 8.7 | 57.0 | 62.9 | 67.4 | 72.5 | 75.6 | 81.6 | 85.7 | 86.0 | 88.8 | 90.1 | 90.1 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 500 | 8.7 | 57.3 | 63.2 | 67.8 | 73.2 | 76.9 | 83.4 | 87.6 | 87.9 | 90.9 | 92.5 | 92.5 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 400 | 8.7 | 57.3 | 63.2 | 67.8 | 73.3 | 77.2 | 84.1 | 88.7 | 88.9 | 92.1 | 94.0 | 94.0 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 300 | 8.7 | 57.3 | 63.2 | 67.8 | 73.3 | 77.3 | 84.4 | 89.1 | 89.3 | 92.7 | 94.9 | 94.9 | 95.7 | 95.9 | 95.9 | 95.9 |
| ≥ 200 | 8.7 | 57.3 | 63.2 | 67.8 | 73.3 | 77.3 | 84.4 | 89.1 | 89.3 | 92.7 | 95.2 | 95.2 | 96.5 | 96.9 | 97.3 | 97.5 |
| ≥ 100 | 8.7 | 57.3 | 63.2 | 67.8 | 73.3 | 77.3 | 84.4 | 89.1 | 89.3 | 92.8 | 95.3 | 95.3 | 96.8 | 97.6 | 98.4 | 99.1 |
| ≥ 0 | 8.7 | 57.3 | 63.2 | 67.8 | 73.3 | 77.3 | 84.4 | 89.1 | 89.3 | 92.8 | 95.3 | 95.3 | 96.9 | 97.7 | 98.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 749

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 9.4 | 30.4 | 30.8 | 31.6 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 | 31.9 |
| ≥ 20000 | 10.3 | 35.3 | 35.9 | 36.7 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| ≥ 18000 | 10.3 | 35.3 | 35.9 | 36.7 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| ≥ 16000 | 10.3 | 35.3 | 35.9 | 36.7 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| ≥ 14000 | 10.3 | 35.5 | 36.0 | 36.8 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 |
| ≥ 12000 | 10.6 | 36.3 | 36.8 | 37.6 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 | 37.9 |
| ≥ 10000 | 10.6 | 37.8 | 38.4 | 39.4 | 39.7 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 |
| ≥ 9000 | 10.6 | 37.9 | 38.6 | 39.5 | 39.8 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 |
| ≥ 8000 | 10.6 | 38.4 | 39.1 | 40.2 | 40.5 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 | 40.6 |
| ≥ 7000 | 10.6 | 39.4 | 40.1 | 41.1 | 41.5 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 |
| ≥ 6000 | 10.6 | 39.4 | 40.1 | 41.1 | 41.5 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 | 41.8 |
| ≥ 5000 | 11.2 | 40.3 | 41.0 | 42.1 | 42.5 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 4500 | 11.2 | 40.9 | 42.1 | 43.3 | 43.8 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 |
| ≥ 4000 | 11.2 | 41.0 | 42.2 | 43.4 | 44.0 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| ≥ 3500 | 11.3 | 42.2 | 43.4 | 44.6 | 45.3 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| ≥ 3000 | 11.4 | 44.6 | 45.8 | 47.3 | 48.0 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 |
| ≥ 2500 | 12.1 | 47.4 | 48.7 | 50.1 | 50.8 | 51.3 | 51.6 | 51.6 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| ≥ 2000 | 14.0 | 55.6 | 57.3 | 59.0 | 60.2 | 61.2 | 61.8 | 62.1 | 62.1 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| ≥ 1800 | 14.0 | 57.9 | 59.8 | 61.7 | 62.9 | 64.0 | 64.8 | 65.1 | 65.1 | 65.6 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| ≥ 1500 | 14.2 | 61.4 | 64.4 | 66.8 | 69.0 | 70.4 | 71.9 | 72.3 | 72.3 | 73.3 | 73.8 | 73.8 | 73.9 | 73.9 | 73.9 | 73.9 |
| ≥ 1200 | 14.5 | 65.1 | 69.0 | 72.3 | 75.3 | 77.2 | 78.9 | 79.7 | 79.7 | 81.6 | 82.4 | 82.4 | 82.7 | 82.7 | 82.7 | 82.7 |
| ≥ 1000 | 14.5 | 65.6 | 69.8 | 73.7 | 76.7 | 78.8 | 80.6 | 81.5 | 81.5 | 83.3 | 84.3 | 84.3 | 84.5 | 84.5 | 84.5 | 84.5 |
| ≥ 900 | 14.7 | 66.4 | 70.8 | 74.7 | 77.8 | 79.8 | 81.9 | 82.7 | 82.7 | 84.7 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 |
| ≥ 800 | 14.7 | 67.3 | 71.9 | 76.2 | 79.7 | 82.0 | 84.4 | 85.3 | 85.3 | 87.5 | 88.4 | 88.4 | 88.8 | 88.8 | 88.8 | 88.8 |
| ≥ 700 | 14.7 | 68.0 | 72.8 | 77.6 | 81.3 | 83.6 | 86.4 | 87.6 | 87.8 | 90.1 | 91.0 | 91.0 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 600 | 14.7 | 68.0 | 73.0 | 78.0 | 81.9 | 84.5 | 87.8 | 89.2 | 89.7 | 92.2 | 93.1 | 93.1 | 93.7 | 93.8 | 93.8 | 93.8 |
| ≥ 500 | 14.7 | 68.1 | 73.1 | 78.1 | 82.0 | 84.7 | 88.6 | 90.1 | 90.5 | 93.5 | 94.8 | 94.8 | 95.3 | 95.4 | 95.4 | 95.4 |
| ≥ 400 | 14.7 | 68.3 | 73.3 | 78.2 | 82.1 | 84.9 | 88.8 | 90.5 | 90.9 | 94.1 | 95.4 | 95.4 | 96.2 | 96.4 | 96.4 | 96.4 |
| ≥ 300 | 14.7 | 68.3 | 73.3 | 78.2 | 82.1 | 85.1 | 89.2 | 91.0 | 91.4 | 95.0 | 96.8 | 96.8 | 97.6 | 97.8 | 97.8 | 97.8 |
| ≥ 200 | 14.7 | 68.3 | 73.3 | 78.2 | 82.1 | 85.1 | 89.2 | 91.4 | 91.8 | 95.8 | 97.8 | 97.8 | 98.8 | 99.1 | 99.2 | 99.2 |
| ≥ 100 | 14.7 | 68.3 | 73.3 | 78.2 | 82.1 | 85.1 | 89.2 | 91.4 | 91.8 | 95.8 | 97.8 | 97.8 | 99.2 | 99.5 | 99.6 | 99.7 |
| ≥ 0 | 14.7 | 68.3 | 73.3 | 78.2 | 82.1 | 85.1 | 89.2 | 91.4 | 91.8 | 95.8 | 97.8 | 97.8 | 99.2 | 99.5 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 744

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

1991

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72[illegible]246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

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

1500-1700 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 11.2 | 30.2 | 30.5 | 30.7 | 30.9 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| ≥ 20000 | 13.0 | 36.9 | 37.2 | 37.4 | 37.6 | 37.7 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 |
| ≥ 18000 | 13.0 | 36.9 | 37.2 | 37.4 | 37.6 | 37.7 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 |
| ≥ 16000 | 13.0 | 36.9 | 37.2 | 37.4 | 37.6 | 37.7 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 |
| ≥ 14000 | 13.0 | 37.2 | 37.4 | 37.7 | 37.8 | 38.0 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 |
| ≥ 12000 | 13.2 | 38.8 | 39.0 | 39.3 | 39.4 | 39.6 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| ≥ 10000 | 13.2 | 39.4 | 39.7 | 40.0 | 40.1 | 40.2 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 |
| ≥ 9000 | 13.8 | 40.2 | 40.5 | 40.8 | 40.9 | 41.0 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 | 41.2 |
| ≥ 8000 | 13.9 | 41.2 | 41.4 | 41.7 | 41.8 | 42.0 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 |
| ≥ 7000 | 13.9 | 41.7 | 42.0 | 42.2 | 42.4 | 42.5 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| ≥ 6000 | 13.9 | 42.4 | 42.6 | 42.9 | 43.0 | 43.2 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 5000 | 14.0 | 42.8 | 43.0 | 43.3 | 43.4 | 43.6 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 |
| ≥ 4500 | 14.0 | 44.3 | 44.7 | 44.9 | 45.1 | 45.2 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 |
| ≥ 4000 | 14.0 | 44.4 | 44.8 | 45.1 | 45.2 | 45.3 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| ≥ 3500 | 14.3 | 45.5 | 46.8 | 47.1 | 47.3 | 47.5 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 3000 | 14.3 | 47.5 | 48.8 | 49.2 | 49.5 | 49.6 | 49.7 | 49.9 | 49.9 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 |
| ≥ 2500 | 15.0 | 51.9 | 53.2 | 53.7 | 54.0 | 54.1 | 54.8 | 54.9 | 54.9 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| ≥ 2000 | 16.0 | 57.5 | 59.0 | 59.8 | 60.3 | 60.7 | 61.8 | 62.6 | 62.6 | 63.4 | 63.4 | 63.4 | 63.5 | 63.5 | 63.5 | 63.5 |
| ≥ 1800 | 16.0 | 59.0 | 60.4 | 61.5 | 62.0 | 62.4 | 64.0 | 65.0 | 65.0 | 65.8 | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 |
| ≥ 1500 | 16.2 | 63.8 | 66.3 | 67.9 | 69.1 | 69.7 | 72.1 | 73.9 | 73.9 | 75.3 | 75.5 | 75.5 | 75.9 | 75.9 | 75.9 | 75.9 |
| ≥ 1200 | 16.6 | 66.3 | 69.4 | 71.5 | 73.4 | 74.7 | 77.3 | 79.4 | 79.4 | 80.7 | 81.0 | 81.0 | 81.8 | 81.8 | 81.8 | 81.8 |
| ≥ 1000 | 16.6 | 67.4 | 70.6 | 72.9 | 74.7 | 76.1 | 79.1 | 81.6 | 81.6 | 83.3 | 83.6 | 83.6 | 84.4 | 84.4 | 84.4 | 84.4 |
| ≥ 900 | 16.6 | 67.8 | 71.0 | 73.4 | 75.3 | 76.6 | 79.7 | 82.1 | 82.1 | 83.8 | 84.1 | 84.1 | 84.9 | 84.9 | 84.9 | 84.9 |
| ≥ 800 | 16.6 | 67.9 | 71.3 | 74.5 | 76.6 | 77.9 | 81.0 | 83.4 | 83.4 | 85.6 | 85.8 | 85.8 | 87.0 | 87.0 | 87.0 | 87.0 |
| ≥ 700 | 16.6 | 68.2 | 71.5 | 74.9 | 77.0 | 78.6 | 81.7 | 84.4 | 84.5 | 87.0 | 87.6 | 87.6 | 89.0 | 89.0 | 89.2 | 89.2 |
| ≥ 600 | 16.6 | 68.3 | 71.9 | 75.5 | 77.7 | 79.5 | 83.0 | 86.4 | 86.6 | 89.3 | 90.2 | 90.2 | 92.0 | 92.1 | 92.2 | 92.2 |
| ≥ 500 | 16.6 | 68.6 | 72.3 | 75.9 | 78.2 | 80.1 | 84.0 | 87.3 | 87.6 | 90.8 | 92.2 | 92.2 | 94.5 | 94.8 | 94.9 | 94.9 |
| ≥ 400 | 16.6 | 68.6 | 72.3 | 76.1 | 78.3 | 80.3 | 84.2 | 87.7 | 88.0 | 91.3 | 92.8 | 92.8 | 95.3 | 95.7 | 95.9 | 95.9 |
| ≥ 300 | 16.6 | 68.6 | 72.3 | 76.2 | 78.6 | 80.6 | 85.0 | 88.8 | 89.0 | 92.8 | 94.4 | 94.4 | 97.3 | 97.7 | 97.9 | 97.9 |
| ≥ 200 | 16.6 | 68.6 | 72.3 | 76.2 | 78.6 | 80.6 | 85.0 | 89.0 | 89.3 | 93.6 | 95.6 | 95.6 | 99.1 | 99.5 | 99.6 | 99.6 |
| ≥ 100 | 16.6 | 68.6 | 72.3 | 76.2 | 78.6 | 80.6 | 85.0 | 89.0 | 89.3 | 93.6 | 95.7 | 95.7 | 99.3 | 99.7 | 99.9 | 99.9 |
| ≥ 0 | 16.6 | 68.6 | 72.3 | 76.2 | 78.6 | 80.6 | 85.0 | 89.0 | 89.3 | 93.6 | 95.7 | 95.7 | 99.3 | 99.7 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 748

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

| 725246 | MANSFIELD LAHM MAP OH | 73-81 | FEB |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 22.2 | 34.4 | 35.4 | 35.6 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| ≥ 20000 | 24.7 | 40.2 | 41.1 | 41.5 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 18000 | 24.7 | 40.2 | 41.1 | 41.5 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 16000 | 24.7 | 40.2 | 41.1 | 41.5 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 14000 | 25.0 | 40.5 | 41.4 | 41.8 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| ≥ 12000 | 25.5 | 42.3 | 43.3 | 43.7 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 |
| ≥ 10000 | 26.2 | 43.4 | 44.3 | 44.7 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 |
| ≥ 9000 | 26.4 | 43.9 | 44.9 | 45.3 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 8000 | 26.6 | 44.6 | 45.5 | 45.9 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| ≥ 7000 | 27.1 | 45.7 | 46.6 | 47.0 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| ≥ 6000 | 27.4 | 46.9 | 47.8 | 48.2 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 |
| ≥ 5000 | 28.2 | 50.1 | 51.3 | 51.9 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 |
| ≥ 4500 | 28.8 | 51.1 | 52.3 | 53.1 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| ≥ 4000 | 29.8 | 53.1 | 54.7 | 55.5 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 | 56.1 |
| ≥ 3500 | 30.4 | 55.0 | 57.5 | 58.7 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 |
| ≥ 3000 | 31.2 | 57.8 | 60.7 | 62.1 | 62.8 | 62.9 | 63.0 | 63.0 | 63.0 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| ≥ 2500 | 31.9 | 59.8 | 63.0 | 64.6 | 65.3 | 65.4 | 65.6 | 65.6 | 65.6 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| ≥ 2000 | 32.8 | 63.2 | 66.8 | 68.8 | 69.8 | 70.1 | 70.5 | 70.6 | 70.6 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| ≥ 1800 | 32.8 | 64.1 | 67.7 | 69.8 | 71.0 | 71.3 | 71.7 | 72.0 | 72.0 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| ≥ 1500 | 33.2 | 67.0 | 71.7 | 74.4 | 76.0 | 76.6 | 77.3 | 77.8 | 77.8 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| ≥ 1200 | 33.6 | 68.9 | 73.8 | 76.5 | 78.2 | 79.0 | 79.7 | 80.2 | 80.2 | 80.5 | 80.5 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 |
| ≥ 1000 | 33.9 | 69.7 | 75.4 | 78.4 | 80.5 | 81.6 | 82.8 | 83.6 | 83.6 | 83.8 | 83.8 | 83.8 | 84.1 | 84.1 | 84.1 | 84.1 |
| ≥ 900 | 33.9 | 69.8 | 75.6 | 78.8 | 81.2 | 82.2 | 83.4 | 84.4 | 84.4 | 84.8 | 84.8 | 84.8 | 85.0 | 85.0 | 85.0 | 85.0 |
| ≥ 800 | 33.9 | 70.0 | 76.0 | 80.0 | 82.5 | 83.6 | 85.2 | 86.1 | 86.1 | 86.5 | 86.5 | 86.5 | 86.8 | 86.8 | 86.8 | 86.8 |
| ≥ 700 | 33.9 | 70.0 | 76.0 | 80.0 | 82.8 | 83.8 | 85.4 | 86.5 | 86.5 | 87.2 | 87.3 | 87.3 | 87.6 | 87.6 | 87.6 | 87.6 |
| ≥ 600 | 33.9 | 70.1 | 76.1 | 80.1 | 83.2 | 84.4 | 86.2 | 87.6 | 87.6 | 88.7 | 89.1 | 89.1 | 89.5 | 89.5 | 89.5 | 89.6 |
| ≥ 500 | 33.9 | 70.4 | 76.5 | 80.6 | 83.8 | 85.3 | 87.3 | 89.3 | 89.3 | 90.9 | 91.7 | 91.7 | 92.3 | 92.3 | 92.4 | 92.5 |
| ≥ 400 | 33.9 | 70.4 | 76.5 | 80.6 | 83.8 | 85.3 | 87.6 | 90.0 | 90.0 | 92.1 | 93.3 | 93.3 | 94.0 | 94.0 | 94.1 | 94.3 |
| ≥ 300 | 33.9 | 70.4 | 76.6 | 80.8 | 84.1 | 85.6 | 88.0 | 90.5 | 90.5 | 93.1 | 94.4 | 94.4 | 95.2 | 95.2 | 95.3 | 95.5 |
| ≥ 200 | 33.9 | 70.4 | 76.6 | 80.8 | 84.1 | 85.6 | 88.0 | 90.7 | 90.7 | 93.5 | 95.1 | 95.1 | 96.7 | 97.1 | 97.7 | 97.9 |
| ≥ 100 | 33.9 | 70.4 | 76.6 | 80.8 | 84.1 | 85.6 | 88.0 | 90.7 | 90.7 | 93.5 | 95.1 | 95.1 | 97.7 | 98.4 | 99.2 | 99.6 |
| ≥ 0 | 33.9 | 70.4 | 76.6 | 80.8 | 84.1 | 85.6 | 88.0 | 90.7 | 90.7 | 93.5 | 95.1 | 95.1 | 97.9 | 98.5 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 749

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

1992

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 30.1 | 36.5 | 38.0 | 38.7 | 38.9 | 38.9 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 |
| ≥ 20000 | 31.7 | 38.4 | 39.9 | 40.5 | 40.8 | 40.8 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 |
| ≥ 18000 | 31.7 | 38.4 | 39.9 | 40.5 | 40.8 | 40.8 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 |
| ≥ 16000 | 31.7 | 38.4 | 39.9 | 40.5 | 40.8 | 40.8 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 |
| ≥ 14000 | 32.8 | 39.6 | 41.1 | 41.7 | 42.0 | 42.0 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 |
| ≥ 12000 | 33.3 | 40.5 | 42.0 | 42.7 | 42.9 | 42.9 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| ≥ 10000 | 35.6 | 44.0 | 45.5 | 46.1 | 46.4 | 46.4 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| ≥ 9000 | 35.6 | 44.3 | 45.9 | 46.5 | 46.8 | 46.8 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 |
| ≥ 8000 | 35.9 | 44.7 | 46.3 | 46.9 | 47.2 | 47.2 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| ≥ 7000 | 36.5 | 45.5 | 47.1 | 47.7 | 48.0 | 48.0 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 |
| ≥ 6000 | 37.3 | 46.8 | 48.4 | 49.1 | 49.3 | 49.3 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 |
| ≥ 5000 | 39.2 | 51.9 | 53.9 | 54.5 | 55.1 | 55.1 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| ≥ 4500 | 39.7 | 52.7 | 54.7 | 55.3 | 55.9 | 55.9 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| ≥ 4000 | 40.8 | 54.5 | 56.7 | 57.3 | 57.9 | 57.9 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 |
| ≥ 3500 | 41.9 | 56.8 | 59.7 | 60.7 | 61.2 | 61.2 | 61.9 | 61.9 | 61.9 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| ≥ 3000 | 43.3 | 59.7 | 62.9 | 63.9 | 64.4 | 64.4 | 65.1 | 65.2 | 65.2 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| ≥ 2500 | 44.1 | 61.6 | 66.0 | 66.9 | 67.5 | 67.5 | 68.1 | 68.3 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| ≥ 2000 | 45.7 | 64.8 | 70.1 | 71.5 | 72.3 | 72.3 | 73.3 | 73.5 | 73.5 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| ≥ 1800 | 45.7 | 65.3 | 70.8 | 72.4 | 73.2 | 73.2 | 74.3 | 74.4 | 74.4 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| ≥ 1500 | 46.1 | 67.9 | 74.1 | 76.1 | 77.1 | 77.3 | 78.4 | 78.5 | 78.5 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| ≥ 1200 | 46.7 | 69.7 | 76.4 | 78.4 | 79.5 | 79.9 | 81.3 | 81.6 | 81.6 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| ≥ 1000 | 46.9 | 70.5 | 77.6 | 79.9 | 81.2 | 81.6 | 83.2 | 83.6 | 83.6 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| ≥ 900 | 46.9 | 70.8 | 77.9 | 80.1 | 81.6 | 82.1 | 83.7 | 84.1 | 84.1 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| ≥ 800 | 47.1 | 71.6 | 78.8 | 81.6 | 83.1 | 83.6 | 85.5 | 85.9 | 85.9 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| ≥ 700 | 47.1 | 72.0 | 79.2 | 82.1 | 83.6 | 84.1 | 86.0 | 86.5 | 86.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| ≥ 600 | 47.1 | 72.0 | 79.5 | 82.4 | 84.0 | 84.7 | 86.5 | 87.2 | 87.2 | 88.1 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 500 | 47.1 | 72.3 | 79.7 | 82.8 | 84.7 | 85.3 | 87.9 | 88.7 | 88.7 | 89.9 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 400 | 47.1 | 72.4 | 79.9 | 83.1 | 85.1 | 85.9 | 89.1 | 90.4 | 90.4 | 91.7 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 300 | 47.1 | 72.4 | 79.9 | 83.1 | 85.3 | 86.3 | 90.1 | 91.5 | 91.6 | 93.5 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 200 | 47.1 | 72.4 | 79.9 | 83.1 | 85.3 | 86.3 | 90.3 | 91.9 | 92.0 | 94.1 | 95.1 | 95.1 | 95.9 | 96.0 | 96.4 | 96.4 |
| ≥ 100 | 47.1 | 72.4 | 79.9 | 83.1 | 85.3 | 86.3 | 90.3 | 92.0 | 92.1 | 94.8 | 96.0 | 96.0 | 97.1 | 97.2 | 97.9 | 99.1 |
| ≥ 0 | 47.1 | 72.4 | 79.9 | 83.2 | 85.5 | 86.4 | 90.4 | 92.1 | 92.3 | 94.9 | 96.1 | 96.1 | 97.2 | 97.3 | 98.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 750

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 16.9 | 30.6 | 31.8 | 32.6 | 33.0 | 33.1 | 33.3 | 33.3 | 33.3 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| ≥ 20000 | 18.4 | 34.5 | 35.6 | 36.5 | 37.0 | 37.1 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.5 | 37.5 | 37.5 | 37.5 |
| ≥ 18000 | 18.4 | 34.5 | 35.6 | 36.5 | 37.0 | 37.1 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.5 | 37.5 | 37.5 | 37.5 |
| ≥ 16000 | 18.4 | 34.5 | 35.6 | 36.5 | 37.0 | 37.1 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.5 | 37.5 | 37.5 | 37.5 |
| ≥ 14000 | 18.8 | 35.0 | 36.1 | 37.0 | 37.5 | 37.6 | 37.9 | 37.9 | 37.9 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 |
| ≥ 12000 | 19.3 | 36.4 | 37.5 | 38.4 | 38.9 | 39.0 | 39.3 | 39.3 | 39.3 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| ≥ 10000 | 20.4 | 38.4 | 39.6 | 40.6 | 41.1 | 41.2 | 41.5 | 41.5 | 41.5 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 9000 | 20.6 | 38.9 | 40.3 | 41.2 | 41.7 | 41.8 | 42.1 | 42.1 | 42.1 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 |
| ≥ 8000 | 21.1 | 39.8 | 41.2 | 42.1 | 42.6 | 42.8 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.2 | 43.2 | 43.2 | 43.2 |
| ≥ 7000 | 21.4 | 40.7 | 42.1 | 43.1 | 43.6 | 43.7 | 44.0 | 44.1 | 44.1 | 44.1 | 44.1 | 44.1 | 44.2 | 44.2 | 44.2 | 44.2 |
| ≥ 6000 | 21.8 | 41.5 | 42.9 | 43.9 | 44.4 | 44.6 | 44.8 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 45.0 | 45.0 | 45.0 | 45.0 |
| ≥ 5000 | 23.2 | 44.3 | 45.9 | 46.9 | 47.5 | 47.7 | 48.0 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 48.2 | 48.2 | 48.2 | 48.2 |
| ≥ 4500 | 23.5 | 45.4 | 47.1 | 48.2 | 48.8 | 49.0 | 49.5 | 49.5 | 49.5 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| ≥ 4000 | 24.1 | 46.6 | 48.4 | 49.5 | 50.2 | 50.5 | 50.9 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.1 | 51.1 | 51.1 | 51.1 |
| ≥ 3500 | 24.8 | 48.3 | 50.7 | 51.9 | 52.7 | 52.9 | 53.4 | 53.4 | 53.4 | 53.5 | 53.5 | 53.5 | 53.6 | 53.6 | 53.6 | 53.6 |
| ≥ 3000 | 25.6 | 50.6 | 53.1 | 54.5 | 55.4 | 55.8 | 56.3 | 56.3 | 56.3 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 | 56.5 |
| ≥ 2500 | 26.9 | 53.4 | 56.5 | 58.1 | 59.2 | 59.6 | 60.3 | 60.4 | 60.4 | 60.7 | 60.7 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 |
| ≥ 2000 | 27.4 | 57.4 | 61.0 | 63.1 | 64.6 | 65.2 | 66.3 | 66.6 | 66.6 | 67.0 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 |
| ≥ 1800 | 27.5 | 58.5 | 62.1 | 64.4 | 65.9 | 66.5 | 67.7 | 68.0 | 68.0 | 68.5 | 68.5 | 68.5 | 68.6 | 68.6 | 68.6 | 68.6 |
| ≥ 1500 | 27.9 | 61.7 | 66.1 | 68.8 | 70.8 | 71.7 | 73.3 | 74.0 | 74.0 | 74.7 | 74.8 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 |
| ≥ 1200 | 28.2 | 64.0 | 68.9 | 71.9 | 74.2 | 75.3 | 77.1 | 77.9 | 77.9 | 78.9 | 79.0 | 79.0 | 79.2 | 79.2 | 79.2 | 79.2 |
| ≥ 1000 | 28.4 | 65.1 | 70.6 | 73.9 | 76.4 | 77.7 | 79.8 | 80.8 | 80.8 | 81.9 | 82.1 | 82.1 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥ 900 | 28.6 | 65.7 | 71.3 | 74.7 | 77.4 | 78.7 | 80.9 | 82.0 | 82.0 | 83.1 | 83.3 | 83.3 | 83.6 | 83.6 | 83.6 | 83.6 |
| ≥ 800 | 28.6 | 66.4 | 72.2 | 76.1 | 79.1 | 80.4 | 82.9 | 84.1 | 84.1 | 85.4 | 85.7 | 85.7 | 86.1 | 86.1 | 86.1 | 86.1 |
| ≥ 700 | 28.6 | 66.8 | 72.7 | 76.7 | 79.8 | 81.2 | 83.8 | 85.3 | 85.3 | 86.7 | 87.1 | 87.1 | 87.5 | 87.5 | 87.5 | 87.5 |
| ≥ 600 | 28.7 | 67.3 | 73.4 | 77.6 | 80.9 | 82.6 | 85.5 | 87.2 | 87.3 | 88.9 | 89.4 | 89.4 | 89.8 | 89.9 | 89.9 | 89.9 |
| ≥ 500 | 28.7 | 67.5 | 73.7 | 78.1 | 81.7 | 83.6 | 87.0 | 89.0 | 89.1 | 91.0 | 91.8 | 91.8 | 92.3 | 92.4 | 92.4 | 92.4 |
| ≥ 400 | 28.7 | 67.5 | 73.8 | 78.5 | 82.1 | 84.2 | 87.8 | 90.1 | 90.2 | 92.4 | 93.3 | 93.3 | 93.9 | 94.0 | 94.1 | 94.1 |
| ≥ 300 | 28.7 | 67.5 | 73.8 | 78.5 | 82.3 | 84.4 | 88.4 | 90.8 | 91.0 | 93.4 | 94.4 | 94.4 | 95.2 | 95.3 | 95.4 | 95.4 |
| ≥ 200 | 28.7 | 67.5 | 73.8 | 78.5 | 82.3 | 84.4 | 88.5 | 91.1 | 91.3 | 94.1 | 95.4 | 95.4 | 96.6 | 96.8 | 97.3 | 97.4 |
| ≥ 100 | 28.7 | 67.5 | 73.8 | 78.5 | 82.3 | 84.4 | 88.5 | 91.2 | 91.3 | 94.3 | 95.7 | 95.7 | 97.3 | 97.6 | 98.3 | 98.9 |
| ≥ 0 | 28.7 | 67.5 | 73.8 | 78.6 | 82.3 | 84.4 | 88.6 | 91.2 | 91.3 | 94.3 | 95.7 | 95.7 | 97.4 | 97.7 | 98.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 5989

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

1993

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7 8246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 34.4 | 39.4 | 40.2 | 40.6 | 40.7 | 40.7 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| ≥ 20000 | 35.9 | 41.1 | 41.9 | 42.3 | 42.4 | 42.4 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 |
| ≥ 18000 | 35.9 | 41.1 | 41.9 | 42.3 | 42.4 | 42.4 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 |
| ≥ 16000 | 35.9 | 41.1 | 41.9 | 42.3 | 42.4 | 42.4 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 |
| ≥ 14000 | 36.5 | 41.7 | 42.5 | 42.9 | 43.0 | 43.0 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 |
| ≥ 12000 | 36.8 | 42.2 | 43.0 | 43.4 | 43.5 | 43.5 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 | 43.9 |
| ≥ 10000 | 40.2 | 46.7 | 47.5 | 47.9 | 48.0 | 48.0 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 |
| ≥ 9000 | 40.2 | 46.8 | 47.6 | 48.0 | 48.1 | 48.1 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 | 48.5 |
| ≥ 8000 | 40.7 | 47.6 | 48.5 | 48.8 | 49.1 | 49.1 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 |
| ≥ 7000 | 42.3 | 49.3 | 50.5 | 51.0 | 51.3 | 51.3 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| ≥ 6000 | 43.2 | 51.3 | 52.5 | 53.0 | 53.2 | 53.2 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| ≥ 5000 | 46.9 | 56.5 | 58.2 | 58.8 | 59.2 | 59.2 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| ≥ 4500 | 47.2 | 57.1 | 58.8 | 59.5 | 59.9 | 59.9 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 |
| ≥ 4000 | 49.0 | 60.1 | 62.1 | 62.8 | 63.3 | 63.3 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| ≥ 3500 | 50.4 | 62.8 | 64.7 | 65.7 | 66.2 | 66.2 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 |
| ≥ 3000 | 51.2 | 64.6 | 66.7 | 67.6 | 68.1 | 68.1 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| ≥ 2500 | 52.8 | 68.0 | 70.2 | 71.2 | 71.8 | 71.9 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| ≥ 2000 | 55.0 | 72.2 | 75.4 | 76.7 | 77.6 | 77.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| ≥ 1800 | 55.4 | 72.6 | 75.8 | 77.1 | 77.9 | 78.2 | 79.2 | 79.2 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| ≥ 1500 | 57.0 | 76.4 | 79.9 | 81.6 | 82.5 | 82.8 | 84.0 | 84.1 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| ≥ 1200 | 57.2 | 76.7 | 80.4 | 82.2 | 83.3 | 83.5 | 84.8 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| ≥ 1000 | 57.9 | 78.1 | 82.1 | 84.0 | 85.6 | 85.8 | 87.3 | 87.4 | 87.4 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 900 | 58.3 | 78.5 | 82.8 | 84.7 | 86.3 | 86.5 | 88.0 | 88.1 | 88.1 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥ 800 | 58.3 | 79.4 | 84.0 | 86.5 | 88.1 | 88.4 | 89.9 | 90.2 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 700 | 58.3 | 79.8 | 84.7 | 87.5 | 89.3 | 89.6 | 91.3 | 91.5 | 91.5 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 600 | 58.3 | 79.9 | 84.8 | 87.8 | 89.8 | 90.1 | 91.9 | 92.1 | 92.1 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 500 | 58.3 | 79.9 | 85.1 | 88.1 | 90.4 | 90.9 | 93.0 | 93.2 | 93.2 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 400 | 58.3 | 80.4 | 85.7 | 89.0 | 91.5 | 92.1 | 94.5 | 94.9 | 94.9 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 300 | 58.3 | 80.4 | 85.8 | 89.3 | 91.9 | 92.6 | 95.4 | 95.9 | 95.9 | 96.4 | 96.4 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 200 | 58.3 | 80.4 | 85.8 | 89.3 | 91.9 | 92.6 | 95.8 | 96.4 | 96.4 | 97.3 | 97.6 | 97.6 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 100 | 58.3 | 80.4 | 85.8 | 89.3 | 91.9 | 92.6 | 95.8 | 96.4 | 96.4 | 97.3 | 97.7 | 97.7 | 98.8 | 98.8 | 99.2 | 99.3 |
| ≥ 0 | 58.3 | 80.4 | 85.8 | 89.3 | 91.9 | 92.6 | 95.8 | 96.4 | 96.4 | 97.3 | 97.7 | 97.7 | 98.8 | 98.8 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 825

USAF ETAC FORM AUG 84 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 30.5 | 35.4 | 35.7 | 36.0 | 36.5 | 36.5 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 |
| ≥ 20000 | 32.3 | 37.7 | 38.0 | 38.3 | 38.8 | 38.8 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 |
| ≥ 18000 | 32.3 | 37.7 | 38.0 | 38.3 | 38.8 | 38.8 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 |
| ≥ 16000 | 32.3 | 37.7 | 38.0 | 38.3 | 38.8 | 38.8 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 | 39.1 |
| ≥ 14000 | 33.3 | 38.7 | 39.0 | 39.3 | 39.8 | 39.8 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 |
| ≥ 12000 | 33.4 | 38.8 | 39.1 | 39.4 | 39.9 | 39.9 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| ≥ 10000 | 35.5 | 41.7 | 42.1 | 42.3 | 42.8 | 42.8 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| ≥ 9000 | 35.6 | 41.8 | 42.2 | 42.4 | 42.9 | 42.9 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 8000 | 36.5 | 43.2 | 43.5 | 43.8 | 44.3 | 44.3 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 | 44.6 |
| ≥ 7000 | 37.1 | 44.3 | 44.8 | 45.1 | 45.6 | 45.6 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 | 46.0 |
| ≥ 6000 | 37.9 | 45.6 | 46.3 | 47.0 | 47.4 | 47.4 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| ≥ 5000 | 41.1 | 51.1 | 51.8 | 52.4 | 53.2 | 53.2 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| ≥ 4500 | 41.9 | 51.6 | 52.3 | 52.9 | 53.7 | 53.7 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| ≥ 4000 | 43.0 | 54.1 | 55.4 | 56.0 | 57.0 | 57.0 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| ≥ 3500 | 44.5 | 57.4 | 58.7 | 59.4 | 60.4 | 60.4 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| ≥ 3000 | 45.9 | 59.5 | 61.1 | 62.0 | 62.9 | 62.9 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| ≥ 2500 | 46.8 | 61.8 | 64.0 | 65.0 | 66.1 | 66.2 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| ≥ 2000 | 49.5 | 66.5 | 68.9 | 70.1 | 71.5 | 71.6 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| ≥ 1800 | 50.1 | 67.7 | 70.1 | 71.3 | 72.7 | 72.8 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| ≥ 1500 | 51.5 | 71.1 | 74.4 | 75.6 | 77.3 | 77.4 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| ≥ 1200 | 52.1 | 73.2 | 76.6 | 77.8 | 79.5 | 79.6 | 80.2 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| ≥ 1000 | 52.7 | 75.0 | 79.1 | 80.7 | 82.9 | 83.0 | 83.8 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| ≥ 900 | 52.9 | 75.6 | 80.1 | 82.0 | 84.1 | 84.3 | 85.0 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| ≥ 800 | 53.0 | 76.5 | 81.2 | 83.5 | 86.0 | 86.1 | 86.8 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 700 | 53.2 | 76.8 | 81.7 | 84.3 | 87.0 | 87.1 | 87.9 | 88.0 | 88.0 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 600 | 53.4 | 77.4 | 82.9 | 85.9 | 88.9 | 89.3 | 90.4 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥ 500 | 53.4 | 77.9 | 83.6 | 87.0 | 90.2 | 90.6 | 92.3 | 92.6 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 400 | 53.4 | 77.9 | 83.9 | 87.6 | 91.1 | 91.5 | 93.7 | 94.1 | 94.1 | 94.6 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 300 | 53.4 | 77.9 | 83.9 | 87.7 | 91.1 | 91.7 | 94.1 | 94.9 | 94.9 | 95.7 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 200 | 53.4 | 77.9 | 83.9 | 87.8 | 91.6 | 92.1 | 94.6 | 95.4 | 95.4 | 96.8 | 97.4 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 100 | 53.4 | 77.9 | 83.9 | 87.8 | 91.6 | 92.1 | 94.6 | 95.4 | 95.4 | 96.8 | 97.6 | 97.6 | 97.9 | 97.9 | 98.5 | 98.7 |
| ≥ 0 | 53.4 | 77.9 | 83.9 | 87.8 | 91.6 | 92.1 | 94.6 | 95.4 | 95.4 | 96.8 | 97.6 | 97.6 | 98.0 | 98.0 | 98.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 820

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

1994

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72[illegible]246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

0600-0800 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 8.9 | 28.3 | 29.8 | 30.4 | 31.4 | 31.4 | 31.8 | 32.0 | 32.0 | 32.4 | 32.4 | 32.4 | 32.5 | 32.5 | 32.7 | 32.7 |
| ≥ 20000 | 9.9 | 31.9 | 33.6 | 34.5 | 35.6 | 35.6 | 36.0 | 36.4 | 36.4 | 36.7 | 36.7 | 36.7 | 36.9 | 36.9 | 37.1 | 37.1 |
| ≥ 18000 | 9.9 | 31.9 | 33.6 | 34.5 | 35.6 | 35.6 | 36.0 | 36.4 | 36.4 | 36.7 | 36.7 | 36.7 | 36.9 | 36.9 | 37.1 | 37.1 |
| ≥ 16000 | 9.9 | 31.9 | 33.6 | 34.5 | 35.6 | 35.6 | 36.0 | 36.4 | 36.4 | 36.7 | 36.7 | 36.7 | 36.9 | 36.9 | 37.1 | 37.1 |
| ≥ 14000 | 10.1 | 32.5 | 34.3 | 35.4 | 36.5 | 36.5 | 36.9 | 37.2 | 37.2 | 37.6 | 37.6 | 37.6 | 37.7 | 37.7 | 38.0 | 38.0 |
| ≥ 12000 | 10.2 | 32.8 | 34.7 | 35.8 | 36.9 | 36.9 | 37.2 | 37.6 | 37.6 | 38.0 | 38.0 | 38.0 | 38.1 | 38.1 | 38.3 | 38.3 |
| ≥ 10000 | 10.5 | 34.7 | 36.9 | 38.0 | 39.1 | 39.1 | 39.4 | 39.8 | 39.8 | 40.1 | 40.1 | 40.1 | 40.3 | 40.3 | 40.5 | 40.5 |
| ≥ 9000 | 10.6 | 35.3 | 37.6 | 38.9 | 40.0 | 40.0 | 40.4 | 40.8 | 40.8 | 41.1 | 41.1 | 41.1 | 41.2 | 41.2 | 41.5 | 41.5 |
| ≥ 8000 | 10.7 | 36.5 | 38.8 | 40.1 | 41.4 | 41.4 | 41.8 | 42.2 | 42.2 | 42.6 | 42.6 | 42.6 | 42.7 | 42.7 | 42.9 | 42.9 |
| ≥ 7000 | 11.2 | 38.2 | 40.6 | 42.0 | 43.2 | 43.2 | 43.7 | 44.0 | 44.0 | 44.5 | 44.5 | 44.5 | 44.6 | 44.6 | 44.9 | 44.9 |
| ≥ 6000 | 11.3 | 38.8 | 41.4 | 42.8 | 44.3 | 44.3 | 44.8 | 45.1 | 45.1 | 45.6 | 45.6 | 45.6 | 45.7 | 45.7 | 46.0 | 46.0 |
| ≥ 5000 | 11.3 | 40.4 | 43.1 | 44.6 | 46.1 | 46.1 | 46.7 | 47.2 | 47.2 | 47.7 | 47.7 | 47.7 | 47.8 | 47.8 | 48.1 | 48.1 |
| ≥ 4500 | 11.6 | 42.8 | 45.7 | 47.6 | 49.0 | 49.0 | 49.6 | 50.1 | 50.1 | 50.6 | 50.6 | 50.6 | 50.7 | 50.7 | 51.0 | 51.0 |
| ≥ 4000 | 11.6 | 42.9 | 45.9 | 47.7 | 49.1 | 49.1 | 49.8 | 50.2 | 50.2 | 50.7 | 50.7 | 50.7 | 50.9 | 50.9 | 51.1 | 51.1 |
| ≥ 3500 | 12.0 | 45.5 | 48.8 | 50.7 | 52.2 | 52.4 | 53.2 | 53.6 | 53.6 | 54.1 | 54.1 | 54.1 | 54.3 | 54.3 | 54.5 | 54.5 |
| ≥ 3000 | 12.5 | 49.3 | 52.7 | 54.9 | 56.4 | 56.7 | 57.4 | 57.9 | 57.9 | 58.4 | 58.4 | 58.4 | 58.5 | 58.5 | 58.8 | 58.8 |
| ≥ 2500 | 13.5 | 53.4 | 57.4 | 60.0 | 62.0 | 62.4 | 63.4 | 64.0 | 64.0 | 64.6 | 64.6 | 64.6 | 64.7 | 64.7 | 65.0 | 65.0 |
| ≥ 2000 | 14.5 | 56.2 | 60.3 | 63.1 | 65.7 | 66.3 | 67.6 | 68.2 | 68.2 | 68.9 | 68.9 | 68.9 | 69.0 | 69.0 | 69.2 | 69.2 |
| ≥ 1800 | 14.6 | 56.9 | 61.1 | 63.9 | 66.4 | 67.0 | 68.6 | 69.3 | 69.3 | 70.0 | 70.0 | 70.0 | 70.1 | 70.1 | 70.3 | 70.3 |
| ≥ 1500 | 15.3 | 60.6 | 65.6 | 68.7 | 71.4 | 72.1 | 74.1 | 74.8 | 74.8 | 75.4 | 75.4 | 75.4 | 75.5 | 75.5 | 75.8 | 75.8 |
| ≥ 1200 | 16.3 | 64.0 | 69.8 | 73.1 | 75.8 | 76.6 | 78.7 | 79.6 | 79.6 | 80.3 | 80.3 | 80.3 | 80.4 | 80.4 | 80.7 | 80.7 |
| ≥ 1000 | 17.3 | 66.8 | 73.0 | 76.3 | 79.2 | 80.0 | 82.2 | 83.1 | 83.1 | 84.1 | 84.2 | 84.2 | 84.3 | 84.3 | 84.5 | 84.5 |
| ≥ 900 | 17.3 | 67.2 | 73.5 | 76.9 | 80.0 | 80.9 | 83.1 | 83.9 | 83.9 | 84.9 | 85.0 | 85.0 | 85.2 | 85.2 | 85.4 | 85.4 |
| ≥ 800 | 17.3 | 67.4 | 74.0 | 77.5 | 80.9 | 82.0 | 84.5 | 85.4 | 85.4 | 86.4 | 86.5 | 86.5 | 86.6 | 86.6 | 86.9 | 86.9 |
| ≥ 700 | 17.3 | 67.5 | 74.2 | 78.1 | 81.9 | 83.0 | 85.5 | 86.4 | 86.4 | 87.3 | 87.5 | 87.5 | 87.6 | 87.6 | 87.8 | 87.8 |
| ≥ 600 | 17.3 | 67.8 | 74.8 | 78.8 | 82.8 | 84.2 | 86.9 | 88.1 | 88.1 | 89.3 | 89.5 | 89.5 | 89.7 | 89.7 | 89.9 | 89.9 |
| ≥ 500 | 17.3 | 67.9 | 75.1 | 79.1 | 83.5 | 85.0 | 88.1 | 89.5 | 89.5 | 91.0 | 91.2 | 91.2 | 91.4 | 91.4 | 91.6 | 91.6 |
| ≥ 400 | 17.3 | 67.9 | 75.1 | 79.1 | 83.7 | 85.5 | 89.1 | 90.6 | 90.6 | 92.7 | 93.6 | 93.6 | 93.7 | 93.7 | 93.9 | 93.9 |
| ≥ 300 | 17.3 | 67.9 | 75.2 | 79.3 | 84.1 | 85.9 | 89.7 | 91.6 | 91.6 | 94.2 | 95.1 | 95.1 | 95.3 | 95.3 | 95.5 | 95.5 |
| ≥ 200 | 17.3 | 67.9 | 75.2 | 79.6 | 84.3 | 86.1 | 89.9 | 92.0 | 92.2 | 95.0 | 96.6 | 96.6 | 97.0 | 97.2 | 97.4 | 97.4 |
| ≥ 100 | 17.3 | 67.9 | 75.2 | 79.6 | 84.3 | 86.1 | 89.9 | 92.0 | 92.2 | 95.0 | 96.8 | 96.8 | 97.6 | 98.1 | 98.5 | 98.7 |
| ≥ 0 | 17.3 | 67.9 | 75.2 | 79.6 | 84.3 | 86.1 | 89.9 | 92.0 | 92.2 | 95.0 | 96.8 | 96.8 | 97.6 | 98.2 | 98.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 822

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

| CEILING (FEET) | VISIBILITY STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥3/16 | ≥¼ | ≥0 |
| NO CEILING | 7.7 | 29.8 | 30.6 | 31.1 | 31.6 | 31.6 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 31.8 | 32.0 | 32.0 | 32.0 | 32.0 |
| ≥ 20000 | 8.6 | 36.3 | 37.8 | 38.6 | 39.2 | 39.2 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.6 | 39.6 | 39.6 | 39.6 |
| ≥ 18000 | 8.6 | 36.3 | 37.8 | 38.6 | 39.2 | 39.2 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.6 | 39.6 | 39.6 | 39.6 |
| ≥ 16000 | 8.6 | 36.3 | 37.8 | 38.6 | 39.2 | 39.2 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.6 | 39.6 | 39.6 | 39.6 |
| ≥ 14000 | 8.6 | 36.3 | 37.8 | 38.6 | 39.2 | 39.2 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.6 | 39.6 | 39.6 | 39.6 |
| ≥ 12000 | 8.6 | 36.9 | 38.5 | 39.3 | 40.0 | 40.0 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 10000 | 8.6 | 38.6 | 40.4 | 41.3 | 41.9 | 41.9 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.3 | 42.3 | 42.3 | 42.3 |
| ≥ 9000 | 8.8 | 39.2 | 41.6 | 42.5 | 43.1 | 43.1 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥ 8000 | 9.2 | 40.4 | 42.9 | 43.7 | 44.6 | 44.7 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.2 | 45.2 | 45.2 | 45.2 |
| ≥ 7000 | 9.4 | 41.9 | 44.4 | 45.3 | 46.1 | 46.2 | 46.6 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.9 | 46.9 | 46.9 | 46.9 |
| ≥ 6000 | 9.8 | 42.7 | 45.3 | 46.4 | 47.2 | 47.3 | 47.7 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.9 | 47.9 | 47.9 | 47.9 |
| ≥ 5000 | 9.8 | 43.8 | 46.5 | 47.7 | 48.5 | 48.7 | 49.0 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.3 | 49.3 | 49.3 | 49.3 |
| ≥ 4500 | 9.8 | 45.3 | 47.9 | 49.2 | 50.4 | 50.5 | 51.0 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.2 | 51.2 | 51.2 | 51.2 |
| ≥ 4000 | 9.8 | 45.3 | 47.9 | 49.2 | 50.4 | 50.5 | 51.0 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.2 | 51.2 | 51.2 | 51.2 |
| ≥ 3500 | 9.9 | 46.9 | 49.9 | 51.1 | 52.4 | 52.5 | 53.1 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.4 | 53.4 | 53.4 | 53.4 |
| ≥ 3000 | 10.2 | 48.4 | 51.6 | 52.8 | 54.2 | 54.4 | 55.0 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.2 | 55.2 | 55.2 | 55.2 |
| ≥ 2500 | 10.9 | 52.3 | 55.6 | 56.8 | 58.8 | 59.1 | 59.8 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.2 | 60.2 | 60.2 | 60.2 |
| ≥ 2000 | 12.2 | 56.9 | 60.5 | 62.3 | 64.9 | 65.3 | 66.1 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.6 | 66.6 | 66.6 | 66.6 |
| ≥ 1800 | 12.3 | 58.1 | 61.7 | 63.7 | 66.2 | 66.6 | 67.6 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 68.0 | 68.0 | 68.0 | 68.0 |
| ≥ 1500 | 12.6 | 62.8 | 66.6 | 69.0 | 72.2 | 72.6 | 74.0 | 74.6 | 74.6 | 74.7 | 74.7 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 |
| ≥ 1200 | 12.6 | 65.7 | 69.9 | 72.6 | 76.3 | 77.0 | 78.8 | 80.0 | 80.0 | 80.4 | 80.4 | 80.4 | 80.5 | 80.5 | 80.5 | 80.5 |
| ≥ 1000 | 12.7 | 67.9 | 72.8 | 75.8 | 79.8 | 80.8 | 82.8 | 84.3 | 84.3 | 84.7 | 84.7 | 84.7 | 84.9 | 84.9 | 84.9 | 84.9 |
| ≥ 900 | 12.7 | 68.5 | 73.5 | 76.5 | 80.6 | 82.0 | 84.1 | 85.7 | 85.7 | 86.2 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 |
| ≥ 800 | 12.7 | 68.6 | 74.0 | 77.1 | 81.4 | 82.9 | 85.2 | 86.9 | 86.9 | 87.5 | 87.5 | 87.5 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 700 | 12.7 | 69.0 | 74.5 | 77.7 | 82.0 | 83.7 | 86.1 | 87.8 | 87.8 | 88.6 | 88.7 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 |
| ≥ 600 | 12.7 | 69.1 | 74.6 | 78.1 | 82.8 | 84.7 | 87.3 | 89.2 | 89.2 | 90.7 | 91.0 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 500 | 12.7 | 69.1 | 74.7 | 78.6 | 83.3 | 85.2 | 88.1 | 90.2 | 90.2 | 92.3 | 92.7 | 92.7 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 400 | 12.7 | 69.1 | 74.7 | 78.6 | 83.4 | 85.5 | 88.5 | 91.0 | 91.2 | 93.7 | 94.6 | 94.6 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 300 | 12.7 | 69.1 | 74.7 | 78.6 | 83.4 | 85.5 | 88.5 | 91.3 | 91.5 | 94.2 | 95.2 | 95.2 | 95.5 | 95.5 | 95.6 | 95.6 |
| ≥ 200 | 12.7 | 69.1 | 74.7 | 78.6 | 83.4 | 85.5 | 88.5 | 91.6 | 92.0 | 94.9 | 96.6 | 96.6 | 97.5 | 97.6 | 97.8 | 97.8 |
| ≥ 100 | 12.7 | 69.1 | 74.7 | 78.6 | 83.4 | 85.5 | 88.5 | 91.6 | 92.0 | 94.9 | 96.6 | 96.6 | 97.8 | 98.2 | 98.7 | 99.4 |
| ≥ 0 | 12.7 | 69.1 | 74.7 | 78.6 | 83.4 | 85.5 | 88.5 | 91.6 | 92.0 | 94.9 | 96.6 | 96.6 | 97.8 | 98.2 | 98.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 826

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

1995

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

| 725246 | MANSFIELD LAHM MAP OH | 73-81 | MAR |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 13.0 | 29.9 | 30.3 | 30.3 | 30.3 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 | 30.4 |
| ≥ 20000 | 14.0 | 35.9 | 36.7 | 36.9 | 36.9 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| ≥ 18000 | 14.0 | 35.9 | 36.7 | 36.9 | 36.9 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| ≥ 16000 | 14.0 | 35.9 | 36.7 | 36.9 | 36.9 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| ≥ 14000 | 14.0 | 35.9 | 36.7 | 36.9 | 36.9 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| ≥ 12000 | 14.2 | 36.4 | 37.2 | 37.3 | 37.3 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| ≥ 10000 | 14.2 | 37.5 | 38.3 | 38.6 | 38.6 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 |
| ≥ 9000 | 14.6 | 38.1 | 39.2 | 39.4 | 39.4 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 |
| ≥ 8000 | 14.8 | 39.5 | 40.6 | 40.9 | 40.9 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 7000 | 15.0 | 40.8 | 42.0 | 42.2 | 42.2 | 42.3 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 |
| ≥ 6000 | 15.1 | 41.1 | 42.3 | 42.8 | 42.8 | 42.9 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| ≥ 5000 | 15.1 | 42.0 | 43.3 | 43.8 | 43.9 | 44.0 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| ≥ 4500 | 15.2 | 45.0 | 46.6 | 47.2 | 47.4 | 47.6 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 |
| ≥ 4000 | 15.2 | 45.3 | 46.8 | 47.4 | 47.7 | 47.8 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 |
| ≥ 3500 | 15.2 | 47.2 | 49.1 | 49.8 | 50.0 | 50.1 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| ≥ 3000 | 15.7 | 50.9 | 52.9 | 53.5 | 53.9 | 54.1 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| ≥ 2500 | 17.2 | 56.8 | 59.1 | 59.9 | 60.3 | 60.6 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| ≥ 2000 | 18.6 | 64.1 | 66.8 | 68.6 | 69.3 | 69.6 | 70.2 | 70.2 | 70.2 | 70.6 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| ≥ 1800 | 18.9 | 65.8 | 69.0 | 70.9 | 71.7 | 71.9 | 72.5 | 72.5 | 72.5 | 72.9 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| ≥ 1500 | 19.0 | 70.4 | 74.5 | 76.9 | 77.9 | 78.2 | 79.1 | 79.4 | 79.4 | 79.8 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| ≥ 1200 | 19.0 | 73.0 | 77.4 | 81.0 | 82.2 | 82.8 | 83.8 | 84.5 | 84.5 | 84.9 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| ≥ 1000 | 19.0 | 74.0 | 78.8 | 83.1 | 84.3 | 84.9 | 86.0 | 86.9 | 86.9 | 87.3 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 900 | 19.0 | 74.1 | 79.0 | 83.5 | 84.7 | 85.4 | 86.7 | 87.6 | 87.6 | 88.1 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| ≥ 800 | 19.0 | 74.5 | 79.3 | 83.9 | 85.2 | 86.3 | 87.6 | 88.6 | 88.6 | 89.3 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥ 700 | 19.0 | 74.8 | 79.7 | 84.3 | 85.8 | 87.1 | 88.6 | 89.7 | 89.7 | 90.4 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 600 | 19.0 | 74.9 | 79.9 | 84.5 | 86.4 | 88.2 | 90.0 | 91.7 | 91.7 | 93.1 | 93.7 | 93.7 | 93.9 | 93.9 | 94.0 | 94.0 |
| ≥ 500 | 19.0 | 74.9 | 80.2 | 84.9 | 86.9 | 88.7 | 90.9 | 92.6 | 92.6 | 93.9 | 94.5 | 94.5 | 94.8 | 94.8 | 94.9 | 94.9 |
| ≥ 400 | 19.0 | 74.9 | 80.3 | 85.2 | 87.7 | 89.7 | 92.1 | 94.4 | 94.5 | 96.1 | 97.1 | 97.1 | 97.6 | 97.6 | 97.7 | 97.7 |
| ≥ 300 | 19.0 | 74.9 | 80.3 | 85.2 | 87.7 | 89.7 | 92.2 | 94.9 | 95.0 | 96.8 | 98.1 | 98.1 | 98.5 | 98.5 | 98.7 | 98.8 |
| ≥ 200 | 19.0 | 74.9 | 80.3 | 85.2 | 87.7 | 89.7 | 92.2 | 94.9 | 95.0 | 96.8 | 98.1 | 98.1 | 98.8 | 98.9 | 99.1 | 99.3 |
| ≥ 100 | 19.0 | 74.9 | 80.3 | 85.2 | 87.7 | 89.7 | 92.2 | 94.9 | 95.0 | 96.8 | 98.1 | 98.1 | 98.8 | 98.9 | 99.4 | 99.8 |
| ≥ 0 | 19.0 | 74.9 | 80.3 | 85.2 | 87.7 | 89.7 | 92.2 | 94.9 | 95.0 | 96.8 | 98.1 | 98.1 | 98.8 | 98.9 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

1500-1700 HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 12.7 | 27.5 | 27.6 | 27.6 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 |
| ≥ 20000 | 16.4 | 35.5 | 36.0 | 36.3 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 |
| ≥ 18000 | 16.4 | 35.5 | 36.0 | 36.3 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 |
| ≥ 16000 | 16.5 | 35.6 | 36.1 | 36.4 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| ≥ 14000 | 16.5 | 35.6 | 36.1 | 36.4 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 | 36.5 |
| ≥ 12000 | 16.7 | 35.9 | 36.4 | 36.6 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 |
| ≥ 10000 | 16.9 | 36.9 | 37.5 | 37.8 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 | 38.0 |
| ≥ 9000 | 17.0 | 37.7 | 38.4 | 38.8 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 | 38.9 |
| ≥ 8000 | 17.0 | 38.8 | 39.7 | 40.0 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 |
| ≥ 7000 | 17.3 | 39.9 | 40.9 | 41.2 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 |
| ≥ 6000 | 17.4 | 40.5 | 41.6 | 42.0 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 |
| ≥ 5000 | 17.5 | 42.2 | 43.4 | 43.9 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| ≥ 4500 | 17.9 | 44.3 | 45.6 | 46.1 | 46.6 | 46.6 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 |
| ≥ 4000 | 17.9 | 44.8 | 46.1 | 46.7 | 47.2 | 47.3 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 3500 | 18.6 | 49.5 | 51.0 | 51.7 | 52.2 | 52.3 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 | 52.6 |
| ≥ 3000 | 20.9 | 56.0 | 57.8 | 58.8 | 59.4 | 59.5 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| ≥ 2500 | 21.5 | 61.1 | 63.1 | 64.0 | 64.8 | 65.3 | 65.7 | 65.8 | 65.8 | 65.9 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| ≥ 2000 | 22.6 | 69.2 | 72.0 | 74.2 | 75.1 | 75.5 | 76.3 | 76.4 | 76.4 | 76.5 | 76.8 | 76.8 | 76.8 | 76.9 | 76.9 | 76.9 |
| ≥ 1800 | 22.6 | 70.0 | 72.9 | 75.4 | 76.3 | 76.9 | 77.7 | 77.9 | 77.9 | 78.0 | 78.2 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 |
| ≥ 1500 | 22.9 | 72.9 | 77.5 | 80.4 | 81.5 | 82.5 | 83.8 | 83.9 | 83.9 | 84.1 | 84.3 | 84.3 | 84.4 | 84.5 | 84.5 | 84.5 |
| ≥ 1200 | 22.9 | 74.3 | 79.3 | 82.6 | 84.1 | 85.4 | 86.7 | 87.1 | 87.1 | 87.3 | 87.7 | 87.7 | 87.8 | 88.0 | 88.0 | 88.0 |
| ≥ 1000 | 22.9 | 74.8 | 80.0 | 83.5 | 85.3 | 86.7 | 88.2 | 88.6 | 88.6 | 88.8 | 89.2 | 89.2 | 89.3 | 89.4 | 89.4 | 89.4 |
| ≥ 900 | 22.9 | 74.8 | 80.0 | 83.7 | 85.5 | 87.1 | 88.7 | 89.1 | 89.1 | 89.4 | 89.8 | 89.8 | 89.9 | 90.0 | 90.0 | 90.0 |
| ≥ 800 | 22.9 | 74.9 | 80.4 | 84.3 | 86.7 | 88.4 | 9 .0 | 90.8 | 90.8 | 91.1 | 91.5 | 91.5 | 91.6 | 91.7 | 91.7 | 91.7 |
| ≥ 700 | 22.9 | 74.9 | 80.8 | 84.7 | 87.1 | 88.8 | 90.6 | 91.5 | 91.5 | 92.0 | 92.5 | 92.5 | 92.7 | 92.8 | 92.8 | 92.8 |
| ≥ 600 | 22.9 | 75.1 | 81.0 | 84.9 | 87.5 | 89.4 | 91.5 | 92.5 | 92.5 | 92.9 | 93.4 | 93.4 | 93.7 | 93.8 | 93.8 | 93.8 |
| ≥ 500 | 22.9 | 75.1 | 81.0 | 85.0 | 87.6 | 89.5 | 91.7 | 92.8 | 92.8 | 93.7 | 94.2 | 94.2 | 94.4 | 94.5 | 94.5 | 94.5 |
| ≥ 400 | 22.9 | 75.2 | 81.4 | 85.5 | 88.1 | 90.1 | 92.5 | 93.7 | 93.7 | 94.9 | 95.7 | 95.7 | 96.2 | 96.4 | 96.6 | 96.6 |
| ≥ 300 | 22.9 | 75.2 | 81.4 | 85.5 | 88.1 | 90.1 | 92.5 | 93.9 | 93.9 | 95.3 | 96.2 | 96.2 | 96.7 | 96.8 | 97.1 | 97.1 |
| ≥ 200 | 22.9 | 75.2 | 81.4 | 85.5 | 88.1 | 90.3 | 92.6 | 94.3 | 94.3 | 95.7 | 97.2 | 97.2 | 98.2 | 98.5 | 98.9 | 99.1 |
| ≥ 100 | 22.9 | 75.2 | 81.4 | 85.5 | 88.1 | 90.3 | 92.6 | 94.3 | 94.3 | 95.7 | 97.2 | 97.2 | 98.2 | 98.7 | 99.1 | 99.6 |
| ≥ 0 | 22.9 | 75.2 | 81.4 | 85.5 | 88.1 | 90.3 | 92.6 | 94.3 | 94.3 | 95.7 | 97.2 | 97.2 | 98.2 | 98.7 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 622

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

1995

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

| 725246 | MANSFIELD LAHM MAP OH | 73-81 | MAR |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

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

1800-2000
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 20.7 | 31.7 | 31.9 | 32.2 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 |
| ≥ 20000 | 24.0 | 37.1 | 37.7 | 38.4 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 |
| ≥ 18000 | 24.3 | 37.1 | 37.7 | 38.4 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 |
| ≥ 16000 | 24.0 | 37.1 | 37.7 | 38.4 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 |
| ≥ 14000 | 24.5 | 37.6 | 38.2 | 38.9 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 |
| ≥ 12000 | 24.7 | 38.2 | 38.8 | 39.5 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| ≥ 10000 | 26.2 | 40.6 | 41.2 | 42.0 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 | 42.1 |
| ≥ 9000 | 26.2 | 41.0 | 41.6 | 42.4 | 42.5 | 42.5 | 42.5 | 42.5 | 42.5 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 | 42.6 |
| ≥ 8000 | 26.7 | 41.9 | 42.5 | 43.2 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥ 7000 | 27.4 | 43.1 | 43.8 | 44.7 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| ≥ 6000 | 28.0 | 44.7 | 45.4 | 46.3 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| ≥ 5000 | 29.4 | 49.4 | 50.6 | 51.7 | 51.8 | 51.8 | 51.8 | 51.8 | 51.8 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| ≥ 4500 | 29.6 | 51.4 | 52.6 | 53.7 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 | 54.0 |
| ≥ 4000 | 30.7 | 53.7 | 55.8 | 56.9 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 |
| ≥ 3500 | 32.2 | 57.3 | 59.5 | 60.8 | 61.7 | 61.7 | 61.8 | 61.9 | 61.9 | 62.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| ≥ 3000 | 34.1 | 61.2 | 63.6 | 65.4 | 66.2 | 66.3 | 66.5 | 66.6 | 66.6 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| ≥ 2500 | 36.6 | 66.2 | 69.3 | 71.4 | 72.8 | 73.2 | 73.3 | 73.4 | 73.4 | 73.8 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| ≥ 2000 | 38.4 | 71.0 | 74.7 | 77.2 | 78.8 | 79.3 | 79.6 | 79.7 | 79.7 | 80.0 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| ≥ 1800 | 38.6 | 71.6 | 75.4 | 78.2 | 79.8 | 80.3 | 80.5 | 80.7 | 80.7 | 81.0 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| ≥ 1500 | 38.9 | 73.6 | 77.6 | 81.0 | 82.9 | 83.5 | 84.2 | 84.3 | 84.3 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| ≥ 1200 | 39.0 | 74.2 | 78.2 | 81.8 | 83.6 | 84.2 | 85.1 | 85.4 | 85.4 | 85.8 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 |
| ≥ 1000 | 39.2 | 74.8 | 79.1 | 82.9 | 84.9 | 85.8 | 86.7 | 87.1 | 87.1 | 87.8 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 900 | 39.2 | 74.8 | 79.1 | 83.0 | 85.2 | 86.0 | 87.0 | 87.6 | 87.6 | 88.2 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥ 800 | 39.2 | 74.9 | 7/.3 | 83.4 | 85.9 | 86.9 | 88.5 | 89.5 | 89.5 | 90.1 | 90.2 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 700 | 39.2 | 75.2 | 79.6 | 84.0 | 86.7 | 87.6 | 89.5 | 90.8 | 90.8 | 91.4 | 91.7 | 91.7 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 600 | 39.2 | 75.3 | 79.9 | 84.6 | 87.5 | 88.7 | 90.7 | 92.2 | 92.2 | 92.8 | 93.1 | 93.1 | 93.4 | 93.4 | 93.4 | 93.4 |
| ≥ 500 | 39.2 | 75.3 | 80.0 | 84.8 | 88.2 | 89.5 | 91.4 | 93.1 | 93.1 | 93.9 | 94.2 | 94.2 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 400 | 39.2 | 75.3 | 80.0 | 85.1 | 88.7 | 90.0 | 92.2 | 94.1 | 94.1 | 95.2 | 95.8 | 95.8 | 96.2 | 96.2 | 96.3 | 96.3 |
| ≥ 300 | 39.2 | 75.3 | 80.0 | 85.1 | 88.7 | 90.0 | 92.4 | 94.4 | 94.4 | 95.6 | 96.2 | 96.2 | 96.6 | 96.6 | 96.8 | 96.8 |
| ≥ 200 | 39.2 | 75.3 | 80.0 | 85.1 | 88.7 | 90.0 | 92.4 | 94.5 | 94.5 | 96.2 | 97.4 | 97.4 | 98.4 | 98.4 | 98.7 | 98.8 |
| ≥ 100 | 39.2 | 75.3 | 80.0 | 85.1 | 88.7 | 90.0 | 92.4 | 94.5 | 94.5 | 96.2 | 97.6 | 97.6 | 98.8 | 98.9 | 99.4 | 99.6 |
| ≥ 0 | 39.2 | 75.3 | 80.0 | 85.1 | 88.7 | 90.0 | 92.4 | 94.5 | 94.5 | 96.2 | 97.6 | 97.6 | 98.8 | 98.9 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 817

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 (HOUR LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 33.7 | 40.0 | 40.6 | 40.7 | 40.7 | 40.7 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 20000 | 36.7 | 44.0 | 44.6 | 44.8 | 44.8 | 44.8 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| ≥ 18000 | 36.7 | 44.0 | 44.6 | 44.8 | 44.8 | 44.8 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| ≥ 16000 | 36.7 | 44.0 | 44.6 | 44.8 | 44.8 | 44.8 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 | 45.0 |
| ≥ 14000 | 37.4 | 44.9 | 45.5 | 45.6 | 45.6 | 45.6 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 | 45.9 |
| ≥ 12000 | 37.6 | 45.5 | 46.1 | 46.2 | 46.2 | 46.2 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| ≥ 10000 | 40.9 | 49.6 | 50.2 | 50.4 | 50.4 | 50.4 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| ≥ 9000 | 40.9 | 49.6 | 50.2 | 50.4 | 50.4 | 50.4 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| ≥ 8000 | 41.8 | 51.1 | 51.7 | 51.8 | 51.8 | 51.8 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| ≥ 7000 | 43.2 | 52.7 | 53.4 | 53.5 | 53.5 | 53.5 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 | 53.8 |
| ≥ 6000 | 44.5 | 54.5 | 55.2 | 55.4 | 55.4 | 55.4 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| ≥ 5000 | 48.8 | 61.5 | 62.4 | 62.7 | 62.8 | 62.8 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| ≥ 4500 | 48.8 | 61.5 | 62.4 | 62.7 | 62.8 | 62.8 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| ≥ 4000 | 51.6 | 64.5 | 65.7 | 66.0 | 66.3 | 66.5 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 |
| ≥ 3500 | 53.0 | 67.1 | 68.7 | 68.9 | 69.3 | 69.4 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| ≥ 3000 | 54.4 | 69.4 | 71.7 | 72.0 | 72.3 | 72.6 | 73.0 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| ≥ 2500 | 56.0 | 71.3 | 74.9 | 75.1 | 75.9 | 76.1 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| ≥ 2000 | 57.7 | 75.1 | 79.1 | 79.4 | 80.2 | 80.6 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| ≥ 1800 | 57.8 | 75.5 | 79.6 | 79.9 | 80.7 | 81.1 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| ≥ 1500 | 59.0 | 78.3 | 82.9 | 83.3 | 84.1 | 84.5 | 85.1 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| ≥ 1200 | 59.1 | 78.9 | 83.5 | 84.0 | 85.0 | 85.4 | 86.0 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| ≥ 1000 | 59.3 | 79.6 | 84.5 | 85.1 | 86.1 | 86.7 | 87.4 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 900 | 59.3 | 79.6 | 84.6 | 85.2 | 86.2 | 86.8 | 87.6 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 800 | 59.3 | 79.8 | 85.0 | 85.9 | 87.0 | 87.7 | 88.4 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| ≥ 700 | 59.3 | 79.9 | 85.2 | 86.1 | 87.3 | 88.0 | 88.9 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 600 | 59.3 | 80.0 | 85.7 | 86.7 | 87.9 | 88.7 | 89.6 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| ≥ 500 | 59.4 | 80.2 | 86.2 | 87.7 | 89.4 | 90.1 | 91.6 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| ≥ 400 | 59.4 | 80.2 | 86.3 | 87.9 | 90.1 | 91.1 | 93.2 | 93.9 | 93.9 | 94.0 | 94.1 | 94.1 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 300 | 59.4 | 80.4 | 86.8 | 88.7 | 91.3 | 92.3 | 94.4 | 95.1 | 95.1 | 95.4 | 95.6 | 95.6 | 96.1 | 96.1 | 96.2 | 96.2 |
| ≥ 200 | 59.4 | 80.4 | 86.8 | 88.7 | 91.5 | 92.4 | 94.6 | 95.6 | 95.6 | 96.5 | 96.7 | 96.7 | 97.7 | 97.7 | 98.0 | 98.3 |
| ≥ 100 | 59.4 | 80.4 | 86.8 | 88.7 | 91.5 | 92.4 | 94.6 | 95.6 | 95.6 | 96.6 | 97.0 | 97.0 | 98.0 | 98.0 | 98.8 | 99.3 |
| 0 | 59.4 | 80.4 | 86.8 | 88.7 | 91.5 | 92.4 | 94.6 | 95.6 | 95.6 | 96.6 | 97.0 | 97.0 | 98.3 | 98.3 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 820

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

1997

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72[illegible]246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

ALL (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 20.2 | 32.8 | 33.4 | 33.6 | 33.9 | 33.9 | 34.1 | 34.1 | 34.1 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.3 | 34.3 |
| ≥ 20000 | 22.2 | 37.4 | 38.3 | 38.8 | 39.1 | 39.1 | 39.3 | 39.3 | 39.3 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| ≥ 18000 | 22.2 | 37.4 | 38.3 | 38.8 | 39.1 | 39.1 | 39.3 | 39.3 | 39.3 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 |
| ≥ 16000 | 22.2 | 37.5 | 38.3 | 38.8 | 39.1 | 39.1 | 39.3 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.4 | 39.5 | 39.5 |
| ≥ 14000 | 22.6 | 37.9 | 38.8 | 39.2 | 39.6 | 39.6 | 39.8 | 39.8 | 39.8 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 |
| ≥ 12000 | 22.8 | 38.3 | 39.2 | 39.7 | 40.0 | 40.0 | 40.2 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.4 | 40.4 | 40.4 | 40.4 |
| ≥ 10000 | 24.1 | 40.8 | 41.8 | 42.3 | 42.6 | 42.6 | 42.8 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 43.0 | 43.0 |
| ≥ 9000 | 24.2 | 41.2 | 42.3 | 42.9 | 43.2 | 43.2 | 43.4 | 43.4 | 43.4 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.6 | 43.6 |
| ≥ 8000 | 24.7 | 42.4 | 43.5 | 44.1 | 44.4 | 44.5 | 44.7 | 44.7 | 44.7 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.9 | 44.9 |
| ≥ 7000 | 25.3 | 43.8 | 45.1 | 45.6 | 46.0 | 46.0 | 46.3 | 46.4 | 46.4 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| ≥ 6000 | 25.9 | 44.9 | 46.3 | 46.9 | 47.4 | 47.4 | 47.7 | 47.7 | 47.7 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.9 | 47.9 |
| ≥ 5000 | 27.5 | 48.4 | 49.9 | 50.7 | 51.2 | 51.2 | 51.6 | 51.6 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.8 | 51.8 |
| ≥ 4500 | 27.7 | 49.9 | 51.5 | 52.4 | 53.0 | 53.0 | 53.3 | 53.4 | 53.4 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| ≥ 4000 | 28.6 | 51.3 | 53.2 | 54.1 | 54.8 | 54.9 | 55.2 | 55.3 | 55.3 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| ≥ 3500 | 29.5 | 54.2 | 56.3 | 57.3 | 58.0 | 58.1 | 58.5 | 58.6 | 58.6 | 58.7 | 58.7 | 58.7 | 58.8 | 58.8 | 58.8 | 58.8 |
| ≥ 3000 | 30.6 | 57.4 | 59.8 | 60.8 | 61.7 | 61.8 | 62.2 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| ≥ 2500 | 31.9 | 61.4 | 64.2 | 65.4 | 66.6 | 66.8 | 67.4 | 67.5 | 67.5 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| ≥ 2000 | 33.6 | 66.4 | 69.7 | 71.5 | 72.9 | 73.2 | 74.0 | 74.2 | 74.2 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.5 | 74.5 |
| ≥ 1800 | 33.8 | 67.3 | 70.7 | 72.5 | 74.0 | 74.3 | 75.1 | 75.3 | 75.3 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.7 | 75.7 |
| ≥ 1500 | 34.5 | 70.7 | 74.9 | 77.1 | 78.7 | 79.2 | 80.3 | 80.6 | 80.6 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 |
| ≥ 1200 | 34.8 | 72.5 | 76.9 | 79.4 | 81.2 | 81.8 | 83.0 | 83.5 | 83.5 | 83.8 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 |
| ≥ 1000 | 35.1 | 73.9 | 78.7 | 81.4 | 83.5 | 84.2 | 85.5 | 86.1 | 86.1 | 86.5 | 86.7 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 |
| ≥ 900 | 35.2 | 74.1 | 79.1 | 81.9 | 84.1 | 84.9 | 86.3 | 86.9 | 86.9 | 87.3 | 87.4 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 |
| ≥ 800 | 35.2 | 74.5 | 79.6 | 82.8 | 85.1 | 86.1 | 87.6 | 88.4 | 88.4 | 88.9 | 89.0 | 89.0 | 89.1 | 89.1 | 89.2 | 89.2 |
| ≥ 700 | 35.2 | 74.7 | 80.0 | 83.3 | 85.9 | 86.9 | 88.5 | 89.4 | 89.4 | 89.9 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 |
| ≥ 600 | 35.2 | 74.9 | 80.5 | 83.9 | 86.7 | 87.9 | 89.8 | 90.8 | 90.8 | 91.5 | 91.8 | 91.8 | 91.9 | 91.9 | 92.0 | 92.0 |
| ≥ 500 | 35.2 | 75.0 | 80.8 | 84.4 | 87.4 | 88.7 | 90.9 | 92.0 | 92.0 | 92.9 | 93.2 | 93.2 | 93.3 | 93.4 | 93.4 | 93.4 |
| ≥ 400 | 35.2 | 75.1 | 80.9 | 84.7 | 88.0 | 89.4 | 92.0 | 93.4 | 93.4 | 94.6 | 95.1 | 95.1 | 95.4 | 95.4 | 95.5 | 95.5 |
| ≥ 300 | 35.2 | 75.1 | 81.0 | 84.9 | 88.3 | 89.7 | 92.4 | 94.0 | 94.0 | 95.4 | 96.1 | 96.1 | 96.4 | 96.4 | 96.6 | 96.6 |
| ≥ 200 | 35.2 | 75.1 | 81.0 | 85.0 | 88.4 | 89.8 | 92.6 | 94.3 | 94.4 | 96.2 | 97.2 | 97.2 | 97.9 | 98.0 | 98.3 | 98.3 |
| ≥ 100 | 35.2 | 75.1 | 81.0 | 85.0 | 88.4 | 89.8 | 92.6 | 94.3 | 94.4 | 96.2 | 97.3 | 97.3 | 98.2 | 98.4 | 99.0 | 99.3 |
| ≥ 0 | 35.2 | 75.1 | 81.0 | 85.0 | 88.4 | 89.8 | 92.6 | 94.3 | 94.4 | 96.2 | 97.3 | 97.3 | 98.3 | 98.5 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 6574

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

| 728246 | MANSFIELD LAHM MAP OH | 73-81 | APR |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 41.9 | 47.8 | 48.5 | 48.9 | 49.0 | 49.0 | 49.2 | 49.2 | 49.2 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| ≥ 20000 | 43.3 | 50.2 | 51.0 | 51.3 | 51.5 | 51.5 | 51.6 | 51.6 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| ≥ 18000 | 43.3 | 50.2 | 51.0 | 51.3 | 51.5 | 51.5 | 51.6 | 51.6 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| ≥ 16000 | 43.3 | 50.2 | 51.3 | 51.3 | 51.5 | 51.5 | 51.6 | 51.6 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| ≥ 14000 | 44.1 | 51.0 | 51.7 | 52.1 | 52.2 | 52.2 | 52.4 | 52.4 | 52.4 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 | 52.5 |
| ≥ 12000 | 44.7 | 52.4 | 53.1 | 53.5 | 53.6 | 53.6 | 53.7 | 53.7 | 53.7 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| ≥ 10000 | 47.5 | 56.3 | 57.1 | 57.4 | 57.6 | 57.6 | 57.7 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| ≥ 9000 | 47.6 | 56.5 | 57.3 | 57.7 | 57.8 | 57.8 | 57.9 | 57.9 | 57.9 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| ≥ 8000 | 49.3 | 58.6 | 59.3 | 59.7 | 59.8 | 59.8 | 60.0 | 60.0 | 60.0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| ≥ 7000 | 49.9 | 59.3 | 60.1 | 60.5 | 60.6 | 60.6 | 60.7 | 60.7 | 60.7 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| ≥ 6000 | 52.1 | 62.3 | 63.2 | 63.8 | 63.9 | 63.9 | 64.0 | 64.0 | 64.0 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| ≥ 5000 | 56.3 | 68.6 | 70.3 | 71.0 | 71.4 | 71.4 | 71.5 | 71.5 | 71.5 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| ≥ 4500 | 56.2 | 69.0 | 70.6 | 71.4 | 71.8 | 71.8 | 71.9 | 71.9 | 71.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| ≥ 4000 | 58.1 | 71.2 | 72.9 | 74.3 | 74.7 | 74.7 | 74.8 | 74.8 | 74.8 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| ≥ 3500 | 58.7 | 72.7 | 74.5 | 75.9 | 76.4 | 76.4 | 76.6 | 76.6 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| ≥ 3000 | 60.0 | 74.8 | 76.7 | 78.1 | 78.7 | 78.7 | 78.9 | 78.9 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| ≥ 2500 | 61.2 | 77.0 | 79.3 | 80.8 | 81.3 | 81.3 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| ≥ 2000 | 62.9 | 79.7 | 82.1 | 83.7 | 84.2 | 84.2 | 84.5 | 84.5 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| ≥ 1800 | 63.4 | 80.7 | 83.1 | 84.9 | 85.4 | 85.4 | 85.6 | 85.6 | 85.6 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| ≥ 1500 | 63.8 | 82.0 | 84.5 | 86.3 | 86.8 | 86.8 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| ≥ 1200 | 64.2 | 83.0 | 85.6 | 87.7 | 88.2 | 88.2 | 88.7 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| ≥ 1000 | 64.3 | 83.9 | 86.8 | 88.8 | 89.5 | 89.6 | 90.2 | 90.2 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 900 | 64.4 | 84.0 | 86.9 | 88.9 | 89.7 | 89.8 | 90.5 | 90.5 | 90.5 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| ≥ 800 | 64.5 | 85.1 | 88.3 | 90.3 | 91.1 | 91.4 | 92.0 | 92.0 | 92.0 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| ≥ 700 | 64.5 | 85.4 | 88.7 | 90.9 | 91.9 | 92.2 | 92.9 | 92.9 | 92.9 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 600 | 64.5 | 85.5 | 89.6 | 92.1 | 93.1 | 93.5 | 94.2 | 94.2 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 500 | 64.5 | 85.6 | 90.1 | 92.8 | 93.9 | 94.3 | 95.0 | 95.0 | 95.0 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 400 | 64.5 | 85.6 | 90.0 | 93.4 | 94.9 | 95.3 | 96.1 | 96.2 | 96.2 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 300 | 64.5 | 85.8 | 90.2 | 93.9 | 95.7 | 96.1 | 97.1 | 97.2 | 97.2 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 200 | 64.5 | 85.8 | 90.2 | 93.9 | 95.8 | 96.2 | 97.2 | 97.3 | 97.3 | 98.1 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 100 | 64.5 | 85.8 | 90.2 | 93.9 | 95.8 | 96.2 | 97.2 | 97.3 | 97.3 | 98.1 | 99.0 | 99.0 | 99.4 | 99.4 | 99.6 | 99.9 |
| 0 | 64.5 | 85.8 | 90.2 | 93.9 | 95.8 | 96.2 | 97.2 | 97.3 | 97.3 | 98.1 | 99.0 | 99.0 | 99.4 | 99.4 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 787

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

1998

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-61 (YEARS) APP (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 38.5 | 45.5 | 46.8 | 47.5 | 48.2 | 48.2 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 |
| ≥ 20000 | 39.6 | 47.3 | 49.0 | 49.6 | 50.4 | 50.4 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| ≥ 18000 | 39.6 | 47.3 | 49.0 | 49.6 | 50.4 | 50.4 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| ≥ 16000 | 39.6 | 47.3 | 49.0 | 49.6 | 50.4 | 50.4 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| ≥ 14000 | 40.0 | 47.9 | 49.5 | 50.1 | 50.9 | 50.9 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| ≥ 12000 | 40.5 | 49.0 | 50.6 | 51.3 | 52.0 | 52.0 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 | 52.1 |
| ≥ 10000 | 44.1 | 53.4 | 55.1 | 55.7 | 56.4 | 56.4 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| ≥ 9000 | 44.1 | 53.5 | 55.2 | 55.8 | 56.6 | 56.6 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| ≥ 8000 | 45.2 | 54.9 | 56.6 | 57.2 | 58.0 | 58.0 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| ≥ 7000 | 45.6 | 55.4 | 57.2 | 57.8 | 58.6 | 58.6 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 | 58.7 |
| ≥ 6000 | 47.7 | 58.0 | 59.8 | 60.5 | 61.2 | 61.2 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| ≥ 5000 | 50.8 | 63.3 | 65.3 | 66.5 | 67.4 | 67.4 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| ≥ 4500 | 51.0 | 64.1 | 66.3 | 67.6 | 68.4 | 68.4 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| ≥ 4000 | 51.6 | 65.3 | 67.4 | 68.7 | 69.7 | 69.7 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| ≥ 3500 | 53.5 | 67.8 | 70.5 | 71.8 | 72.9 | 72.9 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| ≥ 3000 | 54.8 | 69.9 | 72.7 | 74.1 | 75.1 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| ≥ 2500 | 56.1 | 72.1 | 75.0 | 76.5 | 77.5 | 77.5 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| ≥ 2000 | 57.7 | 74.9 | 78.0 | 79.7 | 80.7 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| ≥ 1800 | 57.8 | 75.4 | 78.5 | 80.2 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| ≥ 1500 | 59.5 | 78.8 | 82.1 | 83.7 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| ≥ 1200 | 59.8 | 79.9 | 83.3 | 85.0 | 86.0 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| ≥ 1000 | 60.0 | 80.9 | 84.5 | 86.4 | 87.4 | 87.4 | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| ≥ 900 | 60.2 | 81.3 | 85.1 | 87.2 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥ 800 | 60.2 | 82.1 | 86.4 | 89.0 | 90.3 | 90.3 | 90.7 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| ≥ 700 | 60.2 | 82.7 | 87.1 | 89.8 | 91.0 | 91.0 | 91.4 | 91.5 | 91.5 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 600 | 60.2 | 83.1 | 87.8 | 90.7 | 91.9 | 91.9 | 92.4 | 92.6 | 92.6 | 92.7 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 500 | 60.2 | 83.7 | 88.6 | 92.0 | 93.4 | 93.6 | 94.4 | 94.6 | 94.6 | 94.7 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 400 | 60.2 | 83.7 | 88.6 | 92.4 | 94.1 | 94.4 | 95.6 | 95.7 | 95.7 | 96.1 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 |
| ≥ 300 | 60.2 | 83.7 | 88.6 | 92.4 | 94.2 | 94.7 | 96.0 | 96.1 | 96.1 | 96.5 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 200 | 60.2 | 83.7 | 88.6 | 92.9 | 94.9 | 95.5 | 97.1 | 97.2 | 97.2 | 97.6 | 97.9 | 97.9 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 100 | 60.2 | 83.7 | 88.6 | 92.9 | 94.9 | 95.5 | 97.2 | 97.3 | 97.3 | 97.9 | 98.1 | 98.1 | 99.0 | 99.0 | 99.2 | 99.4 |
| 0 | 60.2 | 83.7 | 88.6 | 92.9 | 94.9 | 95.5 | 97.2 | 97.3 | 97.3 | 97.9 | 98.1 | 98.1 | 99.2 | 99.2 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 792

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

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

0600-0800 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 11.2 | 34.8 | 36.4 | 37.3 | 38.1 | 38.3 | 38.3 | 38.6 | 38.6 | 38.9 | 38.9 | 38.9 | 38.9 | 39.0 | 39.0 | 39.1 |
| ≥ 20000 | 12.7 | 41.0 | 43.2 | 44.3 | 45.2 | 45.3 | 45.3 | 45.8 | 45.8 | 46.3 | 46.3 | 46.3 | 46.3 | 46.4 | 46.4 | 46.5 |
| ≥ 18000 | 12.7 | 41.0 | 43.2 | 44.3 | 45.2 | 45.3 | 45.3 | 45.8 | 45.8 | 46.3 | 46.3 | 46.3 | 46.3 | 46.4 | 46.4 | 46.5 |
| ≥ 16000 | 12.7 | 41.2 | 43.3 | 44.4 | 45.3 | 45.4 | 45.4 | 45.9 | 45.9 | 46.4 | 46.4 | 46.4 | 46.4 | 46.5 | 46.5 | 46.7 |
| ≥ 14000 | 12.7 | 41.7 | 43.8 | 44.9 | 45.8 | 45.9 | 45.9 | 46.4 | 46.4 | 46.9 | 46.9 | 46.9 | 46.9 | 47.1 | 47.1 | 47.2 |
| ≥ 12000 | 12.9 | 42.8 | 45.0 | 46.2 | 47.1 | 47.2 | 47.2 | 47.7 | 47.7 | 48.2 | 48.2 | 48.2 | 48.2 | 48.3 | 48.3 | 48.4 |
| ≥ 10000 | 13.4 | 45.4 | 47.8 | 49.1 | 50.1 | 50.3 | 50.3 | 50.8 | 50.8 | 51.3 | 51.3 | 51.3 | 51.3 | 51.4 | 51.4 | 51.6 |
| ≥ 9000 | 13.4 | 47.1 | 49.4 | 50.7 | 51.7 | 51.9 | 51.9 | 52.4 | 52.4 | 52.9 | 52.9 | 52.9 | 52.9 | 53.1 | 53.1 | 53.2 |
| ≥ 8000 | 13.8 | 48.4 | 50.8 | 52.3 | 53.3 | 53.6 | 53.6 | 54.1 | 54.1 | 54.6 | 54.6 | 54.6 | 54.6 | 54.7 | 54.7 | 54.8 |
| ≥ 7000 | 13.8 | 49.2 | 51.6 | 53.1 | 54.1 | 54.3 | 54.3 | 54.8 | 54.8 | 55.3 | 55.3 | 55.3 | 55.3 | 55.5 | 55.5 | 55.6 |
| ≥ 6000 | 13.8 | 50.1 | 52.7 | 54.2 | 55.2 | 55.5 | 55.5 | 56.0 | 56.0 | 56.5 | 56.5 | 56.5 | 56.5 | 56.6 | 56.6 | 56.7 |
| ≥ 5000 | 14.1 | 52.3 | 55.5 | 57.2 | 58.2 | 58.5 | 58.5 | 59.0 | 59.0 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6 | 59.6 | 59.7 |
| ≥ 4500 | 14.3 | 54.7 | 58.1 | 60.4 | 61.4 | 61.9 | 62.1 | 62.6 | 62.6 | 63.1 | 63.1 | 63.1 | 63.1 | 63.2 | 63.2 | 63.4 |
| ≥ 4000 | 14.3 | 55.2 | 58.7 | 61.1 | 62.1 | 62.6 | 62.9 | 63.4 | 63.4 | 63.9 | 63.9 | 63.9 | 63.9 | 64.0 | 64.0 | 64.1 |
| ≥ 3500 | 14.4 | 56.7 | 60.4 | 62.7 | 63.9 | 64.4 | 64.6 | 65.1 | 65.1 | 65.6 | 65.6 | 65.6 | 65.6 | 65.7 | 65.7 | 65.9 |
| ≥ 3000 | 14.8 | 58.5 | 62.1 | 64.5 | 65.7 | 66.2 | 66.5 | 67.0 | 67.0 | 67.5 | 67.5 | 67.5 | 67.5 | 67.6 | 67.6 | 67.8 |
| ≥ 2500 | 15.2 | 61.4 | 65.1 | 67.5 | 69.4 | 70.0 | 70.3 | 70.8 | 70.8 | 71.3 | 71.3 | 71.3 | 71.3 | 71.4 | 71.4 | 71.5 |
| ≥ 2000 | 15.6 | 63.9 | 67.9 | 70.3 | 72.8 | 73.5 | 73.8 | 74.4 | 74.4 | 74.9 | 74.9 | 74.9 | 74.9 | 75.0 | 75.0 | 75.2 |
| ≥ 1800 | 15.7 | 65.5 | 69.5 | 71.9 | 74.4 | 75.2 | 75.4 | 76.0 | 76.0 | 76.7 | 76.7 | 76.7 | 76.7 | 76.8 | 76.8 | 76.9 |
| ≥ 1500 | 16.3 | 67.9 | 72.1 | 74.9 | 77.7 | 78.4 | 78.8 | 79.4 | 79.4 | 80.2 | 80.2 | 80.2 | 80.2 | 80.3 | 80.3 | 80.4 |
| ≥ 1200 | 16.4 | 69.8 | 74.3 | 77.4 | 80.3 | 81.1 | 81.4 | 82.1 | 82.1 | 82.8 | 82.9 | 82.9 | 82.9 | 83.1 | 83.1 | 83.2 |
| ≥ 1000 | 16.6 | 70.4 | 75.0 | 78.2 | 81.1 | 81.8 | 82.3 | 82.9 | 82.9 | 83.7 | 83.8 | 83.8 | 83.8 | 83.9 | 83.9 | 84.1 |
| ≥ 900 | 16.6 | 70.5 | 75.3 | 79.0 | 82.3 | 83.1 | 83.7 | 84.3 | 84.3 | 85.2 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.6 |
| ≥ 800 | 16.6 | 70.9 | 75.9 | 79.9 | 83.3 | 84.2 | 85.1 | 85.7 | 85.7 | 86.6 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 | 87.0 |
| ≥ 700 | 16.6 | 71.9 | 77.3 | 81.3 | 84.9 | 86.1 | 87.0 | 87.7 | 87.7 | 88.6 | 88.7 | 88.7 | 88.7 | 88.8 | 88.8 | 89.0 |
| ≥ 600 | 16.6 | 72.1 | 77.9 | 82.4 | 86.2 | 87.5 | 88.6 | 89.7 | 89.7 | 90.7 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.3 |
| ≥ 500 | 16.6 | 72.3 | 78.2 | 82.7 | 86.7 | 88.3 | 89.7 | 91.1 | 91.1 | 92.1 | 92.5 | 92.5 | 92.5 | 92.6 | 92.6 | 92.7 |
| ≥ 400 | 16.6 | 72.3 | 78.3 | 82.8 | 87.0 | 89.3 | 92.0 | 93.7 | 93.7 | 94.7 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.4 |
| ≥ 300 | 16.6 | 72.3 | 78.4 | 82.9 | 87.5 | 90.2 | 93.6 | 95.6 | 95.6 | 96.9 | 97.4 | 97.4 | 97.5 | 97.6 | 97.7 | 97.9 |
| ≥ 200 | 16.6 | 72.3 | 78.4 | 83.1 | 87.6 | 90.3 | 94.0 | 96.0 | 96.0 | 97.4 | 97.9 | 97.9 | 98.2 | 98.4 | 98.6 | 98.7 |
| ≥ 100 | 16.6 | 72.3 | 78.4 | 83.1 | 87.6 | 90.3 | 94.0 | 96.0 | 96.0 | 97.4 | 97.9 | 97.9 | 98.2 | 98.4 | 99.1 | 99.6 |
| ≥ 0 | 16.6 | 72.3 | 78.4 | 83.1 | 87.6 | 90.3 | 94.0 | 96.0 | 96.0 | 97.4 | 97.9 | 97.9 | 98.2 | 98.4 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 797

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

1999

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 14.0 | 37.3 | 38.1 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 | 38.6 |
| ≥ 20000 | 15.3 | 44.1 | 45.0 | 45.6 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 18000 | 15.3 | 44.1 | 45.0 | 45.6 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 16000 | 15.3 | 44.1 | 45.0 | 45.6 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 14000 | 15.3 | 44.7 | 45.6 | 46.2 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| ≥ 12000 | 15.5 | 45.6 | 46.5 | 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 |
| ≥ 10000 | 15.8 | 47.7 | 49.1 | 49.9 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| ≥ 9000 | 16.0 | 48.7 | 50.3 | 51.1 | 51.9 | 51.9 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 8000 | 16.2 | 50.1 | 51.6 | 52.6 | 53.4 | 53.4 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| ≥ 7000 | 16.5 | 51.5 | 53.0 | 54.0 | 55.0 | 55.1 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| ≥ 6000 | 16.5 | 51.8 | 53.3 | 54.3 | 55.3 | 55.4 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| ≥ 5000 | 17.8 | 54.9 | 56.4 | 57.5 | 58.6 | 58.8 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| ≥ 4500 | 17.9 | 57.4 | 58.9 | 60.2 | 61.3 | 61.5 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| ≥ 4000 | 17.9 | 58.0 | 59.5 | 60.8 | 61.9 | 62.2 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| ≥ 3500 | 17.9 | 58.6 | 60.5 | 61.9 | 63.0 | 63.4 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| ≥ 3000 | 18.2 | 60.2 | 62.0 | 63.7 | 65.0 | 65.4 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| ≥ 2500 | 19.0 | 63.5 | 65.8 | 67.8 | 69.2 | 69.5 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| ≥ 2000 | 19.8 | 67.5 | 69.8 | 72.1 | 73.6 | 73.9 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| ≥ 1800 | 19.8 | 68.5 | 70.8 | 73.1 | 74.7 | 75.1 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| ≥ 1500 | 19.9 | 72.6 | 75.6 | 78.1 | 79.9 | 80.3 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| ≥ 1200 | 19.9 | 74.3 | 77.8 | 80.8 | 82.7 | 83.5 | 84.3 | 84.5 | 84.5 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| ≥ 1000 | 19.9 | 75.7 | 79.4 | 82.8 | 84.7 | 85.5 | 86.3 | 86.5 | 86.5 | 86.8 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| ≥ 900 | 19.9 | 76.2 | 79.9 | 83.5 | 85.5 | 86.2 | 87.1 | 87.3 | 87.3 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 800 | 19.9 | 76.6 | 80.6 | 84.3 | 87.0 | 88.0 | 89.1 | 89.5 | 89.5 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| ≥ 700 | 19.9 | 77.3 | 81.5 | 85.3 | 88.1 | 89.1 | 90.7 | 91.4 | 91.4 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| ≥ 600 | 19.9 | 77.7 | 81.8 | 85.8 | 88.8 | 89.8 | 91.9 | 92.6 | 92.6 | 93.2 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 500 | 19.9 | 77.7 | 82.1 | 86.3 | 89.6 | 90.7 | 93.1 | 94.1 | 94.1 | 95.2 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 400 | 19.9 | 77.7 | 82.1 | 86.7 | 90.2 | 91.6 | 94.1 | 95.7 | 95.7 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 300 | 19.9 | 77.7 | 82.1 | 86.7 | 90.5 | 91.9 | 94.7 | 96.5 | 96.5 | 98.1 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 200 | 19.9 | 77.7 | 82.1 | 86.7 | 90.5 | 91.9 | 94.9 | 96.7 | 96.7 | 98.6 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 100 | 19.9 | 77.7 | 82.1 | 86.7 | 90.5 | 91.9 | 94.9 | 96.7 | 96.7 | 98.6 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 99.7 |
| ≥ 0 | 19.9 | 77.7 | 82.1 | 86.7 | 90.5 | 91.9 | 94.9 | 96.7 | 96.7 | 98.6 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 798

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72[illegible]246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 17.1 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 |
| ≥ 20000 | 20.6 | 43.4 | 43.4 | 43.4 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 |
| ≥ 18000 | 20.6 | 43.4 | 43.4 | 43.4 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 |
| ≥ 16000 | 20.6 | 43.4 | 43.4 | 43.4 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 | 43.7 |
| ≥ 14000 | 20.8 | 43.9 | 43.9 | 43.9 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 | 44.2 |
| ≥ 12000 | 20.8 | 44.8 | 44.8 | 44.9 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| ≥ 10000 | 21.7 | 47.7 | 47.7 | 48.0 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 | 48.2 |
| ≥ 9000 | 21.7 | 48.2 | 48.2 | 48.7 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 |
| ≥ 8000 | 22.0 | 50.0 | 50.1 | 50.6 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 | 51.0 |
| ≥ 7000 | 22.0 | 51.8 | 51.9 | 52.4 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| ≥ 6000 | 22.1 | 52.0 | 52.2 | 52.8 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| ≥ 5000 | 22.6 | 54.1 | 54.2 | 54.8 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 | 55.6 |
| ≥ 4500 | 23.1 | 56.3 | 56.6 | 57.2 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 |
| ≥ 4000 | 23.4 | 57.0 | 57.2 | 57.9 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| ≥ 3500 | 24.2 | 60.0 | 60.3 | 61.2 | 62.2 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| ≥ 3000 | 25.5 | 65.6 | 66.0 | 67.1 | 68.3 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| ≥ 2500 | 27.7 | 72.1 | 72.7 | 74.1 | 75.3 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| ≥ 2000 | 28.4 | 76.5 | 77.3 | 79.1 | 80.2 | 80.7 | 80.7 | 80.7 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| ≥ 1800 | 28.6 | 78.3 | 79.1 | 80.8 | 82.0 | 82.5 | 82.5 | 82.5 | 82.5 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| ≥ 1500 | 28.7 | 81.1 | 82.1 | 84.4 | 85.8 | 86.5 | 86.5 | 86.5 | 86.5 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| ≥ 1200 | 29.1 | 83.1 | 84.3 | 87.2 | 88.8 | 89.6 | 89.8 | 90.0 | 90.0 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| ≥ 1000 | 29.1 | 83.6 | 84.9 | 87.8 | 89.6 | 90.7 | 91.0 | 91.2 | 91.2 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 900 | 29.1 | 83.8 | 85.2 | 88.6 | 90.6 | 91.5 | 91.8 | 92.0 | 92.0 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 800 | 29.1 | 84.0 | 85.4 | 89.2 | 91.4 | 92.3 | 92.9 | 93.3 | 93.3 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 700 | 29.1 | 84.1 | 85.7 | 89.7 | 91.9 | 93.0 | 94.0 | 94.8 | 94.8 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 600 | 29.1 | 84.1 | 86.0 | 90.2 | 92.6 | 93.8 | 94.8 | 95.6 | 95.6 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 500 | 29.1 | 84.1 | 86.0 | 90.6 | 93.3 | 94.7 | 95.7 | 97.0 | 97.0 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 400 | 29.1 | 84.1 | 86.0 | 90.6 | 93.3 | 94.7 | 95.7 | 97.3 | 97.5 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 300 | 29.1 | 84.1 | 86.0 | 90.6 | 93.3 | 94.7 | 95.7 | 97.5 | 97.6 | 99.0 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 200 | 29.1 | 84.1 | 86.0 | 90.6 | 93.3 | 94.7 | 95.8 | 97.6 | 97.7 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 100 | 29.1 | 84.1 | 86.0 | 90.6 | 93.3 | 94.7 | 95.8 | 97.6 | 97.7 | 99.1 | 99.5 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 0 | 29.1 | 84.1 | 86.0 | 90.6 | 93.3 | 94.7 | 95.8 | 97.6 | 97.7 | 99.1 | 99.5 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 788

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

2000

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72?246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 19.1 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| ≥ 20000 | 23.8 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| ≥ 18000 | 23.8 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| ≥ 16000 | 23.8 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| ≥ 14000 | 23.8 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 |
| ≥ 12000 | 23.8 | 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 |
| ≥ 10000 | 24.3 | 50.2 | 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 | 50.3 |
| ≥ 9000 | 24.6 | 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 |
| ≥ 8000 | 24.8 | 52.6 | 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 |
| ≥ 7000 | 25.0 | 53.8 | 54.3 | 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 |
| ≥ 6000 | 25.1 | 54.4 | 54.9 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| ≥ 5000 | 26.0 | 58.2 | 58.8 | 59.4 | 59.7 | 59.7 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| ≥ 4500 | 26.3 | 60.5 | 61.5 | 62.2 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| ≥ 4000 | 26.5 | 61.8 | 63.0 | 63.7 | 64.0 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| ≥ 3500 | 28.2 | 67.0 | 68.5 | 69.3 | 69.8 | 69.9 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| ≥ 3000 | 29.2 | 70.5 | 72.2 | 72.9 | 73.5 | 73.7 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| ≥ 2500 | 30.6 | 75.0 | 77.3 | 78.5 | 79.2 | 79.3 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| ≥ 2000 | 31.3 | 78.7 | 81.3 | 82.8 | 83.5 | 83.6 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| ≥ 1800 | 31.3 | 78.9 | 82.0 | 83.5 | 84.6 | 84.9 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| ≥ 1500 | 32.0 | 81.9 | 85.0 | 86.6 | 88.0 | 88.3 | 88.9 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| ≥ 1200 | 32.1 | 83.1 | 86.3 | 88.3 | 90.3 | 90.5 | 91.1 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 1000 | 32.1 | 83.6 | 86.9 | 88.9 | 91.0 | 91.3 | 91.9 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| ≥ 900 | 32.1 | 84.0 | 87.4 | 89.4 | 91.6 | 91.9 | 92.5 | 92.6 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 800 | 32.1 | 84.5 | 88.0 | 90.0 | 92.3 | 92.5 | 93.3 | 93.4 | 93.4 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 700 | 32.1 | 84.8 | 88.4 | 90.8 | 93.3 | 93.6 | 94.5 | 94.8 | 94.8 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 600 | 32.1 | 85.3 | 89.0 | 91.6 | 94.3 | 94.9 | 95.9 | 96.1 | 96.1 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 500 | 32.1 | 85.3 | 89.0 | 91.8 | 94.6 | 95.4 | 96.4 | 96.9 | 96.9 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 400 | 32.1 | 85.3 | 89.0 | 91.8 | 94.9 | 95.8 | 97.1 | 97.8 | 97.8 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 300 | 32.1 | 85.3 | 89.0 | 91.9 | 95.1 | 96.0 | 97.5 | 98.1 | 98.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 200 | 32.1 | 85.3 | 89.0 | 91.9 | 95.1 | 96.0 | 97.5 | 98.1 | 98.3 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 100 | 32.1 | 85.3 | 89.0 | 91.9 | 95.1 | 96.0 | 97.5 | 98.1 | 98.3 | 99.3 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 |
| ≥ 0 | 32.1 | 85.3 | 89.0 | 91.9 | 95.1 | 96.0 | 97.5 | 98.1 | 98.3 | 99.3 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 801

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

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

1800-2000 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 28.0 | 39.4 | 39.9 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| ≥ 20000 | 32.4 | 47.3 | 47.9 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 |
| ≥ 18000 | 32.4 | 47.3 | 47.9 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 |
| ≥ 16000 | 32.4 | 47.3 | 47.9 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 |
| ≥ 14000 | 32.8 | 48.0 | 48.7 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| ≥ 12000 | 33.9 | 50.2 | 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 |
| ≥ 10000 | 36.1 | 55.5 | 56.5 | 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 |
| ≥ 9000 | 36.1 | 55.5 | 56.5 | 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 |
| ≥ 8000 | 37.4 | 58.1 | 59.1 | 59.8 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| ≥ 7000 | 38.0 | 59.1 | 60.1 | 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 |
| ≥ 6000 | 38.4 | 60.0 | 61.1 | 61.9 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| ≥ 5000 | 40.0 | 65.3 | 66.6 | 68.0 | 68.7 | 68.7 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| ≥ 4500 | 40.8 | 67.3 | 69.1 | 70.5 | 71.3 | 71.3 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| ≥ 4000 | 42.2 | 70.3 | 72.3 | 73.7 | 74.5 | 74.5 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| ≥ 3500 | 42.7 | 72.4 | 74.5 | 76.2 | 77.0 | 77.0 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| ≥ 3000 | 43.2 | 74.6 | 76.7 | 78.7 | 79.5 | 79.5 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| ≥ 2500 | 44.2 | 77.3 | 79.4 | 81.3 | 82.2 | 82.2 | 82.3 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| ≥ 2000 | 45.0 | 80.6 | 83.0 | 84.9 | 85.9 | 86.1 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| ≥ 1800 | 45.0 | 80.9 | 83.4 | 85.3 | 86.3 | 86.5 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| ≥ 1500 | 45.6 | 82.6 | 85.3 | 87.3 | 88.3 | 88.6 | 89.2 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 1200 | 45.6 | 83.0 | 85.6 | 87.7 | 88.7 | 89.1 | 89.7 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 1000 | 45.7 | 84.0 | 87.0 | 89.2 | 90.5 | 90.9 | 91.6 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 900 | 45.7 | 84.1 | 87.2 | 89.5 | 90.7 | 91.1 | 91.9 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| ≥ 800 | 45.7 | 84.4 | 87.4 | 89.8 | 91.2 | 91.6 | 92.4 | 92.6 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 700 | 45.7 | 84.5 | 87.7 | 90.2 | 91.7 | 92.2 | 93.0 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| ≥ 600 | 45.7 | 84.9 | 88.2 | 91.0 | 92.6 | 93.3 | 94.7 | 95.0 | 95.0 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 500 | 45.7 | 84.9 | 88.2 | 91.0 | 92.9 | 93.8 | 95.6 | 95.9 | 95.9 | 96.4 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 400 | 45.7 | 84.9 | 88.2 | 91.1 | 93.3 | 94.2 | 96.3 | 96.8 | 97.1 | 97.7 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 300 | 45.7 | 84.9 | 88.2 | 91.2 | 93.4 | 94.3 | 96.4 | 97.0 | 97.2 | 98.0 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 200 | 45.7 | 84.9 | 88.2 | 91.2 | 93.4 | 94.3 | 96.4 | 97.1 | 97.3 | 98.2 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 |
| ≥ 100 | 45.7 | 84.9 | 88.2 | 91.2 | 93.4 | 94.3 | 96.4 | 97.1 | 97.3 | 98.2 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.5 |
| ≥ 0 | 45.7 | 84.9 | 88.2 | 91.2 | 93.4 | 94.3 | 96.4 | 97.1 | 97.3 | 98.2 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 787

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

2001

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 40.8 | 48.6 | 49.7 | 50.1 | 50.2 | 50.2 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| ≥ 20000 | 43.2 | 51.9 | 53.3 | 53.7 | 53.8 | 53.8 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| ≥ 18000 | 43.2 | 51.9 | 53.3 | 53.7 | 53.8 | 53.8 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| ≥ 16000 | 43.2 | 51.9 | 53.3 | 53.7 | 53.8 | 53.8 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| ≥ 14000 | 44.1 | 53.1 | 54.4 | 54.8 | 54.9 | 54.9 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| ≥ 12000 | 45.7 | 54.9 | 56.3 | 56.7 | 56.8 | 56.8 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| ≥ 10000 | 48.3 | 59.2 | 60.6 | 61.0 | 61.1 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| ≥ 9000 | 48.4 | 59.3 | 60.7 | 61.1 | 61.2 | 61.2 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| ≥ 8000 | 49.1 | 60.7 | 62.1 | 62.5 | 62.6 | 62.6 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| ≥ 7000 | 49.9 | 61.8 | 63.2 | 63.6 | 63.7 | 63.7 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| ≥ 6000 | 51.1 | 63.6 | 65.0 | 65.4 | 65.7 | 65.7 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| ≥ 5000 | 53.6 | 69.5 | 71.1 | 72.3 | 72.6 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| ≥ 4500 | 54.1 | 70.1 | 71.8 | 73.1 | 73.3 | 73.3 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| ≥ 4000 | 55.8 | 74.3 | 76.1 | 77.8 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| ≥ 3500 | 56.3 | 75.8 | 77.6 | 79.5 | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| ≥ 3000 | 57.3 | 77.7 | 79.5 | 81.5 | 82.0 | 82.0 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| ≥ 2500 | 58.1 | 79.6 | 81.4 | 83.4 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| ≥ 2000 | 58.8 | 81.7 | 83.6 | 85.7 | 86.4 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| ≥ 1800 | 59.1 | 82.4 | 84.2 | 86.5 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| ≥ 1500 | 59.7 | 84.0 | 86.1 | 88.4 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| ≥ 1200 | 59.7 | 84.4 | 86.6 | 88.9 | 89.6 | 89.6 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥ 1000 | 59.9 | 84.9 | 87.2 | 89.5 | 90.2 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 900 | 59.9 | 85.2 | 87.6 | 89.9 | 90.6 | 90.7 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 800 | 60.1 | 85.6 | 88.2 | 90.6 | 91.4 | 91.5 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 700 | 60.1 | 85.6 | 88.4 | 90.9 | 91.9 | 92.0 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| ≥ 600 | 60.1 | 85.9 | 88.9 | 91.7 | 93.2 | 93.5 | 94.4 | 94.5 | 94.5 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 500 | 60.1 | 86.1 | 89.2 | 92.7 | 94.5 | 94.7 | 95.9 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 400 | 60.2 | 86.4 | 89.7 | 93.4 | 95.4 | 95.6 | 97.1 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 300 | 60.2 | 86.5 | 89.9 | 93.5 | 95.5 | 95.9 | 97.5 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 200 | 60.2 | 86.5 | 89.9 | 93.5 | 95.5 | 96.0 | 97.9 | 98.4 | 98.5 | 98.9 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 100 | 60.2 | 86.5 | 89.9 | 93.5 | 95.5 | 96.0 | 97.9 | 98.4 | 98.5 | 98.9 | 99.1 | 99.1 | 99.5 | 99.5 | 99.9 | 99.9 |
| ≥ 0 | 60.2 | 86.5 | 89.9 | 93.5 | 95.5 | 96.0 | 97.9 | 98.4 | 98.5 | 98.9 | 99.1 | 99.1 | 99.5 | 99.5 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 799

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 26.3 | 40.4 | 41.2 | 41.5 | 41.8 | 41.8 | 41.8 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 42.0 |
| ≥ 20000 | 28.8 | 46.5 | 47.4 | 47.8 | 48.1 | 48.1 | 48.2 | 48.2 | 48.2 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.4 |
| ≥ 18000 | 28.8 | 46.5 | 47.4 | 47.8 | 48.1 | 48.1 | 48.2 | 48.2 | 48.2 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.4 |
| ≥ 16000 | 28.8 | 46.5 | 47.4 | 47.9 | 48.1 | 48.1 | 48.2 | 48.3 | 48.3 | 48.3 | 48.3 | 48.3 | 48.4 | 48.4 | 48.4 | 48.4 |
| ≥ 14000 | 29.2 | 47.1 | 48.0 | 48.5 | 48.7 | 48.8 | 48.8 | 48.9 | 48.9 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| ≥ 12000 | 29.7 | 48.4 | 49.4 | 49.8 | 50.1 | 50.1 | 5 .2 | 50.2 | 50.2 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 | 50.3 |
| ≥ 10000 | 31.4 | 51.9 | 53.0 | 53.6 | 53.9 | 54.0 | 54.0 | 54.1 | 54.1 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 | 54.2 |
| ≥ 9000 | 31.5 | 52.5 | 53.6 | 54.2 | 54.6 | 54.7 | 54.7 | 54.8 | 54.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| ≥ 8000 | 32.2 | 54.2 | 55.3 | 56.0 | 56.4 | 56.4 | 56.5 | 56.5 | 56.5 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| ≥ 7000 | 32.6 | 55.2 | 56.4 | 57.1 | 57.6 | 57.6 | 57.7 | 57.7 | 57.7 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.9 |
| ≥ 6000 | 33.3 | 56.9 | 57.8 | 58.5 | 59.0 | 59.1 | 59.1 | 59.2 | 59.2 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 |
| ≥ 5000 | 35.1 | 60.7 | 62.2 | 63.3 | 64.0 | 64.1 | 64.2 | 64.2 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.4 |
| ≥ 4500 | 35.4 | 62.4 | 64.1 | 65.3 | 66.0 | 66.1 | 66.2 | 66.3 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 4000 | 36.2 | 64.1 | 65.9 | 67.2 | 68.0 | 68.1 | 68.2 | 68.3 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| ≥ 3500 | 37.0 | 66.4 | 68.3 | 69.8 | 70.6 | 70.8 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| ≥ 3000 | 37.8 | 69.0 | 71.0 | 72.6 | 73.5 | 73.6 | 73.9 | 73.9 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| ≥ 2500 | 39.0 | 72.2 | 74.5 | 76.2 | 77.2 | 77.4 | 77.7 | 77.7 | 77.7 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| ≥ 2000 | 39.9 | 75.4 | 77.9 | 79.8 | 80.9 | 81.1 | 81.4 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| ≥ 1800 | 40.0 | 76.3 | 78.8 | 80.8 | 81.9 | 82.2 | 82.5 | 82.6 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| ≥ 1500 | 40.6 | 78.8 | 81.6 | 83.7 | 85.0 | 85.3 | 85.7 | 85.8 | 85.8 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| ≥ 1200 | 40.8 | 80.1 | 83.0 | 85.4 | 86.8 | 87.2 | 87.6 | 87.8 | 87.8 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 1000 | 40.9 | 80.9 | 84.0 | 86.4 | 88.0 | 88.4 | 88.9 | 89.1 | 89.1 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 900 | 41.0 | 81.1 | 84.3 | 87.0 | 88.7 | 89.1 | 89.6 | 89.8 | 89.8 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 800 | 41.0 | 81.6 | 85.0 | 87.9 | 89.7 | 90.2 | 90.9 | 91.1 | 91.1 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 700 | 41.0 | 82.0 | 85.6 | 88.6 | 90.6 | 91.2 | 92.0 | 92.4 | 92.4 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 600 | 41.0 | 82.3 | 86.1 | 89.4 | 91.6 | 92.3 | 93.3 | 93.8 | 93.8 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 500 | 41.0 | 82.5 | 86.4 | 90.0 | 92.4 | 93.2 | 94.5 | 95.1 | 95.1 | 95.7 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 400 | 41.0 | 82.5 | 86.5 | 90.3 | 92.9 | 93.9 | 95.5 | 96.3 | 96.4 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 300 | 41.0 | 82.5 | 86.5 | 90.4 | 93.1 | 94.2 | 96.1 | 97.0 | 97.1 | 98.0 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 |
| ≥ 200 | 41.0 | 82.5 | 86.5 | 90.5 | 93.3 | 94.3 | 96.3 | 97.3 | 97.4 | 98.4 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 |
| ≥ 100 | 41.0 | 82.5 | 86.5 | 90.5 | 93.3 | 94.3 | 96.4 | 97.3 | 97.4 | 98.4 | 98.9 | 98.9 | 99.2 | 99.3 | 99.6 | 99.7 |
| ≥ 0 | 41.0 | 82.5 | 86.5 | 90.5 | 93.3 | 94.3 | 96.4 | 97.3 | 97.4 | 98.4 | 98.9 | 98.9 | 99.3 | 99.4 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 6349

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

2002

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72[illegible]246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

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

0000-0200 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 41.3 | 49.8 | 51.6 | 52.6 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| ≥ 20000 | 44.5 | 53.1 | 55.4 | 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 |
| ≥ 18000 | 44.5 | 53.1 | 55.4 | 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 |
| ≥ 16000 | 44.5 | 53.1 | 55.4 | 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 |
| ≥ 14000 | 44.8 | 53.7 | 56.0 | 57.5 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| ≥ 12000 | 45.3 | 54.4 | 56.7 | 58.2 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 | 58.9 |
| ≥ 10000 | 48.4 | 58.6 | 61.2 | 62.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| ≥ 9000 | 48.4 | 58.6 | 61.2 | 62.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| ≥ 8000 | 48.6 | 58.8 | 61.5 | 63.1 | 64.0 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| ≥ 7000 | 49.3 | 59.9 | 62.7 | 64.3 | 65.2 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 | 65.4 |
| ≥ 6000 | 51.2 | 62.2 | 65.2 | 67.0 | 67.9 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| ≥ 5000 | 53.8 | 68.2 | 71.9 | 74.0 | 75.3 | 75.5 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| ≥ 4500 | 53.8 | 68.4 | 72.2 | 74.2 | 75.6 | 75.7 | 75.9 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| ≥ 4000 | 54.6 | 70.0 | 74.4 | 76.8 | 78.6 | 78.7 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| ≥ 3500 | 54.9 | 70.8 | 75.3 | 78.3 | 80.1 | 80.2 | 80.4 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| ≥ 3000 | 55.8 | 72.2 | 77.0 | 80.1 | 81.9 | 82.0 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| ≥ 2500 | 56.3 | 73.3 | 78.3 | 81.4 | 83.2 | 83.5 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| ≥ 2000 | 56.5 | 74.5 | 79.6 | 82.9 | 84.7 | 84.9 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| ≥ 1800 | 56.5 | 74.5 | 79.6 | 83.0 | 84.8 | 85.1 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| ≥ 1500 | 56.6 | 75.2 | 80.4 | 84.0 | 86.0 | 86.3 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| ≥ 1200 | 56.7 | 75.8 | 81.2 | 84.7 | 86.8 | 87.0 | 87.2 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.5 | 87.5 |
| ≥ 1000 | 56.9 | 76.2 | 81.9 | 85.7 | 88.1 | 88.3 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 89.1 | 89.1 |
| ≥ 900 | 56.9 | 76.3 | 82.1 | 86.0 | 88.6 | 88.8 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.6 | 89.6 |
| ≥ 800 | 56.9 | 76.4 | 82.5 | 86.6 | 89.6 | 90.2 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 91.0 | 91.0 |
| ≥ 700 | 57.0 | 76.8 | 82.9 | 87.0 | 89.9 | 90.5 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.4 | 91.4 |
| ≥ 600 | 57.0 | 76.8 | 82.9 | 87.1 | 90.3 | 90.9 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 92.0 | 92.0 |
| ≥ 500 | 57.1 | 77.0 | 83.1 | 88.0 | 91.5 | 92.2 | 93.1 | 93.2 | 93.2 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.8 | 93.8 |
| ≥ 400 | 57.1 | 77.0 | 83.2 | 88.3 | 92.1 | 93.1 | 94.4 | 95.0 | 95.0 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.7 | 95.7 |
| ≥ 300 | 57.1 | 77.0 | 83.2 | 88.3 | 92.1 | 93.1 | 94.5 | 95.3 | 95.3 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 96.2 | 96.2 |
| ≥ 200 | 57.1 | 77.0 | 83.2 | 88.3 | 92.2 | 93.2 | 94.8 | 95.6 | 95.6 | 96.2 | 96.4 | 96.4 | 96.7 | 96.7 | 97.6 | 97.8 |
| ≥ 100 | 57.1 | 77.0 | 83.2 | 88.3 | 92.2 | 93.2 | 94.8 | 95.6 | 95.6 | 96.4 | 96.6 | 96.6 | 97.2 | 97.2 | 98.3 | 99.0 |
| ≥ 0 | 57.1 | 77.0 | 83.2 | 88.3 | 92.2 | 93.2 | 94.8 | 95.6 | 95.6 | 96.4 | 96.6 | 96.6 | 97.2 | 97.2 | 98.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 823

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 28.9 | 41.7 | 45.2 | 46.6 | 48.2 | 48.6 | 48.7 | 48.9 | 48.9 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.1 | 49.1 |
| ≥ 20000 | 30.6 | 44.6 | 48.2 | 49.7 | 51.5 | 51.9 | 52.0 | 52.2 | 52.2 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.5 | 52.5 |
| ≥ 18000 | 30.6 | 44.6 | 48.2 | 49.7 | 51.5 | 51.9 | 52.0 | 52.2 | 52.2 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.5 | 52.5 |
| ≥ 16000 | 30.6 | 44.6 | 48.2 | 49.7 | 51.5 | 51.9 | 52.0 | 52.2 | 52.2 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.5 | 52.5 |
| ≥ 14000 | 31.0 | 45.3 | 49.0 | 50.7 | 52.5 | 52.8 | 53.0 | 53.3 | 53.3 | 53.4 | 53.4 | 53.4 | 53.4 | 53.4 | 53.6 | 53.6 |
| ≥ 12000 | 31.1 | 46.2 | 49.8 | 51.5 | 53.3 | 53.8 | 53.9 | 54.3 | 54.3 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.5 | 54.5 |
| ≥ 10000 | 34.7 | 51.1 | 55.0 | 56.7 | 59.0 | 59.5 | 59.6 | 60.0 | 60.0 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.2 | 60.2 |
| ≥ 9000 | 34.8 | 51.5 | 55.4 | 57.1 | 59.4 | 59.9 | 60.0 | 60.3 | 60.3 | 60.5 | 60.5 | 60.5 | 60.5 | 60.5 | 60.6 | 60.6 |
| ≥ 8000 | 35.8 | 53.1 | 57.0 | 58.6 | 60.9 | 61.7 | 61.9 | 62.3 | 62.3 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.5 | 62.5 |
| ≥ 7000 | 36.3 | 54.1 | 57.9 | 59.6 | 61.9 | 62.6 | 62.9 | 63.2 | 63.2 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.5 | 63.5 |
| ≥ 6000 | 37.7 | 56.1 | 60.1 | 61.8 | 64.1 | 64.8 | 65.1 | 65.4 | 65.4 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.7 | 65.7 |
| ≥ 5000 | 39.8 | 60.2 | 64.8 | 66.7 | 69.0 | 69.8 | 70.1 | 70.6 | 70.6 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.9 | 70.9 |
| ≥ 4500 | 40.1 | 61.5 | 66.1 | 68.2 | 70.5 | 71.2 | 71.7 | 72.3 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.6 | 72.6 |
| ≥ 4000 | 40.5 | 62.2 | 67.1 | 69.4 | 71.7 | 72.4 | 72.9 | 73.6 | 73.6 | 73.8 | 73.8 | 7[illegible] | 73.8 | 73.8 | 73.9 | 73.9 |
| ≥ 3500 | 41.1 | 63.2 | 68.3 | 70.7 | 73.0 | 73.8 | 74.2 | 75.0 | 75.0 | 75.1 | 75.1 | 75.[illegible] | 75.1 | 75.1 | 75.2 | 75.2 |
| ≥ 3000 | 41.5 | 64.6 | 69.8 | 72.2 | 74.7 | 75.6 | 76.1 | 76.8 | 76.8 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 | 77.1 | 77.1 |
| ≥ 2500 | 42.2 | 65.5 | 71.1 | 73.8 | 76.4 | 77.3 | 77.9 | 78.7 | 78.7 | 78.8 | 79.0 | 79.0 | 79.1 | 79.1 | 79.2 | 79.2 |
| ≥ 2000 | 42.2 | 66.1 | 71.7 | 74.4 | 77.1 | 78.0 | 78.6 | 79.4 | 79.4 | 79.6 | 79.7 | 79.7 | 79.8 | 79.8 | 79.9 | 79.9 |
| ≥ 1800 | 42.3 | 66.4 | 72.1 | 74.7 | 77.5 | 78.4 | 79.0 | 79.8 | 79.8 | 79.9 | 80.2 | 80.2 | 80.3 | 80.3 | 80.4 | 80.4 |
| ≥ 1500 | 42.4 | 67.6 | 73.5 | 76.4 | 79.2 | 80.0 | 80.7 | 81.5 | 81.5 | 81.6 | 81.9 | 81.9 | 82.0 | 82.0 | 82.1 | 82.1 |
| ≥ 1200 | 42.4 | 67.7 | 73.8 | 76.7 | 79.6 | 80.4 | 81.0 | 81.9 | 81.9 | 82.0 | 82.2 | 82.2 | 82.3 | 82.3 | 82.5 | 82.5 |
| ≥ 1000 | 42.7 | 68.3 | 74.8 | 78.0 | 81.5 | 82.5 | 83.1 | 83.9 | 83.9 | 84.0 | 84.3 | 84.3 | 84.4 | 84.4 | 84.5 | 84.5 |
| ≥ 900 | 42.7 | 68.3 | 74.8 | 78.4 | 82.0 | 83.0 | 83.6 | 84.4 | 84.4 | 84.5 | 84.8 | 84.8 | 84.9 | 84.9 | 85.0 | 85.0 |
| ≥ 800 | 42.7 | 69.2 | 75.9 | 79.9 | 83.8 | 84.9 | 85.6 | 86.5 | 86.5 | 86.6 | 86.8 | 86.8 | 87.1 | 87.1 | 87.2 | 87.2 |
| ≥ 700 | 42.7 | 69.8 | 76.5 | 80.7 | 84.6 | 85.7 | 86.6 | 87.4 | 87.4 | 87.5 | 87.9 | 87.9 | 88.1 | 88.1 | 88.3 | 88.3 |
| ≥ 600 | 42.7 | 69.9 | 77.0 | 81.4 | 85.0 | 87.1 | 88.1 | 89.1 | 89.1 | 89.2 | 89.6 | 89.6 | 90.0 | 90.0 | 90.1 | 90.1 |
| ≥ 500 | 42.7 | 70.1 | 77.4 | 82.7 | 87.7 | 89.0 | 90.3 | 91.3 | 91.3 | 91.5 | 91.9 | 91.9 | 92.3 | 92.3 | 92.5 | 92.5 |
| ≥ 400 | 42.7 | 70.4 | 77.6 | 83.1 | 88.3 | 90.0 | 91.7 | 92.9 | 92.9 | 93.6 | 94.0 | 94.0 | 94.4 | 94.4 | 94.7 | 94.7 |
| ≥ 300 | 42.7 | 70.4 | 77.6 | 83.1 | 88.3 | 90.0 | 91.9 | 93.1 | 93.1 | 94.0 | 94.4 | 94.4 | 95.2 | 95.2 | 95.4 | 95.4 |
| ≥ 200 | 42.7 | 70.4 | 77.6 | 83.1 | 88.4 | 90.2 | 92.7 | 94.1 | 94.1 | 95.2 | 95.6 | 95.6 | 96.6 | 96.6 | 97.1 | 97.2 |
| ≥ 100 | 42.7 | 70.4 | 77.6 | 83.1 | 88.4 | 90.2 | 92.7 | 94.1 | 94.1 | 95.2 | 95.6 | 95.6 | 96.7 | 96.7 | 97.9 | 98.7 |
| ≥ 0 | 42.7 | 70.4 | 77.6 | 83.1 | 88.4 | 90.2 | 92.7 | 94.1 | 94.1 | 95.2 | 95.6 | 95.6 | 96.7 | 96.7 | 97.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 827

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

2003

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 10.6 | 33.7 | 36.4 | 38.5 | 39.7 | 41.1 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 42.0 | 42.0 | 42.0 | 42.1 |
| ≥ 20000 | 11.3 | 37.9 | 41.1 | 43.2 | 44.9 | 46.5 | 47.9 | 48.1 | 48.1 | 48.1 | 48.2 | 48.2 | 48.3 | 48.3 | 48.3 | 48.4 |
| ≥ 18000 | 11.3 | 37.9 | 41.1 | 43.2 | 44.9 | 46.5 | 47.9 | 48.1 | 48.1 | 48.1 | 48.2 | 48.2 | 48.3 | 48.3 | 48.3 | 48.4 |
| ≥ 16000 | 11.3 | 37.9 | 41.1 | 43.2 | 44.9 | 46.5 | 47.9 | 48.1 | 48.1 | 48.1 | 48.2 | 48.2 | 48.3 | 48.3 | 48.3 | 48.4 |
| ≥ 14000 | 11.3 | 38.6 | 41.9 | 43.9 | 45.8 | 47.3 | 48.8 | 48.9 | 48.9 | 48.9 | 49.0 | 49.0 | 49.2 | 49.2 | 49.2 | 49.3 |
| ≥ 12000 | 11.9 | 41.0 | 44.5 | 46.7 | 48.5 | 50.1 | 51.6 | 51.7 | 51.7 | 51.7 | 51.8 | 51.8 | 51.9 | 51.9 | 51.9 | 52.1 |
| ≥ 10000 | 12.7 | 43.2 | 47.2 | 49.4 | 51.5 | 53.0 | 54.5 | 54.6 | 54.6 | 54.6 | 54.7 | 54.7 | 54.9 | 54.9 | 54.9 | 55.0 |
| ≥ 9000 | 13.0 | 43.8 | 47.8 | 50.1 | 52.2 | 53.8 | 55.2 | 55.3 | 55.3 | 55.3 | 55.5 | 55.5 | 55.6 | 55.6 | 55.6 | 55.7 |
| ≥ 8000 | 13.2 | 45.8 | 50.0 | 52.5 | 54.6 | 56.2 | 57.6 | 57.9 | 57.9 | 57.9 | 58.0 | 58.0 | 58.1 | 58.1 | 58.1 | 58.3 |
| ≥ 7000 | 13.3 | 47.2 | 51.7 | 54.2 | 56.4 | 58.3 | 59.8 | 60.1 | 60.1 | 60.3 | 60.4 | 60.4 | 60.6 | 60.6 | 60.6 | 60.7 |
| ≥ 6000 | 13.3 | 47.8 | 52.3 | 55.0 | 57.3 | 59.1 | 60.7 | 60.9 | 60.9 | 61.2 | 61.3 | 61.3 | 61.4 | 61.4 | 61.4 | 61.5 |
| ≥ 5000 | 13.6 | 49.9 | 54.5 | 57.6 | 60.1 | 61.9 | 63.5 | 63.7 | 63.7 | 64.0 | 64.1 | 64.1 | 64.2 | 64.2 | 64.2 | 64.3 |
| ≥ 4500 | 14.0 | 52.5 | 58.1 | 61.4 | 63.8 | 65.8 | 67.5 | 67.7 | 67.8 | 68.1 | 68.2 | 68.2 | 68.3 | 68.3 | 68.3 | 68.4 |
| ≥ 4000 | 14.0 | 53.2 | 58.9 | 62.1 | 64.7 | 67.1 | 68.9 | 69.2 | 69.3 | 69.5 | 69.7 | 69.7 | 69.8 | 69.8 | 69.8 | 69.9 |
| ≥ 3500 | 14.1 | 54.6 | 60.3 | 63.7 | 66.4 | 68.8 | 70.6 | 70.9 | 71.0 | 71.2 | 71.4 | 71.4 | 71.5 | 71.5 | 71.5 | 71.6 |
| ≥ 3000 | 14.3 | 56.1 | 61.8 | 65.2 | 68.1 | 70.6 | 72.6 | 72.8 | 72.9 | 73.2 | 73.3 | 73.3 | 73.4 | 73.4 | 73.4 | 73.5 |
| ≥ 2500 | 14.7 | 56.9 | 62.7 | 66.3 | 69.2 | 71.8 | 73.8 | 74.2 | 74.3 | 74.6 | 74.9 | 74.9 | 75.0 | 75.0 | 75.0 | 75.1 |
| ≥ 2000 | 14.7 | 57.5 | 63.5 | 67.4 | 70.3 | 73.2 | 75.2 | 75.6 | 75.7 | 76.1 | 76.3 | 76.3 | 76.5 | 76.5 | 76.5 | 76.6 |
| ≥ 1800 | 14.7 | 57.9 | 63.8 | 67.7 | 70.8 | 73.7 | 75.7 | 76.2 | 76.3 | 76.7 | 76.9 | 76.9 | 77.1 | 77.1 | 77.1 | 77.2 |
| ≥ 1500 | 14.8 | 58.9 | 65.3 | 69.3 | 72.6 | 75.5 | 77.7 | 78.3 | 78.4 | 78.8 | 79.1 | 79.1 | 79.2 | 79.2 | 79.2 | 79.4 |
| ≥ 1200 | 14.9 | 60.2 | 66.9 | 71.2 | 74.6 | 77.8 | 80.0 | 80.6 | 80.7 | 81.1 | 81.6 | 81.6 | 81.8 | 81.8 | 81.8 | 81.9 |
| ≥ 1000 | 14.9 | 61.2 | 67.8 | 72.3 | 75.8 | 79.0 | 81.2 | 81.8 | 81.9 | 82.3 | 82.8 | 82.8 | 83.0 | 83.0 | 83.0 | 83.1 |
| ≥ 900 | 14.9 | 61.4 | 68.3 | 73.1 | 76.6 | 79.7 | 81.9 | 82.5 | 82.6 | 83.0 | 83.5 | 83.5 | 83.7 | 83.7 | 83.7 | 83.9 |
| ≥ 800 | 14.9 | 62.0 | 68.9 | 73.7 | 77.3 | 80.5 | 82.8 | 83.4 | 83.5 | 84.0 | 84.6 | 84.6 | 84.8 | 84.8 | 84.8 | 85.0 |
| ≥ 700 | 14.9 | 62.4 | 69.4 | 74.4 | 78.3 | 81.8 | 84.1 | 84.7 | 84.8 | 85.3 | 85.9 | 85.9 | 86.2 | 86.2 | 86.2 | 86.3 |
| ≥ 600 | 14.9 | 62.6 | 69.8 | 74.8 | 78.9 | 82.8 | 85.4 | 86.0 | 86.2 | 86.7 | 87.4 | 87.4 | 87.6 | 87.6 | 87.6 | 87.7 |
| ≥ 500 | 14.9 | 62.9 | 70.0 | 75.0 | 79.1 | 83.4 | 86.7 | 87.4 | 87.5 | 88.2 | 89.1 | 89.1 | 89.3 | 89.3 | 89.3 | 89.4 |
| ≥ 400 | 14.9 | 63.0 | 70.3 | 75.4 | 79.7 | 84.0 | 87.9 | 89.4 | 89.7 | 91.7 | 92.8 | 92.8 | 93.1 | 93.1 | 93.1 | 93.2 |
| ≥ 300 | 14.9 | 63.1 | 70.4 | 75.5 | 79.9 | 84.1 | 88.1 | 90.2 | 90.5 | 92.8 | 94.3 | 94.4 | 94.7 | 94.7 | 94.7 | 94.8 |
| ≥ 200 | 14.9 | 63.1 | 70.4 | 75.5 | 79.9 | 84.1 | 88.1 | 90.2 | 90.7 | 93.6 | 95.8 | 95.9 | 96.6 | 96.6 | 96.8 | 97.1 |
| ≥ 100 | 14.9 | 63.1 | 70.4 | 75.5 | 79.9 | 84.1 | 88.1 | 90.2 | 90.7 | 93.6 | 95.9 | 96.0 | 97.0 | 97.0 | 97.8 | 98.7 |
| ≥ 0 | 14.9 | 63.1 | 70.4 | 75.5 | 79.9 | 84.1 | 88.1 | 90.2 | 90.7 | 93.6 | 95.9 | 96.0 | 97.0 | 97.0 | 97.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 824

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

720246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

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

0900-1100 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 14.0 | 39.0 | 40.7 | 41.5 | 42.6 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| ≥ 20000 | 14.8 | 43.9 | 46.0 | 47.3 | 48.8 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| ≥ 18000 | 15.1 | 44.1 | 46.2 | 47.5 | 49.0 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 |
| ≥ 16000 | 15.1 | 44.4 | 46.4 | 47.8 | 49.3 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| ≥ 14000 | 15.1 | 44.7 | 46.8 | 48.2 | 49.6 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 |
| ≥ 12000 | 15.7 | 46.4 | 49.3 | 50.9 | 52.3 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| ≥ 10000 | 16.2 | 48.5 | 51.5 | 53.1 | 54.8 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| ≥ 9000 | 16.2 | 49.5 | 52.5 | 54.0 | 55.8 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 |
| ≥ 8000 | 16.7 | 51.1 | 54.2 | 56.0 | 58.0 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 |
| ≥ 7000 | 17.0 | 52.3 | 55.4 | 57.4 | 59.6 | 60.2 | 60.3 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| ≥ 6000 | 17.0 | 52.6 | 55.6 | 57.6 | 59.8 | 60.4 | 60.5 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| ≥ 5000 | 17.3 | 54.4 | 57.6 | 59.7 | 62.0 | 62.6 | 62.7 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 | 62.9 |
| ≥ 4500 | 17.9 | 57.1 | 60.7 | 63.0 | 65.3 | 66.1 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| ≥ 4000 | 17.9 | 57.4 | 60.9 | 63.7 | 66.2 | 66.9 | 67.0 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| ≥ 3500 | 18.0 | 58.2 | 62.0 | 65.0 | 67.5 | 68.4 | 68.5 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| ≥ 3000 | 19.2 | 60.9 | 65.2 | 68.1 | 70.8 | 71.7 | 71.9 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| ≥ 2500 | 20.5 | 65.0 | 69.4 | 72.3 | 75.2 | 76.1 | 76.3 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| ≥ 2000 | 21.1 | 68.0 | 72.4 | 75.7 | 78.7 | 79.5 | 79.8 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 |
| ≥ 1800 | 21.1 | 69.2 | 73.8 | 77.1 | 80.1 | 81.1 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| ≥ 1500 | 21.7 | 72.3 | 77.2 | 80.6 | 83.9 | 85.0 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| ≥ 1200 | 21.7 | 73.9 | 79.0 | 82.5 | 85.9 | 87.0 | 87.4 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| ≥ 1000 | 21.7 | 74.8 | 80.1 | 83.7 | 87.3 | 88.6 | 89.1 | 89.3 | 89.3 | 89.3 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 900 | 21.7 | 75.2 | 80.9 | 84.4 | 88.0 | 89.3 | 89.8 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| ≥ 800 | 21.7 | 75.9 | 81.6 | 85.3 | 89.0 | 90.3 | 90.9 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 700 | 21.7 | 76.0 | 81.9 | 85.5 | 89.2 | 91.1 | 91.8 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 600 | 21.7 | 76.2 | 82.1 | 85.8 | 89.7 | 91.8 | 93.4 | 93.8 | 94.0 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 500 | 21.7 | 76.3 | 82.2 | 86.0 | 90.1 | 92.4 | 94.2 | 95.2 | 95.5 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 400 | 21.7 | 76.7 | 82.6 | 86.5 | 90.6 | 92.9 | 94.7 | 95.7 | 96.3 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 300 | 21.7 | 76.7 | 82.6 | 86.5 | 90.6 | 92.9 | 94.7 | 95.7 | 96.3 | 97.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 200 | 21.7 | 76.7 | 82.6 | 86.5 | 90.6 | 92.9 | 94.7 | 95.7 | 96.3 | 97.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.3 | 99.3 |
| ≥ 100 | 21.7 | 76.7 | 82.6 | 86.5 | 90.6 | 92.9 | 94.7 | 95.7 | 96.3 | 97.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.5 | 99.6 |
| ≥ 0 | 21.7 | 76.7 | 82.6 | 86.5 | 90.6 | 92.9 | 94.7 | 95.7 | 96.3 | 97.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 816

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

2004

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72 246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 16.8 | 35.5 | 36.3 | 36.8 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 |
| ≥ 20000 | 18.9 | 42.6 | 44.1 | 44.8 | 45. | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 |
| ≥ 18000 | 18.9 | 42.6 | 44.1 | 44.8 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 |
| ≥ 16000 | 18.9 | 42.6 | 44.1 | 44.8 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 |
| ≥ 14000 | 18.9 | 42.9 | 44.3 | 45.1 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 | 45.3 |
| ≥ 12000 | 19.7 | 45.2 | 47.0 | 47.7 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| ≥ 10000 | 20.3 | 47.0 | 48.8 | 49.6 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 |
| ≥ 9000 | 20.4 | 47.1 | 49.0 | 49.7 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| ≥ 8000 | 20.8 | 48.5 | 50.3 | 51.0 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| ≥ 7000 | 20.9 | 49.2 | 51.0 | 52.3 | 53.1 | 53.1 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 | 53.2 |
| ≥ 6000 | 21.4 | 50.2 | 52.0 | 53.4 | 54.2 | 54.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| ≥ 5000 | 21.7 | 51.2 | 53.1 | 54.6 | 55.4 | 55.6 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| ≥ 4500 | 22.1 | 53.7 | 55.6 | 57.3 | 58.1 | 58.2 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 |
| ≥ 4000 | 23.0 | 55.1 | 57.1 | 58.9 | 59.7 | 59.8 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| ≥ 3500 | 24.8 | 59.7 | 62.4 | 64.6 | 65.4 | 65.6 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| ≥ 3000 | 27.0 | 66.1 | 69.0 | 71.4 | 73.0 | 73.1 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| ≥ 2500 | 28.3 | 72.3 | 75.3 | 77.9 | 79.7 | 80.0 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| ≥ 2000 | 28.7 | 77.4 | 80.6 | 83.8 | 85.7 | 86.3 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| ≥ 1800 | 28.7 | 77.9 | 81.3 | 84.5 | 86.6 | 87.2 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 1500 | 28.7 | 79.6 | 83.2 | 86.6 | 89.0 | 89.6 | 90.2 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 1200 | 28.8 | 81.1 | 84.6 | 88.4 | 90.8 | 91.5 | 92.2 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 1000 | 28.8 | 81.4 | 85.2 | 89.3 | 91.7 | 92.3 | 93.3 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 900 | 28.8 | 81.7 | 85.5 | 89.5 | 92.1 | 92.7 | 93.9 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 800 | 28.8 | 81.8 | 85.7 | 89.9 | 92.6 | 93.2 | 94.6 | 95.4 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 700 | 28.8 | 81.8 | 85.8 | 90.0 | 92.7 | 93.3 | 95.0 | 95.7 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 600 | 28.8 | 82.1 | 86.1 | 90.5 | 93.2 | 94.0 | 96.0 | 96.7 | 97.2 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 500 | 28.8 | 82.1 | 86.2 | 90.6 | 93.3 | 94.3 | 96.3 | 97.2 | 97.7 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 400 | 28.8 | 82.3 | 86.6 | 91.1 | 93.8 | 95.1 | 97.2 | 98.2 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 300 | 28.8 | 82.3 | 86.6 | 91.1 | 93.8 | 95.1 | 97.2 | 98.4 | 98.9 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 |
| ≥ 200 | 28.8 | 82.3 | 86.6 | 91.1 | 93.8 | 95.1 | 97.2 | 98.4 | 98.9 | 99.4 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 100 | 28.8 | 82.3 | 86.6 | 91.1 | 93.8 | 95.1 | 97.2 | 98.4 | 98.9 | 99.4 | 99.5 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 |
| ≥ 0 | 28.8 | 82.3 | 86.6 | 91.1 | 93.8 | 95.1 | 97.2 | 98.4 | 98.9 | 99.4 | 99.5 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 819

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7[illegible]246 MANSFIELD LAHM MAP OH 73-81 MAY
STATION STATION NAME YEARS MONTH

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

1500-1700
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 19.1 | 38.7 | 38.8 | 39.3 | 39.5 | 39.6 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 | 39.8 |
| ≥ 20000 | 21.9 | 44.6 | 45.6 | 46.2 | 46.6 | 46.7 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| ≥ 18000 | 21.9 | 44.6 | 45.6 | 46.2 | 46.6 | 46.7 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 | 47.0 |
| ≥ 16000 | 21.9 | 44.8 | 45.7 | 46.3 | 46.7 | 46.8 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| ≥ 14000 | 21.9 | 44.8 | 45.7 | 46.3 | 46.7 | 46.8 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 | 47.1 |
| ≥ 12000 | 21.9 | 46.7 | 47.7 | 48.3 | 48.7 | 48.8 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| ≥ 10000 | 22.2 | 49.1 | 50.1 | 50.7 | 51.5 | 51.7 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 9000 | 22.7 | 50.1 | 51.2 | 51.8 | 52.6 | 52.8 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 |
| ≥ 8000 | 23.2 | 52.0 | 53.0 | 53.8 | 54.5 | 54.8 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55. |
| ≥ 7000 | 23.7 | 53.7 | 55.0 | 55.7 | 56.5 | 56.7 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57. |
| ≥ 6000 | 24.9 | 55.6 | 57.0 | 57.7 | 58.5 | 58.8 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59. |
| ≥ 5000 | 25.6 | 57.4 | 58.9 | 59.8 | 60.6 | 60.9 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| ≥ 4500 | 26.6 | 61.0 | 62.7 | 63.7 | 64.6 | 64.9 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| ≥ 4000 | 27.2 | 62.2 | 64.4 | 65.6 | 66.6 | 66.8 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| ≥ 3500 | 29.3 | 67.1 | 70.2 | 71.7 | 72.7 | 73.0 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 |
| ≥ 3000 | 30.5 | 71.3 | 74.9 | 77.0 | 77.9 | 78.3 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 |
| ≥ 2500 | 31.1 | 75.6 | 79.5 | 82.1 | 83.2 | 83.7 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| ≥ 2000 | 31.1 | 80.1 | 84.4 | 87.3 | 88.4 | 88.9 | 89.6 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 1800 | 31.1 | 81.0 | 85.4 | 88.3 | 89.4 | 89.9 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| ≥ 1500 | 31.1 | 82.6 | 87.6 | 91.2 | 92.3 | 92.8 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 1200 | 31.1 | 82.6 | 87.6 | 91.6 | 92.7 | 93.5 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 1000 | 31.1 | 83.0 | 88.1 | 92.2 | 93.3 | 94.1 | 95.1 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 900 | 31.1 | 83.2 | 88.3 | 92.4 | 93.5 | 94.4 | 95.6 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 800 | 31.1 | 83.4 | 88.7 | 92.9 | 94.1 | 95.0 | 96.3 | 96.8 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 700 | 31.1 | 83.5 | 88.8 | 93.0 | 94.3 | 95.1 | 96.5 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 600 | 31.1 | 83.9 | 89.1 | 93.4 | 94.6 | 95.5 | 96.8 | 97.3 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 500 | 31.1 | 83.9 | 89.1 | 93.4 | 94.8 | 95.6 | 97.1 | 97.6 | 97.7 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 400 | 31.2 | 84.0 | 89.3 | 93.5 | 94.9 | 96.0 | 97.7 | 98.2 | 98.3 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 300 | 31.2 | 84.1 | 89.4 | 93.7 | 95.0 | 96.1 | 97.8 | 98.4 | 98.5 | 99.3 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 |
| ≥ 200 | 31.2 | 84.1 | 89.4 | 93.7 | 95.0 | 96.1 | 97.8 | 98.4 | 98.5 | 99.3 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 |
| ≥ 100 | 31.2 | 84.1 | 89.4 | 93.7 | 95.0 | 96.1 | 97.8 | 98.4 | 98.5 | 99.3 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 |
| ≥ 0 | 31.2 | 84.1 | 89.4 | 93.7 | 95.0 | 96.1 | 97.8 | 98.4 | 98.5 | 99.3 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 100.0 |

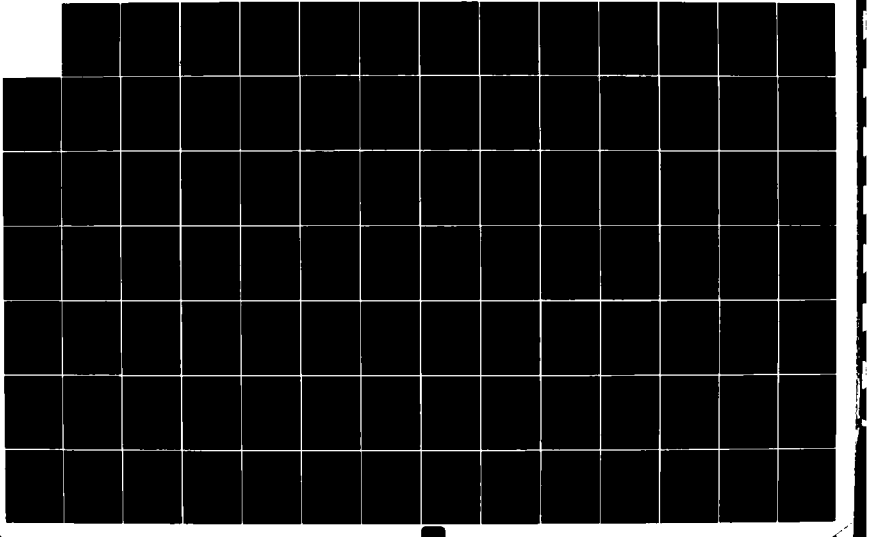
TOTAL NUMBER OF OBSERVATIONS 825

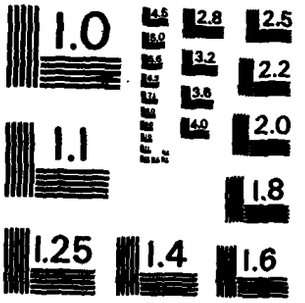
2005

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

AD-A122 714 MANSFIELD/LAHM MAP OHIO REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 03 AUG 82

UNCLASSIFIED USAFETAC/DS-82/048 SBI-AD-E850 207 F/G 4/2 NL






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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

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

1800-2000 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 31.1 | 41.2 | 42.8 | 43.8 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 | 44.0 |
| ≥ 20000 | 34.6 | 47.3 | 49.0 | 50.2 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| ≥ 18000 | 34.6 | 47.3 | 49.3 | 50.2 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| ≥ 16000 | 34.6 | 47.3 | 49.0 | 50.2 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| ≥ 14000 | 35.0 | 47.9 | 49.8 | 51.0 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| ≥ 12000 | 35.3 | 49.4 | 51.2 | 52.5 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| ≥ 10000 | 37.3 | 53.3 | 55.3 | 56.6 | 57.2 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 | 57.5 |
| ≥ 9000 | 37.4 | 53.7 | 55.6 | 57.0 | 57.6 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| ≥ 8000 | 38.0 | 55.3 | 57.2 | 58.7 | 59.4 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| ≥ 7000 | 38.5 | 56.1 | 58.1 | 59.7 | 60.4 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| ≥ 6000 | 39.1 | 57.8 | 60.3 | 62.0 | 63.1 | 63.4 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| ≥ 5000 | 41.8 | 62.3 | 65.1 | 67.2 | 68.6 | 69.1 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| ≥ 4500 | 42.0 | 63.2 | 66.4 | 68.6 | 70.3 | 70.8 | 7 .1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| ≥ 4000 | 43.6 | 67.5 | 71.1 | 73.7 | 75.5 | 76.1 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| ≥ 3500 | 44.1 | 69.1 | 73.0 | 75.9 | 77.8 | 78.4 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| ≥ 3000 | 45.2 | 71.1 | 75.4 | 78.7 | 80.9 | 81.5 | 82.0 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| ≥ 2500 | 45.5 | 72.4 | 77.0 | 80.9 | 83.5 | 84.2 | 84.8 | 85.0 | 85.0 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| ≥ 2000 | 46.1 | 73.9 | 78.9 | 83.2 | 86.2 | 86.9 | 87.7 | 88.1 | 88.1 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| ≥ 1800 | 46.1 | 73.9 | 79.2 | 83.5 | 86.4 | 87.1 | 88.0 | 88.4 | 88.4 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| ≥ 1500 | 46.3 | 74.5 | 79.9 | 84.9 | 88.0 | 88.7 | 89.6 | 90.0 | 90.0 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥ 1200 | 46.3 | 74.5 | 79.9 | 85.2 | 88.2 | 89.0 | 89.8 | 90.2 | 90.2 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 1000 | 46.3 | 74.5 | 79.9 | 85.2 | 88.2 | 89.0 | 89.8 | 90.2 | 90.2 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 900 | 46.3 | 74.8 | 80.5 | 86.2 | 89.2 | 90.0 | 90.9 | 91.3 | 91.3 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 800 | 46.3 | 75.0 | 80.8 | 86.8 | 90.0 | 90.7 | 91.8 | 92.2 | 92.2 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 700 | 46.3 | 75.1 | 80.9 | 87.0 | 90.3 | 91.1 | 92.2 | 92.5 | 92.5 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 600 | 46.3 | 75.4 | 81.3 | 87.5 | 91.1 | 92.0 | 93.3 | 93.9 | 93.9 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 500 | 46.3 | 75.4 | 81.4 | 87.6 | 91.2 | 92.3 | 93.8 | 94.7 | 94.7 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 400 | 46.3 | 75.4 | 81.4 | 87.7 | 91.4 | 92.6 | 94.2 | 95.6 | 95.7 | 97.5 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 300 | 46.3 | 75.4 | 81.4 | 87.7 | 91.4 | 92.6 | 94.2 | 95.6 | 95.7 | 97.7 | 98.3 | 98.3 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 200 | 46.3 | 75.4 | 81.4 | 87.7 | 91.4 | 92.6 | 94.2 | 95.6 | 95.7 | 98.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 100 | 46.3 | 75.4 | 81.4 | 87.7 | 91.4 | 92.6 | 94.2 | 95.6 | 95.7 | 98.0 | 99.4 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 0 | 46.3 | 75.4 | 81.4 | 87.7 | 91.4 | 92.6 | 94.2 | 95.6 | 95.7 | 98.0 | 99.4 | 99.4 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 816

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | MAY MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 40.2 | 49.1 | 51.0 | 52.5 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| ≥ 20000 | 42.7 | 52.3 | 54.7 | 56.3 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| ≥ 18000 | 42.7 | 52.3 | 54.7 | 56.3 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| ≥ 16000 | 42.7 | 52.3 | 54.7 | 56.3 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| ≥ 14000 | 43.2 | 52.8 | 55.2 | 56.8 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| ≥ 12000 | 43.9 | 53.7 | 56.2 | 57.8 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| ≥ 10000 | 46.7 | 57.7 | 60.6 | 62.3 | 62.9 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| ≥ 9000 | 46.9 | 58.0 | 61.0 | 62.7 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| ≥ 8000 | 47.2 | 58.8 | 61.7 | 63.6 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| ≥ 7000 | 47.8 | 59.1 | 62.1 | 63.9 | 64.5 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| ≥ 6000 | 48.2 | 61.2 | 64.5 | 66.5 | 67.1 | 67.2 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| ≥ 5000 | 51.3 | 67.1 | 70.9 | 73.3 | 74.1 | 74.2 | 74.5 | 74.6 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| ≥ 4500 | 51.7 | 68.0 | 71.8 | 74.1 | 75.0 | 75.1 | 75.3 | 75.5 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| ≥ 4000 | 53.1 | 70.8 | 74.8 | 77.4 | 78.5 | 78.8 | 79.0 | 79.1 | 79.1 | 79.3 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 |
| ≥ 3500 | 53.5 | 72.0 | 76.4 | 79.0 | 80.7 | 81.0 | 81.2 | 81.3 | 81.3 | 81.5 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 |
| ≥ 3000 | 54.0 | 73.5 | 77.9 | 80.7 | 82.5 | 82.7 | 82.9 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 |
| ≥ 2500 | 54.4 | 74.4 | 78.9 | 82.1 | 83.9 | 84.2 | 84.4 | 84.5 | 84.5 | 84.7 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 |
| ≥ 2000 | 54.6 | 75.3 | 79.9 | 83.3 | 85.2 | 85.4 | 85.6 | 85.8 | 85.8 | 85.9 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 |
| ≥ 1800 | 54.7 | 75.5 | 80.0 | 83.4 | 85.3 | 85.5 | 85.8 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 |
| ≥ 1500 | 54.7 | 76.4 | 81.2 | 84.8 | 86.9 | 87.1 | 87.4 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 1200 | 54.8 | 76.6 | 81.5 | 85.3 | 87.5 | 87.7 | 88.0 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 1000 | 54.8 | 76.6 | 81.6 | 85.5 | 88.1 | 88.3 | 88.7 | 88.8 | 88.8 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.2 | 89.2 |
| ≥ 900 | 54.8 | 76.6 | 82.0 | 86.4 | 88.8 | 89.2 | 89.6 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 90.1 | 90.1 |
| ≥ 800 | 54.8 | 76.8 | 82.5 | 87.1 | 90.7 | 91.2 | 91.7 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 | 92.1 | 92.1 |
| ≥ 700 | 54.8 | 76.8 | 82.6 | 87.9 | 90.8 | 91.5 | 92.1 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.6 | 92.6 |
| ≥ 600 | 55.0 | 77.1 | 82.8 | 88.4 | 91.8 | 92.5 | 93.3 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.9 | 93.9 |
| ≥ 500 | 55.0 | 77.2 | 82.9 | 89.0 | 93.0 | 94.0 | 94.7 | 95.1 | 95.1 | 95.3 | 95.5 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 |
| ≥ 400 | 55.0 | 77.5 | 83.3 | 89.3 | 93.9 | 94.8 | 95.7 | 96.2 | 96.2 | 96.6 | 96.9 | 96.9 | 97.1 | 97.1 | 97.2 | 97.2 |
| ≥ 300 | 55.0 | 77.5 | 83.3 | 89.3 | 93.9 | 94.8 | 95.7 | 96.3 | 96.3 | 96.9 | 97.3 | 97.3 | 97.4 | 97.4 | 97.5 | 97.5 |
| ≥ 200 | 55.0 | 77.5 | 83.3 | 89.3 | 93.9 | 94.8 | 96.0 | 96.7 | 96.7 | 97.3 | 97.9 | 97.9 | 98.4 | 98.4 | 98.8 | 98.9 |
| ≥ 100 | 55.0 | 77.5 | 83.3 | 89.3 | 93.9 | 94.8 | 96.0 | 96.7 | 96.7 | 97.3 | 97.9 | 97.9 | 98.5 | 98.5 | 98.9 | 99.0 |
| ≥ 0 | 55.0 | 77.5 | 83.3 | 89.3 | 93.9 | 94.8 | 96.0 | 96.7 | 96.7 | 97.3 | 97.9 | 97.9 | 98.5 | 98.5 | 98.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 815

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

2006

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

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

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 25.3 | 41.0 | 42.9 | 43.9 | 44.6 | 44.9 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 |
| ≥ 20000 | 27.3 | 45.8 | 48.0 | 49.3 | 50.2 | 50.5 | 50.7 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.9 |
| ≥ 18000 | 27.4 | 45.8 | 48.0 | 49.3 | 50.2 | 50.5 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.8 | 50.9 | 50.9 | 50.9 | 50.9 |
| ≥ 16000 | 27.4 | 45.9 | 48.1 | 49.4 | 50.3 | 50.6 | 50.8 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 |
| ≥ 14000 | 27.6 | 46.3 | 48.6 | 49.9 | 50.8 | 51.2 | 51.4 | 51.4 | 51.4 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| ≥ 12000 | 28.0 | 47.9 | 50.3 | 51.7 | 52.6 | 52.9 | 53.2 | 53.2 | 53.2 | 53.2 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| ≥ 10000 | 29.8 | 51.1 | 53.7 | 55.1 | 56.3 | 56.7 | 57.0 | 57.0 | 57.0 | 57.0 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| ≥ 9000 | 30.0 | 51.5 | 54.2 | 55.6 | 56.9 | 57.3 | 57.5 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.7 |
| ≥ 8000 | 30.4 | 52.9 | 55.6 | 57.2 | 58.4 | 58.9 | 59.1 | 59.2 | 59.2 | 59.2 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 | 59.3 |
| ≥ 7000 | 30.8 | 53.9 | 56.7 | 58.4 | 59.7 | 60.2 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.7 | 60.7 | 60.7 | 60.7 |
| ≥ 6000 | 31.6 | 55.4 | 58.4 | 60.1 | 61.5 | 62.0 | 62.3 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| ≥ 5000 | 33.1 | 58.8 | 62.1 | 64.1 | 65.7 | 66.2 | 66.6 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.9 | 66.9 | 66.9 | 66.9 |
| ≥ 4500 | 33.5 | 60.7 | 64.2 | 66.3 | 67.9 | 68.5 | 68.9 | 69.1 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| ≥ 4000 | 34.2 | 62.3 | 66.1 | 68.4 | 70.2 | 70.8 | 71.4 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 |
| ≥ 3500 | 35.0 | 64.3 | 68.5 | 71.1 | 73.0 | 73.6 | 74.2 | 74.4 | 74.4 | 74.4 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| ≥ 3000 | 35.9 | 67.0 | 71.4 | 74.2 | 76.2 | 76.9 | 77.5 | 77.7 | 77.7 | 77.8 | 77.8 | 77.8 | 77.9 | 77.9 | 77.9 | 77.9 |
| ≥ 2500 | 36.6 | 69.4 | 74.0 | 77.1 | 79.3 | 80.1 | 80.7 | 80.9 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 |
| ≥ 2000 | 36.9 | 71.6 | 76.4 | 79.7 | 82.0 | 82.9 | 83.6 | 83.8 | 83.8 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 |
| ≥ 1800 | 36.9 | 72.0 | 76.9 | 80.3 | 82.6 | 83.5 | 84.2 | 84.4 | 84.5 | 84.6 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 |
| ≥ 1500 | 37.0 | 73.4 | 78.5 | 82.2 | 84.7 | 85.6 | 86.4 | 86.7 | 86.7 | 86.8 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 |
| ≥ 1200 | 37.1 | 74.0 | 79.3 | 83.2 | 85.7 | 86.7 | 87.5 | 87.8 | 87.8 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.2 | 88.2 |
| ≥ 1000 | 37.1 | 74.5 | 79.9 | 84.0 | 86.7 | 87.8 | 88.6 | 89.0 | 89.0 | 89.1 | 89.3 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 |
| ≥ 900 | 37.1 | 74.7 | 80.3 | 84.5 | 87.3 | 88.4 | 89.3 | 89.7 | 89.7 | 89.9 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 800 | 37.1 | 75.0 | 80.8 | 85.3 | 88.4 | 89.5 | 90.5 | 91.0 | 91.0 | 91.2 | 91.3 | 91.3 | 91.4 | 91.4 | 91.5 | 91.5 |
| ≥ 700 | 37.2 | 75.3 | 81.1 | 85.7 | 88.8 | 90.0 | 91.1 | 91.6 | 91.6 | 91.8 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 |
| ≥ 600 | 37.2 | 75.5 | 81.4 | 86.1 | 89.4 | 90.8 | 92.2 | 92.7 | 92.9 | 93.1 | 93.2 | 93.2 | 93.3 | 93.3 | 93.4 | 93.4 |
| ≥ 500 | 37.2 | 75.6 | 81.5 | 86.3 | 90.1 | 91.6 | 93.3 | 93.9 | 94.1 | 94.6 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 95.0 |
| ≥ 400 | 37.2 | 75.8 | 81.8 | 86.9 | 90.6 | 92.3 | 94.2 | 95.1 | 95.3 | 96.3 | 96.6 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 |
| ≥ 300 | 37.2 | 75.8 | 81.8 | 86.9 | 90.6 | 92.3 | 94.3 | 95.4 | 95.6 | 96.7 | 97.2 | 97.2 | 97.4 | 97.4 | 97.5 | 97.5 |
| ≥ 200 | 37.2 | 75.8 | 81.8 | 86.9 | 90.6 | 92.4 | 94.4 | 95.6 | 95.8 | 97.1 | 97.8 | 97.9 | 98.3 | 98.3 | 98.6 | 98.7 |
| ≥ 100 | 37.2 | 75.8 | 81.8 | 86.9 | 90.6 | 92.4 | 94.4 | 95.6 | 95.8 | 97.1 | 97.9 | 97.9 | 98.5 | 98.5 | 99.0 | 99.4 |
| ≥ 0 | 37.2 | 75.8 | 81.8 | 86.9 | 90.6 | 92.4 | 94.4 | 95.6 | 95.8 | 97.1 | 97.9 | 97.9 | 98.5 | 98.5 | 99.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 6560

USAF ETAC FORM JUL 60 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

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

0000-0200 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 38.2 | 53.1 | 56.7 | 60.1 | 61.5 | 61.9 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.1 | 62.1 | 62.1 | 62.1 |
| ≥ 20000 | 39.2 | 56.0 | 60.4 | 64.4 | 65.8 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 18000 | 39.2 | 56.0 | 60.4 | 64.4 | 65.8 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 16000 | 39.2 | 56.0 | 60.4 | 64.4 | 65.8 | 66.2 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 |
| ≥ 14000 | 39.5 | 56.4 | 60.9 | 65.3 | 66.7 | 67.0 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 |
| ≥ 12000 | 39.9 | 57.4 | 62.0 | 66.4 | 67.9 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.6 | 68.6 | 68.6 | 68.6 |
| ≥ 10000 | 42.4 | 61.4 | 66.4 | 72.1 | 73.8 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.5 | 74.5 | 74.5 | 74.5 |
| ≥ 9000 | 42.4 | 61.4 | 66.4 | 72.1 | 73.8 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.5 | 74.5 | 74.5 | 74.5 |
| ≥ 8000 | 43.0 | 62.1 | 67.2 | 72.8 | 74.6 | 75.0 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 |
| ≥ 7000 | 43.3 | 62.6 | 67.6 | 73.5 | 75.2 | 75.6 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 |
| ≥ 6000 | 43.8 | 63.9 | 69.1 | 75.3 | 77.2 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.9 | 77.9 | 77.9 | 77.9 |
| ≥ 5000 | 45.3 | 67.5 | 73.3 | 80.1 | 82.5 | 82.9 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.3 | 83.3 | 83.3 | 83.3 |
| ≥ 4500 | 45.4 | 67.7 | 73.5 | 80.3 | 82.6 | 83.0 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 |
| ≥ 4000 | 45.4 | 68.4 | 74.7 | 81.9 | 84.7 | 85.0 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 |
| ≥ 3500 | 45.8 | 69.1 | 75.5 | 82.6 | 85.5 | 85.9 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.4 | 86.4 | 86.4 | 86.4 |
| ≥ 3000 | 45.9 | 70.1 | 76.6 | 84.0 | 87.4 | 87.8 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 2500 | 46.7 | 71.2 | 77.9 | 85.3 | 89.1 | 89.4 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥ 2000 | 47.2 | 72.3 | 79.2 | 86.8 | 90.7 | 91.1 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 1800 | 47.2 | 72.3 | 79.2 | 86.8 | 90.7 | 91.1 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 1500 | 47.5 | 72.8 | 80.0 | 87.8 | 91.7 | 92.1 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 1200 | 47.8 | 73.1 | 80.3 | 88.1 | 91.9 | 92.3 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 1000 | 48.1 | 73.7 | 81.6 | 89.4 | 93.5 | 94.1 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 900 | 48.1 | 73.7 | 81.6 | 89.4 | 93.5 | 94.1 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 800 | 48.3 | 74.6 | 82.9 | 90.8 | 95.2 | 95.8 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 700 | 48.3 | 74.6 | 83.0 | 90.9 | 95.3 | 96.0 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 600 | 48.3 | 74.7 | 83.3 | 91.2 | 95.6 | 96.2 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 500 | 48.4 | 75.2 | 83.9 | 92.5 | 97.1 | 97.7 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 400 | 48.4 | 75.3 | 84.0 | 92.6 | 97.6 | 98.2 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 300 | 48.4 | 75.3 | 84.0 | 92.6 | 97.6 | 98.2 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 200 | 48.4 | 75.3 | 84.0 | 92.6 | 97.6 | 98.2 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 100 | 48.4 | 75.3 | 84.0 | 92.6 | 97.6 | 98.2 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 0 | 48.4 | 75.3 | 84.0 | 92.6 | 97.6 | 98.2 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 795

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

2007

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 25.5 | 45.2 | 48.4 | 52.1 | 54.2 | 54.2 | 55.1 | 55.7 | 55.7 | 56.2 | 56.4 | 56.4 | 56.6 | 56.6 | 56.6 | 56.7 |
| ≥ 20000 | 26.5 | 46.8 | 50.9 | 55.2 | 57.3 | 57.4 | 58.4 | 59.1 | 59.1 | 59.6 | 59.8 | 59.8 | 60.1 | 60.1 | 60.1 | 60.2 |
| ≥ 18000 | 26.7 | 46.9 | 51.1 | 55.3 | 57.4 | 57.6 | 58.6 | 59.2 | 59.2 | 59.7 | 59.9 | 59.9 | 60.2 | 60.2 | 60.2 | 60.3 |
| ≥ 16000 | 26.7 | 46.9 | 51.1 | 55.3 | 57.4 | 57.6 | 58.6 | 59.2 | 59.2 | 59.7 | 59.9 | 59.9 | 60.2 | 60.2 | 60.2 | 60.3 |
| ≥ 14000 | 27.1 | 47.6 | 51.8 | 56.4 | 58.7 | 58.9 | 59.9 | 60.6 | 60.6 | 61.1 | 61.3 | 61.3 | 61.6 | 61.6 | 61.6 | 61.7 |
| ≥ 12000 | 27.4 | 48.4 | 52.8 | 57.7 | 59.9 | 60.2 | 61.2 | 61.8 | 61.8 | 62.3 | 62.6 | 62.6 | 62.8 | 62.8 | 62.8 | 63.0 |
| ≥ 10000 | 29.4 | 52.9 | 57.9 | 63.5 | 66.0 | 66.2 | 67.6 | 68.2 | 68.2 | 68.7 | 69.0 | 69.0 | 69.3 | 69.3 | 69.3 | 69.5 |
| ≥ 9000 | 29.4 | 52.9 | 58.2 | 63.8 | 66.3 | 66.6 | 68.0 | 68.6 | 68.6 | 69.1 | 69.3 | 69.3 | 69.7 | 69.7 | 69.7 | 69.8 |
| ≥ 8000 | 29.4 | 53.6 | 58.8 | 64.7 | 67.3 | 67.6 | 69.0 | 69.6 | 69.6 | 70.1 | 70.3 | 70.3 | 70.7 | 70.7 | 70.7 | 70.8 |
| ≥ 7000 | 29.7 | 53.9 | 59.3 | 65.2 | 67.8 | 68.1 | 69.5 | 70.1 | 70.1 | 70.6 | 70.8 | 70.8 | 71.2 | 71.2 | 71.2 | 71.3 |
| ≥ 6000 | 30.3 | 54.9 | 60.3 | 66.3 | 69.1 | 69.5 | 71.0 | 71.6 | 71.6 | 72.1 | 72.3 | 72.3 | 72.7 | 72.7 | 72.7 | 72.8 |
| ≥ 5000 | 31.8 | 58.7 | 64.5 | 70.7 | 73.8 | 74.5 | 76.2 | 76.8 | 76.8 | 77.3 | 77.6 | 77.6 | 78.0 | 78.0 | 78.0 | 78.1 |
| ≥ 4500 | 32.0 | 59.3 | 65.1 | 71.3 | 74.8 | 75.6 | 77.3 | 78.0 | 78.0 | 78.6 | 78.8 | 78.8 | 79.2 | 79.2 | 79.2 | 79.3 |
| ≥ 4000 | 32.0 | 60.1 | 66.2 | 72.5 | 76.1 | 76.8 | 78.6 | 79.2 | 79.2 | 79.8 | 80.2 | 80.2 | 80.6 | 80.6 | 80.6 | 80.7 |
| ≥ 3500 | 32.5 | 61.2 | 67.5 | 73.8 | 77.7 | 78.5 | 80.4 | 81.0 | 81.0 | 81.6 | 82.1 | 82.1 | 82.5 | 82.5 | 82.5 | 82.6 |
| ≥ 3000 | 32.8 | 62.2 | 69.1 | 75.5 | 80.0 | 80.7 | 82.6 | 83.2 | 83.2 | 83.9 | 84.4 | 84.4 | 84.7 | 84.7 | 84.7 | 84.9 |
| ≥ 2500 | 33.0 | 63.5 | 70.6 | 77.1 | 81.7 | 82.5 | 84.4 | 85.1 | 85.1 | 85.7 | 86.2 | 86.2 | 86.6 | 86.6 | 86.6 | 86.7 |
| ≥ 2000 | 33.0 | 63.8 | 71.2 | 78.0 | 82.7 | 83.5 | 85.5 | 86.2 | 86.2 | 86.9 | 87.4 | 87.4 | 87.7 | 87.7 | 87.7 | 87.9 |
| ≥ 1800 | 33.0 | 64.2 | 71.7 | 78.5 | 83.5 | 84.2 | 86.2 | 87.0 | 87.0 | 87.6 | 88.1 | 88.1 | 88.5 | 88.5 | 88.5 | 88.6 |
| ≥ 1500 | 33.5 | 65.2 | 72.8 | 79.8 | 85.0 | 85.7 | 87.7 | 88.5 | 88.6 | 89.2 | 89.7 | 89.7 | 90.1 | 90.1 | 90.1 | 90.2 |
| ≥ 1200 | 33.5 | 65.8 | 73.5 | 80.7 | 85.9 | 86.6 | 88.7 | 89.5 | 89.6 | 90.2 | 90.7 | 90.7 | 91.1 | 91.1 | 91.1 | 91.2 |
| ≥ 1000 | 33.7 | 66.2 | 74.3 | 81.5 | 87.1 | 87.9 | 90.0 | 90.7 | 90.9 | 91.5 | 92.0 | 92.0 | 92.4 | 92.4 | 92.4 | 92.5 |
| ≥ 900 | 33.8 | 66.5 | 74.6 | 82.2 | 87.5 | 88.2 | 90.4 | 91.1 | 91.2 | 91.9 | 92.4 | 92.4 | 92.7 | 92.7 | 92.7 | 92.9 |
| ≥ 800 | 33.8 | 66.7 | 75.1 | 82.8 | 88.2 | 89.0 | 91.1 | 91.9 | 92.0 | 92.6 | 93.1 | 93.1 | 93.5 | 93.5 | 93.5 | 93.6 |
| ≥ 700 | 33.8 | 66.7 | 75.3 | 83.1 | 88.5 | 89.2 | 91.5 | 92.4 | 92.5 | 93.1 | 93.6 | 93.6 | 94.0 | 94.0 | 94.0 | 94.1 |
| ≥ 600 | 33.8 | 67.0 | 75.8 | 83.9 | 89.4 | 90.2 | 92.5 | 93.5 | 93.6 | 94.2 | 94.7 | 94.7 | 95.1 | 95.1 | 95.1 | 95.2 |
| ≥ 500 | 34.0 | 67.3 | 76.7 | 85.1 | 91.0 | 92.0 | 94.4 | 95.4 | 95.5 | 96.1 | 96.6 | 96.6 | 97.0 | 97.0 | 97.0 | 97.1 |
| ≥ 400 | 34.0 | 67.3 | 76.7 | 85.1 | 91.1 | 92.2 | 94.7 | 95.9 | 96.0 | 96.9 | 97.4 | 97.4 | 97.7 | 97.7 | 97.7 | 97.9 |
| ≥ 300 | 34.0 | 67.3 | 76.7 | 85.1 | 91.2 | 92.4 | 94.9 | 96.1 | 96.2 | 97.2 | 97.7 | 97.7 | 98.1 | 98.1 | 98.1 | 98.2 |
| ≥ 200 | 34.0 | 67.3 | 76.7 | 85.2 | 91.2 | 92.4 | 94.9 | 96.1 | 96.2 | 97.4 | 97.9 | 97.9 | 98.5 | 98.5 | 98.6 | 98.7 |
| ≥ 100 | 34.0 | 67.3 | 76.7 | 85.1 | 91.2 | 92.4 | 94.9 | 96.1 | 96.2 | 97.5 | 98.0 | 98.0 | 98.7 | 98.7 | 99.4 | 99.5 |
| ≥ 0 | 34.0 | 67.3 | 76.7 | 85.1 | 91.2 | 92.4 | 94.9 | 96.1 | 96.2 | 97.5 | 98.0 | 98.0 | 98.7 | 98.7 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 799

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 9.4 | 36.4 | 41.4 | 45.0 | 47.6 | 49.0 | 50.3 | 50.8 | 50.8 | 51.0 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.3 |
| ≥ 20000 | 10.2 | 40.9 | 47.0 | 50.6 | 53.8 | 55.7 | 57.1 | 57.7 | 57.7 | 57.9 | 58.1 | 58.1 | 58.2 | 58.2 | 58.2 | 58.3 |
| ≥ 18000 | 10.3 | 41.1 | 47.1 | 50.8 | 53.9 | 55.8 | 57.2 | 57.8 | 57.8 | 58.1 | 58.2 | 58.2 | 58.3 | 58.3 | 58.3 | 58.4 |
| ≥ 16000 | 10.3 | 41.1 | 47.1 | 50.8 | 53.9 | 55.8 | 57.2 | 57.8 | 57.8 | 58.1 | 58.2 | 58.2 | 58.3 | 58.3 | 58.3 | 58.4 |
| ≥ 14000 | 10.3 | 41.1 | 47.2 | 51.3 | 54.7 | 56.5 | 57.9 | 58.6 | 58.6 | 58.8 | 58.9 | 58.9 | 59.1 | 59.1 | 59.1 | 59.2 |
| ≥ 12000 | 10.6 | 42.4 | 48.9 | 53.7 | 57.2 | 59.2 | 60.6 | 61.2 | 61.2 | 61.5 | 61.6 | 61.6 | 61.7 | 61.7 | 61.7 | 61.8 |
| ≥ 10000 | 10.7 | 44.1 | 50.6 | 55.5 | 59.4 | 61.5 | 63.0 | 63.9 | 63.9 | 64.2 | 64.4 | 64.4 | 64.5 | 64.5 | 64.5 | 64.6 |
| ≥ 9000 | 11.0 | 45.3 | 52.4 | 57.4 | 61.3 | 63.5 | 65.0 | 65.9 | 65.9 | 66.2 | 66.5 | 66.5 | 66.6 | 66.6 | 66.6 | 66.8 |
| ≥ 8000 | 11.0 | 46.6 | 53.7 | 58.7 | 62.7 | 64.9 | 66.4 | 67.3 | 67.3 | 67.6 | 67.9 | 67.9 | 68.0 | 68.0 | 68.0 | 68.1 |
| ≥ 7000 | 11.1 | 47.2 | 54.4 | 59.4 | 63.6 | 65.7 | 67.3 | 68.1 | 68.1 | 68.5 | 68.8 | 68.8 | 68.9 | 68.9 | 68.9 | 69.0 |
| ≥ 6000 | 11.1 | 48.1 | 55.3 | 60.3 | 64.5 | 66.6 | 68.1 | 69.1 | 69.1 | 69.5 | 69.8 | 69.8 | 69.9 | 69.9 | 69.9 | 70.0 |
| ≥ 5000 | 11.2 | 49.6 | 56.8 | 62.0 | 66.1 | 68.6 | 70.4 | 71.5 | 71.5 | 71.9 | 72.2 | 72.2 | 72.3 | 72.3 | 72.3 | 72.4 |
| ≥ 4500 | 11.7 | 51.5 | 59.2 | 64.9 | 69.3 | 72.0 | 74.4 | 76.1 | 76.2 | 76.7 | 77.1 | 77.1 | 77.2 | 77.2 | 77.2 | 77.3 |
| ≥ 4000 | 11.7 | 51.8 | 59.6 | 65.4 | 69.9 | 72.9 | 75.6 | 77.2 | 77.3 | 78.0 | 78.3 | 78.3 | 78.5 | 78.5 | 78.5 | 78.6 |
| ≥ 3500 | 12.1 | 53.3 | 61.2 | 67.0 | 71.7 | 75.1 | 77.8 | 79.6 | 79.8 | 80.6 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.2 |
| ≥ 3000 | 12.1 | 54.5 | 62.8 | 69.0 | 73.8 | 77.3 | 80.2 | 82.0 | 82.2 | 83.1 | 83.5 | 83.5 | 83.6 | 83.6 | 83.6 | 83.8 |
| ≥ 2500 | 12.1 | 54.9 | 63.4 | 69.5 | 74.6 | 78.1 | 81.2 | 83.0 | 83.2 | 84.4 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 85.0 |
| ≥ 2000 | 12.5 | 55.9 | 64.4 | 70.8 | 75.8 | 79.3 | 82.5 | 84.6 | 84.9 | 86.0 | 86.4 | 86.4 | 86.5 | 86.5 | 86.5 | 86.6 |
| ≥ 1800 | 12.7 | 56.3 | 65.1 | 71.5 | 76.6 | 80.1 | 83.2 | 85.4 | 85.6 | 86.8 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.4 |
| ≥ 1500 | 13.0 | 57.6 | 66.4 | 73.2 | 78.3 | 81.9 | 85.3 | 87.5 | 87.8 | 88.9 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.5 |
| ≥ 1200 | 13.0 | 58.1 | 66.9 | 73.8 | 79.0 | 82.5 | 86.1 | 88.4 | 88.7 | 89.9 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.6 |
| ≥ 1000 | 13.0 | 58.8 | 67.6 | 74.6 | 79.7 | 83.2 | 86.9 | 89.3 | 89.5 | 90.9 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.6 |
| ≥ 900 | 13.0 | 59.2 | 68.1 | 75.2 | 80.5 | 84.0 | 87.7 | 90.1 | 90.3 | 91.7 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.3 |
| ≥ 800 | 13.0 | 59.2 | 68.1 | 75.4 | 80.9 | 84.4 | 88.2 | 90.6 | 90.8 | 92.2 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.8 |
| ≥ 700 | 13.0 | 59.3 | 68.3 | 75.8 | 81.5 | 85.0 | 89.3 | 91.7 | 91.9 | 93.3 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 94.0 |
| ≥ 600 | 13.0 | 59.4 | 68.6 | 76.6 | 82.2 | 86.5 | 90.9 | 93.3 | 93.7 | 95.1 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.7 |
| ≥ 500 | 13.0 | 59.7 | 69.0 | 77.3 | 83.2 | 87.5 | 92.2 | 94.8 | 95.2 | 96.6 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.2 |
| ≥ 400 | 13.0 | 59.7 | 69.0 | 77.3 | 83.4 | 87.7 | 92.6 | 95.7 | 96.1 | 97.5 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.1 |
| ≥ 300 | 13.0 | 59.7 | 69.0 | 77.3 | 83.4 | 87.7 | 92.6 | 96.0 | 96.3 | 98.1 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.7 |
| ≥ 200 | 13.0 | 59.7 | 69.0 | 77.3 | 83.5 | 87.8 | 92.7 | 96.1 | 96.5 | 98.2 | 98.6 | 98.6 | 99.1 | 99.1 | 99.1 | 99.2 |
| ≥ 100 | 13.0 | 59.7 | 69.0 | 77.3 | 83.5 | 87.8 | 92.7 | 96.1 | 96.5 | 98.2 | 98.6 | 98.6 | 99.1 | 99.1 | 99.2 | 99.4 |
| ≥ 0 | 13.0 | 59.7 | 69.0 | 77.3 | 83.5 | 87.8 | 92.7 | 96.1 | 96.5 | 98.2 | 98.6 | 98.6 | 99.1 | 99.1 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 794

USAF ETAC FORM AM 66 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2008

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 15.3 | 43.9 | 45.9 | 47.3 | 48.7 | 49.4 | 49.7 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| ≥ 20000 | 17.7 | 51.4 | 54.0 | 56.0 | 58.2 | 59.0 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| ≥ 18000 | 17.7 | 51.4 | 54.0 | 56.0 | 58.2 | 59.0 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| ≥ 16000 | 17.7 | 51.4 | 54.0 | 56.0 | 58.2 | 59.0 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| ≥ 14000 | 17.7 | 51.7 | 54.2 | 56.3 | 58.6 | 59.3 | 59.7 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| ≥ 12000 | 17.7 | 52.8 | 55.6 | 57.8 | 60.9 | 61.9 | 62.2 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 |
| ≥ 10000 | 18.2 | 55.0 | 58.1 | 60.6 | 63.7 | 64.9 | 65.5 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| ≥ 9000 | 18.2 | 55.2 | 58.5 | 61.0 | 64.1 | 65.2 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| ≥ 8000 | 18.7 | 56.5 | 59.8 | 62.5 | 65.6 | 66.8 | 67.4 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| ≥ 7000 | 18.9 | 57.5 | 61.0 | 63.6 | 66.9 | 68.0 | 68.6 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| ≥ 6000 | 19.1 | 57.7 | 61.2 | 63.9 | 67.1 | 68.3 | 68.9 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| ≥ 5000 | 19.3 | 58.8 | 62.4 | 65.2 | 68.9 | 70.0 | 70.9 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| ≥ 4500 | 19.7 | 60.2 | 64.0 | 66.9 | 70.9 | 71.8 | 72.6 | 73.0 | 73.1 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| ≥ 4000 | 19.7 | 60.5 | 64.4 | 67.3 | 70.9 | 72.1 | 73.1 | 73.5 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| ≥ 3500 | 20.1 | 61.7 | 65.6 | 68.6 | 73.0 | 74.3 | 75.4 | 75.9 | 76.0 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| ≥ 3000 | 20.6 | 63.4 | 67.4 | 70.9 | 75.4 | 76.7 | 77.8 | 78.3 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| ≥ 2500 | 21.2 | 65.6 | 69.6 | 73.1 | 77.8 | 79.0 | 80.3 | 80.8 | 80.9 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| ≥ 2000 | 22.1 | 69.1 | 73.1 | 76.7 | 81.7 | 82.9 | 84.2 | 84.7 | 84.8 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| ≥ 1800 | 22.1 | 69.6 | 73.8 | 77.3 | 82.3 | 83.6 | 84.9 | 85.4 | 85.6 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| ≥ 1500 | 22.3 | 71.6 | 76.4 | 80.1 | 85.4 | 86.8 | 88.5 | 89.0 | 89.1 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 1200 | 22.6 | 73.5 | 78.3 | 82.1 | 88.0 | 89.5 | 91.1 | 91.6 | 91.7 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 1000 | 22.6 | 74.6 | 80.1 | 84.1 | 90.5 | 92.1 | 93.7 | 94.4 | 94.5 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 900 | 22.6 | 75.2 | 80.4 | 84.6 | 91.0 | 92.6 | 94.2 | 94.9 | 95.0 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 800 | 22.6 | 75.3 | 80.6 | 84.9 | 91.4 | 93.5 | 95.1 | 95.7 | 95.9 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 700 | 22.6 | 75.3 | 80.7 | 85.1 | 92.0 | 93.9 | 95.6 | 96.2 | 96.4 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 600 | 22.6 | 75.4 | 80.9 | 85.9 | 92.6 | 94.5 | 96.5 | 97.2 | 97.5 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 500 | 22.6 | 75.4 | 80.9 | 86.2 | 92.8 | 94.7 | 96.7 | 97.6 | 97.9 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 400 | 22.6 | 75.4 | 80.9 | 86.2 | 93.0 | 95.0 | 97.0 | 98.1 | 98.4 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 300 | 22.6 | 75.4 | 80.9 | 86.2 | 93.0 | 95.0 | 97.0 | 98.1 | 98.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 200 | 22.6 | 75.4 | 80.9 | 86.2 | 93.0 | 95.0 | 97.0 | 98.1 | 98.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 22.6 | 75.4 | 80.9 | 86.2 | 93.0 | 95.0 | 97.0 | 98.1 | 98.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 22.6 | 75.4 | 80.9 | 86.2 | 93.0 | 95.0 | 97.0 | 98.1 | 98.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOUR (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 19.3 | 38.1 | 39.9 | 40.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| ≥ 20000 | 21.9 | 46.5 | 49.2 | 50.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| ≥ 18000 | 21.9 | 46.5 | 49.2 | 50.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| ≥ 16000 | 21.9 | 46.5 | 49.2 | 50.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 |
| ≥ 14000 | 21.9 | 46.6 | 49.4 | 50.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 | 51.5 |
| ≥ 12000 | 22.1 | 48.1 | 51.1 | 52.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 | 53.5 |
| ≥ 10000 | 22.7 | 50.9 | 54.3 | 55.8 | 56.8 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 |
| ≥ 9000 | 22.9 | 51.4 | 54.8 | 56.5 | 57.5 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| ≥ 8000 | 23.6 | 52.6 | 56.0 | 58.2 | 59.3 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| ≥ 7000 | 23.6 | 53.3 | 56.7 | 58.8 | 59.9 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| ≥ 6000 | 23.6 | 53.5 | 57.2 | 59.3 | 60.4 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| ≥ 5000 | 23.9 | 55.3 | 58.9 | 61.3 | 62.7 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| ≥ 4500 | 24.4 | 57.0 | 61.1 | 63.6 | 65.1 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 | 65.5 |
| ≥ 4000 | 24.7 | 57.5 | 61.6 | 64.3 | 65.8 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| ≥ 3500 | 26.9 | 61.2 | 65.6 | 68.6 | 70.2 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| ≥ 3000 | 29.0 | 68.2 | 72.9 | 76.1 | 78.1 | 78.9 | 79.0 | 79.1 | 79.1 | 79.1 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| ≥ 2500 | 30.3 | 72.1 | 77.5 | 81.1 | 83.3 | 84.0 | 84.2 | 84.3 | 84.3 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| ≥ 2000 | 30.4 | 75.6 | 81.5 | 86.3 | 88.4 | 89.3 | 89.6 | 89.8 | 89.8 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 1800 | 30.4 | 76.1 | 82.0 | 86.9 | 89.1 | 89.9 | 90.5 | 90.7 | 90.7 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 1500 | 30.7 | 78.6 | 85.2 | 90.1 | 93.0 | 93.8 | 94.5 | 94.7 | 94.7 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 1200 | 30.8 | 79.4 | 86.2 | 91.7 | 94.8 | 95.5 | 96.2 | 96.5 | 96.5 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 1000 | 30.8 | 79.6 | 86.9 | 92.5 | 95.5 | 96.4 | 97.2 | 97.5 | 97.5 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 900 | 30.8 | 79.6 | 86.9 | 92.5 | 95.5 | 96.4 | 97.2 | 97.5 | 97.5 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 800 | 30.8 | 79.8 | 87.1 | 92.6 | 95.7 | 96.6 | 97.5 | 97.7 | 97.7 | 98.2 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 700 | 30.8 | 79.8 | 87.1 | 92.6 | 95.7 | 96.9 | 97.7 | 98.0 | 98.0 | 98.5 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 600 | 30.8 | 79.8 | 87.2 | 92.8 | 96.0 | 97.1 | 98.0 | 98.2 | 98.2 | 98.9 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 500 | 30.8 | 79.8 | 87.3 | 93.0 | 96.1 | 97.2 | 98.1 | 98.4 | 98.6 | 99.2 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 400 | 30.8 | 79.8 | 87.3 | 93.0 | 96.1 | 97.2 | 98.1 | 98.4 | 98.6 | 99.2 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 300 | 30.8 | 79.8 | 87.3 | 93.0 | 96.1 | 97.2 | 98.2 | 98.9 | 98.9 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 30.8 | 79.8 | 87.3 | 93.0 | 96.1 | 97.2 | 98.2 | 98.9 | 98.9 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 30.8 | 79.8 | 87.3 | 93.0 | 96.1 | 97.2 | 98.2 | 98.9 | 98.9 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 30.8 | 79.8 | 87.3 | 93.0 | 96.1 | 97.2 | 98.2 | 98.9 | 98.9 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 796

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

2009

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 20.6 | 40.7 | 42.1 | 42.2 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 20000 | 23.5 | 49.9 | 52.3 | 53.0 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| ≥ 18000 | 23.5 | 49.9 | 52.3 | 53.0 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| ≥ 16000 | 23.5 | 49.9 | 52.3 | 53.0 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| ≥ 14000 | 23.5 | 49.9 | 52.5 | 53.1 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| ≥ 12000 | 24.7 | 52.5 | 55.1 | 55.7 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| ≥ 10000 | 25.2 | 54.9 | 57.8 | 58.4 | 60.0 | 60.0 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 |
| ≥ 9000 | 25.2 | 55.1 | 58.0 | 58.6 | 60.3 | 60.3 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| ≥ 8000 | 25.6 | 55.7 | 58.9 | 59.6 | 61.3 | 61.3 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 |
| ≥ 7000 | 25.6 | 56.2 | 59.5 | 60.3 | 61.9 | 61.9 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| ≥ 6000 | 25.7 | 56.5 | 60.0 | 60.8 | 62.4 | 62.7 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 5000 | 26.7 | 60.2 | 63.7 | 64.6 | 66.3 | 66.6 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 |
| ≥ 4500 | 27.9 | 62.8 | 66.3 | 67.6 | 69.5 | 69.7 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| ≥ 4000 | 28.4 | 64.4 | 68.1 | 69.9 | 71.8 | 72.0 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| ≥ 3500 | 30.5 | 69.1 | 73.0 | 75.2 | 77.0 | 77.3 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| ≥ 3000 | 31.8 | 73.9 | 78.4 | 81.1 | 83.7 | 84.0 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| ≥ 2500 | 32.4 | 77.8 | 83.0 | 86.0 | 88.8 | 89.0 | 89.4 | 89.5 | 89.5 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 2000 | 32.4 | 80.2 | 86.3 | 90.4 | 93.2 | 93.6 | 93.9 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 1800 | 32.4 | 80.2 | 86.5 | 90.8 | 93.7 | 94.1 | 94.5 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 1500 | 32.4 | 80.8 | 87.3 | 91.9 | 94.8 | 95.2 | 95.6 | 95.8 | 95.8 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 1200 | 32.4 | 81.5 | 88.0 | 92.8 | 95.7 | 96.1 | 96.5 | 96.7 | 96.7 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 1000 | 32.4 | 81.6 | 88.3 | 93.1 | 96.5 | 97.0 | 97.5 | 97.7 | 97.7 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 900 | 32.4 | 81.6 | 88.3 | 93.1 | 96.5 | 97.1 | 97.6 | 97.9 | 97.9 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 800 | 32.4 | 81.6 | 88.3 | 93.3 | 96.7 | 97.4 | 97.9 | 98.2 | 98.2 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 700 | 32.4 | 81.7 | 88.4 | 93.6 | 97.2 | 97.9 | 98.5 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 600 | 32.4 | 81.7 | 88.4 | 93.6 | 97.2 | 97.9 | 98.6 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 500 | 32.4 | 81.8 | 88.5 | 93.8 | 97.5 | 98.1 | 98.9 | 99.2 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 400 | 32.4 | 81.8 | 88.7 | 93.9 | 97.6 | 98.2 | 99.1 | 99.5 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 32.4 | 81.8 | 88.7 | 93.9 | 97.6 | 98.2 | 99.1 | 99.5 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 32.4 | 81.8 | 88.7 | 93.9 | 97.6 | 98.2 | 99.1 | 99.5 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 32.4 | 81.8 | 88.7 | 93.9 | 97.6 | 98.2 | 99.1 | 99.5 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 32.4 | 81.8 | 88.7 | 93.9 | 97.6 | 98.2 | 99.1 | 99.5 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 793

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 27.9 | 42.6 | 45.3 | 46.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| ≥ 20000 | 32.2 | 51.1 | 55.2 | 58.2 | 59.5 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| ≥ 18000 | 32.2 | 51.1 | 55.2 | 58.2 | 59.5 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| ≥ 16000 | 32.2 | 51.1 | 55.2 | 58.2 | 59.5 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 | 59.9 |
| ≥ 14000 | 32.9 | 51.7 | 56.0 | 59.0 | 60.6 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| ≥ 12000 | 34.1 | 53.2 | 57.6 | 60.8 | 62.3 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| ≥ 10000 | 37.0 | 57.5 | 62.6 | 66.0 | 68.0 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| ≥ 9000 | 37.0 | 58.2 | 63.2 | 66.6 | 68.6 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| ≥ 8000 | 37.4 | 59.8 | 65.2 | 68.8 | 70.8 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| ≥ 7000 | 37.5 | 60.2 | 65.6 | 69.3 | 71.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| ≥ 6000 | 38.3 | 61.6 | 67.4 | 71.2 | 73.5 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| ≥ 5000 | 39.2 | 65.2 | 71.3 | 75.3 | 78.3 | 78.6 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| ≥ 4500 | 40.3 | 67.1 | 73.9 | 77.5 | 80.5 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| ≥ 4000 | 41.1 | 69.9 | 76.5 | 81.5 | 85.1 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| ≥ 3500 | 41.6 | 70.9 | 78.3 | 83.3 | 87.0 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 3000 | 41.8 | 73.2 | 80.7 | 86.1 | 90.3 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 2500 | 42.0 | 74.0 | 81.5 | 87.4 | 91.7 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 2000 | 42.2 | 74.8 | 82.7 | 88.5 | 92.8 | 93.3 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 1800 | 42.2 | 75.0 | 82.8 | 88.7 | 93.2 | 93.7 | 93.9 | 93.9 | 93.9 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 1500 | 42.4 | 75.5 | 83.6 | 89.8 | 94.6 | 95.2 | 95.4 | 95.4 | 95.4 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 1200 | 42.4 | 75.6 | 83.9 | 90.1 | 95.1 | 96.0 | 96.3 | 96.3 | 96.3 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 1000 | 42.4 | 75.9 | 84.5 | 90.9 | 95.8 | 96.7 | 97.1 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 900 | 42.4 | 75.9 | 84.6 | 91.0 | 96.0 | 96.8 | 97.2 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 800 | 42.4 | 75.9 | 84.6 | 91.1 | 96.2 | 97.1 | 97.5 | 97.6 | 97.6 | 97.9 | 97.9 | 97.9 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 700 | 42.4 | 76.0 | 85.0 | 91.5 | 96.5 | 97.5 | 98.1 | 98.2 | 98.2 | 98.5 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 600 | 42.4 | 76.0 | 85.1 | 91.7 | 96.7 | 97.9 | 98.5 | 98.7 | 98.7 | 99.0 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 500 | 42.4 | 76.0 | 85.2 | 91.8 | 97.0 | 98.2 | 99.0 | 99.2 | 99.2 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 42.4 | 76.0 | 85.2 | 91.8 | 97.1 | 98.4 | 99.1 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 42.4 | 76.0 | 85.2 | 91.8 | 97.1 | 98.4 | 99.1 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 42.4 | 76.0 | 85.2 | 91.8 | 97.1 | 98.4 | 99.1 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 42.4 | 76.0 | 85.2 | 91.8 | 97.1 | 98.4 | 99.1 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 42.4 | 76.0 | 85.2 | 91.8 | 97.2 | 98.4 | 99.1 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 791

USAF ETAC FORM 0-14-8 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2010

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72?246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 33.4 | 47.7 | 52.1 | 56.5 | 57.5 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| ≥ 20000 | 35.8 | 53.6 | 58.8 | 64.7 | 66.0 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| ≥ 18000 | 35.8 | 53.6 | 58.8 | 64.7 | 66.0 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| ≥ 16000 | 35.8 | 53.8 | 58.9 | 64.8 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| ≥ 14000 | 35.9 | 53.9 | 59.0 | 65.2 | 66.5 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| ≥ 12000 | 36.9 | 55.0 | 60.6 | 66.8 | 68.1 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 |
| ≥ 10000 | 39.7 | 59.0 | 65.7 | 72.4 | 73.9 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| ≥ 9000 | 39.8 | 59.2 | 65.8 | 72.5 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| ≥ 8000 | 40.7 | 60.4 | 67.2 | 73.9 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| ≥ 7000 | 41.1 | 61.3 | 68.1 | 74.9 | 76.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| ≥ 6000 | 42.0 | 63.1 | 70.7 | 77.8 | 79.4 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| ≥ 5000 | 43.3 | 67.1 | 76.0 | 83.7 | 85.7 | 85.8 | 85.9 | 85.9 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| ≥ 4500 | 43.6 | 68.0 | 76.9 | 84.5 | 86.6 | 86.7 | 86.8 | 86.8 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| ≥ 4000 | 44.1 | 68.7 | 78.0 | 86.1 | 88.3 | 88.6 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| ≥ 3500 | 44.1 | 69.2 | 78.9 | 87.1 | 89.6 | 89.8 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| ≥ 3000 | 44.1 | 69.7 | 79.5 | 87.8 | 90.3 | 90.6 | 90.8 | 90.8 | 90.8 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 2500 | 44.2 | 70.6 | 80.5 | 89.2 | 91.7 | 92.0 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 2000 | 45.1 | 71.7 | 81.7 | 90.3 | 92.8 | 93.1 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 1800 | 45.1 | 71.9 | 81.8 | 90.6 | 93.1 | 93.3 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 1500 | 45.6 | 72.4 | 82.3 | 91.1 | 93.6 | 93.8 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 1200 | 45.7 | 72.7 | 82.7 | 91.7 | 94.2 | 94.5 | 94.8 | 94.8 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 1000 | 45.7 | 72.7 | 83.2 | 92.2 | 94.7 | 95.0 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 900 | 45.7 | 72.7 | 83.2 | 92.2 | 94.7 | 95.0 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 800 | 45.7 | 73.0 | 83.8 | 93.0 | 95.7 | 96.0 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 700 | 45.7 | 73.1 | 84.2 | 93.5 | 96.2 | 96.5 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 600 | 45.7 | 73.2 | 84.4 | 94.1 | 96.9 | 97.1 | 97.7 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 500 | 45.9 | 73.6 | 84.9 | 95.0 | 97.9 | 98.1 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 400 | 45.9 | 73.6 | 85.2 | 95.2 | 98.1 | 98.4 | 99.1 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 300 | 45.9 | 73.6 | 85.2 | 95.4 | 98.2 | 98.5 | 99.2 | 99.5 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 45.9 | 73.6 | 85.2 | 95.4 | 98.2 | 98.5 | 99.2 | 99.5 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 45.9 | 73.6 | 85.2 | 95.4 | 98.2 | 98.5 | 99.2 | 99.5 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 45.9 | 73.6 | 85.2 | 95.4 | 98.2 | 98.5 | 99.2 | 99.5 | 99.5 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 796

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

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

ALL (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 23.7 | 43.5 | 46.5 | 48.8 | 50.2 | 50.5 | 50.9 | 51.3 | 51.3 | 51.1 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| ≥ 20000 | 25.9 | 49.5 | 53.5 | 56.5 | 58.3 | 58.8 | 59.1 | 59.3 | 59.3 | 59.4 | 59.4 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 |
| ≥ 18000 | 25.9 | 49.6 | 53.5 | 56.6 | 58.3 | 58.8 | 59.2 | 59.3 | 59.3 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6 |
| ≥ 16000 | 25.9 | 49.6 | 53.5 | 56.6 | 58.4 | 58.8 | 59.2 | 59.3 | 59.3 | 59.4 | 59.5 | 59.5 | 59.6 | 59.6 | 59.6 | 59.6 |
| ≥ 14000 | 26.1 | 49.9 | 53.9 | 57.1 | 59.0 | 59.5 | 59.8 | 60.0 | 60.0 | 60.1 | 60.1 | 60.1 | 60.2 | 60.2 | 60.2 | 60.2 |
| ≥ 12000 | 26.7 | 51.2 | 55.5 | 58.9 | 60.9 | 61.4 | 61.8 | 62.0 | 62.0 | 62.0 | 62.1 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 |
| ≥ 10000 | 28.2 | 54.5 | 59.2 | 63.0 | 65.2 | 65.8 | 66.2 | 66.5 | 66.5 | 66.6 | 66.6 | 66.6 | 66.7 | 66.7 | 66.7 | 66.7 |
| ≥ 9000 | 28.2 | 54.8 | 59.7 | 63.6 | 65.8 | 66.3 | 66.8 | 67.0 | 67.0 | 67.1 | 67.2 | 67.2 | 67.3 | 67.3 | 67.3 | 67.3 |
| ≥ 8000 | 28.7 | 55.9 | 60.9 | 64.9 | 67.1 | 67.7 | 68.2 | 68.4 | 68.4 | 68.5 | 68.6 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 |
| ≥ 7000 | 28.8 | 56.5 | 61.5 | 65.6 | 67.9 | 68.5 | 69.0 | 69.2 | 69.2 | 69.3 | 69.3 | 69.3 | 69.4 | 69.4 | 69.4 | 69.5 |
| ≥ 6000 | 29.2 | 57.4 | 62.6 | 66.9 | 69.2 | 69.8 | 70.3 | 70.6 | 70.6 | 70.7 | 70.7 | 70.7 | 70.8 | 70.8 | 70.9 | 70.9 |
| ≥ 5000 | 30.1 | 60.3 | 65.9 | 70.4 | 73.0 | 73.8 | 74.4 | 74.7 | 74.7 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 75.1 |
| ≥ 4500 | 30.6 | 61.7 | 67.4 | 72.1 | 74.9 | 75.6 | 76.4 | 76.7 | 76.7 | 76.9 | 77.0 | 77.0 | 77.1 | 77.1 | 77.1 | 77.1 |
| ≥ 4000 | 30.9 | 62.6 | 68.6 | 73.6 | 76.6 | 77.4 | 78.2 | 78.5 | 78.6 | 78.7 | 78.8 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 |
| ≥ 3500 | 31.7 | 64.5 | 70.7 | 75.8 | 79.0 | 79.9 | 80.8 | 81.1 | 81.2 | 81.4 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 |
| ≥ 3000 | 32.3 | 66.9 | 73.4 | 78.8 | 82.4 | 83.3 | 84.2 | 84.6 | 84.6 | 84.9 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 |
| ≥ 2500 | 32.7 | 68.7 | 75.5 | 81.1 | 84.8 | 85.8 | 86.7 | 87.1 | 87.2 | 87.5 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 2000 | 33.1 | 70.4 | 77.5 | 83.5 | 87.3 | 88.3 | 89.3 | 89.7 | 89.8 | 90.2 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 1800 | 33.1 | 70.7 | 77.9 | 83.9 | 87.8 | 88.7 | 89.8 | 90.3 | 90.3 | 90.7 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 91.0 |
| ≥ 1500 | 33.4 | 71.8 | 79.2 | 85.5 | 89.5 | 90.6 | 91.7 | 92.2 | 92.3 | 92.7 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 93.0 |
| ≥ 1200 | 33.5 | 72.5 | 80.0 | 86.4 | 90.5 | 91.6 | 92.8 | 93.4 | 93.4 | 93.8 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 1000 | 33.6 | 72.9 | 80.8 | 87.3 | 91.7 | 92.8 | 94.1 | 94.6 | 94.7 | 95.1 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 900 | 33.6 | 73.0 | 81.0 | 87.5 | 91.9 | 93.0 | 94.3 | 94.8 | 94.9 | 95.3 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 800 | 33.6 | 73.2 | 81.3 | 88.0 | 92.5 | 93.7 | 95.1 | 95.6 | 95.7 | 96.2 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 700 | 33.6 | 73.3 | 81.5 | 88.3 | 92.9 | 94.1 | 95.6 | 96.1 | 96.2 | 96.7 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 600 | 33.6 | 73.4 | 81.7 | 88.7 | 93.3 | 94.7 | 96.2 | 96.8 | 96.9 | 97.4 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.8 |
| ≥ 500 | 33.7 | 73.6 | 82.1 | 89.3 | 94.1 | 95.5 | 97.1 | 97.8 | 97.9 | 98.4 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 400 | 33.7 | 73.6 | 82.1 | 89.4 | 94.2 | 95.7 | 97.3 | 98.2 | 98.3 | 98.9 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 300 | 33.7 | 73.6 | 82.1 | 89.4 | 94.3 | 95.7 | 97.4 | 98.3 | 98.4 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 |
| ≥ 200 | 33.7 | 73.6 | 82.1 | 89.4 | 94.3 | 95.7 | 97.4 | 98.3 | 98.4 | 99.2 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 100 | 33.7 | 73.6 | 82.1 | 89.4 | 94.3 | 95.7 | 97.4 | 98.3 | 98.4 | 99.2 | 99.4 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 0 | 33.7 | 73.6 | 82.1 | 89.4 | 94.3 | 95.7 | 97.4 | 98.3 | 98.4 | 99.2 | 99.4 | 99.4 | 99.7 | 99.7 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 6361

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

2011

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 34.8 | 52.9 | 58.7 | 60.7 | 63.2 | 64.6 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 65.0 | 65.0 | 65.0 | 65.0 |
| ≥ 20000 | 35.8 | 55.1 | 61.4 | 64.0 | 67.3 | 68.6 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 |
| ≥ 18000 | 35.8 | 55.1 | 61.4 | 64.0 | 67.3 | 68.6 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 |
| ≥ 16000 | 35.8 | 55.1 | 61.4 | 64.0 | 67.3 | 68.6 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 |
| ≥ 14000 | 36.4 | 56.0 | 62.5 | 65.4 | 69.4 | 70.7 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 71.1 | 71.1 | 71.1 | 71.1 |
| ≥ 12000 | 36.5 | 56.4 | 63.1 | 66.1 | 70.0 | 71.3 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 |
| ≥ 10000 | 38.7 | 61.3 | 68.5 | 72.0 | 76.3 | 77.7 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 |
| ≥ 9000 | 38.7 | 61.3 | 68.5 | 72.0 | 76.3 | 77.7 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 |
| ≥ 8000 | 38.8 | 62.5 | 69.8 | 73.4 | 77.9 | 79.2 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.9 | 79.9 | 79.9 | 79.9 |
| ≥ 7000 | 39.4 | 63.7 | 71.1 | 74.6 | 79.1 | 80.5 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 |
| ≥ 6000 | 40.2 | 64.8 | 72.5 | 76.2 | 81.0 | 82.3 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 |
| ≥ 5000 | 42.1 | 68.1 | 76.1 | 80.3 | 85.5 | 86.8 | 87.4 | 87.4 | 87.4 | 87.5 | 87.5 | 87.5 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 4500 | 42.1 | 68.1 | 76.2 | 80.5 | 85.6 | 86.9 | 87.5 | 87.5 | 87.5 | 87.7 | 87.8 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 |
| ≥ 4000 | 42.1 | 68.5 | 76.7 | 81.2 | 86.7 | 88.2 | 88.8 | 88.9 | 88.9 | 89.0 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 3500 | 42.2 | 68.6 | 76.8 | 81.6 | 87.1 | 88.5 | 89.1 | 89.3 | 89.3 | 89.4 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 3000 | 42.5 | 69.0 | 77.4 | 82.2 | 87.7 | 89.1 | 89.7 | 89.9 | 89.9 | 90.0 | 90.2 | 90.2 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 2500 | 42.6 | 69.7 | 78.3 | 83.2 | 89.0 | 90.5 | 91.1 | 91.2 | 91.2 | 91.3 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 2000 | 43.7 | 71.3 | 80.2 | 85.2 | 91.5 | 92.9 | 93.5 | 93.7 | 93.7 | 93.8 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 1800 | 43.7 | 71.3 | 80.2 | 85.2 | 91.5 | 92.9 | 93.5 | 93.7 | 93.7 | 93.8 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 1500 | 43.7 | 71.3 | 80.3 | 85.5 | 91.8 | 93.3 | 93.9 | 94.0 | 94.0 | 94.1 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 1200 | 43.7 | 71.6 | 80.6 | 85.7 | 92.1 | 93.5 | 94.1 | 94.3 | 94.3 | 94.4 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 1000 | 43.8 | 71.9 | 81.1 | 86.2 | 92.7 | 94.1 | 94.7 | 94.9 | 94.9 | 95.1 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 900 | 43.8 | 72.2 | 81.3 | 86.4 | 92.9 | 94.4 | 95.0 | 95.1 | 95.1 | 95.4 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 800 | 43.8 | 72.3 | 81.7 | 87.2 | 93.7 | 95.1 | 95.7 | 96.0 | 96.0 | 96.3 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 700 | 44.0 | 72.5 | 81.9 | 87.5 | 94.1 | 95.6 | 96.2 | 96.5 | 96.5 | 96.8 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 600 | 44.0 | 72.6 | 82.1 | 87.9 | 94.6 | 96.1 | 96.7 | 96.9 | 96.9 | 97.3 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 500 | 44.0 | 72.6 | 82.1 | 87.9 | 95.0 | 96.5 | 97.1 | 97.3 | 97.3 | 97.7 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 400 | 44.0 | 72.6 | 82.1 | 87.9 | 95.0 | 96.5 | 97.2 | 98.2 | 98.2 | 98.8 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 300 | 44.0 | 72.6 | 82.1 | 87.9 | 95.0 | 96.5 | 97.2 | 98.2 | 98.2 | 98.8 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 200 | 44.0 | 72.6 | 82.1 | 87.9 | 95.0 | 96.5 | 97.3 | 98.3 | 98.3 | 98.9 | 99.1 | 99.1 | 99.3 | 99.4 | 99.4 | 99.4 |
| ≥ 100 | 44.0 | 72.6 | 82.1 | 87.9 | 95.0 | 96.5 | 97.3 | 98.3 | 98.3 | 98.9 | 99.1 | 99.1 | 99.3 | 99.5 | 99.8 | 99.9 |
| ≥ 0 | 44.0 | 72.6 | 82.1 | 87.9 | 95.0 | 96.5 | 97.3 | 98.3 | 98.3 | 98.9 | 99.1 | 99.1 | 99.3 | 99.5 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 819

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 23.1 | 43.6 | 49.1 | 52.7 | 55.6 | 57.6 | 59.2 | 59.5 | 59.8 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.8 | 60.8 |
| ≥ 20000 | 24.1 | 46.7 | 52.3 | 56.5 | 59.9 | 62.0 | 63.7 | 64.2 | 64.4 | 65.3 | 65.4 | 65.4 | 65.4 | 65.4 | 65.5 | 65.5 |
| ≥ 18000 | 24.1 | 46.7 | 52.3 | 56.5 | 59.9 | 62.0 | 63.7 | 64.2 | 64.4 | 65.3 | 65.4 | 65.4 | 65.4 | 65.4 | 65.5 | 65.5 |
| ≥ 16000 | 24.1 | 46.7 | 52.3 | 56.5 | 59.9 | 62.0 | 63.7 | 64.2 | 64.4 | 65.3 | 65.4 | 65.4 | 65.4 | 65.4 | 65.5 | 65.5 |
| ≥ 14000 | 24.4 | 47.2 | 52.9 | 57.3 | 61.1 | 63.2 | 65.0 | 65.5 | 65.8 | 66.6 | 66.7 | 66.7 | 66.7 | 66.7 | 66.9 | 66.9 |
| ≥ 12000 | 24.8 | 47.9 | 53.8 | 58.2 | 62.1 | 64.2 | 66.0 | 66.5 | 66.7 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 | 67.8 | 67.8 |
| ≥ 10000 | 26.7 | 52.1 | 58.2 | 63.0 | 67.2 | 69.6 | 71.5 | 72.0 | 72.2 | 73.5 | 73.7 | 73.7 | 73.7 | 73.7 | 73.8 | 73.8 |
| ≥ 9000 | 26.7 | 52.2 | 58.3 | 63.1 | 67.5 | 69.8 | 71.8 | 72.2 | 72.5 | 73.7 | 74.0 | 74.0 | 74.0 | 74.0 | 74.1 | 74.1 |
| ≥ 8000 | 26.7 | 52.6 | 58.7 | 63.4 | 68.0 | 70.4 | 72.9 | 73.3 | 73.6 | 74.8 | 75.1 | 75.1 | 75.1 | 75.1 | 75.2 | 75.2 |
| ≥ 7000 | 26.8 | 52.9 | 59.0 | 63.8 | 68.3 | 71.0 | 73.6 | 74.1 | 74.3 | 75.6 | 75.8 | 75.8 | 75.8 | 75.8 | 75.9 | 75.9 |
| ≥ 6000 | 26.9 | 53.2 | 59.7 | 64.5 | 69.3 | 72.0 | 74.6 | 75.1 | 75.3 | 76.5 | 76.8 | 76.8 | 76.8 | 76.8 | 76.9 | 76.9 |
| ≥ 5000 | 28.1 | 56.1 | 62.8 | 68.0 | 73.5 | 76.2 | 78.9 | 79.3 | 79.6 | 80.9 | 81.2 | 81.2 | 81.2 | 81.2 | 81.3 | 81.3 |
| ≥ 4500 | 28.2 | 56.6 | 63.3 | 68.5 | 74.0 | 76.7 | 79.5 | 80.0 | 80.2 | 81.5 | 81.8 | 81.8 | 81.8 | 81.8 | 81.9 | 81.9 |
| ≥ 4000 | 28.6 | 57.3 | 64.2 | 69.4 | 75.2 | 78.0 | 80.9 | 81.4 | 81.7 | 83.0 | 83.3 | 83.3 | 83.3 | 83.3 | 83.4 | 83.4 |
| ≥ 3500 | 28.6 | 57.5 | 64.3 | 69.9 | 75.7 | 78.5 | 81.4 | 81.9 | 82.2 | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.9 | 83.9 |
| ≥ 3000 | 29.3 | 58.6 | 65.4 | 71.0 | 76.8 | 79.7 | 82.8 | 83.3 | 83.5 | 85.1 | 85.3 | 85.3 | 85.3 | 85.3 | 85.5 | 85.5 |
| ≥ 2500 | 29.7 | 59.4 | 66.3 | 72.1 | 78.2 | 81.3 | 84.5 | 85.0 | 85.2 | 87.0 | 87.3 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 |
| ≥ 2000 | 30.3 | 60.4 | 67.4 | 73.6 | 80.1 | 83.1 | 86.3 | 86.8 | 87.0 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 |
| ≥ 1800 | 30.3 | 60.4 | 67.6 | 73.8 | 80.3 | 83.4 | 86.6 | 87.0 | 87.3 | 89.1 | 89.4 | 89.4 | 89.4 | 89.4 | 89.5 | 89.5 |
| ≥ 1500 | 30.3 | 60.8 | 68.0 | 74.2 | 80.8 | 83.9 | 87.2 | 87.7 | 87.9 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 |
| ≥ 1200 | 30.3 | 60.9 | 68.1 | 74.4 | 81.1 | 84.2 | 87.7 | 88.1 | 88.4 | 90.3 | 90.6 | 90.6 | 90.6 | 90.6 | 90.7 | 90.7 |
| ≥ 1000 | 30.7 | 61.6 | 68.8 | 75.4 | 82.5 | 85.7 | 89.1 | 89.6 | 89.9 | 91.8 | 92.1 | 92.1 | 92.1 | 92.2 | 92.3 | 92.3 |
| ≥ 900 | 30.8 | 61.9 | 69.1 | 75.9 | 82.9 | 86.2 | 89.6 | 90.1 | 90.3 | 92.3 | 92.5 | 92.5 | 92.5 | 92.7 | 92.8 | 92.8 |
| ≥ 800 | 30.8 | 62.2 | 69.4 | 76.5 | 83.5 | 86.8 | 90.3 | 90.8 | 91.1 | 93.0 | 93.3 | 93.3 | 93.3 | 93.4 | 93.5 | 93.5 |
| ≥ 700 | 30.9 | 63.0 | 70.2 | 77.5 | 84.7 | 88.3 | 91.9 | 92.5 | 92.8 | 94.7 | 95.0 | 95.0 | 95.0 | 95.1 | 95.2 | 95.2 |
| ≥ 600 | 30.9 | 63.3 | 70.9 | 78.2 | 85.6 | 89.1 | 92.8 | 93.4 | 93.6 | 95.6 | 95.8 | 95.8 | 95.8 | 96.0 | 96.1 | 96.1 |
| ≥ 500 | 30.9 | 63.4 | 71.0 | 78.4 | 85.7 | 89.2 | 93.3 | 94.0 | 94.3 | 96.3 | 96.6 | 96.6 | 96.6 | 96.7 | 96.8 | 96.8 |
| ≥ 400 | 30.9 | 63.4 | 71.0 | 78.6 | 86.2 | 89.7 | 93.9 | 95.0 | 95.2 | 97.4 | 97.8 | 97.8 | 97.8 | 97.9 | 98.0 | 98.0 |
| ≥ 300 | 30.9 | 63.4 | 71.0 | 78.6 | 86.2 | 89.7 | 93.9 | 95.0 | 95.2 | 97.4 | 97.9 | 97.9 | 97.9 | 98.0 | 98.2 | 98.3 |
| ≥ 200 | 30.9 | 63.4 | 71.0 | 78.6 | 86.2 | 89.7 | 94.0 | 95.2 | 95.5 | 97.8 | 98.4 | 98.4 | 98.4 | 98.5 | 98.8 | 98.9 |
| ≥ 100 | 30.9 | 63.4 | 71.0 | 78.6 | 86.2 | 89.7 | 94.0 | 95.2 | 95.5 | 97.8 | 98.4 | 98.4 | 98.4 | 98.5 | 98.8 | 99.6 |
| ≥ 0 | 30.9 | 63.4 | 71.0 | 78.6 | 86.2 | 89.7 | 94.0 | 95.2 | 95.5 | 97.8 | 98.4 | 98.4 | 98.4 | 98.5 | 9[illegible].8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 818

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

2012

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

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

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

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 8.2 | 36.9 | 42.2 | 45.0 | 49.8 | 51.0 | 53.3 | 54.8 | 55.0 | 56.2 | 56.4 | 56.4 | 56.5 | 56.5 | 56.5 | 56.5 |
| ≥ 20000 | 8.3 | 39.6 | 44.9 | 48.0 | 53.7 | 55.3 | 58.3 | 60.1 | 60.4 | 62.1 | 62.3 | 62.3 | 62.5 | 62.5 | 62.5 | 62.5 |
| ≥ 18000 | 8.3 | 39.6 | 44.9 | 48.0 | 53.7 | 55.3 | 58.3 | 60.1 | 60.4 | 62.1 | 62.3 | 62.3 | 62.5 | 62.5 | 62.5 | 62.5 |
| ≥ 16000 | 8.3 | 39.6 | 44.9 | 48.0 | 53.7 | 55.3 | 58.3 | 60.1 | 60.4 | 62.1 | 62.3 | 62.3 | 62.5 | 62.5 | 62.5 | 62.5 |
| ≥ 14000 | 8.3 | 39.6 | 45.1 | 48.3 | 53.9 | 55.5 | 58.6 | 60.6 | 60.9 | 62.6 | 62.8 | 62.8 | 63.0 | 63.0 | 63.0 | 63.0 |
| ≥ 12000 | 8.3 | 40.1 | 45.7 | 49.0 | 55.0 | 56.8 | 60.3 | 62.6 | 62.8 | 64.8 | 65.0 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 |
| ≥ 10000 | 8.7 | 42.8 | 49.0 | 52.3 | 58.6 | 60.6 | 64.4 | 66.7 | 67.1 | 69.3 | 69.6 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 |
| ≥ 9000 | 8.7 | 43.5 | 49.9 | 53.2 | 59.4 | 61.5 | 65.4 | 67.7 | 68.1 | 70.3 | 70.5 | 70.5 | 70.7 | 70.7 | 70.7 | 70.7 |
| ≥ 8000 | 8.7 | 43.8 | 50.1 | 53.4 | 59.7 | 61.7 | 65.9 | 68.2 | 68.6 | 70.9 | 71.1 | 71.1 | 71.3 | 71.3 | 71.3 | 71.3 |
| ≥ 7000 | 8.7 | 43.8 | 50.2 | 53.7 | 59.9 | 62.1 | 66.3 | 68.7 | 69.1 | 71.4 | 71.6 | 71.6 | 71.8 | 71.8 | 71.8 | 71.8 |
| ≥ 6000 | 8.9 | 44.1 | 50.6 | 54.0 | 60.4 | 62.6 | 66.7 | 69.2 | 69.6 | 71.9 | 72.1 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 |
| ≥ 5000 | 9.0 | 45.4 | 51.8 | 55.5 | 62.2 | 64.8 | 69.2 | 71.6 | 72.0 | 74.3 | 74.6 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 |
| ≥ 4500 | 9.1 | 46.2 | 52.7 | 56.7 | 63.7 | 66.5 | 71.0 | 73.5 | 73.8 | 76.2 | 76.4 | 76.4 | 76.5 | 76.5 | 76.5 | 76.5 |
| ≥ 4000 | 9.0 | 46.3 | 52.8 | 56.8 | 63.9 | 66.7 | 71.3 | 73.7 | 74.1 | 76.4 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 |
| ≥ 3500 | 9.0 | 47.1 | 53.5 | 57.7 | 64.9 | 67.7 | 72.2 | 75.1 | 75.4 | 77.8 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 |
| ≥ 3000 | 9.2 | 47.8 | 54.5 | 58.8 | 66.0 | 68.8 | 73.3 | 76.2 | 76.5 | 79.0 | 79.3 | 79.3 | 79.5 | 79.5 | 79.5 | 79.5 |
| ≥ 2500 | 9.5 | 48.9 | 55.6 | 60.1 | 68.0 | 70.9 | 76.0 | 78.9 | 79.2 | 81.7 | 82.0 | 82.0 | 82.4 | 82.4 | 82.4 | 82.4 |
| ≥ 2000 | 9.8 | 49.6 | 56.6 | 61.2 | 69.1 | 72.0 | 77.3 | 80.1 | 80.4 | 82.9 | 83.3 | 83.3 | 83.6 | 83.6 | 83.6 | 83.6 |
| ≥ 1800 | 9.9 | 49.8 | 56.7 | 61.4 | 69.2 | 72.1 | 77.4 | 80.2 | 80.6 | 83.0 | 83.4 | 83.4 | 83.7 | 83.7 | 83.7 | 83.7 |
| ≥ 1500 | 10.0 | 50.7 | 57.8 | 62.6 | 70.5 | 73.7 | 79.1 | 81.9 | 82.3 | 84.7 | 85.1 | 85.1 | 85.5 | 85.5 | 85.5 | 85.5 |
| ≥ 1200 | 10.4 | 51.2 | 58.4 | 63.4 | 71.4 | 74.7 | 80.1 | 82.9 | 83.3 | 85.7 | 86.1 | 86.1 | 86.4 | 86.4 | 86.4 | 86.4 |
| ≥ 1000 | 10.5 | 51.6 | 58.9 | 64.1 | 72.1 | 75.7 | 81.2 | 84.2 | 84.6 | 87.0 | 87.4 | 87.4 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 900 | 10.5 | 51.8 | 59.3 | 64.4 | 72.5 | 76.0 | 81.7 | 84.7 | 85.1 | 87.5 | 87.9 | 87.9 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 800 | 10.5 | 52.0 | 59.4 | 64.9 | 73.1 | 76.7 | 82.4 | 85.5 | 85.8 | 88.3 | 88.6 | 88.6 | 89.0 | 89.0 | 89.0 | 89.0 |
| ≥ 700 | 10.6 | 52.1 | 59.8 | 65.6 | 74.0 | 77.6 | 83.5 | 86.7 | 87.0 | 89.6 | 90.0 | 90.0 | 90.3 | 90.3 | 90.5 | 90.5 |
| ≥ 600 | 10.6 | 52.6 | 60.6 | 66.9 | 75.4 | 79.3 | 85.6 | 89.1 | 89.6 | 92.3 | 92.7 | 92.7 | 93.0 | 93.0 | 93.2 | 93.2 |
| ≥ 500 | 10.6 | 52.7 | 60.8 | 67.2 | 76.0 | 80.0 | 86.3 | 90.3 | 91.0 | 93.8 | 94.5 | 94.5 | 94.9 | 94.9 | 95.0 | 95.0 |
| ≥ 400 | 10.6 | 52.7 | 60.8 | 67.2 | 76.0 | 80.0 | 86.7 | 91.3 | 91.9 | 95.1 | 96.1 | 96.1 | 96.7 | 96.7 | 96.8 | 96.8 |
| ≥ 300 | 10.6 | 52.7 | 60.8 | 67.2 | 76.0 | 80.0 | 86.7 | 91.4 | 92.1 | 95.7 | 96.7 | 96.7 | 97.4 | 97.4 | 97.6 | 97.6 |
| ≥ 200 | 10.6 | 52.7 | 60.8 | 67.2 | 76.0 | 80.0 | 86.7 | 91.4 | 92.1 | 95.8 | 96.9 | 96.9 | 97.8 | 97.8 | 97.9 | 98.4 |
| ≥ 100 | 10.6 | 52.7 | 60.8 | 67.2 | 76.0 | 80.0 | 86.7 | 91.4 | 92.1 | 95.8 | 97.1 | 97.1 | 98.3 | 98.4 | 98.5 | 99.5 |
| ≥ 0 | 10.6 | 52.7 | 60.8 | 67.2 | 76.0 | 80.0 | 86.7 | 91.4 | 92.1 | 95.8 | 97.1 | 97.1 | 98.3 | 98.4 | 98.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 818

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 (HOUR LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 13.9 | 44.8 | 48.4 | 50.9 | 52.8 | 54.2 | 54.7 | 54.8 | 54.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| ≥ 20000 | 15.4 | 48.7 | 52.6 | 56.0 | 58.9 | 60.5 | 61.2 | 61.6 | 61.6 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| ≥ 18000 | 15.4 | 48.7 | 52.6 | 56.0 | 58.9 | 60.5 | 61.2 | 61.6 | 61.6 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| ≥ 16000 | 15.4 | 48.7 | 52.6 | 56.0 | 58.9 | 60.5 | 61.2 | 61.6 | 61.6 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| ≥ 14000 | 15.4 | 48.7 | 52.6 | 56.4 | 59.6 | 61.3 | 62.1 | 62.5 | 62.5 | 62.7 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 12000 | 15.8 | 50.1 | 54.2 | 58.1 | 61.5 | 63.2 | 63.9 | 64.5 | 64.5 | 64.6 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| ≥ 10000 | 15.8 | 52.0 | 56.5 | 60.6 | 64.2 | 65.9 | 66.8 | 67.6 | 67.6 | 67.8 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| ≥ 9000 | 15.8 | 52.0 | 56.5 | 60.6 | 64.2 | 66.1 | 66.9 | 67.8 | 67.8 | 67.9 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| ≥ 8000 | 15.8 | 52.4 | 56.8 | 61.0 | 64.7 | 66.8 | 67.6 | 68.5 | 68.5 | 68.6 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| ≥ 7000 | 16.0 | 53.2 | 57.7 | 61.8 | 65.6 | 67.8 | 68.6 | 69.5 | 69.5 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| ≥ 6000 | 16.1 | 53.2 | 57.7 | 61.8 | 65.6 | 67.8 | 68.6 | 69.5 | 69.5 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| ≥ 5000 | 16.2 | 53.9 | 58.4 | 62.5 | 66.5 | 68.7 | 69.6 | 70.4 | 70.4 | 70.5 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| ≥ 4500 | 16.2 | 54.9 | 59.5 | 64.1 | 68.1 | 70.4 | 71.5 | 72.5 | 72.5 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| ≥ 4000 | 16.4 | 55.3 | 59.9 | 64.5 | 68.5 | 70.8 | 72.0 | 73.1 | 73.1 | 73.2 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| ≥ 3500 | 16.4 | 56.2 | 61.0 | 65.6 | 69.6 | 72.1 | 73.3 | 74.5 | 74.5 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| ≥ 3000 | 17.2 | 58.5 | 63.5 | 68.2 | 72.2 | 74.8 | 76.0 | 77.2 | 77.2 | 77.3 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| ≥ 2500 | 17.5 | 60.0 | 65.3 | 70.3 | 74.3 | 77.0 | 78.4 | 79.9 | 79.9 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| ≥ 2000 | 17.8 | 62.3 | 68.4 | 73.6 | 77.9 | 80.6 | 82.1 | 83.5 | 83.5 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| ≥ 1800 | 18.1 | 63.3 | 69.5 | 74.7 | 79.2 | 81.8 | 83.3 | 84.7 | 84.7 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| ≥ 1500 | 18.5 | 65.2 | 71.8 | 77.3 | 82.2 | 85.1 | 86.7 | 88.2 | 88.2 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 1200 | 18.7 | 66.1 | 73.1 | 79.3 | 84.7 | 87.8 | 89.5 | 91.2 | 91.2 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 1000 | 18.7 | 66.8 | 74.2 | 80.5 | 85.9 | 89.1 | 90.9 | 92.6 | 92.6 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 900 | 18.7 | 66.8 | 74.2 | 80.6 | 86.2 | 89.5 | 91.4 | 93.1 | 93.1 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 800 | 18.7 | 67.2 | 74.7 | 81.3 | 87.2 | 90.4 | 92.4 | 94.2 | 94.2 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 700 | 18.8 | 67.4 | 75.4 | 82.2 | 88.2 | 91.6 | 93.6 | 95.5 | 95.5 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 600 | 18.8 | 67.5 | 75.8 | 82.5 | 88.8 | 92.5 | 94.5 | 96.6 | 96.6 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 500 | 18.8 | 67.5 | 75.9 | 82.8 | 89.1 | 92.8 | 94.9 | 97.1 | 97.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 400 | 18.8 | 67.5 | 75.9 | 82.8 | 89.1 | 92.8 | 94.9 | 97.2 | 97.2 | 98.5 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 |
| ≥ 300 | 18.8 | 67.5 | 75.9 | 82.8 | 89.1 | 92.8 | 95.0 | 97.5 | 97.5 | 98.8 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 |
| ≥ 200 | 18.8 | 67.5 | 75.9 | 82.8 | 89.1 | 92.8 | 95.0 | 97.6 | 97.6 | 99.0 | 99.5 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 18.8 | 67.5 | 75.9 | 82.8 | 89.1 | 92.8 | 95.0 | 97.6 | 97.6 | 99.0 | 99.5 | 99.5 | 99.6 | 99.9 | 99.9 | 100.0 |
| ≥ 0 | 18.8 | 67.5 | 75.9 | 82.8 | 89.1 | 92.8 | 95.0 | 97.6 | 97.6 | 99.0 | 99.5 | 99.5 | 99.6 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 825

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

2013

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7[illegible]246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 16.0 | 38.0 | 38.6 | 39.0 | 40.3 | 40.8 | 40.8 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 20000 | 18.2 | 43.8 | 45.5 | 46.2 | 47.9 | 48.5 | 48.7 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| ≥ [illegible] | 18.2 | 43.8 | 45.5 | 46.2 | 47.9 | 48.5 | 48.7 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| ≥ [illegible] | 18.2 | 43.8 | 45.5 | 46.2 | 47.9 | 48.5 | 48.7 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 | 48.8 |
| ≥ 14000 | 18.2 | 43.9 | 45.7 | 46.5 | 48.2 | 48.8 | 48.9 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| ≥ 12000 | 19.2 | 46.5 | 48.9 | 49.8 | 51.8 | 52.4 | 52.8 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| ≥ 10000 | 19.7 | 48.0 | 50.6 | 51.5 | 53.9 | 54.5 | 54.9 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| ≥ 9000 | 19.7 | 48.0 | 50.6 | 51.5 | 53.9 | 54.5 | 54.9 | 55.3 | 55.3 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| ≥ 8000 | 19.9 | 48.8 | 51.3 | 52.2 | 54.8 | 55.4 | 55.7 | 56.1 | 56.1 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| ≥ 7000 | 19.9 | 48.9 | 51.7 | 52.7 | 55.4 | 56.1 | 56.5 | 56.8 | 56.8 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 | 57.0 |
| ≥ 6000 | 19.9 | 48.9 | 51.8 | 52.8 | 55.6 | 56.4 | 56.7 | 57.1 | 57.1 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| ≥ 5000 | 20.2 | 50.0 | 52.9 | 53.9 | 56.8 | 57.6 | 57.9 | 58.3 | 58.3 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| ≥ 4500 | 20.9 | 52.7 | 55.9 | 57.9 | 60.4 | 61.1 | 61.6 | 62.0 | 62.0 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| ≥ 4000 | 21.3 | 54.0 | 57.2 | 58.8 | 62.0 | 62.8 | 63.4 | 63.8 | 63.8 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| ≥ 3500 | 22.9 | 57.2 | 60.4 | 62.3 | 65.9 | 66.7 | 67.5 | 67.8 | 67.8 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| ≥ 3000 | 24.2 | 63.9 | 68.2 | 70.2 | 74.1 | 75.1 | 75.9 | 76.5 | 76.5 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| ≥ 2500 | 25.7 | 70.7 | 75.4 | 77.6 | 81.8 | 82.9 | 84.1 | 84.8 | 84.8 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| ≥ 2000 | 25.9 | 73.1 | 79.2 | 81.9 | 86.6 | 87.7 | 88.9 | 89.6 | 89.6 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥ 1800 | 26.1 | 74.1 | 80.2 | 82.9 | 87.5 | 88.6 | 90.0 | 90.7 | 90.7 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 1500 | 26.2 | 74.9 | 81.8 | 84.7 | 90.2 | 91.3 | 93.2 | 94.0 | 94.0 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 1200 | 26.2 | 75.4 | 82.5 | 85.6 | 91.3 | 92.4 | 94.4 | 95.2 | 95.2 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 1000 | 26.2 | 75.7 | 83.0 | 86.3 | 92.2 | 93.4 | 95.4 | 96.2 | 96.2 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| ≥ 900 | 26.3 | 76.0 | 83.4 | 86.7 | 92.5 | 93.8 | 95.8 | 96.7 | 96.7 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 800 | 26.5 | 76.3 | 83.6 | 87.0 | 92.9 | 94.1 | 96.2 | 97.1 | 97.1 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 700 | 26.0 | 76.3 | 83.6 | 87.0 | 92.9 | 94.3 | 96.5 | 97.6 | 97.6 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 600 | 26.0 | 76.3 | 83.7 | 87.2 | 93.0 | 94.4 | 96.7 | 97.9 | 97.9 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 500 | 26.0 | 76.3 | 83.7 | 87.2 | 93.0 | 94.5 | 96.8 | 98.2 | 98.2 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 400 | 26.0 | 76.3 | 83.7 | 87.2 | 93.0 | 94.5 | 97.1 | 98.7 | 98.7 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 300 | 26.0 | 76.3 | 83.7 | 87.2 | 93.0 | 94.5 | 97.2 | 98.9 | 98.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 26.0 | 76.3 | 83.7 | 87.2 | 93.0 | 94.5 | 97.2 | 98.9 | 98.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 26.0 | 76.3 | 83.7 | 87.2 | 93.0 | 94.5 | 97.2 | 98.9 | 98.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 26.0 | 76.3 | 83.7 | 87.2 | 93.0 | 94.5 | 97.2 | 98.9 | 98.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 618

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72?246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1530-1700 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 19.0 | 39.5 | 40.8 | 41.5 | 42.9 | 43.0 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 | 43.2 |
| ≥ 20000 | 23.1 | 50.0 | 51.9 | 53.4 | 54.8 | 55.3 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 18000 | 23.1 | 50.0 | 51.9 | 53.4 | 54.8 | 55.3 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 16000 | 23.1 | 50.0 | 51.9 | 53.4 | 54.8 | 55.3 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 14000 | 23.1 | 50.1 | 52.1 | 53.5 | 55.0 | 55.4 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| ≥ 12000 | 23.5 | 52.5 | 55.1 | 56.5 | 58.0 | 58.5 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| ≥ 10000 | 23.7 | 54.8 | 57.4 | 59.0 | 60.5 | 61.0 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| ≥ 9000 | 23.8 | 55.0 | 57.7 | 59.7 | 61.3 | 61.7 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| ≥ 8000 | 24.0 | 55.6 | 58.4 | 60.3 | 62.2 | 62.7 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 | 63.2 |
| ≥ 7000 | 24.0 | 56.1 | 59.2 | 61.4 | 63.4 | 63.9 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| ≥ 6000 | 24.0 | 56.1 | 59.2 | 61.5 | 63.9 | 64.4 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| ≥ 5000 | 24.1 | 57.9 | 61.3 | 63.7 | 66.8 | 67.3 | 67.9 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 | 68.0 |
| ≥ 4500 | 24.7 | 60.5 | 64.2 | 66.7 | 69.9 | 70.6 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| ≥ 4000 | 24.8 | 61.9 | 65.5 | 68.2 | 71.5 | 72.3 | 72.9 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| ≥ 3500 | 26.2 | 66.8 | 70.7 | 73.8 | 77.7 | 78.5 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| ≥ 3000 | 27.0 | 72.4 | 77.0 | 81.0 | 85.2 | 86.0 | 86.8 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| ≥ 2500 | 27.5 | 74.9 | 80.1 | 84.9 | 89.5 | 90.2 | 91.2 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 2000 | 27.8 | 77.2 | 82.4 | 87.7 | 92.4 | 93.3 | 94.3 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 1800 | 27.8 | 77.5 | 82.7 | 87.9 | 92.7 | 93.7 | 94.7 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 1500 | 27.8 | 78.5 | 83.7 | 89.2 | 94.3 | 95.3 | 96.4 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 1200 | 27.8 | 78.8 | 84.0 | 90.0 | 95.2 | 96.1 | 97.3 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 1000 | 27.8 | 78.9 | 84.3 | 90.2 | 95.4 | 96.4 | 97.6 | 97.9 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 900 | 27.8 | 78.9 | 84.3 | 90.2 | 95.4 | 96.4 | 97.6 | 97.9 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 800 | 27.8 | 78.9 | 84.3 | 90.3 | 95.5 | 96.5 | 97.7 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 700 | 27.8 | 78.9 | 84.3 | 90.3 | 95.5 | 96.5 | 97.7 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 600 | 27.8 | 78.9 | 84.3 | 90.3 | 95.5 | 96.5 | 97.7 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 500 | 27.8 | 78.9 | 84.3 | 90.3 | 95.5 | 96.5 | 97.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 400 | 27.8 | 78.9 | 84.3 | 90.3 | 95.5 | 96.7 | 98.1 | 99. | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 300 | 27.8 | 78.9 | 84.3 | 90.3 | 95.5 | 96.7 | 98.1 | 99.2 | 99.2 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 27.8 | 78.9 | 84.3 | 90.3 | 95.5 | 96.7 | 98.1 | 99.3 | 99.3 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 27.8 | 78.9 | 84.3 | 90.3 | 95.5 | 96.7 | 98.1 | 99.3 | 99.3 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 27.8 | 78.9 | 84.3 | 90.3 | 95.5 | 96.7 | 98.1 | 99.3 | 99.3 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 826

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

2014

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 28.9 | 44.1 | 47.7 | 49.5 | 51.7 | 52.6 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 |
| ≥ 20000 | 32.1 | 50.2 | 55.9 | 59.4 | 61.8 | 62.8 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.2 |
| ≥ 18000 | 32.1 | 50.2 | 55.9 | 59.4 | 61.8 | 62.8 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| ≥ 16000 | 32.1 | 50.2 | 55.9 | 59.4 | 61.8 | 62.8 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| ≥ 14000 | 32.1 | 50.4 | 56.2 | 59.8 | 62.2 | 63.2 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 |
| ≥ 12000 | 32.4 | 52.2 | 58.5 | 62.1 | 64.5 | 65.5 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| ≥ 10000 | 34.1 | 56.7 | 64.0 | 68.3 | 70.9 | 72.0 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| ≥ 9000 | 34.1 | 56.7 | 64.3 | 68.7 | 71.2 | 72.3 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| ≥ 8000 | 34.6 | 58.3 | 65.9 | 70.2 | 72.9 | 74.1 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| ≥ 7000 | 34.6 | 58.4 | 66.0 | 70.7 | 73.5 | 74.8 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| ≥ 6000 | 34.9 | 58.9 | 66.8 | 72.0 | 74.8 | 76.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| ≥ 5000 | 36.1 | 63.4 | 71.7 | 77.7 | 81.0 | 82.3 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| ≥ 4500 | 36.2 | 63.7 | 72.3 | 78.3 | 81.7 | 83.0 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| ≥ 4000 | 37.2 | 65.5 | 74.8 | 81.0 | 84.6 | 86.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 3500 | 37.6 | 66.5 | 75.7 | 82.2 | 85.9 | 87.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| ≥ 3000 | 37.7 | 67.2 | 76.7 | 83.2 | 87.2 | 89.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 2500 | 37.8 | 68.5 | 78.0 | 84.6 | 88.7 | 90.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 2000 | 37.8 | 69.4 | 79.3 | 86.1 | 90.4 | 92.4 | 94.8 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 1800 | 37.8 | 69.4 | 79.3 | 86.1 | 90.4 | 92.4 | 95.0 | 95.1 | 95.1 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 1500 | 37.8 | 69.5 | 79.4 | 86.2 | 90.5 | 92.6 | 95.1 | 95.2 | 95.2 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 1200 | 37.8 | 69.6 | 79.6 | 86.5 | 90.7 | 92.9 | 95.5 | 95.6 | 95.6 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 1000 | 37.9 | 70.1 | 80.2 | 87.2 | 91.6 | 93.9 | 96.7 | 96.8 | 96.8 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 900 | 37.9 | 70.1 | 80.2 | 87.2 | 91.6 | 93.9 | 96.7 | 97.0 | 97.0 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 800 | 37.9 | 70.1 | 80.2 | 87.3 | 91.8 | 94.1 | 97.2 | 97.6 | 97.6 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 700 | 37.9 | 70.1 | 80.2 | 87.3 | 91.8 | 94.1 | 97.2 | 97.8 | 97.8 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 600 | 37.9 | 70.1 | 80.2 | 87.3 | 91.8 | 94.1 | 97.2 | 97.9 | 97.9 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 500 | 37.9 | 70.1 | 80.2 | 87.3 | 91.8 | 94.1 | 97.3 | 98.0 | 98.0 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 400 | 37.9 | 70.1 | 80.2 | 87.4 | 92.1 | 94.4 | 98.0 | 98.8 | 98.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 300 | 37.9 | 70.1 | 80.2 | 87.4 | 92.1 | 94.4 | 98.0 | 98.8 | 98.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 200 | 37.9 | 70.1 | 80.2 | 87.4 | 92.1 | 94.4 | 98.0 | 98.8 | 98.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 37.9 | 70.1 | 80.2 | 87.4 | 92.1 | 94.4 | 98.0 | 98.8 | 98.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 37.9 | 70.1 | 80.2 | 87.4 | 92.1 | 94.4 | 98.0 | 98.8 | 98.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 820

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

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

2100-2300 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 33.8 | 50.3 | 54.7 | 57.8 | 60.1 | 60.3 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| ≥ 20000 | 36.0 | 55.0 | 60.0 | 64.7 | 67.7 | 67.9 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| ≥ 18000 | 36.0 | 55.0 | 60.0 | 64.7 | 67.7 | 67.9 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| ≥ 16000 | 36.0 | 55.0 | 60.0 | 64.7 | 67.7 | 67.9 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| ≥ 14000 | 36.1 | 55.7 | 61.0 | 66.2 | 69.2 | 69.4 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| ≥ 12000 | 36.1 | 55.8 | 61.2 | 66.7 | 69.8 | 70.1 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| ≥ 10000 | 37.9 | 59.5 | 65.6 | 71.8 | 76.1 | 76.6 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| ≥ 9000 | 37.9 | 59.5 | 65.6 | 71.8 | 76.1 | 76.6 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| ≥ 8000 | 38.8 | 60.8 | 67.2 | 73.4 | 78.1 | 78.6 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| ≥ 7000 | 39.3 | 61.3 | 67.9 | 74.4 | 79.1 | 79.6 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| ≥ 6000 | 40.0 | 62.2 | 68.9 | 75.4 | 80.2 | 80.8 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| ≥ 5000 | 41.6 | 66.7 | 73.8 | 80.9 | 85.9 | 86.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| ≥ 4500 | 41.9 | 67.0 | 74.1 | 81.3 | 86.3 | 86.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 4000 | 42.4 | 68.4 | 75.6 | 83.4 | 88.6 | 89.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥ 3500 | 42.4 | 68.4 | 75.6 | 83.6 | 89.0 | 89.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| ≥ 3000 | 42.5 | 69.2 | 76.4 | 84.3 | 89.7 | 90.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 2500 | 42.7 | 69.4 | 76.9 | 85.3 | 90.8 | 91.6 | 93.0 | 93.0 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 2000 | 43.2 | 70.1 | 78.1 | 86.8 | 92.3 | 93.0 | 94.6 | 94.6 | 94.6 | 94.7 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 1800 | 43.3 | 70.3 | 78.3 | 87.1 | 92.7 | 93.4 | 95.0 | 95.0 | 95.0 | 95.1 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 1500 | 43.3 | 70.5 | 78.6 | 87.5 | 93.0 | 93.8 | 95.3 | 95.3 | 95.3 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 1200 | 43.3 | 70.6 | 78.8 | 87.8 | 93.4 | 94.1 | 95.7 | 95.7 | 95.7 | 96.0 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 1000 | 43.3 | 71.0 | 79.2 | 88.2 | 94.0 | 94.7 | 96.3 | 96.3 | 96.3 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 900 | 43.3 | 71.0 | 79.2 | 88.2 | 94.0 | 94.7 | 96.3 | 96.3 | 96.3 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 800 | 43.3 | 71.0 | 79.3 | 88.4 | 94.2 | 95.0 | 96.6 | 96.6 | 96.6 | 96.8 | 96.9 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 700 | 43.3 | 71.0 | 79.3 | 88.4 | 94.2 | 95.0 | 96.6 | 96.6 | 96.6 | 96.8 | 96.9 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 600 | 43.3 | 71.1 | 79.4 | 88.7 | 94.6 | 95.3 | 96.9 | 96.9 | 96.9 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 500 | 43.3 | 71.2 | 79.6 | 88.9 | 94.7 | 95.6 | 97.7 | 97.9 | 97.9 | 98.5 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 400 | 43.3 | 71.4 | 79.7 | 89.0 | 94.9 | 95.7 | 97.8 | 98.2 | 98.2 | 99.0 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 300 | 43.3 | 71.4 | 79.7 | 89.0 | 94.9 | 95.7 | 97.8 | 98.2 | 98.2 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 200 | 43.3 | 71.4 | 79.7 | 89.0 | 94.9 | 95.7 | 98.0 | 98.4 | 98.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 43.3 | 71.4 | 79.7 | 89.0 | 94.9 | 95.7 | 98.0 | 98.4 | 98.4 | 99.5 | 99.6 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 43.3 | 71.4 | 79.7 | 89.0 | 94.9 | 95.7 | 98.0 | 98.4 | 98.4 | 99.5 | 99.6 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 817

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

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

ALL (HOURS L S T)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 22.2 | 43.8 | 47.5 | 49.6 | 52.0 | 53.0 | 53.7 | 54.0 | 54.0 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.4 | 54.4 |
| ≥ 20000 | 24.4 | 48.6 | 53.1 | 56.0 | 59.0 | 60.1 | 61.0 | 61.3 | 61.4 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.9 | 61.9 |
| ≥ 18000 | 24.1 | 48.6 | 53.1 | 56.0 | 59.0 | 60.1 | 61.0 | 61.3 | 61.4 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.9 | 61.9 |
| ≥ 16000 | 24.1 | 48.6 | 53.1 | 56.0 | 59.0 | 60.1 | 61.0 | 61.3 | 61.4 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.9 | 61.9 |
| ≥ 14000 | 24.2 | 49.0 | 53.5 | 56.7 | 59.8 | 60.9 | 61.9 | 62.2 | 62.3 | 62.6 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 | 62.7 |
| ≥ 12000 | 24.6 | 50.2 | 55.1 | 58.3 | 61.6 | 62.7 | 63.7 | 64.2 | 64.2 | 64.6 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| ≥ 10000 | 25.7 | 53.4 | 58.7 | 62.3 | 66.0 | 67.2 | 68.4 | 68.9 | 69.0 | 69.4 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 |
| ≥ 9000 | 25.7 | 53.5 | 58.9 | 62.6 | 66.2 | 67.5 | 68.7 | 69.2 | 69.3 | 69.7 | 69.8 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 |
| ≥ 8000 | 25.9 | 54.3 | 59.8 | 63.4 | 67.3 | 68.6 | 69.9 | 70.4 | 70.5 | 70.9 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 |
| ≥ 7000 | 26.1 | 54.8 | 60.4 | 64.1 | 68.0 | 69.5 | 70.8 | 71.3 | 71.4 | 71.8 | 71.9 | 71.9 | 72.0 | 72.0 | 72.0 | 72.0 |
| ≥ 6000 | 26.3 | 55.2 | 60.9 | 64.8 | 68.8 | 70.3 | 71.6 | 72.1 | 72.2 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| ≥ 5000 | 27.2 | 57.7 | 63.6 | 67.8 | 72.3 | 73.8 | 75.3 | 75.8 | 75.9 | 76.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| ≥ 4500 | 27.4 | 58.7 | 64.8 | 69.2 | 73.7 | 75.3 | 76.9 | 77.4 | 77.5 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| ≥ 4000 | 27.7 | 59.7 | 65.8 | 70.4 | 75.1 | 76.8 | 78.5 | 79.1 | 79.1 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| ≥ 3500 | 28.1 | 61.0 | 67.3 | 72.1 | 77.0 | 78.7 | 80.4 | 81.0 | 81.1 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| ≥ 3000 | 28.7 | 63.3 | 69.9 | 74.9 | 79.9 | 81.6 | 83.4 | 84.1 | 84.2 | 84.7 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| ≥ 2500 | 29.1 | 65.2 | 72.0 | 77.3 | 82.5 | 84.4 | 86.4 | 87.1 | 87.2 | 87.8 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 2000 | 29.5 | 66.7 | 74.0 | 79.5 | 85.0 | 86.9 | 89.0 | 89.7 | 89.8 | 90.5 | 90.6 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 |
| ≥ 1800 | 29.6 | 67.0 | 74.3 | 79.9 | 85.4 | 87.3 | 89.4 | 90.2 | 90.2 | 90.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 |
| ≥ 1500 | 29.7 | 67.7 | 75.2 | 80.9 | 86.7 | 88.6 | 90.9 | 91.6 | 91.7 | 92.5 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 1200 | 29.8 | 68.0 | 75.7 | 81.6 | 87.5 | 89.5 | 91.8 | 92.6 | 92.7 | 93.5 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 1000 | 29.8 | 68.5 | 76.2 | 82.3 | 88.3 | 90.4 | 92.7 | 93.6 | 93.7 | 94.5 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 900 | 29.9 | 68.6 | 76.4 | 82.5 | 88.5 | 90.6 | 93.0 | 93.9 | 93.9 | 94.8 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 800 | 29.9 | 68.8 | 76.6 | 82.9 | 89.0 | 91.1 | 93.6 | 94.5 | 94.5 | 95.4 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 700 | 29.9 | 68.9 | 76.8 | 83.2 | 89.5 | 91.6 | 94.1 | 95.2 | 95.2 | 96.1 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 |
| ≥ 600 | 29.9 | 69.1 | 77.1 | 83.6 | 89.9 | 92.2 | 94.8 | 95.9 | 96.0 | 96.9 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 500 | 29.9 | 69.1 | 77.2 | 83.8 | 90.1 | 92.4 | 95.1 | 96.4 | 96.6 | 97.6 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 400 | 29.9 | 69.1 | 77.2 | 83.8 | 90.2 | 92.5 | 95.5 | 97.0 | 97.1 | 98.4 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 |
| ≥ 300 | 29.9 | 69.1 | 77.2 | 83.8 | 90.2 | 92.5 | 95.5 | 97.1 | 97.2 | 98.6 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 |
| ≥ 200 | 29.9 | 69.1 | 77.2 | 83.8 | 90.2 | 92.5 | 95.5 | 97.2 | 97.3 | 98.8 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 |
| ≥ 100 | 29.9 | 69.1 | 77.2 | 83.8 | 90.2 | 92.5 | 95.5 | 97.2 | 97.3 | 98.8 | 99.2 | 99.2 | 99.4 | 99.5 | 99.6 | 99.9 |
| ≥ 0 | 29.9 | 69.1 | 77.2 | 83.8 | 90.2 | 92.5 | 95.5 | 97.2 | 97.3 | 98.8 | 99.2 | 99.2 | 99.4 | 99.5 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 6561

USAF ETAC FORM AM 64 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

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

0000-0200 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 25.8 | 42.0 | 46.7 | 53.7 | 58.6 | 59.5 | 60.9 | 61.4 | 61.4 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.8 | 61.8 |
| ≥ 20000 | 26.8 | 44.4 | 49.6 | 56.8 | 61.7 | 62.6 | 64.0 | 64.5 | 64.5 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 |
| ≥ 18000 | 26.8 | 44.4 | 49.6 | 56.8 | 61.7 | 62.6 | 64.0 | 64.5 | 64.5 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 |
| ≥ 16000 | 26.8 | 44.4 | 49.6 | 56.8 | 61.7 | 62.6 | 64.0 | 64.5 | 64.5 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 |
| ≥ 14000 | 27.3 | 45.4 | 50.8 | 58.0 | 63.3 | 64.3 | 65.6 | 66.2 | 66.2 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.6 | 66.6 |
| ≥ 12000 | 27.7 | 46.2 | 51.6 | 58.8 | 64.1 | 65.1 | 66.4 | 67.0 | 67.0 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 |
| ≥ 10000 | 28.7 | 50.5 | 56.8 | 64.3 | 70.1 | 71.1 | 72.4 | 73.0 | 73.0 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.4 | 73.4 |
| ≥ 9000 | 28.7 | 50.5 | 56.8 | 64.3 | 70.1 | 71.1 | 72.4 | 73.0 | 73.0 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.4 | 73.4 |
| ≥ 8000 | 28.9 | 51.5 | 57.9 | 65.5 | 71.9 | 72.8 | 74.2 | 74.7 | 74.7 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.1 | 75.1 |
| ≥ 7000 | 29.2 | 52.7 | 59.4 | 67.0 | 73.4 | 74.3 | 75.7 | 76.2 | 76.2 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.6 | 76.6 |
| ≥ 6000 | 29.2 | 53.5 | 60.6 | 68.5 | 74.9 | 75.8 | 77.2 | 77.7 | 77.7 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 |
| ≥ 5000 | 29.6 | 56.3 | 64.7 | 73.2 | 80.2 | 81.1 | 82.5 | 83.2 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.6 | 83.6 |
| ≥ 4500 | 29.6 | 56.4 | 64.8 | 73.4 | 80.3 | 81.3 | 82.6 | 83.3 | 83.3 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.7 | 83.7 |
| ≥ 4000 | 29.8 | 56.8 | 65.8 | 74.6 | 81.5 | 82.5 | 83.8 | 84.5 | 84.5 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.9 | 84.9 |
| ≥ 3500 | 30.2 | 57.6 | 66.6 | 75.9 | 82.3 | 83.3 | 84.6 | 85.3 | 85.3 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.7 | 85.7 |
| ≥ 3000 | 30.2 | 58.3 | 67.5 | 76.9 | 83.6 | 84.5 | 85.9 | 86.7 | 86.7 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 |
| ≥ 2500 | 30.2 | 59.0 | 68.8 | 78.1 | 85.6 | 86.5 | 87.9 | 88.7 | 88.7 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 |
| ≥ 2000 | 30.2 | 59.2 | 69.7 | 79.3 | 87.0 | 87.9 | 89.3 | 90.1 | 90.1 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 |
| ≥ 1800 | 30.2 | 59.2 | 69.8 | 79.5 | 87.1 | 88.0 | 89.4 | 90.2 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 |
| ≥ 1500 | 30.2 | 59.5 | 70.2 | 79.9 | 87.8 | 88.7 | 90.2 | 91.0 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 |
| ≥ 1200 | 30.2 | 60.2 | 70.9 | 80.7 | 88.6 | 89.5 | 91.0 | 91.8 | 91.8 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.3 | 92.3 |
| ≥ 1000 | 30.2 | 60.3 | 71.3 | 81.3 | 89.1 | 90.1 | 91.7 | 92.7 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.1 | 93.1 |
| ≥ 900 | 30.2 | 60.3 | 71.3 | 81.4 | 89.3 | 90.2 | 91.8 | 92.8 | 92.8 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 |
| ≥ 800 | 30.2 | 60.3 | 71.5 | 81.5 | 89.4 | 90.5 | 92.1 | 93.1 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.5 | 93.5 |
| ≥ 700 | 30.2 | 60.3 | 71.5 | 81.5 | 89.7 | 90.8 | 92.4 | 93.3 | 93.3 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.8 | 93.8 |
| ≥ 600 | 30.2 | 60.3 | 71.5 | 81.6 | 90.2 | 91.3 | 92.9 | 93.9 | 93.9 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 |
| ≥ 500 | 30.2 | 60.3 | 71.5 | 82.1 | 90.8 | 92.0 | 94.2 | 95.1 | 95.1 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.9 | 95.9 |
| ≥ 400 | 30.2 | 60.3 | 71.5 | 82.3 | 91.3 | 92.7 | 95.1 | 96.3 | 96.3 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.3 | 97.3 |
| ≥ 300 | 30.2 | 60.3 | 71.5 | 82.3 | 91.4 | 92.9 | 95.5 | 96.7 | 96.7 | 97.3 | 97.4 | 97.4 | 97.6 | 97.6 | 97.7 | 97.7 |
| ≥ 200 | 30.2 | 60.3 | 71.5 | 82.3 | 91.4 | 92.9 | 95.5 | 96.7 | 96.7 | 97.7 | 97.8 | 97.8 | 98.1 | 98.1 | 98.4 | 98.4 |
| ≥ 100 | 30.2 | 60.3 | 71.5 | 82.3 | 91.4 | 92.9 | 95.5 | 96.7 | 96.7 | 98.0 | 98.1 | 98.1 | 98.9 | 98.9 | 99.3 | 99.5 |
| ≥ 0 | 30.2 | 60.3 | 71.5 | 82.3 | 91.4 | 92.9 | 95.7 | 96.9 | 96.9 | 98.1 | 98.2 | 98.2 | 99.0 | 99.0 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 736

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

201C

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 17.9 | 35.1 | 39.0 | 45.4 | 50.6 | 52.1 | 54.1 | 54.5 | 54.5 | 54.9 | 54.9 | 54.9 | 55.4 | 55.4 | 55.6 | 55.6 |
| ≥ 20000 | 18.8 | 37.7 | 42.2 | 49.1 | 54.2 | 55.7 | 57.9 | 58.4 | 58.4 | 58.8 | 58.8 | 58.8 | 59.3 | 59.3 | 59.5 | 59.5 |
| ≥ 18000 | 18.8 | 37.7 | 42.2 | 49.1 | 54.2 | 55.7 | 57.9 | 58.4 | 58.4 | 58.8 | 58.8 | 58.8 | 59.3 | 59.3 | 59.5 | 59.5 |
| ≥ 16000 | 18.8 | 37.7 | 42.2 | 49.1 | 54.2 | 55.7 | 57.9 | 58.4 | 58.4 | 58.8 | 58.8 | 58.8 | 59.3 | 59.3 | 59.5 | 59.5 |
| ≥ 14000 | 18.8 | 37.8 | 42.5 | 49.3 | 54.5 | 56.1 | 58.3 | 58.8 | 58.8 | 59.1 | 59.1 | 59.1 | 59.6 | 59.6 | 59.9 | 59.9 |
| ≥ 12000 | 19.4 | 38.8 | 43.6 | 50.7 | 55.9 | 57.5 | 59.6 | 60.2 | 60.2 | 60.5 | 60.5 | 60.5 | 61.0 | 61.0 | 61.3 | 61.3 |
| ≥ 10000 | 20.4 | 42.4 | 48.2 | 55.9 | 61.3 | 62.9 | 65.3 | 65.8 | 65.8 | 66.2 | 66.2 | 66.2 | 66.7 | 66.7 | 67.0 | 67.0 |
| ≥ 9000 | 20.4 | 42.5 | 48.3 | 56.0 | 61.4 | 63.1 | 65.4 | 66.0 | 66.0 | 66.3 | 66.3 | 66.3 | 66.8 | 66.8 | 67.1 | 67.1 |
| ≥ 8000 | 20.6 | 43.0 | 48.9 | 56.7 | 62.7 | 64.3 | 67.0 | 67.5 | 67.5 | 67.8 | 67.8 | 67.8 | 68.3 | 68.3 | 68.6 | 68.6 |
| ≥ 7000 | 20.7 | 43.4 | 49.4 | 57.3 | 63.2 | 64.8 | 67.5 | 68.0 | 68.0 | 68.3 | 68.3 | 68.3 | 68.9 | 68.9 | 69.1 | 69.1 |
| ≥ 6000 | 20.8 | 44.0 | 50.1 | 57.9 | 63.8 | 65.4 | 68.1 | 68.6 | 68.6 | 69.0 | 69.0 | 69.0 | 69.5 | 69.5 | 69.7 | 69.7 |
| ≥ 5000 | 21.3 | 45.5 | 52.7 | 61.7 | 68.2 | 69.9 | 72.5 | 73.0 | 73.0 | 73.4 | 73.4 | 73.4 | 73.9 | 73.9 | 74.1 | 74.1 |
| ≥ 4500 | 21.6 | 45.8 | 53.2 | 62.8 | 69.6 | 7 .2 | 73.9 | 74.4 | 74.4 | 74.8 | 74.8 | 74.8 | 75.3 | 75.3 | 75.5 | 75.5 |
| ≥ 4000 | 21.6 | 46.5 | 54.1 | 63.8 | 71.1 | 72.8 | 75.4 | 75.9 | 75.9 | 76.3 | 76.3 | 76.3 | 76.8 | 76.8 | 77.0 | 77.0 |
| ≥ 3500 | 21.7 | 47.4 | 55.2 | 65.2 | 72.5 | 74.1 | 76.9 | 77.4 | 77.4 | 77.8 | 77.8 | 77.8 | 78.3 | 78.3 | 78.6 | 78.6 |
| ≥ 3000 | 21.7 | 47.7 | 56.0 | 66.2 | 74.0 | 75.7 | 78.6 | 79.1 | 79.1 | 79.4 | 79.4 | 79.4 | 79.9 | 79.9 | 80.2 | 80.2 |
| ≥ 2500 | 21.8 | 48.8 | 57.1 | 67.3 | 75.4 | 77.2 | 80.2 | 80.7 | 80.7 | 81.2 | 81.2 | 81.2 | 81.7 | 81.7 | 82.0 | 82.0 |
| ≥ 2000 | 21.9 | 49.6 | 57.9 | 68.1 | 76.3 | 78.1 | 81.2 | 82.1 | 82.1 | 82.6 | 82.6 | 82.6 | 83.1 | 83.1 | 83.4 | 83.4 |
| ≥ 1800 | 22.1 | 49.7 | 58.0 | 68.3 | 76.5 | 78.3 | 81.7 | 82.6 | 82.6 | 83.1 | 83.1 | 83.1 | 83.6 | 83.6 | 83.9 | 83.9 |
| ≥ 1500 | 22.2 | 50.2 | 59.1 | 69.5 | 77.9 | 79.7 | 83.2 | 84.1 | 84.1 | 84.6 | 84.6 | 84.6 | 85.1 | 85.1 | 85.4 | 85.4 |
| ≥ 1200 | 22.2 | 50.3 | 59.3 | 70.1 | 78.6 | 80.3 | 83.9 | 84.7 | 84.7 | 85.2 | 85.2 | 85.2 | 85.8 | 85.8 | 86.0 | 86.0 |
| ≥ 1000 | 22.2 | 50.6 | 59.5 | 70.7 | 79.3 | 81.3 | 84.9 | 85.8 | 85.8 | 86.3 | 86.3 | 86.3 | 86.8 | 86.8 | 87.0 | 87.0 |
| ≥ 900 | 22.2 | 50.9 | 59.9 | 71.1 | 79.7 | 81.7 | 85.4 | 86.3 | 86.3 | 86.8 | 86.8 | 86.8 | 87.3 | 87.3 | 87.5 | 87.5 |
| ≥ 800 | 22.2 | 51.5 | 60.4 | 71.9 | 80.8 | 83.0 | 86.6 | 87.5 | 87.5 | 88.0 | 88.0 | 88.0 | 88.5 | 88.5 | 88.8 | 88.8 |
| ≥ 700 | 22.2 | 51.6 | 60.5 | 72.0 | 81.1 | 83.2 | 86.9 | 87.9 | 87.9 | 88.4 | 88.4 | 88.4 | 88.9 | 88.9 | 89.2 | 89.2 |
| ≥ 600 | 22.3 | 52.2 | 61.2 | 72.6 | 81.8 | 84.1 | 87.9 | 88.9 | 88.9 | 89.4 | 89.4 | 89.4 | 89.9 | 89.9 | 90.2 | 90.2 |
| ≥ 500 | 22.3 | 52.2 | 61.2 | 72.8 | 82.3 | 84.6 | 88.4 | 89.8 | 89.8 | 90.8 | 90.8 | 90.8 | 91.3 | 91.3 | 91.7 | 91.7 |
| ≥ 400 | 22.3 | 52.2 | 61.2 | 72.8 | 82.6 | 84.9 | 88.9 | 90.4 | 90.4 | 91.9 | 91.9 | 91.9 | 92.4 | 92.4 | 92.8 | 92.8 |
| ≥ 300 | 22.3 | 52.2 | 61.2 | 72.8 | 82.8 | 85.1 | 89.3 | 90.8 | 90.8 | 92.4 | 92.4 | 92.4 | 93.1 | 93.1 | 93.6 | 93.6 |
| ≥ 200 | 22.3 | 52.2 | 61.2 | 72.8 | 83.1 | 85.4 | 89.8 | 91.8 | 91.8 | 93.9 | 94.1 | 94.1 | 95.1 | 95.1 | 95.8 | 95.8 |
| ≥ 100 | 22.3 | 52.2 | 61.2 | 72.8 | 83.1 | 85.4 | 89.8 | 91.8 | 91.8 | 94.1 | 94.7 | 94.7 | 96.0 | 96.0 | 97.5 | 97.9 |
| ≥ 0 | 22.3 | 52.2 | 61.2 | 72.8 | 83.1 | 85.4 | 90.0 | 92.1 | 92.1 | 94.5 | 95.1 | 95.1 | 96.5 | 96.5 | 98.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 793

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

723246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 5.4 | 22.6 | 26.2 | 29.8 | 34.8 | 36.7 | 40.4 | 43.3 | 43.3 | 44.3 | 44.5 | 44.5 | 44.6 | 44.8 | 45.0 | 45.2 |
| ≥ 20000 | 6.0 | 27.1 | 31.5 | 36.0 | 41.3 | 43.7 | 47.9 | 51.8 | 51.8 | 53.4 | 53.7 | 53.7 | 53.8 | 53.9 | 54.1 | 54.4 |
| ≥ 18000 | 6.0 | 27.1 | 31.5 | 36.0 | 41.3 | 43.7 | 47.9 | 51.8 | 51.8 | 53.4 | 53.7 | 53.7 | 53.8 | 53.9 | 54.1 | 54.4 |
| ≥ 16000 | 6.0 | 27.1 | 31.5 | 36.0 | 41.3 | 43.7 | 47.9 | 51.8 | 51.8 | 53.4 | 53.7 | 53.7 | 53.8 | 53.9 | 54.1 | 54.4 |
| ≥ 14000 | 6.0 | 27.1 | 31.5 | 36.0 | 41.3 | 43.7 | 47.9 | 51.8 | 51.8 | 53.5 | 53.8 | 53.8 | 53.9 | 54.0 | 54.3 | 54.5 |
| ≥ 12000 | 6.0 | 27.8 | 32.2 | 37.0 | 42.6 | 44.9 | 49.1 | 53.2 | 53.2 | 54.9 | 55.1 | 55.1 | 55.2 | 55.4 | 55.6 | 55.9 |
| ≥ 10000 | 6.1 | 30.4 | 35.7 | 41.1 | 47.4 | 49.9 | 54.4 | 58.4 | 58.4 | 60.4 | 60.6 | 60.6 | 60.9 | 61.0 | 61.2 | 61.5 |
| ≥ 9000 | 6.3 | 31.1 | 36.6 | 42.2 | 48.7 | 51.1 | 55.6 | 59.6 | 59.6 | 61.6 | 61.8 | 61.8 | 62.1 | 62.2 | 62.4 | 62.7 |
| ≥ 8000 | 6.3 | 31.6 | 37.3 | 43.0 | 49.6 | 52.3 | 57.2 | 61.3 | 61.3 | 63.4 | 63.7 | 63.7 | 63.9 | 64.4 | 64.6 | 64.9 |
| ≥ 7000 | 6.3 | 32.0 | 37.8 | 43.7 | 50.2 | 53.0 | 57.9 | 62.2 | 62.2 | 64.6 | 64.9 | 64.9 | 65.1 | 65.6 | 65.9 | 66.1 |
| ≥ 6000 | 6.3 | 32.0 | 37.8 | 43.7 | 50.5 | 53.3 | 58.2 | 62.4 | 62.4 | 64.9 | 65.1 | 65.1 | 65.4 | 65.9 | 66.1 | 66.3 |
| ≥ 5000 | 6.3 | 32.8 | 39.4 | 45.4 | 52.3 | 55.4 | 60.5 | 65.0 | 65.0 | 67.4 | 67.7 | 67.7 | 67.9 | 68.4 | 68.7 | 68.9 |
| ≥ 4500 | 6.3 | 33.4 | 40.1 | 46.5 | 53.9 | 57.0 | 62.2 | 66.7 | 66.7 | 69.1 | 69.5 | 69.5 | 69.8 | 70.2 | 70.5 | 70.7 |
| ≥ 4000 | 6.3 | 33.5 | 40.4 | 46.8 | 54.3 | 57.3 | 62.6 | 67.1 | 67.1 | 69.5 | 69.9 | 69.9 | 70.1 | 70.6 | 70.9 | 71.1 |
| ≥ 3500 | 6.3 | 34.1 | 41.3 | 48.0 | 55.5 | 58.5 | 63.8 | 68.5 | 68.5 | 71.0 | 71.3 | 71.3 | 71.6 | 72.1 | 72.4 | 72.7 |
| ≥ 3000 | 6.3 | 34.5 | 41.8 | 48.9 | 56.6 | 59.9 | 65.1 | 70.0 | 70.0 | 72.6 | 72.9 | 72.9 | 73.2 | 73.7 | 74.0 | 74.3 |
| ≥ 2500 | 6.5 | 35.4 | 42.8 | 50.0 | 57.7 | 61.1 | 66.3 | 71.5 | 71.5 | 74.0 | 74.6 | 74.6 | 74.9 | 75.4 | 75.7 | 76.0 |
| ≥ 2000 | 6.5 | 36.2 | 43.7 | 51.1 | 58.8 | 62.3 | 67.6 | 72.9 | 72.9 | 75.5 | 76.2 | 76.2 | 76.5 | 77.1 | 77.4 | 77.8 |
| ≥ 1800 | 6.5 | 36.3 | 43.8 | 51.2 | 59.0 | 62.6 | 67.8 | 73.3 | 73.3 | 75.9 | 76.6 | 76.6 | 76.8 | 77.4 | 77.8 | 78.2 |
| ≥ 1500 | 6.5 | 36.6 | 44.0 | 51.6 | 59.4 | 62.9 | 68.2 | 73.7 | 73.7 | 76.3 | 77.1 | 77.1 | 77.3 | 77.9 | 78.3 | 78.7 |
| ≥ 1200 | 6.5 | 37.0 | 44.4 | 52.0 | 59.8 | 63.4 | 68.8 | 74.5 | 74.5 | 77.2 | 77.9 | 77.9 | 78.2 | 78.8 | 79.3 | 79.6 |
| ≥ 1000 | 6.5 | 37.2 | 44.9 | 52.6 | 60.4 | 64.3 | 69.9 | 75.7 | 75.7 | 78.5 | 79.4 | 79.4 | 79.6 | 80.2 | 80.9 | 81.2 |
| ≥ 900 | 6.5 | 37.2 | 45.0 | 52.7 | 61.0 | 64.9 | 70.6 | 76.6 | 76.6 | 79.4 | 80.2 | 80.2 | 80.5 | 81.1 | 81.7 | 82.1 |
| ≥ 800 | 6.5 | 37.4 | 45.5 | 53.2 | 61.4 | 65.5 | 71.6 | 77.6 | 77.6 | 80.5 | 81.3 | 81.3 | 81.6 | 82.2 | 82.8 | 83.2 |
| ≥ 700 | 6.5 | 37.7 | 45.9 | 53.5 | 62.0 | 66.5 | 72.7 | 79.0 | 79.0 | 82.2 | 83.0 | 83.0 | 83.3 | 83.9 | 84.5 | 84.9 |
| ≥ 600 | 6.5 | 37.8 | 46.0 | 54.0 | 63.0 | 67.2 | 74.3 | 80.6 | 80.6 | 83.9 | 84.8 | 84.8 | 85.1 | 85.7 | 86.3 | 86.7 |
| ≥ 500 | 6.5 | 37.9 | 46.1 | 54.4 | 63.4 | 67.7 | 75.0 | 81.8 | 81.8 | 85.5 | 86.3 | 86.3 | 86.7 | 87.3 | 87.9 | 88.3 |
| ≥ 400 | 6.5 | 37.9 | 46.3 | 54.6 | 63.9 | 68.7 | 76.0 | 83.5 | 83.7 | 88.4 | 89.6 | 89.6 | 90.1 | 90.9 | 91.6 | 92.1 |
| ≥ 300 | 6.5 | 37.9 | 46.3 | 54.6 | 63.9 | 68.7 | 76.0 | 83.7 | 83.8 | 88.7 | 90.5 | 90.5 | 91.1 | 92.1 | 92.8 | 93.3 |
| ≥ 200 | 6.5 | 37.9 | 46.3 | 54.6 | 63.9 | 68.7 | 76.1 | 83.8 | 83.9 | 89.5 | 92.1 | 92.1 | 93.5 | 94.9 | 96.2 | 97.4 |
| ≥ 100 | 6.5 | 37.9 | 46.3 | 54.6 | 63.9 | 68.7 | 76.1 | 83.9 | 84.0 | 89.6 | 92.2 | 92.2 | 93.9 | 95.2 | 97.0 | 98.9 |
| ≥ 0 | 6.5 | 37.9 | 46.3 | 54.6 | 63.9 | 68.7 | 76.1 | 83.9 | 84.0 | 89.6 | 92.2 | 92.2 | 93.9 | 95.2 | 97.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 820

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

2017

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

| 7[illegible]246 | MANSFIELD LAHM MAP OH | 73-81 | AUG |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

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

0900-1100
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 9.7 | 28.2 | 31.8 | 35.4 | 39.0 | 41.1 | 41.9 | 42.4 | 42.4 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 | 42.7 |
| ≥ 20000 | 10.6 | 32.8 | 37.6 | 41.9 | 46.0 | 49.1 | 50.2 | 51.0 | 51.3 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| ≥ 18000 | 10.6 | 32.8 | 37.6 | 41.9 | 46.0 | 49.1 | 50.2 | 51.0 | 51.3 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| ≥ 16000 | 10.6 | 32.8 | 37.6 | 41.9 | 46.0 | 49.1 | 50.2 | 51.0 | 51.3 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| ≥ 14000 | 10.6 | 33.0 | 37.9 | 42.2 | 46.4 | 49.4 | 50.6 | 51.4 | 51.7 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 12000 | 10.6 | 34.2 | 39.3 | 44.0 | 48.5 | 51.5 | 52.7 | 53.6 | 53.9 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| ≥ 10000 | 10.6 | 37.1 | 42.9 | 47.8 | 52.5 | 56.0 | 57.1 | 58.2 | 58.4 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 | 58.8 |
| ≥ 9000 | 10.6 | 37.4 | 43.4 | 48.3 | 53.0 | 56.6 | 57.7 | 58.8 | 59.1 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 | 59.4 |
| ≥ 8000 | 10.7 | 38.1 | 44.3 | 49.3 | 54.0 | 57.6 | 58.8 | 59.9 | 60.2 | 60.5 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 |
| ≥ 7000 | 10.7 | 38.7 | 44.9 | 50.2 | 55.4 | 58.9 | 60.3 | 61.4 | 61.7 | 62.1 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 | 62.3 |
| ≥ 6000 | 10.7 | 38.7 | 44.9 | 50.2 | 55.7 | 59.3 | 60.7 | 61.8 | 62.0 | 62.5 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| ≥ 5000 | 10.7 | 40.1 | 46.2 | 51.5 | 57.3 | 61.2 | 62.6 | 63.7 | 64.0 | 64.5 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 | 64.6 |
| ≥ 4500 | 10.7 | 40.6 | 46.9 | 52.4 | 58.2 | 62.0 | 63.5 | 64.6 | 64.9 | 65.4 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 | 65.6 |
| ≥ 4000 | 10.7 | 40.7 | 47.1 | 52.7 | 58.6 | 62.4 | 63.9 | 65.0 | 65.2 | 65.7 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| ≥ 3500 | 10.9 | 41.1 | 47.5 | 53.0 | 58.9 | 62.9 | 64.6 | 65.7 | 66.0 | 66.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| ≥ 3000 | 10.9 | 42.3 | 49.3 | 55.1 | 61.2 | 65.1 | 66.8 | 67.9 | 68.2 | 68.8 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| ≥ 2500 | 11.3 | 44.3 | 51.5 | 57.3 | 63.4 | 67.6 | 69.4 | 70.5 | 70.8 | 71.4 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| ≥ 2000 | 12.0 | 46.4 | 53.9 | 59.9 | 66.3 | 70.5 | 72.6 | 73.7 | 74.0 | 74.7 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 |
| ≥ 1800 | 12.1 | 47.1 | 54.9 | 60.9 | 67.4 | 71.6 | 73.9 | 75.0 | 75.2 | 76.0 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| ≥ 1500 | 12.5 | 50.2 | 58.7 | 65.4 | 72.0 | 76.6 | 79.0 | 80.1 | 80.4 | 81.1 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| ≥ 1200 | 12.6 | 52.3 | 61.2 | 68.4 | 75.8 | 80.6 | 83.1 | 84.3 | 84.6 | 85.3 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| ≥ 1000 | 12.6 | 53.0 | 62.1 | 69.8 | 77.6 | 82.6 | 85.2 | 86.6 | 86.8 | 87.8 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 900 | 12.6 | 53.0 | 62.4 | 70.3 | 78.4 | 83.6 | 86.2 | 87.7 | 87.9 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 800 | 12.6 | 53.0 | 62.5 | 70.4 | 79.3 | 84.5 | 87.5 | 89.1 | 89.4 | 90.5 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 700 | 12.6 | 53.3 | 62.8 | 70.7 | 79.7 | 85.2 | 88.4 | 90.1 | 90.4 | 91.6 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 600 | 12.6 | 53.4 | 63.1 | 71.1 | 80.3 | 86.1 | 89.9 | 92.2 | 92.5 | 93.8 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 500 | 12.6 | 53.5 | 63.3 | 71.3 | 80.5 | 86.3 | 90.4 | 93.0 | 93.2 | 94.8 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 400 | 12.6 | 53.5 | 63.4 | 71.6 | 81.0 | 86.8 | 90.9 | 94.0 | 94.3 | 96.8 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 300 | 12.6 | 53.6 | 63.5 | 71.8 | 81.3 | 87.1 | 91.1 | 94.5 | 94.8 | 97.5 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 200 | 12.6 | 53.6 | 63.5 | 71.8 | 81.3 | 87.2 | 91.2 | 94.6 | 94.9 | 97.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.3 | 99.3 |
| ≥ 100 | 12.6 | 53.6 | 63.5 | 71.8 | 81.3 | 87.2 | 91.2 | 94.6 | 94.9 | 97.9 | 99.0 | 99.0 | 99.1 | 99.4 | 99.6 | 99.8 |
| ≥ 0 | 12.6 | 53.6 | 63.5 | 71.8 | 81.3 | 87.2 | 91.2 | 94.6 | 94.9 | 97.9 | 99.0 | 99.0 | 99.1 | 99.4 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 811

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

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

1200-1400 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 10.6 | 27.3 | 28.8 | 32.1 | 34.3 | 34.7 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| ≥ 20000 | 11.8 | 35.1 | 36.7 | 40.6 | 43.3 | 43.9 | 44.0 | 44.2 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| ≥ 18000 | 11.8 | 35.1 | 36.7 | 40.6 | 43.3 | 43.9 | 44.0 | 44.2 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| ≥ 16000 | 11.8 | 35.1 | 36.7 | 40.6 | 43.3 | 43.9 | 44.0 | 44.2 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| ≥ 14000 | 12.1 | 35.3 | 36.9 | 40.8 | 43.5 | 44.2 | 44.3 | 44.4 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 |
| ≥ 12000 | 12.3 | 36.7 | 38.4 | 42.6 | 45.5 | 46.1 | 46.2 | 46.4 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 | 46.5 |
| ≥ 10000 | 12.4 | 40.1 | 42.2 | 47.1 | 50.4 | 51.4 | 51.7 | 51.8 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| ≥ 9000 | 12.5 | 40.7 | 42.8 | 47.7 | 51.4 | 52.4 | 52.6 | 52.8 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| ≥ 8000 | 12.7 | 41.3 | 43.4 | 48.6 | 52.4 | 53.4 | 53.6 | 53.8 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 | 53.9 |
| ≥ 7000 | 12.8 | 41.6 | 43.9 | 49.3 | 53.1 | 54.1 | 54.4 | 54.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| ≥ 6000 | 12.8 | 41.8 | 44.2 | 49.6 | 53.4 | 54.4 | 54.6 | 54.7 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| ≥ 5000 | 12.8 | 42.9 | 45.3 | 51.0 | 54.9 | 55.8 | 56.3 | 56.5 | 56.6 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| ≥ 4500 | 12.8 | 43.8 | 46.1 | 52.0 | 55.8 | 56.8 | 57.3 | 57.4 | 57.6 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 |
| ≥ 4000 | 12.8 | 44.4 | 47.0 | 53.4 | 57.6 | 58.5 | 59.0 | 59.2 | 59.4 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 |
| ≥ 3500 | 13.7 | 46.6 | 49.3 | 55.8 | 60.1 | 61.1 | 61.7 | 61.9 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 | 62.2 |
| ≥ 3000 | 14.5 | 51.5 | 54.5 | 61.3 | 66.3 | 67.4 | 68.0 | 68.1 | 68.4 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| ≥ 2500 | 15.5 | 58.2 | 62.1 | 68.9 | 74.4 | 75.8 | 76.9 | 77.0 | 77.2 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| ≥ 2000 | 15.9 | 62.7 | 67.0 | 74.3 | 80.6 | 82.4 | 84.1 | 84.3 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| ≥ 1800 | 15.9 | 64.2 | 69.2 | 76.9 | 83.4 | 85.2 | 87.1 | 87.2 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| ≥ 1500 | 16.1 | 66.2 | 71.6 | 79.6 | 86.6 | 88.9 | 90.9 | 91.0 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 1200 | 16.1 | 67.2 | 72.7 | 80.8 | 88.4 | 90.9 | 93.0 | 93.1 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 1000 | 16.1 | 67.8 | 73.3 | 81.4 | 89.2 | 91.6 | 94.3 | 94.6 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 900 | 16.1 | 67.8 | 73.3 | 81.5 | 89.3 | 91.8 | 94.7 | 95.1 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 800 | 16.1 | 67.9 | 73.4 | 81.8 | 89.5 | 92.0 | 95.1 | 95.4 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 700 | 16.1 | 68.1 | 73.8 | 82.3 | 90.0 | 92.7 | 95.9 | 96.4 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 600 | 16.1 | 68.5 | 74.2 | 82.8 | 90.5 | 93.2 | 96.7 | 97.3 | 97.5 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 500 | 16.1 | 68.6 | 74.3 | 82.9 | 90.7 | 93.4 | 96.8 | 97.5 | 97.8 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 400 | 16.1 | 68.8 | 74.4 | 83.0 | 90.8 | 93.6 | 97.2 | 97.9 | 98.2 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 300 | 16.1 | 68.9 | 74.5 | 83.1 | 90.9 | 93.7 | 97.3 | 98.0 | 98.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 200 | 16.1 | 68.9 | 74.7 | 83.3 | 91.0 | 93.8 | 97.4 | 98.2 | 98.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 16.1 | 68.9 | 74.7 | 83.3 | 91.0 | 93.8 | 97.4 | 98.2 | 98.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 16.1 | 68.9 | 74.7 | 83.3 | 91.0 | 93.8 | 97.4 | 98.2 | 98.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 813

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

2018

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

[redacted] 246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

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

1500-1700 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1¾ | ≥1½ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 12.6 | 32.8 | 33.6 | 35.9 | 37.5 | 37.9 | 38.1 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 | 38.5 |
| ≥ 20000 | 15.8 | 42.8 | 44.5 | 47.6 | 50.5 | 51.1 | 51.3 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| ≥ 18000 | 15.8 | 42.8 | 44.5 | 47.6 | 50.5 | 51.1 | 51.3 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| ≥ 16000 | 15.8 | 42.8 | 44.5 | 47.6 | 50.5 | 51.1 | 51.3 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| ≥ 14000 | 15.9 | 42.8 | 44.5 | 47.6 | 50.5 | 51.1 | 51.3 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 | 51.7 |
| ≥ 12000 | 16.1 | 45.2 | 47.1 | 50.4 | 53.5 | 54.2 | 54.4 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| ≥ 10000 | 16.6 | 48.7 | 51.5 | 54.9 | 58.4 | 59.5 | 59.8 | 60.1 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 |
| ≥ 9000 | 16.6 | 49.0 | 52.0 | 55.6 | 59.2 | 60.3 | 60.5 | 60.9 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| ≥ 8000 | 16.9 | 50.2 | 53.4 | 57.1 | 60.9 | 62.0 | 62.3 | 62.7 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 | 62.8 |
| ≥ 7000 | 16.9 | 50.9 | 54.2 | 57.8 | 61.6 | 62.7 | 63.1 | 63.4 | 63.6 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| ≥ 6000 | 17.1 | 51.1 | 54.4 | 58.1 | 61.9 | 63.1 | 63.4 | 63.8 | 63.9 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| ≥ 5000 | 17.1 | 52.4 | 55.7 | 59.4 | 63.2 | 64.5 | 65.0 | 65.5 | 65.6 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| ≥ 4500 | 17.4 | 55.0 | 58.6 | 62.3 | 66.5 | 68.0 | 68.5 | 68.9 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| ≥ 4000 | 17.4 | 55.4 | 59.3 | 63.1 | 67.7 | 69.2 | 69.7 | 70.2 | 70.3 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| ≥ 3500 | 17.7 | 57.6 | 61.7 | 65.9 | 71.4 | 73.1 | 73.6 | 74.1 | 74.2 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| ≥ 3000 | 18.6 | 62.6 | 67.2 | 71.5 | 78.1 | 80.0 | 80.8 | 81.3 | 81.4 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| ≥ 2500 | 19.4 | 65.8 | 71.3 | 75.8 | 82.4 | 84.5 | 85.6 | 86.1 | 86.2 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| ≥ 2000 | 19.9 | 69.2 | 75.2 | 80.8 | 87.7 | 90.3 | 91.7 | 92.2 | 92.3 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 1800 | 19.9 | 69.2 | 75.3 | 80.9 | 87.8 | 90.5 | 91.8 | 92.3 | 92.4 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 1500 | 20.0 | 69.9 | 76.3 | 82.0 | 89.2 | 92.1 | 93.6 | 94.1 | 94.3 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 1200 | 20.0 | 70.8 | 77.3 | 83.0 | 90.3 | 93.4 | 95.1 | 95.7 | 95.8 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 1000 | 20.0 | 71.4 | 77.9 | 83.6 | 91.0 | 94.0 | 95.8 | 96.5 | 96.6 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 900 | 20.0 | 71.4 | 78.1 | 83.9 | 91.2 | 94.3 | 96.1 | 96.7 | 96.8 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 800 | 20.0 | 71.4 | 78.4 | 84.1 | 91.4 | 94.5 | 96.3 | 96.9 | 97.1 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 700 | 20.0 | 71.4 | 78.4 | 84.1 | 91.4 | 94.5 | 96.3 | 97.1 | 97.2 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 600 | 20.0 | 71.4 | 78.4 | 84.1 | 91.6 | 94.6 | 96.7 | 97.4 | 97.6 | 98.0 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 500 | 20.0 | 71.4 | 78.4 | 84.1 | 91.7 | 94.7 | 97.2 | 98.0 | 98.2 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 400 | 20.0 | 71.4 | 78.4 | 84.1 | 91.7 | 94.7 | 97.4 | 98.4 | 98.7 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 300 | 20.0 | 71.4 | 78.4 | 84.1 | 91.7 | 94.7 | 97.6 | 98.5 | 98.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 20.0 | 71.4 | 78.4 | 84.1 | 91.7 | 94.7 | 97.6 | 98.5 | 98.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 20.0 | 71.4 | 78.4 | 84.1 | 91.7 | 94.7 | 97.6 | 98.5 | 98.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 20.0 | 71.4 | 78.4 | 84.1 | 91.7 | 94.7 | 97.6 | 98.5 | 98.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 818

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

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

...246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 19.2 | 35.6 | 39.2 | 42.8 | 46.9 | 47.7 | 47.8 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| ≥ 20000 | 22.3 | 40.7 | 45.1 | 48.9 | 54.2 | 55.0 | 55.1 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| ≥ 18000 | 22.3 | 40.7 | 45.1 | 48.9 | 54.2 | 55.0 | 55.1 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| ≥ 16000 | 22.7 | 40.7 | 45.1 | 48.9 | 54.2 | 55.0 | 55.1 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| ≥ 14000 | 22.5 | 41.7 | 46.1 | 50.1 | 55.4 | 56.2 | 56.4 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 | 56.6 |
| ≥ 12000 | 22.9 | 44.0 | 48.8 | 53.3 | 58.8 | 59.7 | 59.9 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 |
| ≥ 10000 | 23.6 | 47.8 | 53.9 | 59.5 | 65.3 | 66.3 | 66.5 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| ≥ 9000 | 23.6 | 47.8 | 54.0 | 59.7 | 65.6 | 66.6 | 66.9 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| ≥ 8000 | 24.2 | 49.4 | 56.2 | 62.3 | 68.6 | 69.7 | 70.2 | 70.8 | 70.8 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| ≥ 7000 | 24.2 | 50.1 | 57.1 | 63.3 | 69.6 | 70.7 | 71.1 | 71.8 | 71.8 | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| ≥ 6000 | 24.3 | 50.7 | 58.3 | 64.5 | 70.8 | 72.1 | 72.6 | 73.2 | 73.2 | 73.5 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| ≥ 5000 | 25.3 | 54.3 | 62.6 | 69.3 | 76.7 | 78.1 | 79.3 | 80.0 | 80.0 | 80.4 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| ≥ 4500 | 25.6 | 55.0 | 63.3 | 70.3 | 77.8 | 79.3 | 80.6 | 81.2 | 81.2 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| ≥ 4000 | 26.0 | 56.1 | 65.3 | 72.7 | 80.6 | 82.4 | 83.6 | 84.2 | 84.2 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| ≥ 3500 | 26.4 | 57.1 | 66.7 | 74.3 | 82.4 | 84.6 | 85.8 | 86.4 | 86.4 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| ≥ 3000 | 26.7 | 58.2 | 68.2 | 75.8 | 84.5 | 86.7 | 88.0 | 88.9 | 88.9 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 2500 | 26.9 | 59.7 | 70.0 | 77.6 | 86.7 | 89.1 | 90.6 | 91.4 | 91.4 | 91.9 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| ≥ 2000 | 27.1 | 60.4 | 71.3 | 79.0 | 88.5 | 91.1 | 92.8 | 93.6 | 93.6 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 1800 | 27.1 | 60.4 | 71.3 | 79.1 | 88.6 | 91.2 | 92.9 | 93.8 | 93.8 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 1500 | 27.4 | 61.0 | 72.0 | 80.0 | 89.5 | 92.2 | 94.4 | 95.2 | 95.2 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 1200 | 27.5 | 61.1 | 72.1 | 80.3 | 90.0 | 92.8 | 95.0 | 96.0 | 96.0 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 1000 | 27.5 | 61.1 | 72.5 | 80.8 | 90.6 | 93.4 | 95.6 | 96.6 | 96.6 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 900 | 27.5 | 61.1 | 72.6 | 80.9 | 90.7 | 93.5 | 95.7 | 96.7 | 96.7 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 800 | 27.5 | 61.1 | 72.6 | 81.2 | 91.0 | 93.8 | 96.0 | 97.2 | 97.2 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 700 | 27.5 | 61.1 | 72.7 | 81.3 | 91.2 | 94.0 | 96.3 | 97.7 | 97.7 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 600 | 27.5 | 61.1 | 72.7 | 81.3 | 91.4 | 94.3 | 96.7 | 98.0 | 98.0 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 500 | 27.5 | 61.1 | 72.7 | 81.3 | 91.7 | 94.5 | 96.9 | 98.4 | 98.4 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 400 | 27.6 | 61.2 | 72.9 | 81.4 | 91.8 | 94.6 | 97.1 | 98.7 | 98.7 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 27.6 | 61.2 | 72.9 | 81.4 | 91.8 | 94.6 | 97.1 | 98.8 | 98.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 27.6 | 61.2 | 72.9 | 81.4 | 91.8 | 94.6 | 97.1 | 98.8 | 98.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 27.6 | 61.2 | 72.9 | 81.4 | 91.8 | 94.6 | 97.1 | 98.8 | 98.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 27.6 | 61.2 | 72.9 | 81.4 | 91.8 | 94.6 | 97.1 | 98.8 | 98.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 818

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2019

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

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

2100-2300 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1¾ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 23.2 | 43.3 | 49.3 | 53.7 | 57.3 | 57.5 | 57.5 | 57.7 | 57.7 | 57.7 | 57.9 | 57.9 | 58.0 | 58.0 | 58.0 | 58.3 |
| ≥ 20000 | 24.9 | 45.7 | 52.6 | 57.9 | 61.8 | 61.9 | 61.9 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | 62.5 | 62.5 | 62.5 | 62.5 |
| ≥ 18000 | 24.9 | 45.7 | 52.6 | 57.9 | 61.8 | 61.9 | 61.9 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | 62.5 | 62.5 | 62.5 | 62.5 |
| ≥ 16000 | 24.9 | 45.7 | 52.6 | 57.9 | 61.8 | 61.9 | 61.9 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 | 62.5 | 62.5 | 62.5 | 62.5 |
| ≥ 14000 | 25.6 | 46.9 | 54.1 | 59.4 | 63.6 | 63.8 | 63.8 | 64.0 | 64.0 | 64.0 | 64.2 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 |
| ≥ 12000 | 25.6 | 47.6 | 55.0 | 60.5 | 65.0 | 65.1 | 65.1 | 65.4 | 65.4 | 65.4 | 65.5 | 65.5 | 65.6 | 65.6 | 65.6 | 65.6 |
| ≥ 10000 | 26.5 | 50.9 | 59.3 | 65.2 | 69.9 | 70.1 | 70.1 | 70.3 | 70.3 | 70.3 | 70.5 | 70.5 | 70.6 | 70.6 | 70.6 | 70.6 |
| ≥ 9000 | 26.5 | 50.9 | 59.3 | 65.2 | 70.3 | 70.5 | 70.5 | 70.7 | 70.7 | 70.7 | 70.9 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 |
| ≥ 8000 | 26.9 | 52.4 | 61.4 | 67.6 | 73.1 | 73.4 | 73.4 | 73.9 | 73.9 | 73.9 | 74.0 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 |
| ≥ 7000 | 27.2 | 53.0 | 62.1 | 68.2 | 73.8 | 74.0 | 74.0 | 74.5 | 74.5 | 74.5 | 74.7 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 |
| ≥ 6000 | 27.3 | 53.8 | 63.4 | 69.6 | 75.7 | 76.0 | 76.0 | 76.5 | 76.5 | 76.5 | 76.6 | 76.6 | 76.8 | 76.8 | 76.8 | 76.8 |
| ≥ 5000 | 26.0 | 57.2 | 67.5 | 74.5 | 81.9 | 82.2 | 82.3 | 82.8 | 82.8 | 82.8 | 82.9 | 82.9 | 83.1 | 83.1 | 83.1 | 83.1 |
| ≥ 4500 | 28.3 | 57.6 | 68.0 | 75.1 | 82.9 | 83.2 | 83.3 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 |
| ≥ 4000 | 28.3 | 58.4 | 69.3 | 77.0 | 85.0 | 85.3 | 85.4 | 86.0 | 86.0 | 86.0 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 |
| ≥ 3500 | 28.2 | 58.8 | 70.5 | 78.2 | 86.4 | 86.7 | 86.9 | 87.4 | 87.4 | 87.4 | 87.5 | 87.5 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 3000 | 28.2 | 59.6 | 71.8 | 80.1 | 88.3 | 88.7 | 88.8 | 89.4 | 89.4 | 89.5 | 89.6 | 89.6 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 2500 | 28.6 | 60.5 | 73.2 | 81.8 | 90.3 | 90.8 | 90.9 | 91.5 | 91.5 | 91.6 | 91.7 | 91.7 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 2000 | 29.1 | 61.4 | 74.1 | 82.8 | 91.5 | 92.0 | 92.1 | 92.7 | 92.7 | 92.8 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 1800 | 29.1 | 61.5 | 74.3 | 82.9 | 91.6 | 92.1 | 92.3 | 92.8 | 92.8 | 92.9 | 93.0 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 1500 | 29.1 | 61.5 | 74.4 | 83.2 | 92.1 | 92.7 | 92.8 | 93.3 | 93.3 | 93.4 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 1200 | 29.1 | 61.8 | 74.9 | 84.3 | 93.3 | 93.8 | 94.0 | 94.5 | 94.5 | 94.6 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 1000 | 29.1 | 61.9 | 75.1 | 84.6 | 93.7 | 94.5 | 94.6 | 95.1 | 95.1 | 95.3 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 900 | 29.1 | 61.9 | 75.1 | 84.6 | 93.8 | 94.6 | 94.8 | 95.3 | 95.3 | 95.4 | 95.5 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 800 | 29.1 | 61.9 | 75.1 | 84.8 | 94.1 | 94.9 | 95.1 | 95.7 | 95.7 | 95.8 | 95.9 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 700 | 29.1 | 62.1 | 75.2 | 85.0 | 94.5 | 95.3 | 95.5 | 96.1 | 96.1 | 96.2 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 600 | 29.1 | 62.2 | 75.3 | 85.2 | 95.1 | 95.9 | 96.2 | 96.7 | 96.7 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 500 | 29.1 | 62.3 | 75.5 | 85.3 | 95.5 | 96.5 | 96.9 | 97.4 | 97.4 | 97.5 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 400 | 29.1 | 62.3 | 75.6 | 85.4 | 95.9 | 97.1 | 97.5 | 98.0 | 98.0 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 300 | 29.1 | 62.3 | 75.6 | 85.4 | 95.9 | 97.1 | 97.8 | 98.4 | 98.4 | 98.7 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 200 | 29.1 | 62.3 | 75.6 | 85.4 | 96.1 | 97.2 | 97.9 | 98.6 | 98.6 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 |
| ≥ 100 | 29.1 | 62.3 | 75.6 | 85.4 | 96.1 | 97.2 | 97.9 | 98.6 | 98.6 | 99.1 | 99.2 | 99.2 | 99.7 | 99.7 | 99.9 | 100.0 |
| ≥ 0 | 29.1 | 62.3 | 75.6 | 85.4 | 96.1 | 97.2 | 97.9 | 98.6 | 98.6 | 99.1 | 99.2 | 99.2 | 99.7 | 99.7 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 762

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

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

ALL (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 15.4 | 33.1 | 36.6 | 40.8 | 44.6 | 45.6 | 46.6 | 47.3 | 47.3 | 47.5 | 47.6 | 47.6 | 47.7 | 47.7 | 47.8 | 47.8 |
| ≥ 20000 | 16.9 | 38.1 | 42.3 | 47.1 | 51.4 | 52.7 | 53.9 | 54.7 | 54.8 | 55.1 | 55.1 | 55.1 | 55.2 | 55.3 | 55.3 | 55.4 |
| ≥ 18000 | 16.9 | 38.1 | 42.3 | 47.1 | 51.4 | 52.7 | 53.9 | 54.7 | 54.8 | 55.1 | 55.1 | 55.1 | 55.2 | 55.3 | 55.3 | 55.4 |
| ≥ 16000 | 16.9 | 38.1 | 42.3 | 47.1 | 51.4 | 52.7 | 53.9 | 54.7 | 54.8 | 55.1 | 55.1 | 55.1 | 55.2 | 55.3 | 55.3 | 55.4 |
| ≥ 14000 | 17.1 | 38.6 | 42.8 | 47.7 | 52.1 | 53.4 | 54.5 | 55.4 | 55.5 | 55.8 | 55.8 | 55.8 | 55.9 | 56.0 | 56.0 | 56.1 |
| ≥ 12000 | 17.4 | 39.9 | 44.3 | 49.4 | 54.0 | 55.3 | 56.5 | 57.4 | 57.4 | 57.8 | 57.8 | 57.8 | 57.9 | 58.0 | 58.0 | 58.1 |
| ≥ 10000 | 17.9 | 43.3 | 48.6 | 54.3 | 59.2 | 60.7 | 62.0 | 62.9 | 62.9 | 63.3 | 63.4 | 63.4 | 63.5 | 63.5 | 63.6 | 63.6 |
| ≥ 9000 | 18.0 | 43.6 | 49.0 | 54.7 | 59.8 | 61.2 | 62.5 | 63.4 | 63.5 | 63.9 | 63.9 | 63.9 | 64.0 | 64.1 | 64.1 | 64.2 |
| ≥ 8000 | 18.2 | 44.5 | 50.2 | 56.1 | 61.4 | 63.0 | 64.4 | 65.4 | 65.5 | 65.9 | 66.0 | 66.0 | 66.1 | 66.1 | 66.2 | 66.2 |
| ≥ 7000 | 18.3 | 45.1 | 50.9 | 56.9 | 62.3 | 63.9 | 65.3 | 66.3 | 66.4 | 66.9 | 67.0 | 67.0 | 67.1 | 67.1 | 67.2 | 67.2 |
| ≥ 6000 | 18.3 | 45.6 | 51.5 | 57.5 | 63.1 | 64.7 | 66.1 | 67.1 | 67.2 | 67.7 | 67.8 | 67.8 | 67.9 | 68.0 | 68.0 | 68.1 |
| ≥ 5000 | 18.7 | 47.5 | 54.0 | 60.5 | 66.5 | 68.2 | 69.9 | 71.0 | 71.0 | 71.6 | 71.7 | 71.7 | 71.8 | 71.8 | 71.9 | 71.9 |
| ≥ 4500 | 18.8 | 48.3 | 54.9 | 61.6 | 67.9 | 69.6 | 71.2 | 72.3 | 72.4 | 72.9 | 73.0 | 73.0 | 73.2 | 73.2 | 73.3 | 73.3 |
| ≥ 4000 | 18.9 | 48.8 | 55.8 | 62.8 | 69.3 | 71.0 | 72.7 | 73.8 | 73.9 | 74.4 | 74.5 | 74.5 | 74.6 | 74.7 | 74.8 | 74.8 |
| ≥ 3500 | 19.2 | 49.9 | 57.1 | 64.2 | 70.9 | 72.8 | 74.5 | 75.6 | 75.7 | 76.3 | 76.4 | 76.4 | 76.5 | 76.6 | 76.7 | 76.7 |
| ≥ 3000 | 19.4 | 51.7 | 59.4 | 66.7 | 73.8 | 75.8 | 77.6 | 78.7 | 78.8 | 79.4 | 79.5 | 79.5 | 79.7 | 79.7 | 79.8 | 79.8 |
| ≥ 2500 | 19.9 | 53.8 | 62.1 | 69.4 | 76.8 | 78.9 | 80.8 | 82.0 | 82.1 | 82.7 | 82.9 | 82.9 | 83.0 | 83.0 | 83.1 | 83.2 |
| ≥ 2000 | 20.1 | 55.5 | 64.0 | 71.7 | 79.4 | 81.7 | 83.8 | 85.1 | 85.2 | 85.8 | 86.0 | 86.0 | 86.1 | 86.2 | 86.3 | 86.3 |
| ≥ 1800 | 20.2 | 55.9 | 64.4 | 72.3 | 80.0 | 82.3 | 84.5 | 85.8 | 85.9 | 86.5 | 86.7 | 86.7 | 86.8 | 86.9 | 87.0 | 87.0 |
| ≥ 1500 | 20.3 | 56.8 | 65.7 | 73.7 | 81.7 | 84.1 | 86.5 | 87.8 | 87.8 | 88.5 | 88.7 | 88.7 | 88.8 | 88.9 | 88.9 | 89.0 |
| ≥ 1200 | 20.3 | 57.5 | 66.5 | 74.8 | 83.0 | 85.5 | 87.9 | 89.3 | 89.4 | 90.0 | 90.2 | 90.2 | 90.3 | 90.4 | 90.5 | 90.5 |
| ≥ 1000 | 20.3 | 57.9 | 67.0 | 75.5 | 83.7 | 86.4 | 88.9 | 90.4 | 90.5 | 91.2 | 91.4 | 91.4 | 91.5 | 91.6 | 91.7 | 91.8 |
| ≥ 900 | 20.3 | 57.9 | 67.1 | 75.7 | 84.0 | 86.7 | 89.3 | 90.8 | 90.9 | 91.7 | 91.8 | 91.8 | 92.0 | 92.0 | 92.2 | 92.2 |
| ≥ 800 | 20.3 | 58.0 | 67.3 | 76.0 | 84.5 | 87.2 | 90.0 | 91.5 | 91.6 | 92.4 | 92.6 | 92.6 | 92.7 | 92.8 | 92.9 | 92.9 |
| ≥ 700 | 20.3 | 58.2 | 67.5 | 76.2 | 84.9 | 87.7 | 90.5 | 92.2 | 92.2 | 93.1 | 93.3 | 93.3 | 93.4 | 93.5 | 93.6 | 93.6 |
| ≥ 600 | 20.3 | 58.3 | 67.7 | 76.5 | 85.4 | 88.2 | 91.4 | 93.1 | 93.2 | 94.1 | 94.2 | 94.2 | 94.4 | 94.5 | 94.6 | 94.6 |
| ≥ 500 | 20.3 | 58.4 | 67.8 | 76.6 | 85.7 | 88.6 | 91.9 | 93.8 | 93.9 | 95.0 | 95.2 | 95.2 | 95.4 | 95.4 | 95.6 | 95.6 |
| ≥ 400 | 20.4 | 58.4 | 67.9 | 76.8 | 86.0 | 89.0 | 92.4 | 94.6 | 94.7 | 96.2 | 96.5 | 96.5 | 96.7 | 96.8 | 97.0 | 97.0 |
| ≥ 300 | 20.4 | 58.5 | 67.9 | 76.8 | 86.1 | 89.1 | 92.6 | 94.9 | 95.0 | 96.7 | 97.1 | 97.1 | 97.3 | 97.4 | 97.6 | 97.6 |
| ≥ 200 | 20.4 | 58.5 | 67.9 | 76.8 | 86.1 | 89.2 | 92.7 | 95.1 | 95.2 | 97.2 | 97.8 | 97.8 | 98.1 | 98.3 | 98.7 | 98.8 |
| ≥ 100 | 20.4 | 58.5 | 67.9 | 76.8 | 86.1 | 89.2 | 92.7 | 95.1 | 95.2 | 97.2 | 97.9 | 97.9 | 98.4 | 98.7 | 99.2 | 99.5 |
| ≥ 0 | 20.4 | 58.5 | 67.9 | 76.8 | 86.1 | 89.2 | 92.8 | 95.1 | 95.3 | 97.3 | 97.9 | 97.9 | 98.5 | 98.7 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 6371

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

2020

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

721246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-80 (YEARS) SEP (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-2400 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 38.1 | 52.3 | 56.1 | 59.5 | 62.9 | 63.4 | 63.9 | 64.1 | 64.1 | 64.5 | 64.5 | 64.5 | 64.8 | 64.8 | 64.8 | 64.8 |
| ≥ 20000 | 38.8 | 54.0 | 58.0 | 62.2 | 65.9 | 66.3 | 66.9 | 67.0 | 67.0 | 67.6 | 67.6 | 67.6 | 67.9 | 67.9 | 67.9 | 67.9 |
| ≥ 18000 | 38.8 | 54.0 | 58.0 | 62.2 | 65.9 | 66.3 | 66.9 | 67.0 | 67.0 | 67.6 | 67.6 | 67.6 | 67.9 | 67.9 | 67.9 | 67.9 |
| ≥ 16000 | 38.8 | 54.0 | 58.0 | 62.2 | 65.9 | 66.3 | 66.9 | 67.0 | 67.0 | 67.6 | 67.6 | 67.6 | 67.9 | 67.9 | 67.9 | 67.9 |
| ≥ 14000 | 39.1 | 54.3 | 58.2 | 62.5 | 66.2 | 66.6 | 67.2 | 67.3 | 67.3 | 67.9 | 67.9 | 67.9 | 68.2 | 68.2 | 68.2 | 68.2 |
| ≥ 12000 | 39.8 | 55.1 | 59.1 | 63.4 | 67.0 | 67.5 | 68.0 | 68.2 | 68.2 | 68.8 | 68.8 | 68.8 | 69.0 | 69.0 | 69.0 | 69.0 |
| ≥ 10000 | 41.8 | 58.4 | 62.4 | 66.8 | 70.5 | 70.9 | 71.4 | 71.6 | 71.6 | 72.2 | 72.2 | 72.2 | 72.4 | 72.4 | 72.4 | 72.4 |
| ≥ 9000 | 41.8 | 58.4 | 62.4 | 66.8 | 70.5 | 70.9 | 71.4 | 71.6 | 71.6 | 72.2 | 72.2 | 72.2 | 72.4 | 72.4 | 72.4 | 72.4 |
| ≥ 8000 | 42.0 | 58.8 | 62.8 | 67.2 | 71.0 | 71.4 | 72.0 | 72.2 | 72.2 | 72.7 | 72.7 | 72.7 | 73.0 | 73.0 | 73.0 | 73.0 |
| ≥ 7000 | 42.6 | 59.4 | 63.4 | 67.9 | 71.7 | 72.2 | 72.7 | 72.9 | 72.9 | 73.4 | 73.4 | 73.4 | 73.7 | 73.7 | 73.7 | 73.7 |
| ≥ 6000 | 42.6 | 59.7 | 63.9 | 68.5 | 72.6 | 73.0 | 73.9 | 74.0 | 74.0 | 74.6 | 74.6 | 74.6 | 74.9 | 74.9 | 74.9 | 74.9 |
| ≥ 5000 | 42.9 | 63.1 | 68.8 | 73.7 | 78.0 | 78.6 | 79.4 | 79.5 | 79.5 | 80.3 | 80.3 | 80.3 | 80.5 | 80.5 | 80.5 | 80.5 |
| ≥ 4500 | 43.0 | 63.4 | 69.0 | 74.0 | 78.3 | 78.8 | 79.7 | 79.8 | 79.8 | 80.5 | 80.5 | 80.5 | 80.8 | 80.8 | 80.8 | 80.8 |
| ≥ 4000 | 44.2 | 64.6 | 70.6 | 75.6 | 79.8 | 80.4 | 81.3 | 81.4 | 81.4 | 82.1 | 82.1 | 82.1 | 82.4 | 82.4 | 82.4 | 82.4 |
| ≥ 3500 | 44.3 | 64.8 | 70.7 | 76.0 | 80.3 | 80.8 | 81.8 | 82.0 | 82.0 | 82.7 | 82.7 | 82.7 | 83.0 | 83.0 | 83.0 | 83.0 |
| ≥ 3000 | 44.7 | 65.8 | 71.9 | 77.1 | 81.4 | 82.0 | 83.0 | 83.1 | 83.1 | 83.8 | 83.8 | 83.8 | 84.1 | 84.1 | 84.1 | 84.1 |
| ≥ 2500 | 45.0 | 66.2 | 72.3 | 78.1 | 82.4 | 83.0 | 83.9 | 84.1 | 84.1 | 84.8 | 84.8 | 84.8 | 85.1 | 85.1 | 85.1 | 85.1 |
| ≥ 2000 | 45.2 | 67.3 | 73.6 | 79.4 | 83.7 | 84.2 | 85.2 | 85.4 | 85.4 | 86.1 | 86.1 | 86.1 | 86.4 | 86.4 | 86.4 | 86.4 |
| ≥ 1800 | 45.3 | 67.6 | 73.9 | 79.7 | 83.9 | 84.5 | 85.5 | 85.7 | 85.7 | 86.4 | 86.4 | 86.4 | 86.6 | 86.6 | 86.6 | 86.6 |
| ≥ 1500 | 46.3 | 69.5 | 76.1 | 82.4 | 87.1 | 87.6 | 88.9 | 89.1 | 89.1 | 89.9 | 89.9 | 89.9 | 90.2 | 90.2 | 90.2 | 90.2 |
| ≥ 1200 | 46.9 | 70.0 | 76.7 | 83.0 | 87.6 | 88.2 | 89.5 | 89.6 | 89.6 | 90.5 | 90.5 | 90.5 | 91.8 | 90.8 | 90.8 | 90.8 |
| ≥ 1000 | 47.3 | 70.9 | 77.6 | 83.8 | 88.6 | 89.2 | 90.5 | 90.6 | 90.6 | 91.5 | 91.5 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 900 | 47.3 | 71.0 | 77.7 | 83.9 | 88.8 | 89.3 | 90.6 | 90.8 | 90.8 | 91.6 | 91.6 | 91.6 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 800 | 47.3 | 71.4 | 78.1 | 84.7 | 89.8 | 90.3 | 91.6 | 91.8 | 91.8 | 92.8 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 700 | 47.3 | 71.9 | 78.6 | 85.1 | 90.2 | 90.8 | 92.0 | 92.2 | 92.2 | 93.2 | 93.2 | 93.2 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 600 | 47.4 | 72.4 | 79.3 | 85.8 | 90.9 | 91.5 | 93.2 | 93.3 | 93.3 | 94.3 | 94.3 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 500 | 47.4 | 72.4 | 79.3 | 86.1 | 91.6 | 92.2 | 94.0 | 94.2 | 94.2 | 95.5 | 95.5 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 400 | 47.4 | 72.4 | 79.5 | 86.9 | 92.6 | 93.5 | 95.6 | 95.9 | 95.9 | 97.3 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 300 | 47.4 | 72.4 | 79.5 | 86.9 | 92.6 | 93.5 | 95.7 | 96.0 | 96.0 | 97.4 | 97.4 | 97.4 | 97.7 | 97.7 | 97.7 | 98.0 |
| ≥ 200 | 47.4 | 72.4 | 79.5 | 86.9 | 92.6 | 93.5 | 96.0 | 96.3 | 96.3 | 97.9 | 97.9 | 97.9 | 98.3 | 98.3 | 98.3 | 98.6 |
| ≥ 100 | 47.6 | 72.6 | 79.7 | 87.1 | 92.8 | 93.6 | 96.2 | 96.4 | 96.4 | 98.0 | 98.0 | 98.0 | 98.4 | 98.4 | 98.7 | 99.4 |
| ≥ 0 | 47.6 | 72.6 | 79.7 | 87.1 | 92.8 | 93.6 | 96.2 | 96.4 | 96.4 | 98.0 | 98.0 | 98.0 | 98.4 | 98.6 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 704

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

[illegible]246 MANSFIELD LAHM MAP OH 73-81 SEP
STATION STATION NAME YEARS MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

[illegible]300-05[illegible]
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 31.5 | 46.8 | 52.0 | 54.8 | 57.7 | 58.7 | 59.6 | 59.9 | 59.9 | 60.3 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| ≥ 20000 | 32.4 | 50.2 | 53.5 | 56.7 | 59.6 | 60.7 | 61.7 | 62.0 | 62.0 | 62.5 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| ≥ 18000 | 32.4 | 50.2 | 53.5 | 56.7 | 59.6 | 60.7 | 61.7 | 62.0 | 62.0 | 62.5 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| ≥ 16000 | 32.4 | 50.2 | 53.5 | 56.7 | 59.6 | 60.7 | 61.7 | 62.0 | 62.0 | 62.5 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 |
| ≥ 14000 | 33.2 | 51.1 | 54.4 | 57.7 | 60.6 | 61.6 | 62.6 | 62.9 | 62.9 | 63.4 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 | 63.6 |
| ≥ 12000 | 33.4 | 52.3 | 55.7 | 59.0 | 61.9 | 62.9 | 64.0 | 64.2 | 64.2 | 64.7 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| ≥ 10000 | 34.6 | 55.0 | 58.7 | 62.0 | 64.9 | 65.9 | 67.4 | 67.6 | 67.6 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| ≥ 9000 | 34.6 | 55.4 | 59.1 | 62.4 | 65.3 | 66.3 | 67.8 | 68.0 | 68.0 | 68.5 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 | 68.7 |
| ≥ 8000 | 34.7 | 55.7 | 59.5 | 62.8 | 65.7 | 66.7 | 68.3 | 68.5 | 68.5 | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| ≥ 7000 | 34.7 | 56.5 | 60.4 | 63.8 | 66.7 | 67.8 | 69.3 | 69.6 | 69.6 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| ≥ 6000 | 35.1 | 57.1 | 61.1 | 64.6 | 67.6 | 68.7 | 70.2 | 70.5 | 70.5 | 71.0 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| ≥ 5000 | 35.4 | 59.2 | 64.1 | 68.0 | 71.2 | 72.2 | 73.8 | 74.0 | 74.0 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 |
| ≥ 4500 | 35.5 | 59.6 | 64.6 | 68.7 | 71.8 | 72.9 | 74.4 | 74.7 | 74.7 | 75.2 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| ≥ 4000 | 35.9 | 60.7 | 65.8 | 70.1 | 73.3 | 74.3 | 75.9 | 76.1 | 76.1 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| ≥ 3500 | 36.3 | 61.9 | 67.2 | 71.6 | 74.8 | 75.9 | 77.6 | 77.9 | 77.9 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| ≥ 3000 | 36.6 | 63.2 | 68.5 | 73.3 | 76.5 | 77.6 | 79.3 | 79.6 | 79.6 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| ≥ 2500 | 36.6 | 63.4 | 68.9 | 73.8 | 77.1 | 78.1 | 79.8 | 80.1 | 80.1 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| ≥ 2000 | 37.6 | 65.4 | 70.9 | 75.8 | 79.3 | 80.3 | 82.0 | 82.3 | 82.3 | 82.8 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| ≥ 1800 | 37.6 | 65.4 | 70.9 | 75.8 | 79.4 | 80.5 | 82.2 | 82.4 | 82.4 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| ≥ 1500 | 37.7 | 66.3 | 72.1 | 77.3 | 81.4 | 82.4 | 84.4 | 84.7 | 84.7 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| ≥ 1200 | 37.7 | 66.4 | 72.2 | 77.7 | 81.9 | 83.0 | 84.9 | 85.2 | 85.2 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| ≥ 1000 | 37.9 | 67.2 | 73.1 | 78.6 | 83.0 | 84.0 | 86.0 | 86.2 | 86.2 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| ≥ 900 | 37.9 | 67.5 | 73.4 | 79.0 | 83.4 | 84.4 | 86.4 | 86.6 | 86.6 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| ≥ 800 | 38.3 | 68.4 | 74.4 | 80.1 | 84.7 | 85.7 | 87.7 | 87.9 | 87.9 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| ≥ 700 | 38.3 | 69.2 | 75.2 | 81.5 | 86.4 | 87.5 | 89.5 | 89.8 | 89.8 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 600 | 38.3 | 69.5 | 75.6 | 82.0 | 87.0 | 88.2 | 90.4 | 90.7 | 90.7 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 500 | 38.3 | 70.0 | 76.3 | 83.0 | 88.7 | 90.2 | 92.9 | 93.2 | 93.2 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 400 | 38.3 | 70.1 | 76.4 | 83.2 | 89.1 | 90.6 | 93.7 | 94.0 | 94.0 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 300 | 38.3 | 70.1 | 76.5 | 83.6 | 90.0 | 91.5 | 94.9 | 95.2 | 95.2 | 96.6 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| ≥ 200 | 38.3 | 70.1 | 76.5 | 83.6 | 90.0 | 91.5 | 95.2 | 95.4 | 95.4 | 97.0 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.8 |
| ≥ 100 | 38.3 | 70.2 | 76.7 | 83.7 | 90.2 | 91.6 | 95.3 | 95.5 | 95.5 | 97.1 | 97.6 | 97.6 | 97.9 | 97.9 | 98.2 | 98.6 |
| ≥ 0 | 38.3 | 70.2 | 76.7 | 83.7 | 90.2 | 91.6 | 95.3 | 95.5 | 95.5 | 97.1 | 97.6 | 97.6 | 97.9 | 97.9 | 98.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 763

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

2021

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

[redacted] (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

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

0600-0600 HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥⅜ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 9.9 | 33.3 | 36.6 | 40.2 | 44.0 | 46.0 | 47.9 | 48.9 | 48.9 | 50.2 | 50.7 | 50.7 | 50.8 | 50.8 | 51.1 | 51.2 |
| ≥ 20000 | 10.1 | 36.1 | 40.1 | 44.2 | 48.8 | 51.1 | 53.4 | 54.6 | 54.6 | 55.9 | 56.4 | 56.4 | 56.5 | 56.5 | 56.8 | 56.9 |
| ≥ 18000 | 10.1 | 36.1 | 40.1 | 44.2 | 48.8 | 51.1 | 53.4 | 54.6 | 54.6 | 55.9 | 56.4 | 56.4 | 56.5 | 56.5 | 56.8 | 56.9 |
| ≥ 16000 | 10.1 | 36.2 | 40.2 | 44.4 | 48.9 | 51.2 | 53.5 | 54.8 | 54.8 | 56.0 | 56.5 | 56.5 | 56.7 | 56.7 | 56.9 | 57.0 |
| ≥ 14000 | 10.3 | 37.4 | 41.3 | 45.5 | 50.1 | 52.3 | 54.6 | 55.9 | 55.9 | 57.2 | 57.7 | 57.7 | 57.8 | 57.8 | 58.0 | 58.2 |
| ≥ 12000 | 10.4 | 38.1 | 42.2 | 46.6 | 51.2 | 53.5 | 55.8 | 57.0 | 57.0 | 58.3 | 58.8 | 58.8 | 58.9 | 58.9 | 59.2 | 59.3 |
| ≥ 10000 | 10.8 | 39.4 | 43.7 | 48.8 | 53.4 | 55.6 | 57.9 | 59.2 | 59.2 | 60.5 | 61.0 | 61.0 | 61.2 | 61.2 | 61.5 | 61.6 |
| ≥ 9000 | 11.0 | 40.9 | 45.5 | 50.7 | 55.3 | 57.5 | 59.8 | 61.1 | 61.1 | 62.4 | 62.9 | 62.9 | 63.1 | 63.1 | 63.4 | 63.5 |
| ≥ 8000 | 11.3 | 41.7 | 46.3 | 51.6 | 56.4 | 58.7 | 61.0 | 62.2 | 62.2 | 63.6 | 64.1 | 64.1 | 64.4 | 64.4 | 64.8 | 64.9 |
| ≥ 7000 | 11.3 | 42.3 | 46.9 | 52.6 | 57.4 | 59.7 | 62.0 | 63.2 | 63.2 | 64.6 | 65.1 | 65.1 | 65.4 | 65.4 | 65.8 | 65.9 |
| ≥ 6000 | 11.3 | 42.3 | 46.9 | 52.6 | 57.7 | 60.1 | 62.4 | 63.6 | 63.6 | 65.0 | 65.5 | 65.5 | 65.8 | 65.8 | 66.2 | 66.3 |
| ≥ 5000 | 11.3 | 43.6 | 48.5 | 54.4 | 59.4 | 62.1 | 64.5 | 65.9 | 65.9 | 67.3 | 67.8 | 67.8 | 68.1 | 68.1 | 68.4 | 68.6 |
| ≥ 4500 | 11.9 | 44.2 | 49.4 | 55.4 | 60.5 | 63.1 | 65.7 | 67.0 | 67.0 | 68.4 | 68.9 | 68.9 | 69.2 | 69.2 | 69.6 | 69.7 |
| ≥ 4000 | 11.9 | 44.2 | 49.6 | 55.5 | 60.6 | 63.2 | 65.8 | 67.2 | 67.2 | 68.6 | 69.1 | 69.1 | 69.3 | 69.3 | 69.7 | 69.8 |
| ≥ 3500 | 11.9 | 45.9 | 51.2 | 57.4 | 62.6 | 65.3 | 67.8 | 69.3 | 69.3 | 70.7 | 71.2 | 71.2 | 71.5 | 71.5 | 71.9 | 72.0 |
| ≥ 3000 | 11.9 | 47.1 | 52.9 | 59.3 | 64.6 | 67.3 | 69.8 | 71.4 | 71.4 | 72.8 | 73.3 | 73.3 | 73.5 | 73.5 | 73.9 | 74.0 |
| ≥ 2500 | 12.2 | 47.8 | 53.9 | 60.3 | 65.9 | 68.7 | 71.2 | 72.8 | 72.8 | 74.3 | 74.8 | 74.8 | 75.0 | 75.0 | 75.4 | 75.5 |
| ≥ 2000 | 12.3 | 48.5 | 54.2 | 61.2 | 66.9 | 69.7 | 72.5 | 74.0 | 74.0 | 75.5 | 76.0 | 76.0 | 76.3 | 76.3 | 76.7 | 76.8 |
| ≥ 1800 | 12.3 | 48.7 | 54.5 | 61.7 | 67.6 | 70.3 | 73.1 | 74.8 | 74.8 | 76.3 | 76.8 | 76.8 | 77.1 | 77.1 | 77.4 | 77.6 |
| ≥ 1500 | 12.7 | 49.7 | 55.5 | 62.9 | 68.8 | 71.7 | 74.8 | 76.4 | 76.4 | 78.1 | 78.6 | 78.6 | 78.8 | 78.8 | 79.2 | 79.3 |
| ≥ 1200 | 12.9 | 51.5 | 57.4 | 64.8 | 71.1 | 74.0 | 77.3 | 79.0 | 79.0 | 80.6 | 81.1 | 81.1 | 81.4 | 81.4 | 81.7 | 81.9 |
| ≥ 1000 | 12.9 | 52.0 | 58.0 | 65.4 | 71.9 | 74.8 | 78.1 | 79.7 | 79.7 | 81.4 | 81.9 | 81.9 | 82.1 | 82.1 | 82.5 | 82.6 |
| ≥ 900 | 12.9 | 52.5 | 58.4 | 65.9 | 72.4 | 75.3 | 78.6 | 80.4 | 80.4 | 82.0 | 82.5 | 82.5 | 82.9 | 82.9 | 83.3 | 83.4 |
| ≥ 800 | 12.9 | 52.9 | 59.2 | 66.7 | 73.1 | 76.0 | 79.8 | 81.6 | 81.6 | 83.3 | 83.8 | 83.8 | 84.2 | 84.2 | 84.5 | 84.7 |
| ≥ 700 | 12.9 | 53.0 | 59.4 | 67.4 | 74.3 | 77.2 | 81.2 | 83.5 | 83.5 | 85.2 | 85.7 | 85.7 | 86.1 | 86.1 | 86.4 | 86.6 |
| ≥ 600 | 12.9 | 53.6 | 60.5 | 68.6 | 76.0 | 79.1 | 83.5 | 85.9 | 85.9 | 87.6 | 88.1 | 88.1 | 88.5 | 88.5 | 88.8 | 89.0 |
| ≥ 500 | 12.9 | 54.4 | 61.5 | 69.7 | 77.2 | 80.2 | 85.2 | 87.8 | 88.0 | 89.9 | 90.5 | 90.5 | 90.9 | 90.9 | 91.3 | 91.4 |
| ≥ 400 | 12.9 | 54.5 | 61.5 | 70.1 | 77.9 | 81.0 | 86.1 | 88.7 | 88.8 | 91.3 | 92.3 | 92.3 | 92.9 | 92.9 | 93.3 | 93.4 |
| ≥ 300 | 12.9 | 54.5 | 61.5 | 70.1 | 77.9 | 81.1 | 86.3 | 89.0 | 89.1 | 92.5 | 94.0 | 94.0 | 95.1 | 95.1 | 95.6 | 95.7 |
| ≥ 200 | 12.9 | 54.5 | 61.5 | 70.1 | 77.9 | 81.1 | 86.6 | 89.4 | 89.5 | 93.5 | 95.8 | 95.8 | 97.5 | 97.6 | 98.2 | 98.5 |
| ≥ 100 | 12.9 | 54.5 | 61.5 | 70.1 | 77.9 | 81.1 | 86.6 | 89.4 | 89.5 | 93.5 | 95.8 | 95.8 | 97.7 | 97.8 | 98.5 | 99.1 |
| ≥ 0 | 12.9 | 54.5 | 61.5 | 70.1 | 77.9 | 81.1 | 86.6 | 89.4 | 89.5 | 93.5 | 95.8 | 95.8 | 97.7 | 97.8 | 98.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 789

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72-246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | SEP MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 14.7 | 36.6 | 39.7 | 42.1 | 44.9 | 45.3 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| ≥ 20000 | 16.2 | 42.8 | 46.3 | 49.6 | 52.8 | 53.6 | 55.0 | 55.2 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| ≥ 18000 | 16.2 | 42.8 | 46.3 | 49.6 | 52.8 | 53.6 | 55.0 | 55.2 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| ≥ 16000 | 16.2 | 42.8 | 46.3 | 49.6 | 52.8 | 53.6 | 55.0 | 55.2 | 55.2 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| ≥ 14000 | 16.6 | 43.6 | 47.2 | 50.4 | 53.7 | 54.5 | 55.8 | 56.1 | 56.1 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 | 56.2 |
| ≥ 12000 | 16.7 | 45.2 | 48.8 | 52.2 | 55.5 | 56.2 | 57.6 | 57.9 | 57.9 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 | 58.0 |
| ≥ 10000 | 16.9 | 46.9 | 51.2 | 55.2 | 58.7 | 59.5 | 60.9 | 61.1 | 61.1 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| ≥ 9000 | 16.9 | 47.4 | 51.7 | 55.8 | 59.4 | 60.1 | 61.6 | 61.9 | 61.9 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 |
| ≥ 8000 | 17.5 | 48.7 | 53.0 | 57.1 | 60.8 | 61.5 | 63.0 | 63.3 | 63.3 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 |
| ≥ 7000 | 17.6 | 49.1 | 53.3 | 57.5 | 61.3 | 62.0 | 63.5 | 63.8 | 63.8 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| ≥ 6000 | 17.7 | 49.3 | 53.6 | 57.9 | 61.6 | 62.4 | 63.9 | 64.2 | 64.2 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| ≥ 5000 | 17.7 | 50.4 | 55.0 | 59.2 | 63.1 | 63.9 | 65.5 | 65.8 | 65.8 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| ≥ 4500 | 18.1 | 51.7 | 56.4 | 60.8 | 64.7 | 65.4 | 67.0 | 67.3 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| ≥ 4000 | 18.1 | 51.9 | 56.6 | 61.1 | 65.0 | 65.8 | 67.4 | 67.7 | 67.7 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| ≥ 3500 | 18.7 | 53.3 | 58.0 | 62.9 | 66.9 | 67.7 | 69.3 | 69.6 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| ≥ 3000 | 19.6 | 55.0 | 59.9 | 65.2 | 69.2 | 69.9 | 71.8 | 72.1 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| ≥ 2500 | 20.9 | 56.5 | 61.5 | 66.8 | 70.9 | 71.7 | 73.6 | 73.8 | 73.8 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| ≥ 2000 | 21.2 | 58.9 | 63.9 | 69.2 | 73.7 | 74.5 | 76.4 | 76.6 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| ≥ 1800 | 21.6 | 59.6 | 64.7 | 70.1 | 74.8 | 75.7 | 77.6 | 77.9 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| ≥ 1500 | 22.0 | 61.6 | 67.2 | 72.7 | 77.5 | 78.6 | 80.6 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| ≥ 1200 | 22.1 | 63.1 | 69.2 | 74.8 | 80.0 | 81.1 | 83.1 | 83.6 | 83.6 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| ≥ 1000 | 22.1 | 64.0 | 70.9 | 76.9 | 82.1 | 83.5 | 85.7 | 86.3 | 86.3 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| ≥ 900 | 22.1 | 64.5 | 71.6 | 77.6 | 83.0 | 84.5 | 86.9 | 87.7 | 87.7 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 800 | 22.1 | 64.7 | 71.7 | 78.0 | 83.6 | 85.3 | 87.9 | 88.8 | 88.8 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| ≥ 700 | 22.1 | 64.9 | 72.2 | 78.7 | 85.0 | 87.3 | 90.4 | 91.6 | 91.6 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 600 | 22.1 | 65.0 | 72.6 | 79.4 | 85.8 | 88.3 | 91.8 | 93.3 | 93.5 | 93.8 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 500 | 22.1 | 65.2 | 73.0 | 79.6 | 86.2 | 88.8 | 93.1 | 94.8 | 95.0 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 400 | 22.1 | 65.2 | 73.2 | 79.9 | 86.5 | 89.3 | 94.2 | 96.6 | 96.7 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 300 | 22.1 | 65.2 | 73.2 | 80.1 | 86.8 | 89.6 | 94.6 | 97.2 | 97.4 | 98.1 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 200 | 22.1 | 65.2 | 73.2 | 80.1 | 86.8 | 89.6 | 94.6 | 97.4 | 97.5 | 98.5 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 |
| ≥ 100 | 22.1 | 65.2 | 73.2 | 80.1 | 86.8 | 89.6 | 94.6 | 97.5 | 97.6 | 98.6 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 |
| ≥ 0 | 22.1 | 65.2 | 73.2 | 80.1 | 86.8 | 89.6 | 94.6 | 97.5 | 97.6 | 98.7 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 795

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

2022

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

| 723246 | MANSFIELD LAHM MAP OH | 73-81 | SEP |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

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

1200-1400
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1¼ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 18.5 | 34.5 | 35.7 | 37.6 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 |
| ≥ 20000 | 19.5 | 42.3 | 45.1 | 47.5 | 48.5 | 48.5 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 |
| ≥ 18000 | 19.5 | 42.3 | 45.1 | 47.5 | 48.5 | 48.5 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 |
| ≥ 16000 | 19.5 | 42.3 | 45.1 | 47.5 | 48.5 | 48.5 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 |
| ≥ 14000 | 20.0 | 43.5 | 46.2 | 48.6 | 49.6 | 49.6 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 | 50.0 |
| ≥ 12000 | 20.4 | 44.7 | 47.5 | 50.1 | 51.1 | 51.4 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 |
| ≥ 10000 | 20.7 | 47.5 | 50.4 | 53.3 | 54.3 | 54.5 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 | 55.2 |
| ≥ 9000 | 21.0 | 48.2 | 51.1 | 54.0 | 55.0 | 55.3 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| ≥ 8000 | 21.2 | 49.2 | 52.1 | 55.0 | 56.0 | 56.3 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| ≥ 7000 | 21.2 | 49.9 | 52.9 | 55.8 | 56.8 | 57.0 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| ≥ 6000 | 21.7 | 50.4 | 53.4 | 56.3 | 57.3 | 57.5 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 |
| ≥ 5000 | 22.4 | 51.6 | 54.8 | 57.8 | 58.8 | 59.0 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| ≥ 4500 | 22.7 | 52.6 | 55.8 | 58.8 | 59.8 | 60.1 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 |
| ≥ 4000 | 22.7 | 53.4 | 56.7 | 59.7 | 60.7 | 60.9 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 | 61.7 |
| ≥ 3500 | 24.2 | 57.0 | 60.7 | 63.7 | 64.7 | 64.9 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| ≥ 3000 | 26.4 | 62.2 | 66.3 | 69.7 | 71.0 | 71.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| ≥ 2500 | 28.4 | 67.2 | 71.7 | 75.8 | 77.6 | 78.0 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.3 | 79.3 |
| ≥ 2000 | 28.9 | 70.9 | 75.8 | 80.4 | 82.5 | 83.0 | 84.0 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.3 | 84.3 |
| ≥ 1800 | 29.1 | 71.6 | 76.9 | 81.8 | 83.9 | 84.4 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 |
| ≥ 1500 | 29.3 | 74.4 | 80.7 | 86.2 | 88.3 | 88.9 | 90.2 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 |
| ≥ 1200 | 29.3 | 75.5 | 82.0 | 87.8 | 89.9 | 91.0 | 92.3 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 |
| ≥ 1000 | 29.3 | 76.1 | 82.8 | 88.6 | 90.8 | 91.8 | 93.2 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 |
| ≥ 900 | 29.3 | 76.3 | 83.0 | 88.8 | 91.2 | 92.2 | 93.6 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 94.0 | 94.0 |
| ≥ 800 | 29.3 | 76.5 | 83.4 | 89.2 | 91.8 | 92.8 | 94.3 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 |
| ≥ 700 | 29.3 | 77.0 | 84.4 | 90.3 | 93.1 | 94.1 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 |
| ≥ 600 | 29.3 | 77.3 | 84.7 | 90.6 | 93.5 | 94.5 | 96.0 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.9 | 96.9 |
| ≥ 500 | 29.3 | 77.4 | 84.8 | 91.1 | 94.0 | 95.0 | 96.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 |
| ≥ 400 | 29.3 | 77.5 | 84.9 | 91.2 | 94.1 | 95.2 | 97.1 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 |
| ≥ 300 | 29.3 | 77.5 | 84.9 | 91.2 | 94.1 | 95.2 | 97.4 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 |
| ≥ 200 | 29.3 | 77.5 | 84.9 | 91.2 | 94.1 | 95.2 | 97.5 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.9 | 99.9 |
| ≥ 100 | 29.3 | 77.5 | 84.9 | 91.2 | 94.1 | 95.2 | 97.5 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 0 | 29.3 | 77.5 | 84.9 | 91.2 | 94.1 | 95.2 | 97.5 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 796

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72[illegible]246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 (HOUR LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥ ¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | 0 |
| NO CEILING | 19.2 | 40.1 | 40.9 | 42.8 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 |
| ≥ 20000 | 21.4 | 49.6 | 51.3 | 53.8 | 54.6 | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| ≥ 18000 | 21.4 | 49.6 | 51.3 | 53.8 | 54.6 | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| ≥ 16000 | 21.4 | 49.6 | 51.3 | 53.8 | 54.6 | 54.6 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| ≥ 14000 | 21.4 | 49.7 | 51.4 | 54.1 | 54.8 | 54.8 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 | 54.9 |
| ≥ 12000 | 22.4 | 51.5 | 53.4 | 56.2 | 57.0 | 57.0 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 | 57.1 |
| ≥ 10000 | 23.0 | 54.3 | 56.6 | 59.4 | 60.1 | 60.3 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 | 60.4 |
| ≥ 9000 | 23.2 | 54.8 | 57.2 | 60.0 | 60.8 | 60.9 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| ≥ 8000 | 23.2 | 56.2 | 58.6 | 61.4 | 62.2 | 62.3 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 | 62.5 |
| ≥ 7000 | 23.2 | 57.5 | 60.4 | 63.2 | 63.9 | 64.1 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 | 64.3 |
| ≥ 6000 | 23.5 | 58.2 | 61.1 | 63.9 | 64.7 | 64.8 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| ≥ 5000 | 23.9 | 59.7 | 62.7 | 65.6 | 66.3 | 66.5 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| ≥ 4500 | 24.6 | 61.5 | 64.7 | 67.7 | 68.5 | 68.6 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| ≥ 4000 | 25.2 | 63.0 | 66.3 | 69.4 | 70.1 | 70.3 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| ≥ 3500 | 27.3 | 67.1 | 70.6 | 73.8 | 74.6 | 74.7 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| ≥ 3000 | 29.4 | 71.8 | 75.8 | 79.6 | 80.6 | 80.8 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| ≥ 2500 | 29.9 | 76.3 | 80.4 | 84.7 | 86.1 | 86.3 | 86.6 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| ≥ 2000 | 30.4 | 79.1 | 83.7 | 88.1 | 89.5 | 89.7 | 90.0 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 1800 | 30.4 | 79.6 | 84.2 | 88.6 | 90.0 | 90.3 | 90.5 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| ≥ 1500 | 30.4 | 80.4 | 85.1 | 89.6 | 91.4 | 91.6 | 91.9 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 1200 | 30.4 | 80.9 | 85.7 | 90.8 | 92.5 | 92.9 | 93.2 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 1000 | 30.4 | 81.4 | 86.2 | 91.4 | 93.3 | 93.7 | 93.9 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 900 | 30.4 | 81.5 | 86.6 | 91.8 | 93.8 | 94.2 | 94.6 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 800 | 30.4 | 81.5 | 86.6 | 91.9 | 94.2 | 94.7 | 95.1 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 700 | 30.4 | 81.6 | 86.7 | 92.0 | 94.6 | 95.1 | 95.6 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 600 | 30.4 | 81.8 | 86.8 | 92.2 | 94.8 | 95.4 | 96.2 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 500 | 30.4 | 81.8 | 86.8 | 92.3 | 94.9 | 95.6 | 97.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 400 | 30.4 | 81.9 | 87.0 | 92.4 | 95.1 | 95.9 | 97.3 | 98.6 | 98.6 | 98.7 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 300 | 30.4 | 81.9 | 87.0 | 92.4 | 95.1 | 96.1 | 97.5 | 98.7 | 98.7 | 99.0 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 200 | 30.4 | 81.9 | 87.0 | 92.4 | 95.1 | 96.1 | 97.5 | 98.7 | 98.7 | 99.1 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 100 | 30.4 | 81.9 | 87.0 | 92.4 | 95.1 | 96.1 | 97.5 | 98.7 | 98.7 | 99.1 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.9 |
| 0 | 30.4 | 81.9 | 87.0 | 92.4 | 95.1 | 96.1 | 97.5 | 98.7 | 98.7 | 99.1 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 790

USAF ETAC FORM AA 64 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2023

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 32.3 | 42.3 | 45.4 | 46.5 | 48.6 | 48.6 | 48.6 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 |
| ≥ 20000 | 33.9 | 48.1 | 52.2 | 53.5 | 56.2 | 56.2 | 56.3 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 |
| ≥ 18000 | 33.9 | 48.1 | 52.2 | 53.5 | 56.2 | 56.2 | 56.3 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 |
| ≥ 16000 | 33.9 | 48.1 | 52.2 | 53.5 | 56.2 | 56.2 | 56.3 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 | 56.8 |
| ≥ 14000 | 34.2 | 48.4 | 52.5 | 54.1 | 56.7 | 56.7 | 56.8 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| ≥ 12000 | 35.1 | 50.3 | 54.6 | 56.7 | 59.4 | 59.4 | 59.5 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| ≥ 10000 | 36.7 | 54.8 | 60.0 | 62.7 | 65.8 | 66.1 | 66.2 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| ≥ 9000 | 36.7 | 55.1 | 60.3 | 62.9 | 66.2 | 66.5 | 66.6 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 | 67.1 |
| ≥ 8000 | 37.6 | 56.6 | 61.8 | 64.4 | 67.7 | 68.0 | 68.1 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| ≥ 7000 | 38.0 | 57.5 | 62.8 | 65.4 | 68.9 | 69.1 | 69.2 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| ≥ 6000 | 38.2 | 58.4 | 64.4 | 67.1 | 70.8 | 71.0 | 71.1 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| ≥ 5000 | 39.6 | 63.0 | 70.1 | 73.4 | 77.3 | 77.7 | 77.8 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| ≥ 4500 | 40.0 | 63.8 | 70.9 | 74.2 | 78.1 | 78.5 | 78.6 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 |
| ≥ 4000 | 41.0 | 66.1 | 73.4 | 76.7 | 80.6 | 81.0 | 81.3 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| ≥ 3500 | 41.5 | 67.7 | 75.2 | 78.6 | 82.5 | 82.9 | 83.2 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| ≥ 3000 | 42.2 | 69.1 | 76.8 | 80.6 | 84.8 | 85.2 | 85.4 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| ≥ 2500 | 42.4 | 70.6 | 78.6 | 82.9 | 87.2 | 87.6 | 88.0 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| ≥ 2000 | 42.4 | 71.5 | 79.6 | 84.4 | 88.7 | 89.1 | 89.5 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 1800 | 42.4 | 71.5 | 79.6 | 84.4 | 88.7 | 89.1 | 89.5 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 1500 | 42.5 | 72.4 | 80.8 | 86.2 | 90.6 | 91.0 | 91.4 | 92.3 | 92.3 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 1200 | 42.7 | 72.5 | 81.0 | 86.6 | 91.4 | 91.8 | 92.3 | 93.2 | 93.2 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| ≥ 1000 | 42.7 | 72.9 | 81.5 | 87.2 | 92.0 | 92.4 | 93.0 | 94.1 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 900 | 42.7 | 73.0 | 81.6 | 87.3 | 92.3 | 92.7 | 93.4 | 94.4 | 94.4 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 800 | 42.7 | 73.2 | 81.9 | 87.7 | 92.8 | 93.3 | 94.4 | 95.4 | 95.4 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 700 | 42.7 | 73.4 | 82.3 | 88.1 | 93.2 | 93.7 | 94.8 | 95.8 | 95.8 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 600 | 42.7 | 73.4 | 82.5 | 88.6 | 93.7 | 94.4 | 95.6 | 96.6 | 96.6 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 500 | 42.7 | 73.5 | 82.8 | 88.9 | 93.9 | 94.7 | 96.1 | 97.1 | 97.1 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 400 | 42.7 | 73.7 | 82.9 | 89.0 | 94.1 | 94.8 | 96.3 | 97.5 | 97.5 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 300 | 42.7 | 73.7 | 82.9 | 89.0 | 94.2 | 94.9 | 96.5 | 97.6 | 97.6 | 98.5 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 200 | 42.7 | 73.7 | 82.9 | 89.0 | 94.2 | 94.9 | 96.7 | 98.0 | 98.0 | 98.9 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 100 | 42.7 | 73.7 | 82.9 | 89.0 | 94.2 | 94.9 | 96.7 | 98.0 | 98.0 | 98.9 | 99.7 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 0 | 42.7 | 73.7 | 82.9 | 89.0 | 94.2 | 94.9 | 96.7 | 98.0 | 98.0 | 98.9 | 99.7 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 790

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

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

2100-2300 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 39.7 | 54.1 | 57.8 | 59.8 | 62.4 | 62.4 | 63.2 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.4 | 63.4 | 63.6 | 63.7 |
| ≥ 20000 | 41.2 | 56.6 | 60.6 | 63.0 | 65.7 | 65.7 | 66.4 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.7 | 66.7 | 66.8 | 67.0 |
| ≥ 18000 | 41.2 | 56.6 | 60.6 | 63.0 | 65.7 | 65.7 | 66.4 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.7 | 66.7 | 66.8 | 67.0 |
| ≥ 16000 | 41.2 | 56.6 | 60.6 | 63.0 | 65.7 | 65.7 | 66.4 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.7 | 66.7 | 66.8 | 67.0 |
| ≥ 14000 | 41.4 | 57.1 | 61.2 | 64.0 | 66.6 | 66.6 | 67.4 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.6 | 67.6 | 67.8 | 67.9 |
| ≥ 12000 | 41.5 | 57.5 | 61.6 | 64.4 | 67.0 | 67.0 | 67.8 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 68.0 | 68.0 | 68.2 | 68.3 |
| ≥ 10000 | 44.2 | 62.3 | 67.5 | 70.6 | 73.5 | 73.7 | 74.4 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.7 | 74.7 | 74.8 | 75.0 |
| ≥ 9000 | 44.3 | 62.6 | 67.9 | 71.0 | 73.9 | 74.0 | 74.8 | 75.0 | 75.0 | 75.0 | 75.0 | 75.0 | 75.1 | 75.1 | 75.2 | 75.4 |
| ≥ 8000 | 45.1 | 63.4 | 68.8 | 72.0 | 74.8 | 75.0 | 75.8 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 76.0 | 76.0 | 76.1 | 76.3 |
| ≥ 7000 | 45.1 | 63.6 | 68.9 | 72.2 | 75.1 | 75.2 | 76.0 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.3 | 76.3 | 76.4 | 76.6 |
| ≥ 6000 | 45.7 | 64.4 | 69.9 | 73.1 | 76.1 | 76.3 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.3 | 77.3 | 77.5 | 77.6 |
| ≥ 5000 | 46.7 | 67.8 | 74.3 | 77.9 | 81.4 | 81.7 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.7 | 82.7 | 82.8 | 83.0 |
| ≥ 4500 | 46.7 | 67.9 | 74.4 | 78.0 | 81.5 | 81.8 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.8 | 82.8 | 83.0 | 83.1 |
| ≥ 4000 | 46.8 | 68.9 | 75.8 | 79.3 | 82.8 | 83.1 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.3 | 84.4 |
| ≥ 3500 | 47.3 | 69.6 | 76.7 | 80.2 | 83.7 | 84.1 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 | 85.3 | 85.5 |
| ≥ 3000 | 48.1 | 70.6 | 78.0 | 81.7 | 85.2 | 85.6 | 86.4 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.8 | 86.8 | 86.9 | 87.0 |
| ≥ 2500 | 48.2 | 71.4 | 78.8 | 82.4 | 86.0 | 86.4 | 87.2 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.5 | 87.5 | 87.7 | 87.8 |
| ≥ 2000 | 48.4 | 72.5 | 80.2 | 83.9 | 87.8 | 88.2 | 89.0 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.5 | 89.6 |
| ≥ 1800 | 48.4 | 72.5 | 80.2 | 84.0 | 87.9 | 88.5 | 89.3 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.8 | 89.9 |
| ≥ 1500 | 48.8 | 73.3 | 81.4 | 85.2 | 89.3 | 89.8 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 91.0 | 91.0 | 91.1 | 91.2 |
| ≥ 1200 | 49.0 | 73.9 | 82.0 | 85.8 | 89.9 | 90.4 | 91.3 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | 91.9 | 92.0 |
| ≥ 1000 | 49.1 | 74.6 | 82.7 | 86.8 | 91.0 | 91.5 | 92.5 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 93.1 | 93.2 |
| ≥ 900 | 49.1 | 74.7 | 82.8 | 86.9 | 91.2 | 91.7 | 92.8 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.3 | 93.4 |
| ≥ 800 | 49.3 | 75.2 | 83.5 | 87.7 | 92.1 | 92.7 | 93.7 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.2 | 94.4 |
| ≥ 700 | 49.3 | 75.4 | 83.6 | 87.9 | 92.4 | 92.9 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.4 | 94.4 | 94.5 | 94.6 |
| ≥ 600 | 49.3 | 75.8 | 84.1 | 88.5 | 93.3 | 93.8 | 95.0 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.8 | 95.8 | 95.9 | 96.1 |
| ≥ 500 | 49.3 | 76.1 | 84.7 | 89.3 | 94.4 | 94.9 | 96.2 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 97.0 | 97.0 | 97.1 | 97.2 |
| ≥ 400 | 49.3 | 76.3 | 84.9 | 89.5 | 95.0 | 95.5 | 97.4 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 98.2 | 98.2 | 98.3 | 98.4 |
| ≥ 300 | 49.3 | 76.3 | 84.9 | 89.5 | 95.0 | 95.5 | 97.4 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 98.3 | 98.3 | 98.6 | 98.7 |
| ≥ 200 | 49.3 | 76.3 | 84.9 | 89.5 | 95.3 | 95.8 | 97.6 | 98.0 | 98.0 | 98.3 | 98.6 | 98.6 | 99.0 | 99.0 | 99.3 | 99.6 |
| ≥ 100 | 49.3 | 76.3 | 84.9 | 89.5 | 95.3 | 95.8 | 97.6 | 98.0 | 98.0 | 98.3 | 98.6 | 98.6 | 99.1 | 99.2 | 99.6 | 99.9 |
| ≥ 0 | 49.3 | 76.3 | 84.9 | 89.5 | 95.3 | 95.8 | 97.6 | 98.0 | 98.0 | 98.3 | 98.6 | 98.6 | 99.2 | 99.3 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 763

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

2024

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

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

ALL (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 25.2 | 42.5 | 45.3 | 47.6 | 49.9 | 50.4 | 51.1 | 51.3 | 51.3 | 51.6 | 51.7 | 51.7 | 51.7 | 51.7 | 51.8 | 51.8 |
| ≥ 20000 | 26.4 | 47.3 | 50.7 | 53.7 | 56.3 | 56.9 | 57.7 | 58.0 | 58.0 | 58.4 | 58.4 | 58.4 | 58.5 | 58.5 | 58.5 | 58.6 |
| ≥ 18000 | 26.4 | 47.3 | 50.7 | 53.7 | 56.3 | 56.9 | 57.7 | 58.0 | 58.0 | 58.4 | 58.4 | 58.4 | 58.5 | 58.5 | 58.5 | 58.6 |
| ≥ 16000 | 26.4 | 47.3 | 50.7 | 53.7 | 56.3 | 56.9 | 57.7 | 58.1 | 58.1 | 58.4 | 58.4 | 58.4 | 58.5 | 58.5 | 58.6 | 58.6 |
| ≥ 14000 | 26.7 | 48.0 | 51.4 | 54.4 | 57.1 | 57.7 | 58.5 | 58.8 | 58.8 | 59.1 | 59.2 | 59.2 | 59.3 | 59.3 | 59.3 | 59.4 |
| ≥ 12000 | 27.2 | 49.2 | 52.7 | 55.9 | 58.6 | 59.2 | 60.0 | 60.4 | 60.4 | 60.7 | 60.7 | 60.7 | 60.8 | 60.8 | 60.9 | 60.9 |
| ≥ 10000 | 28.3 | 52.2 | 56.2 | 59.7 | 62.5 | 63.1 | 64.1 | 64.4 | 64.4 | 64.7 | 64.8 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 |
| ≥ 9000 | 28.4 | 52.7 | 56.8 | 60.3 | 63.1 | 63.8 | 64.7 | 65.0 | 65.0 | 65.3 | 65.4 | 65.4 | 65.5 | 65.5 | 65.6 | 65.6 |
| ≥ 8000 | 28.8 | 53.7 | 57.7 | 61.3 | 64.2 | 64.8 | 65.8 | 66.1 | 66.1 | 66.4 | 66.5 | 66.5 | 66.6 | 66.6 | 66.7 | 66.7 |
| ≥ 7000 | 28.9 | 54.3 | 58.5 | 62.2 | 65.1 | 65.7 | 66.7 | 67.0 | 67.0 | 67.4 | 67.4 | 67.4 | 67.5 | 67.5 | 67.6 | 67.6 |
| ≥ 6000 | 29.2 | 54.8 | 59.2 | 62.9 | 65.9 | 66.6 | 67.6 | 67.9 | 67.9 | 68.2 | 68.3 | 68.3 | 68.4 | 68.4 | 68.5 | 68.5 |
| ≥ 5000 | 29.7 | 57.2 | 62.1 | 66.1 | 69.3 | 70.0 | 71.1 | 71.4 | 71.4 | 71.8 | 71.8 | 71.8 | 71.9 | 71.9 | 72.0 | 72.0 |
| ≥ 4500 | 30.0 | 58.0 | 63.0 | 67.0 | 70.2 | 71.0 | 72.0 | 72.4 | 72.4 | 72.7 | 72.8 | 72.8 | 72.9 | 72.9 | 73.0 | 73.0 |
| ≥ 4000 | 30.4 | 59.0 | 64.2 | 68.3 | 71.4 | 72.2 | 73.3 | 73.6 | 73.6 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.2 | 74.2 |
| ≥ 3500 | 31.2 | 60.8 | 66.2 | 70.4 | 73.6 | 74.4 | 75.5 | 75.9 | 75.9 | 76.2 | 76.3 | 76.3 | 76.4 | 76.4 | 76.4 | 76.5 |
| ≥ 3000 | 32.1 | 63.0 | 68.7 | 73.2 | 76.6 | 77.3 | 78.5 | 78.9 | 78.9 | 79.2 | 79.3 | 79.3 | 79.4 | 79.4 | 79.5 | 79.5 |
| ≥ 2500 | 32.6 | 64.9 | 70.7 | 75.5 | 79.1 | 79.9 | 81.1 | 81.6 | 81.6 | 81.9 | 82.0 | 82.0 | 82.1 | 82.1 | 82.1 | 82.2 |
| ≥ 2000 | 33.0 | 66.7 | 72.7 | 77.8 | 81.5 | 82.3 | 83.5 | 84.0 | 84.0 | 84.4 | 84.5 | 84.5 | 84.5 | 84.5 | 84.6 | 84.7 |
| ≥ 1800 | 33.1 | 67.0 | 73.1 | 78.2 | 82.0 | 82.9 | 84.1 | 84.6 | 84.6 | 85.0 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.3 |
| ≥ 1500 | 33.4 | 68.4 | 74.8 | 80.3 | 84.2 | 85.2 | 86.6 | 87.1 | 87.1 | 87.5 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.8 |
| ≥ 1200 | 33.6 | 69.2 | 75.8 | 81.4 | 85.5 | 86.5 | 88.0 | 88.6 | 88.6 | 89.0 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.3 |
| ≥ 1000 | 33.7 | 69.9 | 76.6 | 82.3 | 86.6 | 87.6 | 89.1 | 89.7 | 89.7 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.5 |
| ≥ 900 | 33.7 | 70.1 | 76.9 | 82.6 | 87.0 | 88.0 | 89.6 | 90.2 | 90.2 | 90.7 | 90.8 | 90.8 | 90.9 | 90.9 | 91.0 | 91.0 |
| ≥ 800 | 33.7 | 70.5 | 77.3 | 83.2 | 87.7 | 88.8 | 90.6 | 91.2 | 91.2 | 91.7 | 91.8 | 91.8 | 91.9 | 91.9 | 92.0 | 92.0 |
| ≥ 700 | 33.7 | 70.8 | 77.8 | 83.9 | 88.6 | 89.8 | 91.6 | 92.4 | 92.4 | 92.9 | 93.0 | 93.0 | 93.1 | 93.1 | 93.2 | 93.2 |
| ≥ 600 | 33.8 | 71.1 | 78.3 | 84.4 | 89.4 | 90.6 | 92.7 | 93.7 | 93.7 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.5 | 94.6 |
| ≥ 500 | 33.8 | 71.3 | 78.6 | 85.0 | 90.1 | 91.4 | 93.9 | 95.0 | 95.0 | 95.7 | 95.8 | 95.8 | 96.0 | 96.0 | 96.1 | 96.1 |
| ≥ 400 | 33.8 | 71.4 | 78.8 | 85.3 | 90.5 | 92.0 | 94.7 | 96.0 | 96.0 | 96.9 | 97.1 | 97.1 | 97.3 | 97.3 | 97.4 | 97.4 |
| ≥ 300 | 33.8 | 71.4 | 78.8 | 85.3 | 90.7 | 92.1 | 95.0 | 96.3 | 96.4 | 97.4 | 97.8 | 97.8 | 98.0 | 98.0 | 98.1 | 98.2 |
| ≥ 200 | 33.8 | 71.4 | 78.8 | 85.3 | 90.7 | 92.2 | 95.2 | 96.6 | 96.6 | 97.8 | 98.5 | 98.5 | 98.9 | 98.9 | 99.1 | 99.2 |
| ≥ 100 | 33.8 | 71.5 | 78.8 | 85.4 | 90.7 | 92.2 | 95.2 | 96.6 | 96.6 | 97.9 | 98.5 | 98.5 | 99.0 | 99.1 | 99.3 | 99.6 |
| ≥ 0 | 33.8 | 71.5 | 78.8 | 85.4 | 90.7 | 92.2 | 95.2 | 96.6 | 96.6 | 97.9 | 98.5 | 98.5 | 99.1 | 99.1 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 6190

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

...AL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

...246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-80 YEARS | OCT MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

...-2400 HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 39.3 | 50.5 | 50.8 | 51.0 | 53.5 | 53.6 | 53.8 | 54.4 | 54.4 | 54.9 | 55.1 | 55.1 | 55.1 | 55.1 | 55.3 | 55.3 |
| ≥ 20000 | 42.4 | 53.9 | 54.2 | 54.4 | 56.9 | 57.0 | 57.2 | 57.9 | 57.9 | 58.3 | 58.5 | 58.5 | 58.5 | 58.5 | 58.7 | 58.7 |
| ≥ 18000 | 42.4 | 53.9 | 54.2 | 54.4 | 56.9 | 57.0 | 57.2 | 57.9 | 57.9 | 58.3 | 58.5 | 58.5 | 58.5 | 58.5 | 58.7 | 58.7 |
| ≥ 16000 | 42.4 | 53.9 | 54.2 | 54.4 | 56.9 | 57.0 | 57.2 | 57.9 | 57.9 | 58.3 | 58.5 | 58.5 | 58.5 | 58.5 | 58.7 | 58.7 |
| ≥ 14000 | 42.5 | 54.0 | 54.3 | 54.7 | 57.2 | 57.3 | 57.5 | 58.1 | 58.1 | 58.5 | 58.6 | 58.8 | 58.8 | 58.8 | 59.0 | 59.0 |
| ≥ 12000 | 43.1 | 55.3 | 55.5 | 56.0 | 58.4 | 58.5 | 58.7 | 59.4 | 59.4 | 59.8 | 60.1 | 60.1 | 60.1 | 60.1 | 60.2 | 60.2 |
| ≥ 10000 | 45.6 | 58.3 | 58.8 | 59.2 | 61.7 | 61.8 | 62.0 | 62.7 | 62.7 | 63.1 | 63.3 | 63.3 | 63.3 | 63.3 | 63.5 | 63.5 |
| ≥ 9000 | 45.6 | 58.3 | 58.8 | 59.2 | 61.7 | 61.8 | 62.0 | 62.7 | 62.7 | 63.1 | 63.3 | 63.3 | 63.3 | 63.3 | 63.5 | 63.5 |
| ≥ 8000 | 47.3 | 60.3 | 60.9 | 61.6 | 64.0 | 64.2 | 64.3 | 65.0 | 65.0 | 65.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.8 | 65.8 |
| ≥ 7000 | 48.0 | 61.0 | 61.6 | 62.2 | 64.7 | 64.8 | 65.0 | 65.7 | 65.7 | 66.1 | 66.3 | 66.3 | 66.3 | 66.3 | 66.5 | 66.5 |
| ≥ 6000 | 49.8 | 64.0 | 64.6 | 65.3 | 67.7 | 67.9 | 68.0 | 68.7 | 68.7 | 69.1 | 69.4 | 69.4 | 69.4 | 69.4 | 69.5 | 69.5 |
| ≥ 5000 | 52.0 | 67.2 | 68.1 | 68.8 | 71.5 | 71.8 | 72.0 | 72.6 | 72.6 | 73.1 | 73.3 | 73.3 | 73.3 | 73.3 | 73.5 | 73.5 |
| ≥ 4500 | 52.3 | 67.4 | 68.4 | 69.1 | 71.8 | 72.1 | 72.2 | 72.9 | 72.9 | 73.3 | 73.6 | 73.6 | 73.6 | 73.6 | 73.7 | 73.7 |
| ≥ 4000 | 53.5 | 69.6 | 71.1 | 72.4 | 75.1 | 75.4 | 75.5 | 76.2 | 76.2 | 76.6 | 76.9 | 76.9 | 76.9 | 76.9 | 77.0 | 77.0 |
| ≥ 3500 | 54.4 | 71.0 | 72.5 | 73.7 | 76.5 | 76.7 | 76.9 | 77.6 | 77.6 | 78.0 | 78.2 | 78.2 | 78.2 | 78.2 | 78.4 | 78.4 |
| ≥ 3000 | 55.3 | 72.2 | 74.1 | 75.2 | 78.1 | 78.4 | 78.5 | 79.2 | 79.2 | 79.6 | 79.9 | 79.9 | 79.9 | 79.9 | 80.0 | 80.0 |
| ≥ 2500 | 56.4 | 74.4 | 76.2 | 77.6 | 80.7 | 81.0 | 81.3 | 81.9 | 81.9 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 | 82.8 | 82.8 |
| ≥ 2000 | 58.7 | 78.4 | 80.2 | 81.5 | 85.0 | 85.2 | 85.5 | 86.2 | 86.2 | 86.6 | 86.9 | 86.9 | 86.9 | 86.9 | 87.0 | 87.0 |
| ≥ 1800 | 58.8 | 78.5 | 80.3 | 81.7 | 85.1 | 85.4 | 85.6 | 86.3 | 86.3 | 86.7 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 |
| ≥ 1500 | 59.5 | 79.3 | 81.3 | 82.9 | 86.3 | 86.6 | 86.9 | 87.6 | 87.6 | 88.0 | 88.2 | 88.2 | 88.2 | 88.2 | 88.4 | 88.4 |
| ≥ 1200 | 59.6 | 79.8 | 81.8 | 83.4 | 86.9 | 87.3 | 87.6 | 88.2 | 88.2 | 88.6 | 88.9 | 88.9 | 88.9 | 88.9 | 89.1 | 89.1 |
| ≥ 1000 | 59.8 | 80.6 | 83.0 | 85.0 | 88.5 | 88.9 | 89.2 | 89.9 | 89.9 | 90.3 | 90.6 | 90.6 | 90.6 | 90.6 | 90.7 | 90.7 |
| ≥ 900 | 59.8 | 80.6 | 83.0 | 85.0 | 88.5 | 88.9 | 89.2 | 89.9 | 89.9 | 90.3 | 90.6 | 90.6 | 90.6 | 90.6 | 90.7 | 90.7 |
| ≥ 800 | 59.9 | 81.7 | 84.3 | 86.2 | 89.7 | 90.2 | 90.4 | 91.1 | 91.1 | 91.7 | 91.9 | 91.9 | 91.9 | 91.9 | 92.1 | 92.1 |
| ≥ 700 | 59.9 | 82.1 | 84.8 | 86.7 | 90.2 | 90.7 | 91.0 | 91.7 | 91.7 | 92.2 | 92.5 | 92.5 | 92.5 | 92.5 | 92.6 | 92.6 |
| ≥ 600 | 60.1 | 82.5 | 85.4 | 87.6 | 91.4 | 91.9 | 92.2 | 92.9 | 92.9 | 93.4 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 |
| ≥ 500 | 60.1 | 82.9 | 85.8 | 88.2 | 92.3 | 93.0 | 93.3 | 94.0 | 94.0 | 94.5 | 94.8 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 |
| ≥ 400 | 60.1 | 82.9 | 85.8 | 88.5 | 93.0 | 94.4 | 94.8 | 95.6 | 95.6 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.6 | 96.6 |
| ≥ 300 | 60.1 | 82.9 | 85.8 | 88.9 | 93.4 | 95.1 | 95.6 | 96.6 | 96.6 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 |
| ≥ 200 | 60.1 | 82.9 | 85.8 | 88.9 | 93.4 | 95.1 | 95.9 | 96.9 | 96.9 | 97.5 | 97.8 | 97.8 | 97.9 | 97.9 | 98.2 | 98.2 |
| ≥ 100 | 60.1 | 82.9 | 85.8 | 88.9 | 93.4 | 95.1 | 95.9 | 96.9 | 96.9 | 97.5 | 97.9 | 97.9 | 98.4 | 98.4 | 98.8 | 99.0 |
| ≥ 0 | 60.1 | 82.9 | 85.8 | 88.9 | 93.4 | 95.1 | 95.9 | 96.9 | 96.9 | 97.5 | 97.9 | 97.9 | 98.4 | 98.5 | 99.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 731

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

2025

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

13246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

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

0300-0600 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 32.8 | 47.1 | 48.1 | 48.9 | 50.1 | 50.1 | 50.5 | 51.1 | 51.1 | 51.5 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 52.4 |
| ≥ 20000 | 34.8 | 49.5 | 50.5 | 51.3 | 52.6 | 52.6 | 52.9 | 53.6 | 53.6 | 54.0 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.8 |
| ≥ 18000 | 34.8 | 49.5 | 50.5 | 51.3 | 52.6 | 52.6 | 52.9 | 53.6 | 53.6 | 54.0 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.8 |
| ≥ 16000 | 34.8 | 49.5 | 50.5 | 51.3 | 52.6 | 52.6 | 52.9 | 53.6 | 53.6 | 54.0 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.8 |
| ≥ 14000 | 35.1 | 49.9 | 50.9 | 51.9 | 53.2 | 53.2 | 53.6 | 54.2 | 54.2 | 54.6 | 55.0 | 55.0 | 55.0 | 55.0 | 55.0 | 55.1 |
| ≥ 12000 | 35.3 | 51.3 | 52.3 | 53.3 | 54.6 | 54.6 | 55.0 | 55.6 | 55.6 | 56.0 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.5 |
| ≥ 10000 | 38.1 | 54.6 | 55.6 | 57.0 | 58.3 | 58.3 | 58.7 | 59.3 | 59.3 | 59.8 | 60.2 | 60.2 | 60.2 | 60.2 | 60.2 | 60.3 |
| ≥ 9000 | 38.4 | 55.1 | 56.1 | 57.5 | 58.8 | 58.8 | 59.2 | 59.8 | 59.8 | 60.3 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.8 |
| ≥ 8000 | 39.2 | 56.3 | 57.3 | 58.7 | 60.1 | 60.1 | 60.6 | 61.2 | 61.2 | 61.7 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.2 |
| ≥ 7000 | 39.9 | 57.1 | 58.2 | 59.6 | 61.0 | 61.0 | 61.5 | 62.1 | 62.1 | 62.6 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.1 |
| ≥ 6000 | 40.7 | 59.1 | 60.1 | 61.5 | 62.9 | 62.9 | 63.4 | 64.0 | 64.0 | 64.5 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 65.1 |
| ≥ 5000 | 42.5 | 62.4 | 63.4 | 64.9 | 66.6 | 66.8 | 67.3 | 68.0 | 68.0 | 68.5 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 69.0 |
| ≥ 4500 | 43.1 | 63.8 | 64.8 | 66.3 | 68.0 | 68.2 | 68.8 | 69.4 | 69.4 | 69.9 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.4 |
| ≥ 4000 | 43.8 | 64.9 | 66.1 | 67.7 | 69.4 | 69.6 | 70.2 | 70.8 | 70.8 | 71.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.9 |
| ≥ 3500 | 44.9 | 66.8 | 68.0 | 69.6 | 71.3 | 71.7 | 72.2 | 72.8 | 72.8 | 73.5 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 74.0 |
| ≥ 3000 | 45.8 | 68.2 | 69.8 | 71.4 | 73.2 | 73.7 | 74.2 | 74.9 | 74.9 | 75.5 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 76.0 |
| ≥ 2500 | 47.2 | 70.8 | 72.3 | 74.6 | 76.7 | 77.2 | 77.7 | 78.3 | 78.3 | 79.0 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.5 |
| ≥ 2000 | 48.2 | 73.5 | 75.3 | 77.8 | 79.8 | 80.4 | 80.9 | 81.5 | 81.5 | 82.3 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.8 |
| ≥ 1800 | 48.2 | 73.6 | 75.4 | 77.9 | 80.0 | 80.5 | 81.0 | 81.6 | 81.6 | 82.4 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.9 |
| ≥ 1500 | 49.2 | 75.0 | 76.8 | 79.3 | 81.4 | 81.9 | 82.4 | 83.0 | 83.0 | 83.8 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.3 |
| ≥ 1200 | 49.6 | 76.1 | 77.9 | 80.6 | 82.7 | 83.2 | 83.7 | 84.3 | 84.3 | 85.1 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.6 |
| ≥ 1000 | 49.7 | 76.7 | 79.3 | 82.4 | 84.6 | 85.1 | 85.6 | 86.2 | 86.2 | 87.0 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.5 |
| ≥ 900 | 49.9 | 77.4 | 80.1 | 83.2 | 85.3 | 86.0 | 86.5 | 87.1 | 87.1 | 87.9 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.4 |
| ≥ 800 | 50.1 | 77.8 | 80.7 | 84.1 | 86.5 | 87.1 | 87.8 | 88.5 | 88.5 | 89.3 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 |
| ≥ 700 | 50.3 | 78.2 | 81.4 | 84.7 | 87.2 | 87.9 | 88.5 | 89.3 | 89.3 | 90.1 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.7 |
| ≥ 600 | 50.4 | 78.7 | 82.1 | 86.0 | 88.5 | 89.2 | 89.8 | 90.6 | 90.6 | 91.5 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.1 |
| ≥ 500 | 50.5 | 78.8 | 82.5 | 86.7 | 89.3 | 90.1 | 90.8 | 91.6 | 91.6 | 92.5 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.1 |
| ≥ 400 | 50.5 | 78.8 | 82.7 | 87.2 | 90.6 | 91.7 | 92.6 | 93.5 | 93.5 | 94.5 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.2 |
| ≥ 300 | 50.5 | 78.8 | 82.7 | 87.5 | 90.9 | 92.5 | 93.9 | 94.9 | 95.0 | 96.4 | 96.9 | 96.9 | 97.1 | 97.1 | 97.1 | 97.2 |
| ≥ 200 | 50.5 | 78.8 | 82.7 | 87.6 | 91.2 | 92.7 | 94.5 | 95.7 | 95.8 | 97.3 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.5 |
| ≥ 100 | 50.5 | 78.8 | 82.7 | 87.6 | 91.2 | 92.7 | 94.5 | 95.7 | 95.8 | 97.3 | 98.1 | 98.1 | 98.2 | 98.2 | 98.3 | 99.0 |
| ≥ 0 | 50.5 | 78.8 | 82.7 | 87.6 | 91.2 | 92.7 | 94.5 | 95.7 | 95.8 | 97.3 | 98.1 | 98.1 | 98.2 | 98.2 | 98.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 784

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

| 725246 | MANSFIELD LAHM MAP OH | 73-81 | OCT |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

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

0600-0800
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 14.7 | 39.1 | 41.9 | 43.8 | 45.3 | 46.2 | 47.1 | 47.9 | 47.9 | 48.1 | 48.2 | 48.2 | 48.4 | 48.4 | 48.5 | 48.5 |
| ≥ 20000 | 15.7 | 41.9 | 44.7 | 46.8 | 48.7 | 49.6 | 50.6 | 51.5 | 51.5 | 51.6 | 51.7 | 51.7 | 51.9 | 51.9 | 52.1 | 52.1 |
| ≥ 18000 | 15.7 | 41.9 | 44.7 | 46.8 | 48.7 | 49.6 | 50.6 | 51.5 | 51.5 | 51.6 | 51.7 | 51.7 | 51.9 | 51.9 | 52.1 | 52.1 |
| ≥ 16000 | 15.7 | 41.9 | 44.7 | 46.8 | 48.7 | 49.6 | 50.6 | 51.5 | 51.5 | 51.6 | 51.7 | 51.7 | 51.9 | 51.9 | 52.1 | 52.1 |
| ≥ 14000 | 15.9 | 42.4 | 45.3 | 47.5 | 49.3 | 50.2 | 51.2 | 52.1 | 52.1 | 52.2 | 52.3 | 52.3 | 52.5 | 52.5 | 52.7 | 52.7 |
| ≥ 12000 | 16.0 | 43.0 | 45.9 | 48.1 | 49.9 | 50.8 | 51.8 | 52.7 | 52.7 | 52.8 | 52.9 | 52.9 | 53.2 | 53.2 | 53.3 | 53.4 |
| ≥ 10000 | 16.6 | 46.5 | 49.5 | 51.8 | 53.6 | 54.6 | 55.6 | 56.4 | 56.4 | 56.6 | 56.8 | 56.8 | 57.0 | 57.0 | 57.2 | 57.3 |
| ≥ 9000 | 16.7 | 47.3 | 50.4 | 52.7 | 54.6 | 55.6 | 56.6 | 57.4 | 57.4 | 57.5 | 57.8 | 57.8 | 58.0 | 58.0 | 58.1 | 58.3 |
| ≥ 8000 | 17.0 | 48.3 | 51.3 | 53.8 | 55.7 | 56.7 | 57.6 | 58.5 | 58.5 | 58.6 | 58.9 | 58.9 | 59.1 | 59.1 | 59.2 | 59.3 |
| ≥ 7000 | 17.5 | 49.9 | 53.0 | 55.8 | 57.9 | 58.9 | 59.8 | 60.7 | 60.7 | 60.8 | 61.2 | 61.0 | 61.3 | 61.3 | 61.4 | 61.5 |
| ≥ 6000 | 18.6 | 51.9 | 55.1 | 58.0 | 60.2 | 61.2 | 62.1 | 63.0 | 63.0 | 63.1 | 63.3 | 63.3 | 63.6 | 63.6 | 63.7 | 63.8 |
| ≥ 5000 | 19.5 | 55.1 | 58.3 | 61.2 | 63.3 | 64.3 | 65.4 | 66.3 | 66.3 | 66.4 | 66.6 | 66.6 | 66.9 | 66.9 | 67.0 | 67.1 |
| ≥ 4500 | 20.1 | 56.3 | 59.7 | 62.6 | 65.2 | 66.1 | 67.2 | 68.1 | 68.1 | 68.2 | 68.4 | 68.4 | 68.7 | 68.7 | 68.8 | 68.9 |
| ≥ 4000 | 20.1 | 56.9 | 60.3 | 63.2 | 65.8 | 66.7 | 67.8 | 68.7 | 68.7 | 68.8 | 69.1 | 69.1 | 69.3 | 69.3 | 69.4 | 69.5 |
| ≥ 3500 | 20.9 | 59.3 | 62.7 | 65.7 | 68.2 | 69.2 | 70.3 | 71.2 | 71.2 | 71.5 | 71.7 | 71.7 | 72.0 | 72.0 | 72.1 | 72.2 |
| ≥ 3000 | 21.5 | 61.0 | 64.4 | 67.7 | 70.3 | 71.4 | 72.7 | 73.7 | 73.7 | 73.9 | 74.2 | 74.2 | 74.4 | 74.4 | 74.5 | 74.6 |
| ≥ 2500 | 23.1 | 63.7 | 67.2 | 70.8 | 73.3 | 74.4 | 75.8 | 76.8 | 76.8 | 77.1 | 77.3 | 77.3 | 77.5 | 77.5 | 77.7 | 77.8 |
| ≥ 2000 | 23.4 | 64.8 | 68.6 | 72.1 | 74.9 | 76.1 | 77.5 | 78.5 | 78.5 | 78.8 | 79.0 | 79.0 | 79.2 | 79.2 | 79.4 | 79.5 |
| ≥ 1800 | 23.4 | 64.9 | 68.7 | 72.5 | 75.4 | 76.6 | 78.0 | 79.0 | 79.0 | 79.4 | 79.6 | 79.6 | 79.9 | 79.9 | 80.0 | 80.1 |
| ≥ 1500 | 23.5 | 65.9 | 69.8 | 73.8 | 76.8 | 78.0 | 79.7 | 80.7 | 80.7 | 81.1 | 81.3 | 81.3 | 81.6 | 81.6 | 81.7 | 81.8 |
| ≥ 1200 | 23.7 | 66.9 | 70.9 | 75.0 | 78.0 | 79.2 | 80.9 | 82.0 | 82.0 | 82.4 | 82.6 | 82.6 | 82.9 | 82.9 | 83.0 | 83.1 |
| ≥ 1000 | 23.8 | 68.2 | 72.6 | 76.8 | 80.0 | 81.2 | 82.9 | 84.0 | 84.0 | 84.3 | 84.6 | 84.6 | 84.8 | 84.8 | 85.0 | 85.1 |
| ≥ 900 | 23.8 | 68.6 | 73.1 | 77.3 | 80.5 | 81.7 | 83.6 | 84.7 | 84.7 | 85.1 | 85.3 | 85.3 | 85.6 | 85.6 | 85.7 | 85.8 |
| ≥ 800 | 23.8 | 68.8 | 73.3 | 77.7 | 80.8 | 82.2 | 84.1 | 85.2 | 85.2 | 85.6 | 85.8 | 85.8 | 86.0 | 86.0 | 86.2 | 86.3 |
| ≥ 700 | 23.8 | 69.2 | 73.9 | 78.3 | 81.7 | 83.1 | 85.1 | 86.4 | 86.4 | 86.9 | 87.1 | 87.1 | 87.4 | 87.4 | 87.5 | 87.6 |
| ≥ 600 | 23.8 | 69.3 | 74.3 | 79.0 | 82.5 | 84.1 | 86.2 | 87.6 | 87.6 | 88.5 | 88.7 | 88.7 | 89.0 | 89.0 | 89.1 | 89.2 |
| ≥ 500 | 23.9 | 69.5 | 75.0 | 80.0 | 83.7 | 85.4 | 87.6 | 89.2 | 89.2 | 90.2 | 90.5 | 90.5 | 90.8 | 90.8 | 90.9 | 91.0 |
| ≥ 400 | 23.9 | 69.7 | 75.1 | 80.5 | 84.2 | 86.0 | 88.5 | 90.2 | 90.2 | 91.5 | 92.0 | 92.0 | 92.2 | 92.2 | 92.4 | 92.5 |
| ≥ 300 | 23.9 | 69.9 | 75.4 | 81.2 | 85.1 | 87.1 | 89.8 | 91.5 | 91.5 | 93.3 | 94.2 | 94.2 | 94.7 | 94.7 | 94.8 | 94.9 |
| ≥ 200 | 23.9 | 69.9 | 75.4 | 81.3 | 85.3 | 87.7 | 90.4 | 92.4 | 92.4 | 94.7 | 95.8 | 95.8 | 96.4 | 96.6 | 96.8 | 97.2 |
| ≥ 100 | 23.9 | 69.9 | 75.4 | 81.3 | 85.3 | 87.7 | 90.4 | 92.4 | 92.4 | 94.7 | 95.9 | 95.9 | 97.0 | 97.5 | 97.8 | 98.3 |
| ≥ 0 | 23.9 | 69.9 | 75.4 | 81.3 | 85.3 | 87.7 | 90.4 | 92.4 | 92.4 | 94.7 | 95.9 | 95.9 | 97.0 | 97.5 | 97.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 624

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

9202

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

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

0900-1100 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 11.9 | 36.9 | 39.1 | 40.0 | 42.0 | 42.3 | 43.0 | 43.4 | 43.4 | 43.4 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.6 |
| ≥ 20000 | 12.7 | 41.5 | 43.9 | 45.0 | 47.2 | 47.4 | 48.2 | 48.5 | 48.5 | 48.5 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.8 |
| ≥ 18000 | 12.7 | 41.5 | 43.9 | 45.0 | 47.2 | 47.4 | 48.2 | 48.5 | 48.5 | 48.5 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.8 |
| ≥ 16000 | 12.7 | 41.5 | 43.9 | 45.0 | 47.2 | 47.4 | 48.2 | 48.5 | 48.5 | 48.5 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.8 |
| ≥ 14000 | 13.3 | 42.4 | 44.7 | 45.8 | 48.0 | 48.3 | 49.0 | 49.4 | 49.4 | 49.4 | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 | 49.6 |
| ≥ 12000 | 13.0 | 43.4 | 45.8 | 47.1 | 49.3 | 49.5 | 50.2 | 50.7 | 50.7 | 50.7 | 50.9 | 50.9 | 50.9 | 50.9 | 50.9 | 51.0 |
| ≥ 10000 | 13.1 | 44.9 | 47.3 | 48.9 | 51.1 | 51.3 | 52.2 | 52.7 | 52.7 | 52.7 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.9 |
| ≥ 9000 | 13.2 | 45.6 | 48.0 | 49.6 | 51.8 | 52.1 | 52.9 | 53.4 | 53.4 | 53.4 | 53.6 | 53.6 | 53.6 | 53.6 | 53.6 | 53.7 |
| ≥ 8000 | 14.0 | 47.9 | 50.4 | 52.0 | 54.2 | 54.4 | 55.3 | 55.8 | 55.8 | 55.8 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 56.0 |
| ≥ 7000 | 14.5 | 49.6 | 52.2 | 53.8 | 56.6 | 56.9 | 57.7 | 58.2 | 58.2 | 58.2 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.5 |
| ≥ 6000 | 14.6 | 50.9 | 53.4 | 55.0 | 57.8 | 58.2 | 59.1 | 59.6 | 59.6 | 59.6 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.8 |
| ≥ 5000 | 15.0 | 51.8 | 54.4 | 56.0 | 58.8 | 59.3 | 60.2 | 60.7 | 60.7 | 60.7 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.9 |
| ≥ 4500 | 15.1 | 52.9 | 56.1 | 57.7 | 60.5 | 6 .2 | 62.0 | 62.5 | 62.5 | 62.5 | 62.6 | 62.6 | 62.6 | 62.6 | 62.6 | 62.7 |
| ≥ 4000 | 15.2 | 53.7 | 56.9 | 58.5 | 61.3 | 61.9 | 62.7 | 63.2 | 63.2 | 63.2 | 63.4 | 63.4 | 63.4 | 63.4 | 63.4 | 63.5 |
| ≥ 3500 | 15.9 | 55.6 | 58.8 | 60.7 | 63.6 | 64.2 | 65.1 | 65.6 | 65.6 | 65.6 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.8 |
| ≥ 3000 | 17.6 | 59.4 | 62.7 | 64.8 | 67.9 | 68.5 | 69.4 | 69.9 | 69.9 | 69.9 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.1 |
| ≥ 2500 | 19.9 | 63.1 | 66.7 | 69.0 | 72.1 | 72.7 | 73.5 | 74.0 | 74.0 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.3 |
| ≥ 2000 | 21.3 | 65.4 | 69.5 | 71.8 | 74.9 | 75.5 | 76.3 | 76.8 | 76.8 | 76.8 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.1 |
| ≥ 1800 | 21.9 | 67.0 | 71.2 | 73.5 | 76.7 | 77.3 | 78.2 | 78.7 | 78.7 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.9 |
| ≥ 1500 | 22.8 | 70.1 | 74.5 | 76.8 | 80.1 | 80.8 | 81.7 | 82.2 | 82.2 | 82.2 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.5 |
| ≥ 1200 | 22.8 | 71.2 | 75.6 | 78.2 | 82.0 | 82.6 | 83.6 | 84.1 | 84.1 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.3 |
| ≥ 1000 | 22.8 | 71.7 | 76.2 | 78.9 | 83.1 | 83.8 | 84.9 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.7 | 85.7 | 85.8 |
| ≥ 900 | 22.8 | 72.2 | 76.7 | 79.5 | 83.8 | 84.6 | 85.8 | 86.3 | 86.3 | 86.3 | 86.4 | 86.4 | 86.5 | 86.5 | 86.5 | 86.6 |
| ≥ 800 | 22.8 | 72.4 | 77.0 | 79.9 | 84.2 | 85.2 | 86.4 | 87.1 | 87.1 | 87.6 | 87.7 | 87.7 | 87.9 | 87.9 | 87.9 | 88.0 |
| ≥ 700 | 22.8 | 72.9 | 77.6 | 80.6 | 85.3 | 86.3 | 88.0 | 89.1 | 89.1 | 89.6 | 89.8 | 89.8 | 90.0 | 90.0 | 90.0 | 90.1 |
| ≥ 600 | 22.8 | 73.0 | 77.7 | 81.0 | 85.9 | 87.4 | 89.2 | 90.4 | 90.4 | 90.9 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.5 |
| ≥ 500 | 22.8 | 73.7 | 78.6 | 82.2 | 87.3 | 88.7 | 90.8 | 92.5 | 92.5 | 93.0 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.6 |
| ≥ 400 | 22.8 | 73.9 | 78.9 | 82.8 | 88.1 | 89.7 | 92.2 | 94.4 | 94.4 | 95.1 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.7 |
| ≥ 300 | 22.8 | 73.9 | 78.9 | 82.8 | 88.1 | 89.7 | 92.5 | 95.1 | 95.1 | 96.6 | 96.9 | 96.9 | 97.1 | 97.1 | 97.1 | 97.2 |
| ≥ 200 | 22.8 | 73.9 | 78.9 | 82.8 | 88.2 | 90.0 | 93.1 | 95.7 | 95.7 | 97.4 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 | 98.9 |
| ≥ 100 | 22.8 | 73.9 | 78.9 | 82.8 | 88.2 | 90.0 | 93.1 | 95.7 | 95.7 | 97.5 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 99.5 |
| ≥ 0 | 22.8 | 73.9 | 78.9 | 82.8 | 88.2 | 90.0 | 93.1 | 95.7 | 95.7 | 97.5 | 98.7 | 98.7 | 99.1 | 99.1 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 816

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

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

1200-1400 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 14.8 | 36.4 | 38.1 | 38.4 | 39.0 | 39.1 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 | 39.2 |
| ≥ 20000 | 16.7 | 42.5 | 44.5 | 44.7 | 45.5 | 45.6 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 18000 | 16.7 | 42.5 | 44.5 | 44.7 | 45.5 | 45.6 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 16000 | 16.7 | 42.5 | 44.5 | 44.7 | 45.5 | 45.6 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 | 45.7 |
| ≥ 14000 | 17.0 | 43.0 | 45.0 | 45.2 | 46.0 | 46.1 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 |
| ≥ 12000 | 17.0 | 43.9 | 46.0 | 46.2 | 46.9 | 47.1 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 | 47.2 |
| ≥ 10000 | 17.5 | 46.2 | 48.3 | 48.7 | 49.4 | 49.5 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| ≥ 9000 | 17.8 | 46.9 | 49.0 | 49.4 | 50.1 | 50.2 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| ≥ 8000 | 18.5 | 48.4 | 50.5 | 51.0 | 51.7 | 51.8 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 | 52.0 |
| ≥ 7000 | 18.6 | 48.8 | 50.9 | 51.3 | 52.2 | 52.3 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 |
| ≥ 6000 | 18.6 | 49.1 | 51.3 | 51.8 | 52.7 | 52.8 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| ≥ 5000 | 18.9 | 50.5 | 52.7 | 53.4 | 54.3 | 54.4 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 | 54.5 |
| ≥ 4500 | 19.8 | 53.1 | 55.4 | 56.2 | 57.1 | 57.2 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| ≥ 4000 | 20.3 | 53.9 | 56.2 | 57.1 | 57.9 | 58.1 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 | 58.2 |
| ≥ 3500 | 23.6 | 59.8 | 62.2 | 63.1 | 63.9 | 64.1 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 | 64.2 |
| ≥ 3000 | 25.8 | 64.2 | 66.6 | 67.5 | 68.3 | 68.5 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 | 68.6 |
| ≥ 2500 | 29.6 | 73.1 | 75.7 | 76.7 | 77.5 | 77.6 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| ≥ 2000 | 31.4 | 77.6 | 80.3 | 81.5 | 82.4 | 82.5 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| ≥ 1800 | 31.4 | 78.6 | 81.5 | 82.8 | 83.7 | 83.9 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| ≥ 1500 | 32.3 | 80.8 | 84.1 | 85.3 | 86.6 | 86.7 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| ≥ 1200 | 32.4 | 81.9 | 85.2 | 86.8 | 88.3 | 88.5 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 1000 | 32.5 | 83.0 | 86.3 | 88.0 | 89.6 | 90.0 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| ≥ 900 | 32.5 | 83.3 | 86.8 | 88.5 | 90.1 | 90.6 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 800 | 32.5 | 83.7 | 87.3 | 89.0 | 90.8 | 91.6 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 700 | 32.5 | 83.9 | 87.4 | 89.5 | 91.6 | 92.7 | 93.4 | 93.6 | 93.6 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 600 | 32.5 | 84.4 | 88.1 | 90.5 | 92.7 | 93.8 | 94.7 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 500 | 32.5 | 84.5 | 88.3 | 90.6 | 92.9 | 94.0 | 95.4 | 96.1 | 96.1 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 400 | 32.5 | 84.5 | 88.3 | 90.6 | 93.3 | 94.6 | 96.5 | 97.7 | 97.7 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 300 | 32.5 | 84.6 | 88.4 | 90.7 | 93.5 | 94.9 | 96.7 | 97.9 | 97.9 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 200 | 32.5 | 84.6 | 88.4 | 90.7 | 93.5 | 94.9 | 96.9 | 98.3 | 98.3 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| ≥ 100 | 32.5 | 84.6 | 88.4 | 90.7 | 93.5 | 94.9 | 96.9 | 98.4 | 98.4 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 0 | 32.5 | 84.6 | 88.4 | 90.7 | 93.5 | 94.9 | 96.9 | 98.4 | 98.4 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 818

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

2027

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 19.7 | 42.2 | 42.7 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| ≥ 20000 | 22.3 | 48.5 | 49.1 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49. | 49.9 |
| ≥ 18000 | 22.3 | 48.6 | 49.2 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 | 50.1 |
| ≥ 16000 | 22.5 | 48.7 | 49.3 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 | 50.2 |
| ≥ 14000 | 22.5 | 49.2 | 49.8 | 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 |
| ≥ 12000 | 22.6 | 50.1 | 50.7 | 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 |
| ≥ 10000 | 23.0 | 53.2 | 54.0 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 | 54.8 |
| ≥ 9000 | 23.6 | 54.1 | 54.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 8000 | 23.9 | 55.4 | 56.2 | 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 |
| ≥ 7000 | 24.4 | 57.1 | 57.9 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| ≥ 6000 | 24.2 | 57.9 | 58.6 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| ≥ 5000 | 26.0 | 60.8 | 61.7 | 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 |
| ≥ 4500 | 27.8 | 64.3 | 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 |
| ≥ 4000 | 28.2 | 65.3 | 66.2 | 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 |
| ≥ 3500 | 30.3 | 68.7 | 69.7 | 71.1 | 71.1 | 71.1 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| ≥ 3000 | 31.6 | 72.6 | 73.7 | 75.1 | 75.3 | 75.3 | 75.6 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 | 75.7 |
| ≥ 2500 | 34.3 | 78.0 | 79.6 | 81.3 | 81.7 | 81.7 | 81.9 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| ≥ 2000 | 35.3 | 82.2 | 84.1 | 86.3 | 86.7 | 86.7 | 86.9 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 1800 | 35.4 | 83.0 | 85.0 | 87.4 | 87.8 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 1500 | 36.1 | 85.1 | 87.5 | 90.2 | 90.7 | 90.8 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 1200 | 36.1 | 86.4 | 88.9 | 91.6 | 92.2 | 92.3 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 1000 | 36.1 | 86.7 | 89.1 | 92.1 | 92.9 | 93.0 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 900 | 36.1 | 86.8 | 89.5 | 92.4 | 93.3 | 93.4 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 800 | 36.1 | 86.9 | 89.6 | 92.7 | 93.5 | 93.7 | 94.3 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 700 | 36.1 | 87.1 | 89.7 | 92.9 | 93.9 | 94.0 | 94.9 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 600 | 36.1 | 87.1 | 89.7 | 93.3 | 94.6 | 94.7 | 95.6 | 95.7 | 95.7 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 500 | 36.1 | 87.1 | 90.1 | 94.0 | 95.5 | 95.7 | 96.7 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 400 | 36.1 | 87.1 | 90.1 | 94.1 | 95.7 | 96.0 | 96.9 | 97.3 | 97.3 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 300 | 36.1 | 87.1 | 90.1 | 94.1 | 95.7 | 96.0 | 97.3 | 97.8 | 97.8 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 200 | 36.1 | 87.1 | 90.1 | 94.1 | 95.7 | 96.0 | 97.3 | 97.8 | 97.8 | 98.8 | 99.0 | 99.0 | 99.3 | 99.3 | 99.4 | 99.4 |
| ≥ 100 | 36.1 | 87.1 | 90.1 | 94.1 | 95.7 | 96.0 | 97.3 | 97.8 | 97.8 | 98.9 | 99.1 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 |
| ≥ 0 | 36.1 | 87.1 | 90.1 | 94.1 | 95.7 | 96.0 | 97.3 | 97.8 | 97.8 | 98.9 | 99.1 | 99.1 | 99.5 | 99.6 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 819

USAF ETAC FORM AWS 80 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

720246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

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

1800-2000 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 33.9 | 46.4 | 47.9 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| ≥ 20000 | 35.9 | 50.6 | 52.2 | 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 |
| ≥ 18000 | 35.9 | 50.6 | 52.2 | 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 |
| ≥ 16000 | 36.0 | 50.7 | 52.3 | 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 |
| ≥ 14000 | 36.3 | 51.0 | 52.5 | 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 |
| ≥ 12000 | 36.9 | 51.7 | 53.5 | 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 |
| ≥ 10000 | 38.8 | 54.9 | 56.7 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 | 58.4 |
| ≥ 9000 | 39.0 | 55.1 | 56.9 | 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 |
| ≥ 8000 | 40.2 | 57.9 | 60.0 | 61.7 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 | 61.8 |
| ≥ 7000 | 40.9 | 59.3 | 61.4 | 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 |
| ≥ 6000 | 42.1 | 61.8 | 64.0 | 65.7 | 65.8 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 |
| ≥ 5000 | 45.9 | 66.7 | 69.1 | 70.9 | 71.2 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| ≥ 4500 | 46.7 | 68.0 | 70.4 | 72.2 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| ≥ 4000 | 49.4 | 72.0 | 74.5 | 76.3 | 76.7 | 76.8 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| ≥ 3500 | 51.5 | 74.5 | 77.1 | 79.0 | 79.5 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| ≥ 3000 | 52.4 | 76.6 | 79.5 | 81.7 | 82.6 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| ≥ 2500 | 55.0 | 80.5 | 83.9 | 86.0 | 87.0 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| ≥ 2000 | 55.8 | 81.8 | 85.7 | 88.3 | 89.4 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 1800 | 56.3 | 82.3 | 86.2 | 88.8 | 89.9 | 90.0 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| ≥ 1500 | 56.6 | 83.0 | 87.0 | 89.9 | 91.0 | 91.3 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 1200 | 56.6 | 83.5 | 87.6 | 90.5 | 91.7 | 92.0 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 1000 | 56.6 | 84.0 | 88.5 | 91.5 | 92.7 | 93.0 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 900 | 56.6 | 84.1 | 88.6 | 91.7 | 93.1 | 93.3 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 800 | 56.6 | 84.1 | 88.7 | 92.1 | 93.6 | 93.8 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 700 | 56.6 | 84.2 | 89.1 | 92.7 | 94.2 | 94.4 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 600 | 56.6 | 84.2 | 89.2 | 93.1 | 95.3 | 95.5 | 96.0 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 500 | 56.6 | 84.2 | 89.4 | 93.6 | 95.8 | 96.0 | 96.6 | 96.8 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 400 | 56.6 | 84.2 | 89.4 | 93.9 | 96.1 | 96.4 | 97.3 | 97.6 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 300 | 56.6 | 84.3 | 89.6 | 94.1 | 96.2 | 96.5 | 97.8 | 98.3 | 98.3 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 200 | 56.6 | 84.3 | 89.6 | 94.1 | 96.2 | 96.5 | 97.9 | 98.4 | 98.4 | 98.9 | 99.2 | 99.2 | 99.5 | 99.5 | 99.6 | 99.6 |
| ≥ 100 | 56.6 | 84.3 | 89.6 | 94.1 | 96.2 | 96.5 | 97.9 | 98.4 | 98.4 | 99.0 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 |
| ≥ 0 | 56.6 | 84.3 | 89.6 | 94.1 | 96.2 | 96.5 | 97.9 | 98.4 | 98.4 | 99.0 | 99.3 | 99.3 | 99.6 | 99.6 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 824

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2028

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

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

2100-2300 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 41.2 | 51.1 | 51.8 | 53.2 | 54.0 | 54.1 | 54.5 | 54.5 | 54.5 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| ≥ 20000 | 43.0 | 53.1 | 53.9 | 55.3 | 56.0 | 56.1 | 56.5 | 56.5 | 56.5 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| ≥ 18000 | 43.0 | 53.1 | 53.9 | 55.3 | 56.0 | 56.1 | 56.5 | 56.5 | 56.5 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| ≥ 16000 | 43.0 | 53.1 | 53.9 | 55.3 | 56.0 | 56.1 | 56.5 | 56.5 | 56.5 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| ≥ 14000 | 43.5 | 53.9 | 54.6 | 56.0 | 56.8 | 56.9 | 57.3 | 57.3 | 57.3 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 |
| ≥ 12000 | 44.4 | 55.4 | 56.1 | 57.5 | 58.4 | 58.6 | 58.9 | 58.9 | 58.9 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 |
| ≥ 10000 | 46.0 | 57.4 | 58.2 | 59.6 | 60.5 | 60.6 | 61.0 | 61.0 | 61.0 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 | 61.1 |
| ≥ 9000 | 46.0 | 57.5 | 58.3 | 59.7 | 60.6 | 60.7 | 61.1 | 61.1 | 61.1 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| ≥ 8000 | 47.9 | 60.6 | 61.3 | 62.9 | 63.8 | 63.9 | 64.3 | 64.3 | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| ≥ 7000 | 48.3 | 61.5 | 62.2 | 63.8 | 64.6 | 64.8 | 65.1 | 65.1 | 65.1 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| ≥ 6000 | 50.4 | 64.6 | 65.4 | 66.9 | 67.8 | 67.9 | 68.3 | 68.3 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| ≥ 5000 | 53.9 | 69.6 | 70.5 | 72.1 | 73.1 | 73.3 | 73.8 | 73.8 | 73.8 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 | 73.9 |
| ≥ 4500 | 54.3 | 69.7 | 70.6 | 72.4 | 73.4 | 73.5 | 74.0 | 74.0 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| ≥ 4000 | 55.5 | 72.4 | 73.3 | 75.2 | 76.3 | 76.4 | 76.9 | 76.9 | 76.9 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 | 77.1 |
| ≥ 3500 | 57.4 | 74.8 | 75.7 | 77.6 | 78.7 | 78.8 | 79.3 | 79.3 | 79.3 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| ≥ 3000 | 58.0 | 76.4 | 77.3 | 79.6 | 80.7 | 80.9 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| ≥ 2500 | 59.6 | 79.1 | 80.0 | 82.3 | 83.4 | 83.5 | 84.0 | 84.2 | 84.2 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| ≥ 2000 | 60.8 | 81.5 | 82.6 | 85.4 | 86.8 | 86.9 | 87.5 | 87.6 | 87.6 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 1800 | 61.0 | 82.0 | 83.1 | 85.9 | 87.6 | 87.7 | 88.2 | 88.3 | 88.3 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| ≥ 1500 | 62.0 | 83.9 | 85.3 | 88.3 | 90.0 | 90.1 | 90.6 | 90.7 | 90.7 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 1200 | 62.1 | 84.3 | 85.9 | 89.0 | 90.6 | 90.7 | 91.3 | 91.4 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 1000 | 62.1 | 84.7 | 86.4 | 89.6 | 91.5 | 91.6 | 92.1 | 92.3 | 92.3 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 900 | 62.1 | 84.8 | 86.6 | 89.7 | 91.8 | 91.9 | 92.4 | 92.5 | 92.5 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 800 | 62.1 | 85.0 | 87.3 | 90.6 | 92.6 | 92.8 | 93.3 | 93.4 | 93.4 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 700 | 62.1 | 85.0 | 87.3 | 90.7 | 92.8 | 92.9 | 93.4 | 93.5 | 93.5 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 600 | 62.1 | 85.2 | 87.5 | 91.0 | 93.0 | 93.2 | 93.7 | 93.8 | 93.8 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 500 | 62.1 | 85.6 | 87.8 | 91.6 | 93.8 | 94.0 | 94.6 | 94.7 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 400 | 62.1 | 85.6 | 88.0 | 91.9 | 94.9 | 95.4 | 96.3 | 96.6 | 96.6 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 300 | 62.1 | 85.8 | 88.3 | 92.3 | 95.8 | 96.3 | 97.5 | 97.8 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 200 | 62.1 | 85.8 | 88.3 | 92.3 | 95.8 | 96.5 | 97.6 | 98.1 | 98.1 | 98.5 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 100 | 62.1 | 85.8 | 88.3 | 92.3 | 95.8 | 96.5 | 97.6 | 98.1 | 98.1 | 98.5 | 98.7 | 98.7 | 98.9 | 98.9 | 99.0 | 99.0 |
| ≥ 0 | 62.1 | 85.8 | 88.3 | 92.3 | 95.8 | 96.5 | 97.6 | 98.1 | 98.1 | 98.5 | 98.7 | 98.7 | 99.0 | 99.2 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 789

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

7[illegible]246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 25.7 | 43.6 | 44.9 | 45.9 | 47.0 | 47.2 | 47.5 | 47.9 | 47.9 | 48.0 | 48.1 | 48.1 | 48.1 | 48.1 | 48.1 | 46.2 |
| ≥ 20000 | 27.7 | 47.6 | 49.0 | 50.1 | 51.2 | 51.4 | 51.8 | 52.1 | 52.1 | 52.2 | 52.3 | 52.3 | 52.3 | 52.3 | 52.4 | 52.4 |
| ≥ 18000 | 27.7 | 47.6 | 49.0 | 50.1 | 51.2 | 51.4 | 51.8 | 52.1 | 52.1 | 52.2 | 52.3 | 52.3 | 52.4 | 52.4 | 52.4 | 52.4 |
| ≥ 16000 | 27.7 | 47.6 | 49.1 | 50.1 | 51.3 | 51.5 | 51.8 | 52.1 | 52.1 | 52.3 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.5 |
| ≥ 14000 | 27.9 | 48.1 | 49.6 | 50.7 | 51.8 | 52.0 | 52.4 | 52.7 | 52.7 | 52.8 | 52.9 | 52.9 | 52.9 | 52.9 | 53.0 | 53.0 |
| ≥ 12000 | 28.2 | 49.1 | 50.6 | 51.8 | 52.9 | 53.1 | 53.5 | 53.8 | 53.8 | 53.9 | 54.0 | 54.0 | 54.1 | 54.1 | 54.1 | 54.1 |
| ≥ 10000 | 29.5 | 51.9 | 53.4 | 54.7 | 55.9 | 56.1 | 56.4 | 56.8 | 56.8 | 56.9 | 57.0 | 57.0 | 57.0 | 57.0 | 57.1 | 57.1 |
| ≥ 9000 | 29.7 | 52.4 | 54.1 | 55.2 | 56.4 | 56.6 | 57.0 | 57.3 | 57.3 | 57.4 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.7 |
| ≥ 8000 | 30.6 | 54.3 | 55.9 | 57.3 | 58.5 | 58.7 | 59.0 | 59.4 | 59.4 | 59.5 | 59.6 | 59.6 | 59.7 | 59.7 | 59.7 | 59.7 |
| ≥ 7000 | 31.1 | 55.4 | 57.1 | 58.5 | 59.8 | 60.0 | 60.4 | 60.7 | 60.7 | 60.9 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.1 |
| ≥ 6000 | 32.0 | 57.3 | 59.0 | 60.4 | 61.7 | 62.0 | 62.3 | 62.7 | 62.7 | 62.8 | 62.9 | 62.9 | 63.0 | 63.0 | 63.0 | 63.0 |
| ≥ 5000 | 33.8 | 60.4 | 62.1 | 63.7 | 65.1 | 65.4 | 65.8 | 66.1 | 66.1 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.5 |
| ≥ 4500 | 34.5 | 61.8 | 63.7 | 65.3 | 66.8 | 67.1 | 67.5 | 67.8 | 67.8 | 68.0 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.2 |
| ≥ 4000 | 35.4 | 63.5 | 65.5 | 67.1 | 68.6 | 68.9 | 69.4 | 69.7 | 69.7 | 69.8 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.1 |
| ≥ 3500 | 37.0 | 66.2 | 68.3 | 70.0 | 71.5 | 71.8 | 72.3 | 72.6 | 72.6 | 72.8 | 72.9 | 72.9 | 72.9 | 72.9 | 73.0 | 73.0 |
| ≥ 3000 | 38.2 | 68.8 | 71.0 | 72.8 | 74.5 | 74.9 | 75.3 | 75.7 | 75.7 | 75.9 | 76.0 | 76.0 | 76.0 | 76.0 | 76.1 | 76.1 |
| ≥ 2500 | 40.3 | 72.8 | 75.2 | 77.3 | 79.0 | 79.4 | 79.9 | 80.3 | 80.3 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.7 |
| ≥ 2000 | 41.5 | 75.6 | 78.3 | 80.6 | 82.5 | 82.8 | 83.4 | 83.7 | 83.7 | 83.9 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.2 |
| ≥ 1800 | 41.7 | 76.2 | 78.9 | 81.3 | 83.2 | 83.6 | 84.2 | 84.5 | 84.5 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 85.0 |
| ≥ 1500 | 42.4 | 77.9 | 80.8 | 83.3 | 85.4 | 85.8 | 86.4 | 86.8 | 86.8 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.2 | 87.2 |
| ≥ 1200 | 42.5 | 78.7 | 81.7 | 84.4 | 86.5 | 87.0 | 87.6 | 88.0 | 88.0 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.5 |
| ≥ 1000 | 42.6 | 79.4 | 82.7 | 85.5 | 87.9 | 88.3 | 89.0 | 89.4 | 89.4 | 89.6 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 |
| ≥ 900 | 42.6 | 79.7 | 83.1 | 85.9 | 88.3 | 88.8 | 89.5 | 89.9 | 89.9 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 |
| ≥ 800 | 42.6 | 80.0 | 83.5 | 86.5 | 89.0 | 89.5 | 90.3 | 90.8 | 90.8 | 91.1 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 |
| ≥ 700 | 42.7 | 80.3 | 83.9 | 87.0 | 89.6 | 90.2 | 91.1 | 91.7 | 91.7 | 92.1 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 600 | 42.7 | 80.5 | 84.2 | 87.7 | 90.5 | 91.2 | 92.2 | 92.8 | 92.8 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.5 | 93.6 |
| ≥ 500 | 42.7 | 80.7 | 84.7 | 88.4 | 91.3 | 92.1 | 93.2 | 94.0 | 94.0 | 94.5 | 94.7 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 |
| ≥ 400 | 42.7 | 80.8 | 84.8 | 88.7 | 92.0 | 93.0 | 94.4 | 95.4 | 95.4 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 |
| ≥ 300 | 42.7 | 80.9 | 84.9 | 88.9 | 92.3 | 93.5 | 95.1 | 96.2 | 96.3 | 97.2 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.7 |
| ≥ 200 | 42.7 | 80.9 | 84.9 | 89.0 | 92.4 | 93.6 | 95.5 | 96.6 | 96.7 | 97.8 | 98.3 | 98.3 | 98.5 | 98.6 | 98.7 | 98.8 |
| ≥ 100 | 42.7 | 80.9 | 84.9 | 89.0 | 92.4 | 93.6 | 95.5 | 96.7 | 96.7 | 97.8 | 98.4 | 98.4 | 98.8 | 98.9 | 99.0 | 99.3 |
| ≥ 0 | 42.7 | 80.9 | 84.9 | 89.0 | 92.4 | 93.6 | 95.5 | 96.7 | 96.7 | 97.8 | 98.4 | 98.4 | 98.8 | 99.0 | 99.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 6405

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

2029

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-80 (YEARS) NOV (MONTH)

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

0000-0200 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 30.4 | 35.8 | 37.2 | 37.2 | 37.2 | 37.2 | 37.5 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.8 | 37.3 |
| ≥ 20000 | 33.2 | 39.0 | 40.5 | 40.5 | 40.5 | 40.5 | 40.7 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 41.0 | 41.0 |
| ≥ 18000 | 33.2 | 39.0 | 40.5 | 40.5 | 40.5 | 40.5 | 40.7 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 41.0 | 41.0 |
| ≥ 16000 | 33.2 | 39.0 | 40.5 | 40.5 | 40.5 | 40.5 | 40.7 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 41.0 | 41.0 |
| ≥ 14000 | 33.7 | 40.2 | 41.6 | 41.6 | 41.6 | 41.6 | 41.9 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.1 | 42.1 |
| ≥ 12000 | 33.8 | 41.0 | 42.4 | 42.4 | 42.4 | 42.4 | 42.7 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 43.0 | 43.0 |
| ≥ 10000 | 35.5 | 44.7 | 46.3 | 46.3 | 46.3 | 46.3 | 46.5 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.8 | 46.8 |
| ≥ 9000 | 35.6 | 44.8 | 46.4 | 46.4 | 46.4 | 46.4 | 46.7 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 47.0 | 47.0 |
| ≥ 8000 | 36.4 | 46.0 | 47.5 | 47.5 | 47.5 | 47.5 | 47.8 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 47.9 | 48.1 | 48.1 |
| ≥ 7000 | 37.5 | 47.1 | 48.7 | 48.7 | 48.7 | 48.7 | 48.9 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.1 | 49.2 | 49.2 |
| ≥ 6000 | 38.6 | 49.1 | 50.9 | 50.9 | 50.9 | 50.9 | 51.2 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.3 | 51.5 | 51.5 |
| ≥ 5000 | 42.3 | 54.5 | 56.9 | 57.0 | 57.0 | 57.0 | 57.3 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.4 | 57.6 | 57.6 |
| ≥ 4500 | 42.1 | 54.7 | 57.1 | 57.3 | 57.3 | 57.3 | 57.6 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.7 | 57.9 | 57.9 |
| ≥ 4000 | 43.7 | 57.3 | 60.1 | 60.3 | 60.3 | 60.3 | 60.5 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.7 | 60.8 | 60.8 |
| ≥ 3500 | 45.1 | 59.7 | 62.9 | 63.2 | 63.2 | 63.2 | 63.8 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 64.1 | 64.1 |
| ≥ 3000 | 46.0 | 61.2 | 64.8 | 65.5 | 65.5 | 65.5 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.3 | 66.3 |
| ≥ 2500 | 48.2 | 64.1 | 67.6 | 68.3 | 68.3 | 68.3 | 68.9 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.2 | 69.2 |
| ≥ 2000 | 51.5 | 68.6 | 72.4 | 73.3 | 73.4 | 73.4 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.3 | 74.3 |
| ≥ 1800 | 52.2 | 69.3 | 73.1 | 74.0 | 74.1 | 74.1 | 74.7 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 75.0 | 75.0 |
| ≥ 1500 | 55.2 | 74.0 | 78.1 | 79.2 | 79.5 | 79.5 | 80.2 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.5 | 80.5 |
| ≥ 1200 | 55.9 | 75.4 | 79.6 | 80.8 | 81.0 | 81.0 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 82.0 | 82.0 |
| ≥ 1000 | 56.7 | 79.2 | 83.9 | 85.0 | 85.3 | 85.4 | 86.1 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.4 | 86.4 |
| ≥ 900 | 56.7 | 79.3 | 84.2 | 85.3 | 85.6 | 85.7 | 86.4 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.7 | 86.7 |
| ≥ 800 | 57.0 | 80.3 | 85.1 | 86.7 | 87.0 | 87.1 | 87.8 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 |
| ≥ 700 | 57.0 | 80.9 | 85.9 | 87.6 | 87.8 | 88.0 | 88.7 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.3 | 89.3 |
| ≥ 600 | 57.1 | 82.9 | 88.0 | 90.2 | 90.9 | 91.1 | 91.8 | 92.2 | 92.2 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.6 | 92.6 |
| ≥ 500 | 57.1 | 83.3 | 89.0 | 92.1 | 93.2 | 93.6 | 94.6 | 95.0 | 95.0 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.5 | 95.5 |
| ≥ 400 | 57.1 | 83.5 | 89.4 | 92.8 | 94.6 | 95.2 | 96.6 | 97.2 | 97.2 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 |
| ≥ 300 | 57.1 | 83.6 | 89.5 | 92.9 | 94.8 | 95.3 | 96.9 | 97.5 | 97.5 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.2 | 98.2 |
| ≥ 200 | 57.1 | 83.6 | 89.5 | 92.9 | 94.8 | 95.3 | 97.0 | 97.6 | 97.6 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.6 | 98.6 |
| ≥ 100 | 57.1 | 83.6 | 89.5 | 92.9 | 94.8 | 95.3 | 97.0 | 97.6 | 97.6 | 98.3 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 100.0 |
| ≥ 0 | 57.1 | 83.6 | 89.5 | 92.9 | 94.8 | 95.3 | 97.0 | 97.6 | 97.6 | 98.3 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 707

USAF ETAC FORM AM 84 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

| 725246 | MANSFIELD LAHM MAP OH | 73-81 | NOV |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

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

0300-0500
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 26.0 | 34.1 | 35.0 | 35.6 | 36.5 | 36.5 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 |
| ≥ 20000 | 29.2 | 37.6 | 38.6 | 39.1 | 40.1 | 40.1 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| ≥ 18000 | 29.2 | 37.6 | 38.6 | 39.1 | 40.1 | 40.1 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| ≥ 16000 | 29.2 | 37.6 | 38.6 | 39.1 | 40.1 | 40.1 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 |
| ≥ 14000 | 29.7 | 38.6 | 39.5 | 40.2 | 41.1 | 41.1 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| ≥ 12000 | 30.1 | 39.4 | 40.3 | 41.0 | 42.0 | 42.0 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 |
| ≥ 10000 | 31.5 | 41.3 | 42.2 | 42.9 | 43.9 | 43.9 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| ≥ 9000 | 31.5 | 41.3 | 42.2 | 42.9 | 43.9 | 43.9 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 | 44.3 |
| ≥ 8000 | 32.2 | 43.1 | 44.0 | 44.7 | 45.8 | 45.8 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 |
| ≥ 7000 | 33.0 | 44.4 | 45.4 | 46.0 | 47.1 | 47.1 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| ≥ 6000 | 34.1 | 46.2 | 47.1 | 47.8 | 48.9 | 48.9 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| ≥ 5000 | 35.7 | 51.0 | 52.2 | 52.9 | 54.0 | 54.0 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 |
| ≥ 4500 | 35.8 | 51.2 | 52.5 | 53.1 | 54.2 | 54.2 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 | 54.6 |
| ≥ 4000 | 37.3 | 53.3 | 54.8 | 55.6 | 56.8 | 56.8 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| ≥ 3500 | 38.1 | 55.2 | 56.9 | 57.9 | 59.3 | 59.3 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| ≥ 3000 | 40.3 | 58.3 | 60.1 | 61.2 | 62.5 | 62.5 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| ≥ 2500 | 42.1 | 61.2 | 63.4 | 64.6 | 65.9 | 65.9 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 | 66.5 |
| ≥ 2000 | 45.5 | 66.3 | 69.3 | 70.7 | 72.1 | 72.1 | 72.6 | 72.6 | 72.6 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| ≥ 1800 | 46.0 | 67.0 | 70.2 | 71.7 | 73.0 | 73.0 | 73.6 | 73.6 | 73.6 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| ≥ 1500 | 48.8 | 71.0 | 74.7 | 76.7 | 78.3 | 78.3 | 78.9 | 78.9 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| ≥ 1200 | 49.3 | 73.3 | 77.1 | 79.2 | 80.9 | 80.9 | 81.5 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| ≥ 1000 | 49.7 | 75.7 | 79.8 | 82.3 | 84.2 | 84.2 | 84.9 | 84.9 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| ≥ 900 | 50.3 | 76.4 | 80.7 | 83.2 | 85.3 | 85.3 | 86.0 | 86.0 | 86.0 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| ≥ 800 | 50.5 | 78.5 | 82.8 | 85.6 | 87.6 | 87.6 | 88.3 | 88.4 | 88.4 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 700 | 50.5 | 79.3 | 84.1 | 86.8 | 88.8 | 88.8 | 89.5 | 89.6 | 89.6 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.3 | 90.3 |
| ≥ 600 | 50.5 | 80.0 | 84.7 | 87.7 | 90.2 | 90.3 | 91.0 | 9 .1 | 91.1 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 92.0 | 92.0 |
| ≥ 500 | 50.8 | 80.1 | 86.0 | 89.2 | 91.7 | 91.8 | 92.6 | 93.1 | 93.1 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 94.0 | 94.0 |
| ≥ 400 | 50.8 | 80.8 | 86.4 | 90.3 | 93.2 | 93.7 | 94.7 | 95.1 | 95.1 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 96.0 | 96.0 |
| ≥ 300 | 50.8 | 80.8 | 86.5 | 90.5 | 93.3 | 93.9 | 94.8 | 95.2 | 95.2 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 96.2 | 96.2 |
| ≥ 200 | 50.8 | 80.8 | 86.5 | 90.6 | 93.5 | 94.3 | 95.1 | 95.8 | 95.8 | 96.6 | 96.7 | 96.7 | 97.0 | 97.0 | 97.4 | 97.4 |
| ≥ 100 | 50.8 | 80.8 | 86.5 | 90.6 | 93.5 | 94.0 | 95.1 | 95.8 | 95.8 | 96.7 | 97.3 | 97.3 | 97.5 | 97.5 | 98.6 | 99.0 |
| ≥ 0 | 50.8 | 80.8 | 86.5 | 90.6 | 93.5 | 94.0 | 95.1 | 95.8 | 95.8 | 96.7 | 97.4 | 97.4 | 97.7 | 97.7 | 99.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 739

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

2030

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

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

0600-0800 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 8.9 | 26.0 | 27.3 | 28.1 | 29.2 | 29.4 | 29.9 | 30.3 | 30.3 | 30.7 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 | 30.8 |
| ≥ 20000 | 9.6 | 28.7 | 30.4 | 31.2 | 32.3 | 32.6 | 33.1 | 33.5 | 33.5 | 33.8 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| ≥ 18000 | 9.6 | 28.7 | 30.4 | 31.2 | 32.3 | 32.6 | 33.1 | 33.5 | 33.5 | 33.8 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| ≥ 16000 | 9.6 | 28.7 | 30.4 | 31.2 | 32.3 | 32.6 | 33.1 | 33.5 | 33.5 | 33.8 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 |
| ≥ 14000 | 10.6 | 29.8 | 31.6 | 32.3 | 33.5 | 33.7 | 34.2 | 34.6 | 34.6 | 35.0 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 |
| ≥ 12000 | 11.7 | 31.8 | 33.6 | 34.3 | 35.5 | 35.7 | 36.2 | 36.6 | 36.6 | 37.0 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 |
| ≥ 10000 | 12.8 | 34.5 | 36.5 | 37.5 | 38.7 | 39.0 | 39.5 | 39.9 | 39.9 | 40.3 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 |
| ≥ 9000 | 13.0 | 35.2 | 37.2 | 38.2 | 39.5 | 39.7 | 40.3 | 40.6 | 40.6 | 41.0 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| ≥ 8000 | 13.7 | 37.1 | 39.2 | 40.3 | 41.6 | 41.9 | 42.4 | 42.9 | 42.9 | 43.4 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 | 43.5 |
| ≥ 7000 | 14.2 | 38.4 | 40.5 | 41.6 | 43.0 | 43.3 | 43.8 | 44.3 | 44.3 | 44.8 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| ≥ 6000 | 14.8 | 39.5 | 41.6 | 42.9 | 44.3 | 44.5 | 45.0 | 45.5 | 45.5 | 46.0 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 |
| ≥ 5000 | 15.3 | 41.9 | 44.2 | 45.4 | 46.8 | 47.0 | 47.5 | 48.1 | 48.1 | 48.6 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 | 48.7 |
| ≥ 4500 | 16.5 | 43.8 | 46.0 | 47.4 | 48.9 | 49.3 | 49.8 | 50.3 | 50.3 | 50.8 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 | 51.1 |
| ≥ 4000 | 16.6 | 44.7 | 47.2 | 48.6 | 50.1 | 50.4 | 50.9 | 51.4 | 51.4 | 51.9 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 | 52.2 |
| ≥ 3500 | 18.2 | 47.8 | 50.4 | 51.8 | 53.3 | 53.7 | 54.5 | 55.0 | 55.0 | 55.6 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 | 55.8 |
| ≥ 3000 | 19.7 | 51.8 | 54.7 | 56.1 | 57.6 | 58.0 | 58.7 | 59.2 | 59.2 | 59.9 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 | 60.1 |
| ≥ 2500 | 20.6 | 56.5 | 59.9 | 61.5 | 63.0 | 63.4 | 64.2 | 64.7 | 64.7 | 65.4 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| ≥ 2000 | 21.6 | 60.0 | 63.5 | 65.3 | 66.9 | 67.3 | 68.1 | 68.6 | 68.6 | 69.3 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| ≥ 1800 | 21.9 | 62.0 | 65.5 | 67.4 | 69.1 | 69.6 | 70.3 | 70.8 | 70.8 | 71.6 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| ≥ 1500 | 23.4 | 65.8 | 69.8 | 71.7 | 73.3 | 74.0 | 74.7 | 75.2 | 75.2 | 76.0 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| ≥ 1200 | 24.3 | 68.7 | 73.1 | 75.2 | 77.0 | 77.7 | 78.5 | 79.0 | 79.0 | 79.7 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| ≥ 1000 | 24.7 | 71.4 | 76.1 | 78.5 | 80.4 | 81.4 | 82.5 | 83.1 | 83.1 | 84.0 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| ≥ 900 | 24.7 | 72.2 | 76.9 | 79.4 | 81.4 | 82.4 | 83.5 | 84.2 | 84.2 | 85.0 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| ≥ 800 | 24.8 | 72.8 | 77.7 | 80.5 | 82.6 | 83.6 | 84.8 | 85.7 | 85.7 | 86.5 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| ≥ 700 | 24.8 | 74.0 | 79.1 | 82.0 | 84.4 | 85.4 | 86.5 | 87.5 | 87.5 | 88.4 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| ≥ 600 | 24.9 | 74.8 | 80.3 | 83.4 | 86.0 | 87.0 | 88.3 | 89.4 | 89.4 | 90.6 | 90.9 | 90.9 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 500 | 24.9 | 75.3 | 80.8 | 84.0 | 86.9 | 88.1 | 89.8 | 91.2 | 91.2 | 92.3 | 92.7 | 92.7 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 400 | 24.9 | 75.3 | 81.0 | 84.5 | 87.7 | 88.9 | 90.9 | 92.5 | 92.5 | 93.7 | 94.1 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 300 | 24.9 | 75.3 | 81.0 | 84.7 | 87.9 | 89.3 | 91.4 | 93.0 | 93.0 | 94.6 | 95.1 | 95.1 | 95.3 | 95.5 | 95.5 | 95.5 |
| ≥ 200 | 24.9 | 75.3 | 81.0 | 84.8 | 88.1 | 89.4 | 91.8 | 93.6 | 93.6 | 95.6 | 96.2 | 96.2 | 96.9 | 97.1 | 97.1 | 97.1 |
| ≥ 100 | 24.9 | 75.3 | 81.0 | 84.8 | 88.1 | 89.6 | 91.9 | 93.7 | 93.7 | 95.7 | 96.4 | 96.4 | 97.0 | 97.2 | 98.0 | 98.7 |
| ≥ 0 | 24.9 | 75.3 | 81.0 | 84.8 | 88.1 | 89.6 | 91.9 | 93.7 | 93.7 | 95.7 | 96.4 | 96.4 | 97.0 | 97.2 | 98.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 795

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

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

0900-1100 (HOUR (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 5.7 | 26.4 | 28.1 | 28.7 | 30.0 | 30.4 | 30.9 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 | 31.2 |
| ≥ 20000 | 6.2 | 29.8 | 32.3 | 33.0 | 34.5 | 34.9 | 35.4 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| ≥ 18000 | 6.2 | 29.8 | 32.3 | 33.0 | 34.5 | 34.9 | 35.4 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 |
| ≥ 16000 | 6.5 | 30.0 | 32.5 | 33.3 | 34.8 | 35.2 | 35.7 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 | 35.9 |
| ≥ 14000 | 6.9 | 30.5 | 33.1 | 33.8 | 35.3 | 35.7 | 36.2 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 | 36.4 |
| ≥ 12000 | 6.9 | 31.2 | 33.7 | 34.4 | 35.9 | 36.3 | 36.8 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| ≥ 10000 | 7.9 | 34.3 | 37.2 | 38.2 | 39.8 | 40.1 | 40.9 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| ≥ 9000 | 8.1 | 35.3 | 38.2 | 39.2 | 40.8 | 41.1 | 41.9 | 42.1 | 42.1 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 | 42.3 |
| ≥ 8000 | 8.1 | 36.0 | 39.4 | 40.4 | 42.1 | 42.5 | 43.3 | 43.5 | 43.5 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 |
| ≥ 7000 | 8.4 | 37.8 | 41.4 | 42.6 | 44.5 | 45.0 | 45.8 | 46.0 | 46.0 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| ≥ 6000 | 8.4 | 37.9 | 41.5 | 42.9 | 44.8 | 45.3 | 46.0 | 46.3 | 46.3 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| ≥ 5000 | 8.6 | 39.0 | 42.8 | 44.1 | 46.0 | 46.5 | 47.3 | 47.5 | 47.5 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 4500 | 8.9 | 40.8 | 44.5 | 45.9 | 47.8 | 48.3 | 49.0 | 49.3 | 49.3 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| ≥ 4000 | 9.1 | 41.9 | 45.8 | 47.1 | 49.0 | 49.5 | 50.2 | 50.5 | 50.5 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 | 50.6 |
| ≥ 3500 | 9.4 | 44.3 | 48.5 | 50.1 | 52.1 | 52.6 | 53.4 | 53.6 | 53.6 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 | 53.7 |
| ≥ 3000 | 10.1 | 47.4 | 52.1 | 53.7 | 55.7 | 56.4 | 57.2 | 57.5 | 57.5 | 57.6 | 57.6 | 57.6 | 57.7 | 57.7 | 57.7 | 57.7 |
| ≥ 2500 | 11.3 | 52.5 | 57.6 | 59.5 | 61.5 | 62.1 | 63.2 | 63.5 | 63.5 | 63.6 | 63.6 | 63.6 | 63.7 | 63.7 | 63.7 | 63.7 |
| ≥ 2000 | 12.3 | 58.0 | 63.7 | 65.7 | 68.0 | 68.6 | 70.0 | 70.2 | 70.2 | 70.3 | 70.3 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 |
| ≥ 1800 | 12.7 | 59.9 | 65.6 | 67.6 | 69.8 | 70.4 | 71.9 | 72.2 | 72.2 | 72.3 | 72.3 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 |
| ≥ 1500 | 13.7 | 64.8 | 70.8 | 73.3 | 75.8 | 76.7 | 78.3 | 78.6 | 78.6 | 78.7 | 78.7 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 |
| ≥ 1200 | 13.8 | 66.7 | 72.9 | 75.6 | 78.2 | 79.1 | 80.8 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 |
| ≥ 1000 | 14.0 | 68.2 | 74.7 | 77.6 | 80.5 | 81.4 | 83.4 | 83.9 | 83.9 | 84.2 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 |
| ≥ 900 | 14.0 | 69.0 | 75.8 | 78.9 | 82.0 | 83.0 | 85.2 | 85.7 | 85.7 | 85.9 | 86.0 | 86.0 | 86.2 | 86.2 | 86.2 | 86.2 |
| ≥ 800 | 14.0 | 69.6 | 76.7 | 80.0 | 83.2 | 84.2 | 86.4 | 87.2 | 87.2 | 87.4 | 87.5 | 87.5 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 700 | 14.1 | 69.8 | 77.1 | 80.7 | 84.4 | 85.8 | 88.2 | 88.9 | 88.9 | 89.3 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 600 | 14.1 | 70.2 | 77.4 | 81.2 | 85.2 | 86.5 | 89.2 | 90.1 | 90.1 | 91.0 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 500 | 14.1 | 70.3 | 77.6 | 81.5 | 85.5 | 87.3 | 90.3 | 91.3 | 91.5 | 92.9 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 |
| ≥ 400 | 14.1 | 70.3 | 77.6 | 81.7 | 85.7 | 87.8 | 90.8 | 92.3 | 92.6 | 94.1 | 94.6 | 94.6 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 300 | 14.1 | 70.3 | 77.6 | 81.7 | 85.7 | 87.4 | 90.9 | 92.6 | 93.1 | 95.1 | 95.6 | 95.6 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 200 | 14.1 | 70.3 | 77.6 | 81.7 | 85.7 | 87.4 | 91.0 | 92.9 | 93.5 | 96.1 | 97.4 | 97.4 | 97.9 | 97.9 | 98.1 | 98.1 |
| ≥ 100 | 14.1 | 70.3 | 77.6 | 81.7 | 85.7 | 87.4 | 91.0 | 92.9 | 93.5 | 96.1 | 97.5 | 97.5 | 98.3 | 98.3 | 98.6 | 99.3 |
| ≥ 0 | 14.1 | 70.3 | 77.6 | 81.7 | 85.7 | 87.4 | 91.0 | 92.9 | 93.5 | 96.1 | 97.5 | 97.5 | 98.3 | 98.3 | 98.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 802

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

2031

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS) ST

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 11.9 | 27.9 | 28.5 | 29.1 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 |
| ≥ 20000 | 13.2 | 33.2 | 33.9 | 34.8 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 18000 | 13.2 | 33.2 | 33.9 | 34.8 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 16000 | 13.2 | 33.2 | 33.9 | 34.8 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 | 35.2 |
| ≥ 14000 | 13.4 | 33.5 | 34.3 | 35.2 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| ≥ 12000 | 13.7 | 35.3 | 36.2 | 37.1 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| ≥ 10000 | 14.2 | 37.5 | 38.3 | 39.2 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 | 39.6 |
| ≥ 9000 | 14.2 | 38.1 | 39.0 | 39.8 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 | 40.2 |
| ≥ 8000 | 14.6 | 39.3 | 40.2 | 41.1 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 | 41.5 |
| ≥ 7000 | 15.3 | 41.5 | 42.5 | 43.4 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 | 43.8 |
| ≥ 6000 | 15.1 | 42.4 | 43.5 | 44.4 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 | 44.8 |
| ≥ 5000 | 15.3 | 43.5 | 44.6 | 45.8 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| ≥ 4500 | 15.5 | 46.3 | 47.2 | 48.4 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 |
| ≥ 4000 | 15.6 | 46.3 | 47.4 | 48.8 | 49.3 | 49.3 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 | 49.4 |
| ≥ 3500 | 16.5 | 49.4 | 50.6 | 52.2 | 52.7 | 52.7 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.8 | 52.9 | 52.8 | 52.8 |
| ≥ 3000 | 17.2 | 52.1 | 53.2 | 54.9 | 55.4 | 55.4 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 | 55.5 |
| ≥ 2500 | 19.4 | 59.5 | 60.7 | 62.4 | 63.1 | 63.1 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| ≥ 2000 | 21.8 | 66.7 | 68.1 | 70.1 | 71.0 | 71.1 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 | 71.5 |
| ≥ 1800 | 22.1 | 69.0 | 70.4 | 72.6 | 73.5 | 73.6 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| ≥ 1500 | 23.0 | 74.1 | 76.5 | 79.6 | 80.8 | 81.0 | 82.0 | 82.0 | 82.0 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| ≥ 1200 | 23.1 | 75.8 | 78.6 | 81.8 | 83.2 | 83.4 | 84.6 | 84.7 | 84.7 | 84.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| ≥ 1000 | 23.2 | 76.9 | 80.3 | 84.0 | 85.9 | 86.0 | 87.4 | 87.5 | 87.5 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| ≥ 900 | 23.2 | 77.4 | 81.1 | 85.3 | 87.3 | 87.4 | 88.8 | 88.9 | 88.9 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| ≥ 800 | 23.2 | 78.1 | 81.7 | 86.1 | 88.5 | 88.7 | 90.2 | 90.5 | 90.5 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 700 | 23.2 | 78.4 | 82.3 | 86.9 | 89.4 | 89.7 | 91.7 | 92.4 | 92.4 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 600 | 23.2 | 78.7 | 82.7 | 87.8 | 90.4 | 90.8 | 93.2 | 94.1 | 94.2 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 500 | 23.2 | 78.7 | 82.7 | 87.9 | 90.5 | 91.2 | 93.8 | 95.5 | 95.6 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 400 | 23.2 | 78.7 | 82.7 | 87.9 | 90.7 | 91.3 | 94.5 | 96.3 | 96.5 | 97.1 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 300 | 23.2 | 78.7 | 82.7 | 87.9 | 90.7 | 91.3 | 94.6 | 96.6 | 96.7 | 97.9 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 200 | 23.2 | 78.7 | 82.7 | 87.9 | 90.7 | 91.3 | 94.6 | 96.7 | 96.8 | 98.5 | 99.1 | 99.1 | 99.4 | 99.6 | 99.6 | 99.6 |
| ≥ 100 | 23.2 | 78.7 | 82.7 | 87.9 | 90.7 | 91.3 | 94.6 | 96.7 | 96.8 | 98.5 | 99.1 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 |
| ≥ 0 | 23.2 | 78.7 | 82.7 | 87.9 | 90.7 | 91.3 | 94.6 | 96.7 | 96.8 | 98.5 | 99.1 | 99.1 | 99.4 | 99.6 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 793

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

[ ]246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 13.4 | 28.9 | 29.1 | 29.2 | 29.2 | 29.5 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 | 29.6 |
| ≥ 20000 | 14.8 | 34.1 | 34.7 | 35.1 | 35.2 | 35.4 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| ≥ 18000 | 14.8 | 34.1 | 34.7 | 35.1 | 35.2 | 35.4 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| ≥ 16000 | 14.8 | 34.1 | 34.7 | 35.1 | 35.2 | 35.4 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| ≥ 14000 | 15.1 | 34.6 | 35.2 | 35.6 | 35.7 | 35.9 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 | 36.1 |
| ≥ 12000 | 15.2 | 35.8 | 36.6 | 37.0 | 37.1 | 37.3 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| ≥ 10000 | 16.5 | 38.2 | 39.0 | 39.4 | 39.5 | 39.7 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 | 39.9 |
| ≥ 9000 | 17.1 | 39.5 | 40.3 | 40.6 | 40.8 | 41.0 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 | 41.1 |
| ≥ 8000 | 17.8 | 41.0 | 41.8 | 42.2 | 42.3 | 42.5 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 |
| ≥ 7000 | 18.0 | 43.3 | 44.1 | 44.4 | 44.6 | 44.8 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 |
| ≥ 6000 | 18.0 | 43.8 | 44.6 | 44.9 | 45.1 | 45.3 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 | 45.6 |
| ≥ 5000 | 18.4 | 45.4 | 46.2 | 46.6 | 46.7 | 47.0 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 |
| ≥ 4500 | 19.1 | 48.4 | 49.2 | 49.6 | 49.7 | 50.0 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 | 50.4 |
| ≥ 4000 | 19.1 | 49.1 | 50.1 | 50.5 | 50.8 | 51.0 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
| ≥ 3500 | 19.4 | 51.6 | 52.8 | 53.7 | 54.1 | 54.3 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 | 54.7 |
| ≥ 3000 | 20.8 | 55.3 | 56.6 | 57.5 | 58.0 | 58.2 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 | 58.6 |
| ≥ 2500 | 23.4 | 62.3 | 63.7 | 64.7 | 65.3 | 65.6 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| ≥ 2000 | 24.3 | 68.1 | 69.7 | 71.0 | 71.9 | 72.2 | 73.0 | 73.0 | 73.0 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| ≥ 1800 | 24.6 | 69.9 | 71.5 | 73.0 | 73.9 | 74.2 | 75.1 | 75.1 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 |
| ≥ 1500 | 24.7 | 7 .5 | 74.8 | 76.7 | 78.0 | 78.5 | 79.6 | 79.9 | 79.9 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.3 | 80.3 |
| ≥ 1200 | 24.9 | 74.7 | 77.1 | 79.2 | 80.9 | 81.4 | 82.9 | 83.2 | 83.2 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.7 | 83.7 |
| ≥ 1000 | 24.9 | 76.1 | 78.7 | 81.1 | 83.4 | 83.9 | 85.8 | 86.1 | 86.1 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 87.0 | 87.0 |
| ≥ 900 | 24.9 | 76.6 | 79.7 | 82.2 | 84.6 | 85.2 | 87.3 | 87.6 | 87.6 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 |
| ≥ 800 | 24.9 | 77.2 | 80.6 | 83.2 | 85.8 | 86.7 | 89.2 | 89.5 | 89.5 | 90.1 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 |
| ≥ 700 | 24.9 | 77.8 | 81.5 | 84.4 | 87.3 | 88.2 | 91.0 | 91.4 | 91.4 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 |
| ≥ 600 | 24.9 | 78.2 | 81.9 | 85.2 | 88.2 | 89.1 | 92.5 | 92.9 | 92.9 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 |
| ≥ 500 | 24.9 | 78.4 | 82.0 | 85.4 | 88.9 | 89.7 | 93.3 | 93.8 | 93.9 | 95.1 | 95.3 | 95.3 | 95.6 | 95.6 | 95.7 | 95.7 |
| ≥ 400 | 24.9 | 78.4 | 82.0 | 85.4 | 88.9 | 89.7 | 93.5 | 94.3 | 94.4 | 96.2 | 96.5 | 96.5 | 96.8 | 96.8 | 97.0 | 97.0 |
| ≥ 300 | 24.9 | 78.4 | 82.0 | 85.4 | 88.9 | 89.7 | 93.5 | 94.6 | 94.7 | 96.8 | 97.3 | 97.3 | 97.7 | 97.8 | 98.0 | 98.0 |
| ≥ 200 | 24.9 | 78.4 | 82.0 | 85.4 | 88.9 | 89.7 | 93.5 | 94.7 | 94.8 | 97.2 | 98.0 | 98.0 | 98.5 | 98.9 | 99.1 | 99.1 |
| ≥ 100 | 24.9 | 78.4 | 82.0 | 85.4 | 88.9 | 89.7 | 93.5 | 94.7 | 94.8 | 97.2 | 98.0 | 98.0 | 98.7 | 99.1 | 99.4 | 99.6 |
| ≥ 0 | 24.9 | 78.4 | 82.1 | 85.4 | 88.9 | 89.7 | 93.5 | 94.7 | 94.8 | 97.2 | 98.0 | 98.0 | 98.7 | 99.1 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 792

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

2032

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

[redacted] 246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

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

1800-2300 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 |
| NO CEILING | 26.0 | 36.0 | 36.6 | 36.6 | 37.0 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 | 37.1 |
| ≥ 20000 | 28.4 | 40.8 | 41.4 | 41.4 | 41.8 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 18000 | 28.4 | 40.8 | 41.4 | 41.4 | 41.8 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 16000 | 28.4 | 40.8 | 41.4 | 41.4 | 41.8 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 |
| ≥ 14000 | 29.2 | 41.9 | 42.5 | 42.5 | 42.9 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 | 43.0 |
| ≥ 12000 | 29.2 | 42.0 | 42.8 | 42.8 | 43.1 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 | 43.3 |
| ≥ 10000 | 29.9 | 43.5 | 44.3 | 44.3 | 44.8 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 | 44.9 |
| ≥ 9000 | 30.9 | 44.9 | 45.7 | 45.7 | 46.2 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| ≥ 8000 | 31.6 | 46.0 | 46.8 | 46.9 | 47.4 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 | 47.5 |
| ≥ 7000 | 32.5 | 47.5 | 48.3 | 48.6 | 49.1 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 | 49.2 |
| ≥ 6000 | 33.6 | 49.7 | 50.4 | 50.8 | 51.3 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 | 51.4 |
| ≥ 5000 | 35.3 | 52.5 | 53.2 | 53.6 | 54.2 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 | 54.3 |
| ≥ 4500 | 36.2 | 54.5 | 55.5 | 55.8 | 56.6 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 | 56.7 |
| ≥ 4000 | 38.2 | 57.4 | 58.4 | 58.9 | 59.7 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| ≥ 3500 | 43.0 | 60.5 | 61.6 | 62.1 | 63.0 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 | 63.3 |
| ≥ 3000 | 42.5 | 64.3 | 65.7 | 66.5 | 67.5 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 | 67.8 |
| ≥ 2500 | 44.8 | 68.1 | 69.6 | 70.4 | 71.4 | 71.7 | 71.7 | 71.7 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| ≥ 2000 | 47.8 | 72.2 | 74.3 | 75.5 | 76.6 | 76.9 | 76.9 | 76.9 | 76.9 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 |
| ≥ 1800 | 47.8 | 72.6 | 74.8 | 76.0 | 77.1 | 77.4 | 77.4 | 77.4 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| ≥ 1500 | 48.2 | 74.2 | 77.2 | 78.6 | 80.0 | 80.3 | 80.5 | 80.5 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| ≥ 1200 | 48.3 | 75.1 | 78.1 | 79.7 | 81.1 | 81.5 | 81.9 | 81.9 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| ≥ 1000 | 48.4 | 76.7 | 80.0 | 81.9 | 83.3 | 84.0 | 84.4 | 84.4 | 84.4 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| ≥ 900 | 48.4 | 77.4 | 80.8 | 82.9 | 84.3 | 85.2 | 85.5 | 85.7 | 85.7 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| ≥ 800 | 48.4 | 78.5 | 81.9 | 84.2 | 86.2 | 87.0 | 87.5 | 87.9 | 87.9 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 |
| ≥ 700 | 48.4 | 79.2 | 82.8 | 85.0 | 87.4 | 88.4 | 89.3 | 89.7 | 89.7 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 |
| ≥ 600 | 48.6 | 80.1 | 84.2 | 86.8 | 89.6 | 90.7 | 91.7 | 92.2 | 92.2 | 92.7 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 |
| ≥ 500 | 48.6 | 80.8 | 85.4 | 88.2 | 91.3 | 92.6 | 93.8 | 94.5 | 94.5 | 95.1 | 95.1 | 95.1 | 95.2 | 95.3 | 95.3 |
| ≥ 400 | 48.6 | 80.8 | 85.5 | 88.6 | 91.9 | 93.2 | 94.6 | 95.2 | 95.2 | 95.8 | 95.8 | 95.8 | 96.1 | 96.2 | 96.2 |
| ≥ 300 | 48.6 | 80.8 | 85.5 | 88.6 | 92.5 | 93.7 | 95.5 | 96.1 | 96.1 | 97.2 | 97.5 | 97.5 | 97.7 | 98.0 | 98.0 |
| ≥ 200 | 48.6 | 80.8 | 85.7 | 88.7 | 92.8 | 94.1 | 95.8 | 96.6 | 96.6 | 98.1 | 98.5 | 98.5 | 98.9 | 99.1 | 99.1 |
| ≥ 100 | 48.6 | 80.8 | 85.7 | 88.7 | 92.8 | 94.1 | 95.8 | 96.6 | 96.6 | 98.1 | 98.6 | 98.6 | 99.2 | 99.6 | 99.7 |
| ≥ 0 | 48.6 | 80.8 | 85.7 | 88.7 | 92.8 | 94.1 | 95.8 | 96.6 | 96.6 | 98.1 | 98.6 | 98.6 | 99.2 | 99.6 | 99.7 |

TOTAL NUMBER OF OBSERVATIONS 795

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72-246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

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

2100-2300 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 33.6 | 39.5 | 40.2 | 40.3 | 40.3 | 40.3 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.7 | 40.7 | 40.7 | 40.7 |
| ≥ 20000 | 34.8 | 40.9 | 41.5 | 41.7 | 41.7 | 41.7 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 42.0 | 42.0 | 42.0 | 42.0 |
| ≥ 18000 | 34.8 | 40.9 | 41.5 | 41.7 | 41.7 | 41.7 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 42.0 | 42.0 | 42.0 | 42.0 |
| ≥ 16000 | 34.8 | 40.9 | 41.5 | 41.7 | 41.7 | 41.7 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 42.0 | 42.0 | 42.0 | 42.0 |
| ≥ 14000 | 35.2 | 41.9 | 42.6 | 42.7 | 42.7 | 42.7 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 43.1 | 43.1 | 43.1 | 43.1 |
| ≥ 12000 | 35.6 | 42.3 | 42.9 | 43.2 | 43.2 | 43.2 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.4 | 43.6 | 43.6 | 43.6 | 43.6 |
| ≥ 10000 | 38.0 | 45.5 | 46.2 | 46.5 | 46.5 | 46.5 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.7 | 46.8 | 46.8 | 46.8 | 46.8 |
| ≥ 9000 | 38.5 | 46.1 | 46.8 | 47.1 | 47.1 | 47.1 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.3 | 47.5 | 47.5 | 47.5 | 47.5 |
| ≥ 8000 | 38.6 | 46.2 | 47.2 | 47.5 | 47.5 | 47.5 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.7 | 47.9 | 47.9 | 47.9 | 47.9 |
| ≥ 7000 | 39.6 | 47.3 | 48.4 | 48.6 | 48.6 | 48.6 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 48.9 | 49.0 | 49.0 | 49.0 | 49.0 |
| ≥ 6000 | 41.4 | 50.6 | 51.8 | 52.0 | 52.0 | 52.0 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.3 | 52.4 | 52.4 | 52.4 | 52.4 |
| ≥ 5000 | 44.6 | 54.9 | 56.6 | 56.9 | 57.2 | 57.2 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.6 | 57.7 | 57.7 | 57.7 | 57.7 |
| ≥ 4500 | 45.1 | 55.7 | 57.3 | 57.7 | 58.0 | 58.0 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.3 | 58.5 | 58.5 | 58.5 | 58.5 |
| ≥ 4000 | 47.9 | 59.1 | 60.9 | 61.4 | 61.6 | 61.7 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.4 | 62.5 | 62.5 | 62.5 | 62.5 |
| ≥ 3500 | 48.7 | 61.2 | 63.3 | 63.8 | 64.0 | 64.1 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 | 64.9 | 64.9 |
| ≥ 3000 | 51.0 | 64.4 | 66.4 | 67.2 | 67.4 | 67.6 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.2 | 68.3 | 68.3 | 68.3 | 68.3 |
| ≥ 2500 | 53.3 | 67.0 | 69.2 | 69.9 | 70.5 | 70.6 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.5 | 71.5 | 71.5 | 71.5 |
| ≥ 2000 | 58.8 | 74.1 | 76.4 | 77.3 | 77.8 | 77.9 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 |
| ≥ 1800 | 59.0 | 74.4 | 76.8 | 77.7 | 78.2 | 78.3 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.2 | 79.2 | 79.2 | 79.2 |
| ≥ 1500 | 61.0 | 77.8 | 80.2 | 81.3 | 81.9 | 82.1 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 |
| ≥ 1200 | 61.1 | 78.8 | 81.2 | 82.3 | 83.1 | 83.2 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 |
| ≥ 1000 | 61.2 | 80.4 | 83.5 | 84.7 | 85.7 | 85.9 | 86.9 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.4 | 87.4 | 87.4 | 87.4 |
| ≥ 900 | 61.4 | 81.1 | 84.5 | 85.9 | 87.0 | 87.2 | 88.3 | 88.5 | 88.5 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 |
| ≥ 800 | 61.5 | 81.9 | 85.7 | 87.6 | 88.9 | 89.1 | 90.5 | 90.9 | 90.9 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 700 | 61.6 | 82.3 | 86.2 | 88.1 | 89.4 | 89.8 | 91.2 | 91.5 | 91.5 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 600 | 61.6 | 83.2 | 87.4 | 89.9 | 91.3 | 92.0 | 93.4 | 93.8 | 93.8 | 94.1 | 94.1 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 500 | 61.6 | 83.5 | 87.9 | 90.8 | 92.4 | 93.2 | 94.7 | 95.2 | 95.2 | 95.6 | 95.6 | 95.6 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 400 | 61.6 | 83.6 | 88.0 | 91.4 | 93.7 | 94.6 | 96.2 | 96.8 | 96.8 | 97.2 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 300 | 61.6 | 83.6 | 88.1 | 91.5 | 94.2 | 95.2 | 97.1 | 97.7 | 97.7 | 98.1 | 98.2 | 98.2 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 200 | 61.6 | 83.6 | 88.1 | 91.5 | 94.3 | 95.3 | 97.3 | 98.1 | 98.1 | 98.7 | 98.9 | 98.9 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 100 | 61.6 | 83.6 | 88.1 | 91.5 | 94.3 | 95.3 | 97.3 | 98.1 | 98.1 | 98.9 | 99.1 | 99.1 | 99.7 | 99.7 | 99.7 | 99.7 |
| 0 | 61.6 | 83.6 | 88.1 | 91.5 | 94.3 | 95.3 | 97.3 | 98.1 | 98.1 | 98.9 | 99.2 | 99.2 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 792

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

2033

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72[illegible]246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

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

ALL (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 19.3 | 31.7 | 32.7 | 33.0 | 33.5 | 33.7 | 33.9 | 34.0 | 34.0 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 | 34.1 |
| ≥ 20000 | 20.9 | 35.4 | 36.6 | 37.0 | 37.6 | 37.7 | 38.0 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.2 | 38.2 |
| ≥ 18000 | 20.9 | 35.4 | 36.6 | 37.0 | 37.6 | 37.7 | 38.0 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.2 | 38.2 |
| ≥ 16000 | 21.0 | 35.5 | 36.6 | 37.0 | 37.6 | 37.7 | 38.0 | 38.1 | 38.1 | 38.1 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 |
| ≥ 14000 | 21.4 | 36.3 | 37.5 | 37.9 | 38.5 | 38.6 | 38.9 | 38.9 | 38.9 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 |
| ≥ 12000 | 21.8 | 37.3 | 38.5 | 38.9 | 39.5 | 39.6 | 39.9 | 40.0 | 40.0 | 40.0 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 | 40.1 |
| ≥ 10000 | 23.0 | 39.8 | 41.2 | 41.7 | 42.3 | 42.4 | 42.7 | 42.8 | 42.8 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 | 42.9 |
| ≥ 9000 | 23.4 | 40.6 | 41.9 | 42.4 | 43.0 | 43.2 | 43.5 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.7 | 43.7 | 43.7 | 43.7 |
| ≥ 8000 | 23.8 | 41.8 | 43.2 | 43.8 | 44.4 | 44.5 | 44.8 | 45.0 | 45.0 | 45.0 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 | 45.1 |
| ≥ 7000 | 24.5 | 43.3 | 44.8 | 45.4 | 46.1 | 46.3 | 46.6 | 46.7 | 46.7 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 |
| ≥ 6000 | 25.2 | 44.8 | 46.4 | 47.0 | 47.7 | 47.8 | 48.1 | 48.3 | 48.3 | 48.3 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 | 48.4 |
| ≥ 5000 | 26.6 | 47.7 | 49.4 | 50.2 | 50.9 | 51.0 | 51.4 | 51.5 | 51.5 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 | 51.6 |
| ≥ 4500 | 27.1 | 49.3 | 51.1 | 51.8 | 52.6 | 52.8 | 53.1 | 53.2 | 53.2 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.4 | 53.4 |
| ≥ 4000 | 28.1 | 51.1 | 52.9 | 53.8 | 54.6 | 54.8 | 55.2 | 55.3 | 55.3 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 | 55.4 |
| ≥ 3500 | 29.1 | 53.6 | 55.8 | 56.7 | 57.6 | 57.8 | 58.3 | 58.4 | 58.4 | 58.5 | 58.5 | 58.5 | 58.5 | 58.5 | 58.6 | 58.6 |
| ≥ 3000 | 30.6 | 56.8 | 59.1 | 60.2 | 61.1 | 61.3 | 61.8 | 61.9 | 61.9 | 62.0 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 | 62.1 |
| ≥ 2500 | 32.5 | 61.3 | 63.9 | 65.1 | 66.1 | 66.3 | 66.9 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 |
| ≥ 2000 | 35.1 | 66.7 | 69.7 | 71.1 | 72.2 | 72.4 | 73.1 | 73.2 | 73.2 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.5 | 73.5 |
| ≥ 1800 | 35.4 | 68.0 | 71.0 | 72.5 | 73.6 | 73.8 | 74.5 | 74.6 | 74.6 | 74.8 | 74.8 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 |
| ≥ 1500 | 36.8 | 71.7 | 75.2 | 77.1 | 78.4 | 78.8 | 79.6 | 79.8 | 79.8 | 80.0 | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 |
| ≥ 1200 | 37.2 | 73.5 | 77.2 | 79.2 | 80.7 | 81.0 | 82.0 | 82.2 | 82.2 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.6 | 82.6 |
| ≥ 1000 | 37.5 | 75.5 | 79.6 | 81.8 | 83.6 | 84.0 | 85.2 | 85.4 | 85.4 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| ≥ 900 | 37.5 | 76.1 | 80.4 | 82.8 | 84.6 | 85.2 | 86.4 | 86.6 | 86.6 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.2 | 87.2 |
| ≥ 800 | 37.6 | 77.0 | 81.5 | 84.2 | 86.2 | 86.7 | 88.1 | 88.5 | 88.5 | 88.9 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 700 | 37.6 | 77.7 | 82.3 | 85.1 | 87.9 | 88.0 | 89.5 | 90.0 | 90.0 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.7 | 90.7 |
| ≥ 600 | 37.7 | 78.4 | 83.2 | 86.5 | 88.9 | 89.7 | 91.4 | 92.0 | 92.0 | 92.6 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 500 | 37.7 | 78.8 | 83.8 | 87.3 | 90.0 | 90.9 | 92.8 | 93.7 | 93.7 | 94.5 | 94.6 | 94.6 | 94.8 | 94.8 | 94.9 | 94.9 |
| ≥ 400 | 37.7 | 78.8 | 84.0 | 87.7 | 90.7 | 91.7 | 93.9 | 94.9 | 95.0 | 95.9 | 96.1 | 96.1 | 96.3 | 96.3 | 96.4 | 96.4 |
| ≥ 300 | 37.7 | 78.8 | 84.0 | 87.8 | 90.9 | 91.9 | 94.3 | 95.4 | 95.5 | 96.7 | 97.0 | 97.0 | 97.2 | 97.2 | 97.3 | 97.3 |
| ≥ 200 | 37.7 | 78.8 | 84.0 | 87.8 | 91.0 | 92.0 | 94.5 | 95.7 | 95.8 | 97.4 | 97.9 | 97.9 | 98.3 | 98.4 | 98.6 | 98.6 |
| ≥ 100 | 37.7 | 78.8 | 84.0 | 87.8 | 91.0 | 92.0 | 94.5 | 95.7 | 95.8 | 97.4 | 98.1 | 98.1 | 98.6 | 98.8 | 99.2 | 99.5 |
| ≥ 0 | 37.7 | 78.8 | 84.0 | 87.8 | 91.0 | 92.0 | 94.5 | 95.7 | 95.8 | 97.4 | 98.1 | 98.1 | 98.6 | 98.8 | 99.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 6208

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-80 (YEARS) DEC (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 24.6 | 29.1 | 29.4 | 29.8 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 |
| ≥ 20000 | 25.7 | 30.6 | 30.9 | 31.5 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 |
| ≥ 18000 | 25.7 | 30.6 | 30.9 | 31.5 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 |
| ≥ 16000 | 25.7 | 30.6 | 30.9 | 31.5 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 |
| ≥ 14000 | 27.2 | 32.3 | 32.6 | 33.1 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 | 33.2 |
| ≥ 12000 | 27.7 | 33.2 | 33.5 | 34.1 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 | 34.2 |
| ≥ 10000 | 29.5 | 36.1 | 36.5 | 37.2 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 |
| ≥ 9000 | 29.7 | 36.3 | 36.7 | 37.4 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 | 37.5 |
| ≥ 8000 | 30.8 | 37.5 | 37.9 | 38.6 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 |
| ≥ 7000 | 32.1 | 39.4 | 39.8 | 40.5 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| ≥ 6000 | 33.5 | 41.2 | 41.6 | 42.3 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 | 42.4 |
| ≥ 5000 | 36.1 | 44.9 | 45.5 | 46.3 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 |
| ≥ 4500 | 36.1 | 45.1 | 45.6 | 46.4 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 | 46.6 |
| ≥ 4000 | 37.9 | 47.7 | 48.8 | 49.6 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 | 49.7 |
| ≥ 3500 | 39.7 | 50.7 | 51.9 | 52.9 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 | 53.0 |
| ≥ 3000 | 40.5 | 53.0 | 54.7 | 55.8 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 | 55.9 |
| ≥ 2500 | 42.0 | 56.2 | 58.2 | 59.6 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 | 59.8 |
| ≥ 2000 | 47.0 | 63.0 | 65.8 | 68.0 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 | 68.3 |
| ≥ 1800 | 47.0 | 63.6 | 66.3 | 69.0 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| ≥ 1500 | 50.7 | 69.4 | 72.7 | 75.5 | 76.0 | 76.1 | 76.1 | 76.1 | 76.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| ≥ 1200 | 51.1 | 70.9 | 74.5 | 77.9 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| ≥ 1000 | 51.6 | 72.3 | 75.8 | 79.7 | 80.6 | 80.8 | 80.8 | 80.8 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| ≥ 900 | 52.1 | 72.9 | 76.5 | 80.4 | 81.3 | 81.5 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| ≥ 800 | 52.3 | 73.8 | 77.5 | 81.5 | 82.7 | 82.8 | 83.1 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.4 | 83.4 | 83.4 | 83.4 |
| ≥ 700 | 52.3 | 74.6 | 78.6 | 82.6 | 84.1 | 84.2 | 84.5 | 84.5 | 84.5 | 84.6 | 84.6 | 84.6 | 84.8 | 84.8 | 84.8 | 84.8 |
| ≥ 600 | 52.9 | 75.7 | 79.9 | 84.3 | 86.3 | 86.4 | 86.8 | 86.8 | 86.8 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 500 | 52.9 | 75.8 | 80.4 | 86.3 | 88.5 | 88.6 | 89.7 | 89.8 | 89.8 | 90.0 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 400 | 52.9 | 76.0 | 81.0 | 87.6 | 90.7 | 90.8 | 92.3 | 92.7 | 92.7 | 93.1 | 93.1 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 300 | 52.9 | 76.0 | 81.0 | 87.8 | 90.9 | 91.1 | 93.3 | 93.8 | 93.8 | 94.6 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 200 | 52.9 | 76.0 | 81.0 | 87.8 | 91.3 | 91.8 | 94.1 | 94.8 | 94.8 | 96.0 | 96.4 | 96.4 | 96.8 | 96.8 | 97.1 | 97.3 |
| ≥ 100 | 52.9 | 76.0 | 81.0 | 87.8 | 91.3 | 91.8 | 94.1 | 94.9 | 94.9 | 96.2 | 96.8 | 96.8 | 97.4 | 97.5 | 98.5 | 98.8 |
| ≥ 0 | 52.9 | 76.0 | 81.0 | 87.8 | 91.3 | 91.8 | 94.1 | 94.9 | 94.9 | 96.2 | 96.8 | 96.8 | 97.5 | 97.7 | 98.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 728

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

2034

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 21.9 | 27.9 | 28.4 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 |
| ≥ 20000 | 22.9 | 29.3 | 29.8 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| ≥ 18000 | 22.9 | 29.3 | 29.8 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| ≥ 16000 | 22.9 | 29.3 | 29.8 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 | 30.2 |
| ≥ 14000 | 23.6 | 30.0 | 30.5 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 | 30.9 |
| ≥ 12000 | 24.3 | 31.8 | 32.3 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 | 32.7 |
| ≥ 10000 | 25.3 | 34.4 | 34.9 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 |
| ≥ 9000 | 25.7 | 34.9 | 35.5 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 | 36.0 |
| ≥ 8000 | 26.7 | 36.3 | 36.8 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| ≥ 7000 | 27.1 | 37.3 | 37.8 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 | 38.4 |
| ≥ 6000 | 28.8 | 39.8 | 40.4 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 | 41.0 |
| ≥ 5000 | 31.8 | 44.5 | 45.3 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 |
| ≥ 4500 | 31.8 | 44.6 | 45.4 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 | 46.2 |
| ≥ 4000 | 32.9 | 46.1 | 47.1 | 47.9 | 47.9 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| ≥ 3500 | 34.1 | 48.0 | 49.5 | 50.3 | 50.4 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 | 50.5 |
| ≥ 3000 | 34.9 | 50.5 | 52.1 | 53.0 | 53.1 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 | 53.3 |
| ≥ 2500 | 36.3 | 53.1 | 55.1 | 56.2 | 56.7 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 |
| ≥ 2000 | 39.7 | 60.2 | 63.1 | 64.3 | 65.4 | 65.8 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| ≥ 1800 | 40.4 | 61.1 | 64.1 | 65.4 | 66.6 | 67.0 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| ≥ 1500 | 42.5 | 65.4 | 69.4 | 71.2 | 72.6 | 73.3 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| ≥ 1200 | 42.9 | 66.6 | 70.7 | 72.8 | 74.5 | 75.3 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| ≥ 1000 | 43.7 | 69.1 | 74.0 | 76.3 | 78.4 | 79.2 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| ≥ 900 | 43.8 | 69.8 | 74.7 | 77.1 | 79.5 | 80.2 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| ≥ 800 | 44.0 | 71.1 | 76.4 | 79.5 | 81.8 | 82.6 | 83.2 | 83.2 | 83.2 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| ≥ 700 | 44.2 | 71.9 | 77.5 | 80.9 | 83.8 | 84.6 | 85.2 | 85.2 | 85.2 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| ≥ 600 | 44.2 | 72.8 | 78.4 | 82.2 | 85.2 | 86.0 | 86.8 | 86.8 | 86.8 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| ≥ 500 | 44.2 | 73.4 | 79.3 | 83.2 | 86.9 | 87.7 | 88.6 | 88.6 | 88.6 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| ≥ 400 | 44.2 | 73.6 | 79.6 | 84.0 | 88.2 | 89.0 | 90.6 | 91.0 | 91.0 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 300 | 44.2 | 73.6 | 79.6 | 84.0 | 88.5 | 89.3 | 91.1 | 91.5 | 91.5 | 92.5 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 200 | 44.2 | 73.6 | 79.6 | 84.0 | 89.0 | 89.8 | 91.9 | 92.5 | 92.5 | 94.2 | 94.9 | 94.9 | 95.3 | 95.3 | 95.5 | 95.5 |
| ≥ 100 | 44.2 | 73.6 | 79.6 | 84.0 | 89.0 | 89.9 | 92.0 | 92.7 | 92.7 | 94.4 | 95.0 | 95.0 | 95.9 | 95.9 | 97.3 | 98.0 |
| ≥ 0 | 44.2 | 73.6 | 79.6 | 84.0 | 89.0 | 89.9 | 92.0 | 92.7 | 92.7 | 95.2 | 95.8 | 95.8 | 96.7 | 96.7 | 98.2 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 764

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

| 720246 | MANSFIELD LAHM MAP OH | 73-81 | DEC |
|---|---|---|---|
| STATION | STATION NAME | YEARS | MONTH |

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

0600-0800
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 11.9 | 22.8 | 23.5 | 23.9 | 24.2 | 24.4 | 24.6 | 24.6 | 24.6 | 24.8 | 24.8 | 24.8 | 24.8 | 24.9 | 25.0 | 25.1 |
| ≥ 20000 | 12.9 | 25.0 | 26.1 | 26.6 | 27.1 | 27.3 | 27.5 | 27.5 | 27.5 | 27.7 | 27.7 | 27.7 | 27.7 | 27.8 | 27.9 | 28.2 |
| ≥ 18000 | 12.9 | 25.0 | 26.1 | 26.6 | 27.1 | 27.3 | 27.5 | 27.5 | 27.5 | 27.7 | 27.7 | 27.7 | 27.7 | 27.8 | 27.9 | 28.0 |
| ≥ 16000 | 12.9 | 25.0 | 26.1 | 26.6 | 27.1 | 27.3 | 27.5 | 27.5 | 27.5 | 27.7 | 27.7 | 27.7 | 27.7 | 27.8 | 27.9 | 28.0 |
| ≥ 14000 | 13.3 | 26.0 | 27.1 | 27.5 | 28.0 | 28.3 | 28.5 | 28.5 | 28.5 | 28.6 | 28.6 | 28.6 | 28.6 | 28.8 | 28.9 | 29.0 |
| ≥ 12000 | 13.9 | 26.8 | 27.9 | 28.4 | 28.9 | 29.1 | 29.4 | 29.4 | 29.4 | 29.5 | 29.5 | 29.5 | 29.5 | 29.6 | 29.7 | 29.9 |
| ≥ 10000 | 14.2 | 28.4 | 29.5 | 30.0 | 30.5 | 30.7 | 30.9 | 30.9 | 30.9 | 31.1 | 31.1 | 31.1 | 31.1 | 31.2 | 31.3 | 31.4 |
| ≥ 9000 | 14.6 | 29.1 | 30.2 | 30.7 | 31.2 | 31.4 | 31.7 | 31.7 | 31.7 | 31.8 | 31.8 | 31.8 | 31.8 | 31.9 | 32.0 | 32.2 |
| ≥ 8000 | 15.3 | 30.3 | 31.4 | 31.9 | 32.4 | 32.6 | 32.9 | 32.9 | 32.9 | 33.0 | 33.0 | 33.0 | 33.0 | 33.1 | 33.3 | 33.4 |
| ≥ 7000 | 15.9 | 32.2 | 33.3 | 33.7 | 34.2 | 34.5 | 34.7 | 34.7 | 34.7 | 34.8 | 34.8 | 34.8 | 34.8 | 35.0 | 35.1 | 35.2 |
| ≥ 6000 | 16.0 | 32.9 | 34.0 | 34.5 | 35.0 | 35.2 | 35.4 | 35.4 | 35.4 | 35.6 | 35.6 | 35.6 | 35.6 | 35.7 | 35.8 | 35.9 |
| ≥ 5000 | 16.5 | 34.0 | 35.1 | 35.6 | 36.0 | 36.3 | 36.5 | 36.5 | 36.5 | 36.7 | 36.7 | 36.7 | 36.7 | 36.8 | 36.9 | 37.0 |
| ≥ 4500 | 17.1 | 36.4 | 37.7 | 38.6 | 39.2 | 39.6 | 39.8 | 39.8 | 39.8 | 39.9 | 39.9 | 39.9 | 39.9 | 40.0 | 40.2 | 40.3 |
| ≥ 4000 | 17.1 | 36.9 | 38.2 | 39.1 | 39.8 | 40.2 | 40.4 | 40.4 | 40.4 | 40.5 | 40.5 | 40.5 | 40.5 | 40.7 | 40.8 | 40.9 |
| ≥ 3500 | 17.7 | 39.4 | 40.9 | 41.7 | 42.7 | 43.1 | 43.3 | 43.3 | 43.3 | 43.6 | 43.6 | 43.6 | 43.6 | 43.7 | 43.8 | 43.9 |
| ≥ 3000 | 18.6 | 42.4 | 43.8 | 44.7 | 45.6 | 46.0 | 46.2 | 46.4 | 46.4 | 46.6 | 46.6 | 46.6 | 46.6 | 46.7 | 46.8 | 47.0 |
| ≥ 2500 | 19.8 | 47.0 | 48.9 | 49.9 | 51.0 | 51.3 | 51.6 | 51.7 | 51.7 | 51.9 | 51.9 | 51.9 | 51.9 | 52.1 | 52.2 | 52.3 |
| ≥ 2000 | 21.5 | 52.2 | 55.0 | 56.7 | 58.0 | 58.4 | 58.6 | 58.9 | 58.9 | 59.1 | 59.1 | 59.1 | 59.1 | 59.2 | 59.3 | 59.5 |
| ≥ 1800 | 21.5 | 53.4 | 56.4 | 58.4 | 60.0 | 60.4 | 60.9 | 61.2 | 61.2 | 61.4 | 61.4 | 61.4 | 61.4 | 61.5 | 61.7 | 61.8 |
| ≥ 1500 | 22.3 | 57.3 | 61.0 | 63.5 | 65.2 | 65.8 | 66.5 | 66.7 | 66.7 | 67.1 | 67.2 | 67.2 | 67.2 | 67.4 | 67.5 | 67.6 |
| ≥ 1200 | 23.4 | 60.3 | 64.2 | 66.7 | 68.7 | 69.4 | 70.4 | 70.8 | 70.8 | 71.1 | 71.2 | 71.2 | 71.2 | 71.4 | 71.5 | 71.6 |
| ≥ 1000 | 24.0 | 62.4 | 66.6 | 69.4 | 71.5 | 72.2 | 73.3 | 73.9 | 73.9 | 74.4 | 74.5 | 74.5 | 74.5 | 74.6 | 74.8 | 74.9 |
| ≥ 900 | 24.3 | 63.1 | 67.6 | 70.6 | 73.1 | 74.0 | 75.1 | 75.7 | 75.7 | 76.3 | 76.5 | 76.5 | 76.5 | 76.6 | 76.7 | 76.8 |
| ≥ 800 | 24.3 | 63.7 | 68.3 | 71.7 | 74.3 | 75.2 | 76.3 | 76.9 | 76.9 | 77.7 | 77.8 | 77.8 | 77.8 | 77.9 | 78.0 | 78.2 |
| ≥ 700 | 24.5 | 64.2 | 68.8 | 73.2 | 76.1 | 77.2 | 78.3 | 79.0 | 79.0 | 79.7 | 80.1 | 80.1 | 80.1 | 80.2 | 80.3 | 80.5 |
| ≥ 600 | 24.8 | 66.1 | 71.6 | 76.6 | 80.3 | 81.4 | 82.6 | 83.6 | 83.6 | 84.5 | 84.8 | 84.8 | 84.8 | 85.0 | 85.1 | 85.2 |
| ≥ 500 | 24.8 | 67.0 | 72.8 | 78.3 | 82.9 | 84.2 | 85.4 | 86.7 | 86.7 | 87.6 | 88.2 | 88.2 | 88.2 | 88.5 | 88.6 | 88.7 |
| ≥ 400 | 24.8 | 67.2 | 73.3 | 79.2 | 84.6 | 86.4 | 88.0 | 89.2 | 89.2 | 90.3 | 91.0 | 91.0 | 91.0 | 91.3 | 91.4 | 91.5 |
| ≥ 300 | 24.8 | 67.7 | 73.8 | 79.7 | 85.2 | 87.1 | 88.7 | 89.9 | 89.9 | 91.1 | 91.9 | 91.9 | 92.2 | 92.5 | 92.7 | 92.8 |
| ≥ 200 | 24.8 | 67.7 | 73.8 | 79.7 | 85.4 | 87.4 | 89.2 | 90.7 | 90.7 | 92.6 | 93.7 | 93.7 | 94.7 | 94.9 | 95.5 | 95.8 |
| ≥ 100 | 24.8 | 67.7 | 73.8 | 79.7 | 85.4 | 87.4 | 89.2 | 90.7 | 90.7 | 92.7 | 93.9 | 93.9 | 95.5 | 96.1 | 97.1 | 98.5 |
| ≥ 0 | 24.8 | 67.7 | 73.8 | 79.7 | 85.4 | 87.4 | 89.2 | 90.7 | 90.7 | 92.7 | 93.9 | 93.9 | 95.5 | 96.1 | 97.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 824

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

2035

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 7.3 | 20.8 | 21.5 | 22.2 | 23.1 | 23.3 | 23.5 | 23.5 | 23.5 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.7 | 23.8 |
| ≥ 20000 | 8.3 | 24.3 | 25.1 | 25.8 | 26.8 | 27.1 | 27.7 | 27.8 | 27.8 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 28.0 |
| ≥ 18000 | 8.3 | 24.3 | 25.1 | 25.8 | 26.8 | 27.1 | 27.7 | 27.8 | 27.8 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 27.9 | 28.0 |
| ≥ 16000 | 8.5 | 24.5 | 25.4 | 26.1 | 27.1 | 27.3 | 27.9 | 28.0 | 28.0 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 | 28.2 | 28.3 |
| ≥ 14000 | 8.6 | 24.8 | 25.6 | 26.3 | 27.3 | 27.5 | 28.2 | 28.3 | 28.3 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.5 |
| ≥ 12000 | 8.9 | 25.6 | 26.5 | 27.2 | 28.2 | 28.4 | 29.1 | 29.2 | 29.2 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.4 | 29.5 |
| ≥ 10000 | 9.7 | 28.2 | 29.2 | 30.0 | 30.9 | 31.2 | 31.9 | 32.0 | 32.0 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.3 |
| ≥ 9000 | 10.0 | 29.5 | 30.6 | 31.3 | 32.3 | 32.5 | 33.3 | 33.4 | 33.4 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.6 |
| ≥ 8000 | 10.6 | 30.8 | 32.4 | 33.1 | 34.1 | 34.3 | 35.1 | 35.2 | 35.2 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.3 | 35.4 |
| ≥ 7000 | 10.9 | 32.8 | 34.5 | 35.2 | 36.2 | 36.4 | 37.1 | 37.3 | 37.3 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.4 | 37.5 |
| ≥ 6000 | 11.0 | 33.1 | 34.8 | 35.6 | 36.5 | 36.8 | 37.5 | 37.6 | 37.6 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.9 |
| ≥ 5000 | 11.4 | 34.2 | 35.9 | 36.7 | 37.6 | 37.9 | 38.7 | 38.8 | 38.8 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.1 |
| ≥ 4500 | 11.7 | 35.4 | 37.1 | 38.0 | 39.1 | 39.3 | 40.2 | 40.4 | 40.4 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.5 | 40.7 |
| ≥ 4000 | 11.7 | 36.2 | 37.9 | 39.0 | 40.4 | 40.7 | 41.5 | 41.7 | 41.7 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 41.9 | 42.0 |
| ≥ 3500 | 11.9 | 37.6 | 39.4 | 40.7 | 42.1 | 42.4 | 43.2 | 43.4 | 43.4 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.7 |
| ≥ 3000 | 12.1 | 39.7 | 41.5 | 42.8 | 44.4 | 44.7 | 45.8 | 46.0 | 46.0 | 46.2 | 46.4 | 46.4 | 46.4 | 46.4 | 46.4 | 46.5 |
| ≥ 2500 | 13.1 | 44.4 | 46.6 | 47.9 | 49.6 | 49.9 | 51.2 | 51.6 | 51.6 | 51.8 | 51.9 | 51.9 | 51.9 | 51.9 | 51.9 | 52.1 |
| ≥ 2000 | 13.6 | 48.7 | 51.2 | 53.0 | 54.9 | 55.5 | 56.9 | 57.5 | 57.5 | 57.9 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.3 |
| ≥ 1800 | 14.0 | 49.6 | 52.3 | 54.2 | 56.1 | 56.7 | 58.1 | 58.7 | 58.7 | 59.2 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6 |
| ≥ 1500 | 14.2 | 53.9 | 57.0 | 59.2 | 61.3 | 62.0 | 64.4 | 65.0 | 65.0 | 65.7 | 65.9 | 65.9 | 65.9 | 65.9 | 65.9 | 66.0 |
| ≥ 1200 | 14.4 | 57.0 | 60.6 | 63.2 | 65.9 | 67.0 | 69.7 | 70.5 | 70.5 | 71.1 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.5 |
| ≥ 1000 | 14.7 | 58.4 | 62.6 | 65.5 | 68.4 | 69.7 | 72.5 | 73.5 | 73.5 | 74.5 | 74.9 | 74.9 | 75.0 | 75.0 | 75.0 | 75.1 |
| ≥ 900 | 14.7 | 58.7 | 63.1 | 66.4 | 69.4 | 70.8 | 74.0 | 75.2 | 75.2 | 76.5 | 76.8 | 76.8 | 76.9 | 76.9 | 76.9 | 77.1 |
| ≥ 800 | 14.7 | 59.0 | 63.5 | 67.1 | 70.3 | 71.6 | 75.1 | 76.5 | 76.5 | 78.0 | 78.6 | 78.6 | 78.8 | 78.8 | 78.8 | 76.9 |
| ≥ 700 | 14.7 | 59.8 | 64.4 | 68.3 | 71.7 | 73.1 | 77.1 | 78.5 | 78.5 | 80.3 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.4 |
| ≥ 600 | 14.7 | 60.4 | 66.0 | 70.5 | 74.8 | 76.5 | 80.9 | 82.8 | 82.8 | 85.0 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.4 |
| ≥ 500 | 14.7 | 60.6 | 66.3 | 71.1 | 75.8 | 77.7 | 82.6 | 85.1 | 85.1 | 87.7 | 89.1 | 89.1 | 89.4 | 89.4 | 89.4 | 89.6 |
| ≥ 400 | 14.7 | 60.6 | 66.3 | 71.2 | 76.6 | 78.5 | 83.9 | 86.7 | 86.7 | 89.3 | 91.0 | 91.0 | 91.6 | 91.6 | 91.6 | 91.7 |
| ≥ 300 | 14.7 | 60.6 | 66.3 | 71.4 | 76.7 | 78.8 | 84.5 | 87.3 | 87.3 | 90.3 | 92.2 | 92.2 | 93.2 | 93.3 | 93.4 | 93.7 |
| ≥ 200 | 14.7 | 60.6 | 66.3 | 71.4 | 76.7 | 78.8 | 84.7 | 87.6 | 87.6 | 91.5 | 94.3 | 94.3 | 96.0 | 96.6 | 97.0 | 97.3 |
| ≥ 100 | 14.7 | 60.6 | 66.3 | 71.4 | 76.7 | 78.8 | 84.7 | 87.6 | 87.6 | 91.5 | 94.4 | 94.4 | 96.2 | 96.8 | 97.6 | 99.0 |
| ≥ 0 | 14.7 | 60.6 | 66.3 | 71.4 | 76.7 | 78.8 | 84.7 | 87.6 | 87.6 | 91.5 | 94.4 | 94.4 | 96.2 | 96.8 | 97.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 824

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 | ≥0 |
| NO CEILING | 9.1 | 19.5 | 20.1 | 20.4 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.1 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.3 |
| ≥ 20000 | 10.9 | 25.5 | 26.1 | 26.4 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.3 |
| ≥ 18000 | 10.9 | 25.5 | 26.1 | 26.4 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.1 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.3 |
| ≥ 16000 | 11.0 | 25.6 | 26.2 | 26.6 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.2 | 27.3 | 27.3 | 27.3 | 27.3 | 27.3 | 27.4 |
| ≥ 14000 | 11.3 | 25.8 | 26.4 | 26.8 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.5 | 27.5 | 27.5 | 27.5 | 27.5 | 27.7 |
| ≥ 12000 | 11.3 | 27.1 | 27.7 | 28.0 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.6 | 28.8 | 28.8 | 28.8 | 28.8 | 28.8 | 28.9 |
| ≥ 10000 | 12.6 | 30.0 | 30.6 | 31.0 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.6 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.8 |
| ≥ 9000 | 12.6 | 30.5 | 31.1 | 31.5 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.1 | 32.2 | 32.2 | 32.2 | 32.2 | 32.2 | 32.3 |
| ≥ 8000 | 13.0 | 32.1 | 32.7 | 33.0 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.7 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.9 |
| ≥ 7000 | 13.2 | 32.6 | 33.3 | 33.7 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.3 | 34.4 | 34.4 | 34.4 | 34.4 | 34.4 | 34.5 |
| ≥ 6000 | 13.7 | 33.7 | 34.4 | 34.8 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.5 | 35.5 | 35.5 | 35.5 | 35.5 | 35.6 |
| ≥ 5000 | 14.0 | 34.8 | 35.6 | 36.0 | 36.6 | 36.7 | 36.7 | 36.7 | 36.7 | 36.7 | 36.8 | 36.8 | 36.8 | 36.8 | 36.8 | 37.2 |
| ≥ 4500 | 14.1 | 35.6 | 36.5 | 36.8 | 37.5 | 37.6 | 37.6 | 37.6 | 37.6 | 37.6 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.8 |
| ≥ 4000 | 14.1 | 35.7 | 36.6 | 37.0 | 37.6 | 37.7 | 37.7 | 37.7 | 37.7 | 37.7 | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 | 37.9 |
| ≥ 3500 | 14.1 | 37.1 | 38.1 | 38.4 | 39.0 | 39.3 | 39.4 | 39.4 | 39.4 | 39.4 | 39.5 | 39.5 | 39.5 | 39.5 | 39.5 | 39.7 |
| ≥ 3000 | 15.2 | 39.9 | 41.0 | 41.5 | 42.2 | 42.6 | 42.7 | 42.7 | 42.7 | 42.7 | 42.8 | 42.8 | 42.8 | 42.8 | 42.8 | 43.0 |
| ≥ 2500 | 17.1 | 44.7 | 46.1 | 46.8 | 47.8 | 48.2 | 48.3 | 48.5 | 48.5 | 48.5 | 48.6 | 48.6 | 48.6 | 48.6 | 48.6 | 48.7 |
| ≥ 2000 | 18.1 | 50.4 | 52.1 | 53.1 | 54.2 | 55.1 | 55.3 | 55.6 | 55.6 | 56.1 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.5 |
| ≥ 1800 | 18.5 | 52.6 | 54.7 | 55.8 | 57.0 | 57.9 | 58.3 | 58.5 | 58.5 | 59.0 | 59.5 | 59.5 | 59.5 | 59.5 | 59.5 | 59.6 |
| ≥ 1500 | 18.5 | 58.1 | 60.7 | 62.2 | 63.4 | 64.5 | 65.5 | 66.1 | 66.1 | 67.0 | 67.6 | 67.6 | 67.7 | 67.7 | 67.7 | 67.8 |
| ≥ 1200 | 18.5 | 61.6 | 64.6 | 66.6 | 67.9 | 69.3 | 70.5 | 71.2 | 71.2 | 72.1 | 72.8 | 72.8 | 72.9 | 72.9 | 72.9 | 73.1 |
| ≥ 1000 | 18.8 | 63.4 | 66.7 | 69.2 | 71.0 | 72.3 | 73.7 | 74.8 | 74.8 | 75.9 | 77.2 | 77.2 | 77.6 | 77.6 | 77.6 | 77.7 |
| ≥ 900 | 18.8 | 63.5 | 67.0 | 69.6 | 71.6 | 72.9 | 74.8 | 76.1 | 76.1 | 77.2 | 78.6 | 78.6 | 78.9 | 78.9 | 78.9 | 79.1 |
| ≥ 800 | 18.8 | 64.5 | 68.5 | 71.8 | 74.3 | 75.6 | 78.0 | 79.3 | 79.3 | 80.4 | 81.8 | 81.8 | 82.1 | 82.1 | 82.1 | 82.3 |
| ≥ 700 | 18.8 | 65.5 | 69.9 | 73.6 | 76.6 | 78.2 | 8 .7 | 82.3 | 82.3 | 83.6 | 85.1 | 85.1 | 85.4 | 85.7 | 85.7 | 85.8 |
| ≥ 600 | 18.8 | 66.0 | 70.4 | 74.1 | 77.6 | 79.2 | 81.8 | 83.6 | 83.6 | 85.1 | 86.8 | 86.8 | 87.3 | 87.5 | 87.5 | 87.6 |
| ≥ 500 | 18.8 | 66.2 | 70.6 | 74.5 | 78.5 | 80.5 | 83.5 | 85.6 | 85.6 | 87.4 | 89.1 | 89.1 | 89.8 | 90.2 | 90.2 | 90.3 |
| ≥ 400 | 18.8 | 66.3 | 70.7 | 74.8 | 78.9 | 81.0 | 84.2 | 86.8 | 86.5 | 88.7 | 90.7 | 90.7 | 91.4 | 91.8 | 91.8 | 92.0 |
| ≥ 300 | 18.8 | 66.3 | 70.7 | 74.8 | 78.9 | 81.2 | 85.1 | 88.0 | 88.0 | 90.2 | 92.5 | 92.5 | 93.8 | 94.1 | 94.1 | 94.4 |
| ≥ 200 | 18.8 | 66.3 | 70.7 | 74.8 | 78.9 | 81.2 | 85.1 | 88.5 | 88.5 | 91.1 | 94.5 | 94.5 | 96.1 | 96.6 | 96.6 | 96.8 |
| ≥ 100 | 18.8 | 66.3 | 70.7 | 74.8 | 78.9 | 81.2 | 85.1 | 88.6 | 88.6 | 91.4 | 95.0 | 95.0 | 97.2 | 97.9 | 98.3 | 99.3 |
| ≥ 0 | 18.8 | 66.3 | 70.7 | 74.8 | 78.9 | 81.2 | 85.1 | 88.6 | 88.6 | 91.4 | 95.0 | 95.0 | 97.2 | 97.9 | 98.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 817

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

2036

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

724246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 9.5 | 21.9 | 22.5 | 22.5 | 22.6 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 | 22.7 |
| ≥ 20000 | 11.5 | 28.3 | 28.9 | 28.9 | 29.0 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 |
| ≥ 18000 | 11.5 | 28.3 | 28.9 | 28.9 | 29.0 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 |
| ≥ 16000 | 11.5 | 28.3 | 28.9 | 28.9 | 29.0 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 |
| ≥ 14000 | 11.9 | 28.6 | 29.2 | 29.2 | 29.4 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 |
| ≥ 12000 | 12.4 | 30.1 | 30.7 | 30.7 | 30.8 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 | 31.0 |
| ≥ 10000 | 13.3 | 31.4 | 32.1 | 32.1 | 32.2 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 | 32.3 |
| ≥ 9000 | 13.3 | 32.1 | 32.7 | 32.7 | 32.8 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 | 32.9 |
| ≥ 8000 | 13.8 | 34.4 | 35.0 | 35.0 | 35.1 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 | 35.4 |
| ≥ 7000 | 14.1 | 35.3 | 35.9 | 35.9 | 36.0 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 | 36.2 |
| ≥ 6000 | 14.5 | 36.0 | 36.6 | 36.6 | 36.7 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 | 37.0 |
| ≥ 5000 | 15.0 | 37.3 | 38.1 | 38.1 | 38.3 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 | 38.7 |
| ≥ 4500 | 15.7 | 39.1 | 39.8 | 39.9 | 40.3 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 | 40.7 |
| ≥ 4000 | 15.7 | 39.1 | 39.9 | 40.0 | 40.4 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| ≥ 3500 | 16.3 | 40.9 | 41.8 | 42.0 | 42.5 | 42.9 | 42.9 | 43.0 | 43.0 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 | 43.1 |
| ≥ 3000 | 17.1 | 45.0 | 46.1 | 46.6 | 47.3 | 47.7 | 47.8 | 47.9 | 47.9 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 | 48.0 |
| ≥ 2500 | 17.8 | 49.3 | 50.4 | 51.0 | 51.8 | 52.5 | 52.7 | 52.9 | 52.9 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 | 53.1 |
| ≥ 2000 | 18.3 | 52.7 | 54.3 | 55.4 | 56.5 | 57.2 | 57.6 | 57.9 | 57.9 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 | 58.1 |
| ≥ 1800 | 18.7 | 54.9 | 56.8 | 57.9 | 59.1 | 60.0 | 60.4 | 60.8 | 60.8 | 61.1 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 | 61.3 |
| ≥ 1500 | 19.3 | 62.3 | 64.5 | 66.0 | 67.6 | 68.8 | 69.7 | 70.6 | 70.6 | 71.0 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| ≥ 1200 | 19.3 | 65.0 | 67.3 | 68.9 | 70.8 | 72.0 | 73.1 | 74.4 | 74.4 | 75.2 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 |
| ≥ 1000 | 19.4 | 67.3 | 69.8 | 71.7 | 73.7 | 75.2 | 76.3 | 78.1 | 78.1 | 79.1 | 79.9 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 |
| ≥ 900 | 19.7 | 67.9 | 70.6 | 73.2 | 75.3 | 76.8 | 78.1 | 8..2 | 80.2 | 81.4 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥ 800 | 19.7 | 68.4 | 71.3 | 74.2 | 76.5 | 78.4 | 80.1 | 82.3 | 82.3 | 83.8 | 84.5 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 |
| ≥ 700 | 19.7 | 68.6 | 71.6 | 74.7 | 77.3 | 79.2 | 81.0 | 83.3 | 83.3 | 84.8 | 85.6 | 85.6 | 85.9 | 85.9 | 85.9 | 85.9 |
| ≥ 600 | 19.7 | 68.9 | 72.0 | 75.2 | 77.9 | 80.1 | 82.1 | 84.6 | 84.6 | 86.5 | 87.5 | 87.5 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 500 | 19.7 | 69.2 | 72.2 | 75.6 | 78.4 | 80.8 | 83.0 | 86.1 | 86.1 | 88.0 | 88.9 | 88.9 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 400 | 19.8 | 69.7 | 72.7 | 76.0 | 79.0 | 82.1 | 84.4 | 88.2 | 88.2 | 90.7 | 91.8 | 91.8 | 92.6 | 92.6 | 92.6 | 92.6 |
| ≥ 300 | 19.8 | 69.7 | 72.7 | 76.0 | 79.0 | 82.4 | 85.0 | 89.4 | 89.4 | 92.5 | 93.9 | 93.9 | 95.2 | 95.2 | 95.3 | 95.3 |
| ≥ 200 | 19.8 | 69.7 | 72.7 | 76.0 | 79.0 | 82.4 | 85.1 | 89.7 | 89.7 | 93.1 | 94.8 | 94.8 | 96.9 | 96.9 | 97.1 | 97.2 |
| ≥ 100 | 19.8 | 69.7 | 72.7 | 76.0 | 79.0 | 82.4 | 85.1 | 89.7 | 89.7 | 93.1 | 95.0 | 95.0 | 97.4 | 97.9 | 98.3 | 99.1 |
| ≥ 0 | 19.8 | 69.7 | 72.7 | 76.0 | 79.0 | 82.4 | 85.1 | 89.7 | 89.7 | 93.1 | 95.0 | 95.0 | 97.4 | 97.9 | 98.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 814

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

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

1800-2000 (HOURS (LST))

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 17.1 | 22.6 | 22.8 | 23.2 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 | 23.6 |
| ≥ 20000 | 18.9 | 26.3 | 26.5 | 26.9 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 |
| ≥ 18000 | 18.9 | 26.3 | 26.5 | 26.9 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 | 27.4 |
| ≥ 16000 | 19.3 | 26.5 | 26.8 | 27.1 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 | 27.6 |
| ≥ 14000 | 19.2 | 27.0 | 27.3 | 27.6 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 | 28.1 |
| ≥ 12000 | 19.7 | 28.0 | 28.2 | 28.6 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 | 29.1 |
| ≥ 10000 | 21.5 | 30.2 | 30.5 | 30.8 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 | 31.3 |
| ≥ 9000 | 21.5 | 30.3 | 30.6 | 30.9 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 | 31.4 |
| ≥ 8000 | 22.4 | 31.9 | 32.2 | 32.6 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 | 33.0 |
| ≥ 7000 | 22.9 | 32.6 | 32.8 | 33.2 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 | 33.8 |
| ≥ 6000 | 23.9 | 33.9 | 34.2 | 34.5 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 | 35.1 |
| ≥ 5000 | 25.9 | 37.0 | 37.2 | 37.6 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 | 38.2 |
| ≥ 4500 | 27.1 | 39.1 | 39.3 | 39.7 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 | 40.4 |
| ≥ 4000 | 27.9 | 40.4 | 40.7 | 41.3 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.0 | 42.3 |
| ≥ 3500 | 29.1 | 43.1 | 43.8 | 44.4 | 45.3 | 45.3 | 45.3 | 45.4 | 45.4 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 | 45.5 |
| ≥ 3000 | 30.8 | 46.5 | 47.5 | 48.3 | 49.4 | 49.4 | 49.6 | 49.7 | 49.7 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 |
| ≥ 2500 | 31.9 | 49.9 | 51.2 | 52.3 | 53.5 | 53.6 | 53.8 | 54.0 | 54.0 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 | 54.1 |
| ≥ 2000 | 35.1 | 56.5 | 58.0 | 60.7 | 62.3 | 62.4 | 62.5 | 62.9 | 62.9 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 | 63.1 |
| ≥ 1800 | 35.8 | 58.1 | 59.7 | 62.8 | 64.4 | 64.5 | 64.6 | 65.0 | 65.0 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 | 65.2 |
| ≥ 1500 | 37.7 | 64.0 | 66.2 | 69.7 | 71.6 | 71.8 | 71.9 | 72.4 | 72.4 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| ≥ 1200 | 38.6 | 66.3 | 68.8 | 72.7 | 74.8 | 75.0 | 75.1 | 75.7 | 75.7 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| ≥ 1000 | 38.6 | 67.2 | 69.8 | 74.1 | 76.4 | 76.7 | 77.2 | 77.9 | 77.9 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| ≥ 900 | 38.8 | 67.7 | 70.7 | 75.5 | 78.2 | 78.4 | 79.2 | 79.9 | 79.9 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| ≥ 800 | 38.8 | 68.3 | 71.5 | 76.6 | 79.7 | 80.3 | 81.0 | 81.8 | 81.8 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| ≥ 700 | 38.8 | 68.4 | 71.8 | 77.3 | 80.4 | 81.0 | 82.1 | 82.9 | 82.9 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| ≥ 600 | 38.8 | 68.7 | 72.6 | 78.5 | 81.6 | 82.2 | 83.7 | 84.6 | 84.6 | 85.7 | 85.7 | 85.7 | 85.9 | 85.9 | 85.9 | 85.9 |
| ≥ 500 | 38.8 | 68.9 | 73.1 | 79.4 | 83.6 | 84.5 | 86.2 | 87.2 | 87.2 | 88.4 | 88.5 | 88.5 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 400 | 38.8 | 69.3 | 73.6 | 80.3 | 85.8 | 87.1 | 89.4 | 90.5 | 90.5 | 92.1 | 92.2 | 92.2 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 300 | 38.8 | 69.3 | 73.6 | 80.3 | 85.8 | 87.1 | 89.4 | 90.6 | 90.6 | 92.8 | 93.3 | 93.3 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 200 | 38.8 | 69.4 | 73.7 | 80.4 | 86.1 | 87.7 | 90.0 | 91.2 | 91.2 | 93.8 | 94.8 | 94.8 | 96.4 | 96.5 | 96.8 | 96.8 |
| ≥ 100 | 38.8 | 69.4 | 73.7 | 80.4 | 86.1 | 87.7 | 90.0 | 91.2 | 91.2 | 94.0 | 95.1 | 95.1 | 96.9 | 97.4 | 97.9 | 98.5 |
| 0 | 38.8 | 69.4 | 73.7 | 80.4 | 86.1 | 87.8 | 90.1 | 91.4 | 91.4 | 94.1 | 95.2 | 95.2 | 97.2 | 97.7 | 98.3 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 811

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

2037

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

[illegible] 246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

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

2100-2300 (HOURS LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 26.4 | 30.5 | 31.0 | 31.3 | 31.6 | 31.6 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 | 31.7 |
| ≥ 20000 | 27.8 | 32.1 | 32.6 | 32.9 | 33.3 | 33.3 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| ≥ 18000 | 27.8 | 32.1 | 32.6 | 32.9 | 33.3 | 33.3 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| ≥ 16000 | 27.8 | 32.1 | 32.6 | 32.9 | 33.3 | 33.3 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 | 33.4 |
| ≥ 14000 | 29.9 | 33.2 | 33.7 | 34.0 | 34.4 | 34.4 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 | 34.5 |
| ≥ 12000 | 29.9 | 33.7 | 34.2 | 34.5 | 34.9 | 34.9 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 | 35.0 |
| ≥ 10000 | 31.1 | 36.0 | 36.5 | 36.9 | 37.2 | 37.2 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| ≥ 9000 | 31.1 | 36.0 | 36.5 | 36.9 | 37.2 | 37.2 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 | 37.3 |
| ≥ 8000 | 33.0 | 38.3 | 38.8 | 39.2 | 39.6 | 39.6 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| ≥ 7000 | 33.7 | 38.9 | 39.4 | 39.8 | 40.2 | 40.2 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 | 40.3 |
| ≥ 6000 | 34.2 | 40.0 | 40.5 | 40.9 | 41.3 | 41.3 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 | 41.4 |
| ≥ 5000 | 37.1 | 43.7 | 44.3 | 44.7 | 45.1 | 45.1 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 | 45.2 |
| ≥ 4500 | 37.6 | 44.6 | 45.3 | 45.8 | 46.2 | 46.2 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| ≥ 4000 | 39.1 | 47.4 | 48.2 | 48.8 | 49.1 | 49.1 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 | 49.3 |
| ≥ 3500 | 40.2 | 49.0 | 49.9 | 50.6 | 51.0 | 51.1 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 | 51.2 |
| ≥ 3000 | 42.3 | 52.9 | 54.3 | 55.3 | 56.0 | 56.1 | 56.3 | 56.3 | 56.3 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 | 56.4 |
| ≥ 2500 | 43.7 | 55.5 | 57.1 | 58.4 | 59.3 | 59.5 | 59.6 | 59.6 | 59.6 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 | 59.7 |
| ≥ 2000 | 47.8 | 61.4 | 63.4 | 66.0 | 67.2 | 67.3 | 67.4 | 67.4 | 67.4 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 | 67.6 |
| ≥ 1800 | 48.3 | 62.3 | 64.3 | 66.8 | 68.1 | 68.2 | 68.3 | 68.3 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| ≥ 1500 | 50.6 | 66.5 | 68.8 | 71.9 | 73.2 | 73.3 | 73.6 | 73.8 | 73.8 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 | 74.0 |
| ≥ 1200 | 51.6 | 68.3 | 70.8 | 74.1 | 75.4 | 75.7 | 76.0 | 76.3 | 76.3 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| ≥ 1000 | 51.7 | 69.7 | 72.4 | 75.8 | 77.6 | 78.1 | 78.9 | 79.2 | 79.2 | 79.5 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| ≥ 900 | 51.8 | 70.3 | 73.0 | 76.5 | 78.4 | 78.9 | 79.6 | 80.0 | 80.0 | 80.3 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| ≥ 800 | 52.2 | 70.8 | 74.1 | 77.9 | 80.0 | 80.5 | 81.3 | 81.7 | 81.7 | 82.1 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥ 700 | 52.5 | 71.1 | 74.7 | 78.7 | 81.0 | 81.4 | 82.3 | 82.7 | 82.7 | 83.0 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| ≥ 600 | 52.6 | 71.6 | 75.7 | 80.0 | 82.2 | 82.9 | 84.0 | 84.5 | 84.5 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| ≥ 500 | 52.7 | 72.0 | 76.4 | 81.4 | 84.2 | 85.4 | 86.7 | 87.6 | 87.6 | 88.0 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| ≥ 400 | 52.7 | 72.2 | 76.8 | 82.1 | 85.4 | 87.7 | 90.9 | 91.9 | 91.9 | 92.4 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 300 | 52.7 | 72.2 | 76.8 | 82.1 | 85.7 | 88.1 | 91.5 | 93.0 | 93.0 | 93.7 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 200 | 52.7 | 72.2 | 76.8 | 82.2 | 85.9 | 88.3 | 91.9 | 93.6 | 93.6 | 94.8 | 95.7 | 95.7 | 95.8 | 95.9 | 96.6 | 96.7 |
| ≥ 100 | 52.7 | 72.2 | 76.8 | 82.2 | 85.9 | 88.3 | 92.1 | 93.9 | 93.9 | 95.2 | 96.1 | 96.1 | 96.4 | 96.6 | 97.4 | 98.4 |
| ≥ 0 | 52.7 | 72.2 | 76.8 | 82.2 | 85.9 | 88.3 | 92.1 | 93.9 | 93.9 | 95.2 | 96.1 | 96.1 | 96.6 | 96.7 | 98.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 814

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72[illegible]246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

ALL (HOURS (LST))

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

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 15.8 | 24.3 | 24.8 | 25.2 | 25.5 | 25.6 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.8 |
| ≥ 20000 | 17.2 | 27.6 | 28.2 | 28.6 | 29.0 | 29.1 | 29.2 | 29.2 | 29.2 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| ≥ 18000 | 17.2 | 27.6 | 28.2 | 28.6 | 29.0 | 29.1 | 29.2 | 29.2 | 29.2 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 |
| ≥ 16000 | 17.2 | 27.7 | 28.3 | 28.7 | 29.1 | 29.2 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.3 | 29.4 | 29.4 | 29.4 |
| ≥ 14000 | 17.8 | 28.4 | 29.0 | 29.4 | 29.8 | 29.9 | 30.0 | 30.0 | 30.0 | 30.0 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 | 30.1 |
| ≥ 12000 | 18.2 | 29.5 | 30.1 | 30.5 | 30.9 | 30.9 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.1 | 31.2 | 31.2 | 31.2 |
| ≥ 10000 | 19.4 | 31.8 | 32.4 | 32.8 | 33.2 | 33.3 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.5 | 33.6 | 33.6 |
| ≥ 9000 | 19.8 | 32.3 | 32.9 | 33.3 | 33.7 | 33.8 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.0 | 34.1 | 34.1 |
| ≥ 8000 | 20.5 | 33.9 | 34.6 | 35.0 | 35.4 | 35.5 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.7 | 35.8 | 35.8 |
| ≥ 7000 | 21.0 | 35.0 | 35.8 | 36.2 | 36.6 | 36.7 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 36.9 | 37.0 | 37.0 |
| ≥ 6000 | 21.7 | 36.2 | 37.0 | 37.4 | 37.8 | 37.9 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | 38.2 | 38.2 |
| ≥ 5000 | 23.2 | 38.7 | 39.5 | 40.0 | 40.4 | 40.5 | 40.7 | 40.7 | 40.7 | 40.7 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 | 40.8 |
| ≥ 4500 | 23.6 | 39.9 | 40.7 | 41.3 | 41.8 | 42.0 | 42.1 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.2 | 42.3 |
| ≥ 4000 | 24.2 | 41.0 | 42.0 | 42.7 | 43.2 | 43.4 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.6 | 43.7 | 43.7 | 43.7 |
| ≥ 3500 | 25.1 | 43.1 | 44.2 | 45.0 | 45.6 | 45.8 | 46.0 | 46.0 | 46.0 | 46.1 | 46.1 | 46.1 | 46.1 | 46.1 | 46.2 | 46.2 |
| ≥ 3000 | 26.1 | 46.1 | 47.5 | 48.3 | 49.1 | 49.3 | 49.6 | 49.6 | 49.6 | 49.7 | 49.8 | 49.8 | 49.8 | 49.8 | 49.8 | 49.9 |
| ≥ 2500 | 27.4 | 49.9 | 51.6 | 52.6 | 53.5 | 53.8 | 54.1 | 54.3 | 54.3 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.4 | 54.5 |
| ≥ 2000 | 29.8 | 55.5 | 57.7 | 59.5 | 60.7 | 61.1 | 61.5 | 61.7 | 61.7 | 61.9 | 62.0 | 62.0 | 62.0 | 62.0 | 62.0 | 62.1 |
| ≥ 1800 | 30.2 | 56.8 | 59.2 | 61.1 | 62.4 | 62.9 | 63.3 | 63.5 | 63.5 | 63.7 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 | 63.9 |
| ≥ 1500 | 31.6 | 62.0 | 64.9 | 67.2 | 68.7 | 69.3 | 70.1 | 70.5 | 70.5 | 70.8 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.1 |
| ≥ 1200 | 32.1 | 64.4 | 67.5 | 70.2 | 71.9 | 72.6 | 73.5 | 74.1 | 74.1 | 74.5 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.8 |
| ≥ 1000 | 32.4 | 66.1 | 69.6 | 72.6 | 74.6 | 75.4 | 76.4 | 77.2 | 77.2 | 77.8 | 78.1 | 78.1 | 78.2 | 78.2 | 78.2 | 78.3 |
| ≥ 900 | 32.6 | 66.6 | 70.3 | 73.5 | 75.7 | 76.6 | 77.8 | 78.6 | 78.6 | 79.3 | 79.7 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 |
| ≥ 800 | 32.7 | 67.3 | 71.2 | 74.9 | 77.3 | 78.3 | 79.7 | 80.5 | 80.5 | 81.4 | 81.8 | 81.8 | 81.9 | 81.9 | 81.9 | 82.0 |
| ≥ 700 | 32.8 | 67.9 | 72.0 | 76.0 | 78.7 | 79.8 | 81.3 | 82.2 | 82.2 | 83.1 | 83.6 | 83.6 | 83.7 | 83.8 | 83.8 | 83.8 |
| ≥ 600 | 32.9 | 68.6 | 73.2 | 77.5 | 80.6 | 81.7 | 83.5 | 84.6 | 84.6 | 85.7 | 86.3 | 86.3 | 86.5 | 86.5 | 86.5 | 86.6 |
| ≥ 500 | 32.9 | 69.0 | 73.7 | 78.6 | 82.2 | 83.6 | 85.6 | 87.0 | 87.0 | 88.3 | 88.9 | 88.9 | 89.2 | 89.3 | 89.3 | 89.4 |
| ≥ 400 | 32.9 | 69.2 | 74.1 | 79.3 | 83.5 | 85.2 | 87.9 | 89.5 | 89.5 | 91.0 | 91.8 | 91.8 | 92.2 | 92.3 | 92.3 | 92.4 |
| ≥ 300 | 32.9 | 69.3 | 74.2 | 79.3 | 83.7 | 85.5 | 88.5 | 90.4 | 90.4 | 92.2 | 93.2 | 93.2 | 93.8 | 93.9 | 94.0 | 94.0 |
| ≥ 200 | 32.9 | 69.3 | 74.2 | 79.4 | 83.9 | 85.8 | 88.9 | 91.0 | 91.0 | 93.4 | 94.9 | 94.9 | 96.0 | 96.2 | 96.5 | 96.7 |
| ≥ 100 | 32.9 | 69.3 | 74.2 | 79.4 | 83.9 | 85.8 | 88.9 | 91.1 | 91.1 | 93.5 | 95.1 | 95.1 | 96.6 | 97.0 | 97.8 | 98.7 |
| ≥ 0 | 32.9 | 69.3 | 74.2 | 79.4 | 83.9 | 85.8 | 89.0 | 91.1 | 91.1 | 93.6 | 95.2 | 95.2 | 96.8 | 97.2 | 98.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 6396

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

2038

USAF ETAC
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

72246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) ALL (MONTH)

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

ALL (HOURS L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥⅝ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 20.9 | 36.0 | 37.8 | 39.1 | 40.3 | 40.6 | 41.0 | 41.1 | 41.1 | 41.2 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 |
| ≥ 20000 | 22.6 | 40.6 | 42.7 | 44.4 | 45.7 | 46.1 | 46.5 | 46.7 | 46.7 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 47.0 |
| ≥ 18000 | 22.6 | 40.6 | 42.8 | 44.4 | 45.7 | 46.1 | 46.5 | 46.7 | 46.7 | 46.9 | 46.9 | 46.9 | 46.9 | 46.9 | 47.0 | 47.0 |
| ≥ 16000 | 22.6 | 40.7 | 42.8 | 44.4 | 45.8 | 46.1 | 46.5 | 46.7 | 46.8 | 46.9 | 46.9 | 46.9 | 47.0 | 47.0 | 47.0 | 47.0 |
| ≥ 14000 | 22.9 | 41.2 | 43.3 | 45.0 | 46.4 | 46.8 | 47.2 | 47.4 | 47.4 | 47.5 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| ≥ 12000 | 23.3 | 42.3 | 44.6 | 46.3 | 47.7 | 48.1 | 48.6 | 48.8 | 48.8 | 48.9 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 | 49.0 |
| ≥ 10000 | 24.5 | 45.1 | 47.6 | 49.5 | 51.1 | 51.5 | 52.0 | 52.2 | 52.2 | 52.4 | 52.4 | 52.4 | 52.4 | 52.4 | 52.5 | 52.5 |
| ≥ 9000 | 24.6 | 45.5 | 48.1 | 50.0 | 51.6 | 52.0 | 52.5 | 52.7 | 52.8 | 52.9 | 52.9 | 52.9 | 53.0 | 53.0 | 53.0 | 53.0 |
| ≥ 8000 | 25.1 | 46.7 | 49.4 | 51.4 | 53.0 | 53.5 | 54.0 | 54.2 | 54.2 | 54.4 | 54.4 | 54.4 | 54.5 | 54.5 | 54.5 | 54.5 |
| ≥ 7000 | 25.5 | 47.7 | 50.4 | 52.4 | 54.1 | 54.6 | 55.1 | 55.4 | 55.4 | 55.5 | 55.6 | 55.6 | 55.6 | 55.6 | 55.7 | 55.7 |
| ≥ 6000 | 26.0 | 48.7 | 51.5 | 53.6 | 55.4 | 55.9 | 56.4 | 56.7 | 56.7 | 56.8 | 56.9 | 56.9 | 56.9 | 56.9 | 56.9 | 57.0 |
| ≥ 5000 | 27.2 | 51.6 | 54.6 | 57.0 | 58.9 | 59.5 | 60.1 | 60.3 | 60.3 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.6 | 60.7 |
| ≥ 4500 | 27.5 | 52.8 | 56.0 | 58.5 | 60.5 | 61.0 | 61.7 | 61.9 | 62.0 | 62.1 | 62.2 | 62.2 | 62.2 | 62.2 | 62.3 | 62.3 |
| ≥ 4000 | 28.1 | 54.1 | 57.5 | 60.0 | 62.1 | 62.7 | 63.4 | 63.7 | 63.7 | 63.9 | 63.9 | 63.9 | 64.0 | 64.0 | 64.0 | 64.0 |
| ≥ 3500 | 28.9 | 56.1 | 59.7 | 62.4 | 64.6 | 65.2 | 65.9 | 66.2 | 66.2 | 66.4 | 66.5 | 66.5 | 66.5 | 66.6 | 66.6 | 66.6 |
| ≥ 3000 | 29.8 | 58.6 | 62.4 | 65.3 | 67.7 | 68.3 | 69.1 | 69.4 | 69.4 | 69.7 | 69.7 | 69.7 | 69.8 | 69.8 | 69.8 | 69.8 |
| ≥ 2500 | 30.8 | 61.6 | 65.7 | 68.8 | 71.3 | 72.1 | 72.9 | 73.3 | 73.3 | 73.6 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.8 |
| ≥ 2000 | 31.8 | 64.8 | 69.3 | 72.8 | 75.5 | 76.4 | 77.3 | 77.7 | 77.8 | 78.1 | 78.2 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 |
| ≥ 1800 | 32.0 | 65.6 | 70.2 | 73.7 | 76.5 | 77.3 | 78.3 | 78.8 | 78.8 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.4 |
| ≥ 1500 | 32.6 | 68.1 | 73.1 | 76.9 | 79.9 | 80.9 | 82.1 | 82.6 | 82.6 | 83.0 | 83.2 | 83.2 | 83.2 | 83.2 | 83.3 | 83.3 |
| ≥ 1200 | 32.8 | 69.3 | 74.5 | 78.6 | 81.8 | 82.8 | 84.1 | 84.7 | 84.8 | 85.2 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 |
| ≥ 1000 | 32.9 | 70.2 | 75.7 | 80.0 | 83.4 | 84.5 | 86.0 | 86.7 | 86.7 | 87.2 | 87.4 | 87.4 | 87.5 | 87.5 | 87.6 | 87.6 |
| ≥ 900 | 33.0 | 70.5 | 76.1 | 80.5 | 84.0 | 85.2 | 86.7 | 87.4 | 87.5 | 88.0 | 88.2 | 88.2 | 88.3 | 88.3 | 88.4 | 88.4 |
| ≥ 800 | 33.0 | 71.0 | 76.8 | 81.4 | 85.1 | 86.3 | 88.0 | 88.8 | 88.9 | 89.5 | 89.7 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥ 700 | 33.0 | 71.3 | 77.2 | 82.0 | 85.9 | 87.2 | 89.0 | 89.9 | 90.0 | 90.7 | 90.9 | 90.9 | 91.0 | 91.1 | 91.1 | 91.1 |
| ≥ 600 | 33.0 | 71.6 | 77.7 | 82.7 | 86.8 | 88.3 | 90.3 | 91.4 | 91.4 | 92.3 | 92.6 | 92.6 | 92.7 | 92.7 | 92.8 | 92.8 |
| ≥ 500 | 33.1 | 71.8 | 78.0 | 83.3 | 87.4 | 89.2 | 91.5 | 92.8 | 92.8 | 93.8 | 94.2 | 94.2 | 94.4 | 94.4 | 94.4 | 94.5 |
| ≥ 400 | 33.1 | 71.9 | 78.2 | 83.6 | 88.2 | 89.9 | 92.5 | 94.0 | 94.1 | 95.3 | 95.8 | 95.8 | 96.0 | 96.1 | 96.1 | 96.2 |
| ≥ 300 | 33.1 | 71.9 | 78.2 | 83.7 | 88.3 | 90.1 | 92.9 | 94.5 | 94.6 | 96.1 | 96.7 | 96.7 | 97.0 | 97.0 | 97.1 | 97.1 |
| ≥ 200 | 33.1 | 71.9 | 78.2 | 83.7 | 88.4 | 90.2 | 93.1 | 94.8 | 94.9 | 96.7 | 97.5 | 97.5 | 98.1 | 98.2 | 98.4 | 98.4 |
| ≥ 100 | 33.1 | 71.9 | 78.2 | 83.7 | 88.4 | 90.2 | 93.1 | 94.8 | 94.9 | 96.7 | 97.7 | 97.7 | 98.4 | 98.5 | 99.0 | 99.3 |
| ≥ 0 | 33.1 | 71.9 | 78.2 | 83.7 | 88.4 | 90.2 | 93.1 | 94.9 | 95.0 | 96.8 | 97.7 | 97.7 | 98.5 | 98.6 | 99.1 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 76494

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

## 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

NOTE: PERCENTAGES IN OTHER TENTHS CLASSES SHOULD BE DISREGARDED, BECAUSE THEY ARE NOT STATISTICALLY SIGNIFICANT.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SKY COVER

72 246 — STATION
MANSFIELD LAHM MAP OH — STATION NAME
73-81 — PERIOD
JAN — 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 | | |
| JAN | 00-02 | 21.7 | | | 7.4 | | | | | | 8.6 | 62.3 | 7.2 | 815 |
| | 03-05 | 20.6 | | | 7.8 | | | | | | 8.4 | 63.3 | 7.3 | 811 |
| | 06-08 | 12.2 | | | 9.2 | | | | | | 9.6 | 69.0 | 8.0 | 827 |
| | 09-11 | 9.0 | | | 10.9 | | | | | | 12.9 | 67.2 | 8.2 | 819 |
| | 12-14 | 7.9 | | | 12.8 | | | | | | 14.4 | 64.9 | 8.2 | 806 |
| | 15-17 | 8.7 | | | 10.4 | | | | | | 16.2 | 64.7 | 8.2 | 817 |
| | 18-20 | 15.4 | | | 12.6 | | | | | | 11.9 | 60.1 | 7.5 | 824 |
| | 21-23 | 18.8 | | | 11.6 | | | | | | 12.5 | 57.1 | 7.2 | 816 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 14.3 | | | 10.3 | | | | | | 11.8 | 63.6 | 7.7 | 6535 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SKY COVER

| 725246 | MANSFIELD LAHM MAP OH | 73-81 | FEB |
|---|---|---|---|
| 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 | | |
| FEB | 00-02 | 27.8 | | | 7.2 | | | | | | 11.1 | 53.9 | 6.6 | 748 |
| | 03-05 | 23.7 | | | 9.1 | | | | | | 9.5 | 57.7 | 6.9 | 750 |
| | 06-08 | 14.4 | | | 11.0 | | | | | | 12.2 | 62.4 | 7.7 | 752 |
| | 09-11 | 14.0 | | | 12.6 | | | | | | 15.2 | 58.2 | 7.6 | 749 |
| | 12-14 | 11.1 | | | 12.5 | | | | | | 20.8 | 55.6 | 7.8 | 746 |
| | 15-17 | 10.5 | | | 14.3 | | | | | | 17.5 | 57.7 | 7.8 | 749 |
| | 18-20 | 16.0 | | | 15.8 | | | | | | 13.8 | 54.4 | 7.2 | 752 |
| | 21-23 | 25.4 | | | 11.7 | | | | | | 10.9 | 51.9 | 6.5 | 751 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 17.9 | | | 11.8 | | | | | | 13.9 | 56.5 | 7.3 | 5997 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SKY COVER

725246 — STATION
MANSFIELD LAHM MAP OH — STATION NAME
73-81 — PERIOD
MAR — 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 | | |
| MAR | 00-02 | 27.9 | | | 11.9 | | | | | | 8.6 | 51.6 | 6.3 | 825 |
| | 03-05 | 25.4 | | | 9.7 | | | | | | 8.5 | 56.3 | 6.7 | 822 |
| | 06-08 | 16.4 | | | 13.8 | | | | | | 10.7 | 59.1 | 7.3 | 819 |
| | 09-11 | 16.0 | | | 10.3 | | | | | | 15.6 | 58.1 | 7.5 | 826 |
| | 12-14 | 11.5 | | | 11.7 | | | | | | 17.6 | 59.2 | 7.9 | 824 |
| | 15-17 | 9.8 | | | 11.1 | | | | | | 19.1 | 60.0 | 8.1 | 823 |
| | 18-20 | 13.3 | | | 13.3 | | | | | | 17.8 | 55.5 | 7.6 | 818 |
| | 21-23 | 25.6 | | | 13.3 | | | | | | 10.7 | 50.4 | 6.4 | 820 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 18.2 | | | 11.9 | | | | | | 13.6 | 56.3 | 7.2 | 6577 |

USAPETAC FORM AUG 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SKY COVER

725246 — STATION
MANSFIELD LAHM MAP OH — STATION NAME
73-81 — PERIOD
APR — 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 | | |
| APR | 00-02 | 34.2 | | | 13.3 | | | | | | 11.1 | 41.4 | 5.5 | 787 |
| | 03-05 | 32.1 | | | 14.5 | | | | | | 10.8 | 42.6 | 5.7 | 795 |
| | 06-08 | 21.5 | | | 13.1 | | | | | | 17.7 | 47.7 | 6.8 | 796 |
| | 09-11 | 16.9 | | | 14.7 | | | | | | 18.4 | 50.0 | 7.1 | 798 |
| | 12-14 | 12.9 | | | 14.3 | | | | | | 21.5 | 51.2 | 7.5 | 789 |
| | 15-17 | 11.6 | | | 16.6 | | | | | | 22.2 | 49.6 | 7.5 | 801 |
| | 18-20 | 15.6 | | | 19.2 | | | | | | 19.4 | 45.8 | 6.9 | 790 |
| | 21-23 | 31.8 | | | 16.6 | | | | | | 9.8 | 41.9 | 5.6 | 800 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 22.1 | | | 15.3 | | | | | | 16.4 | 46.3 | 6.6 | 6356 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SKY COVER

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (PERIOD) MAY (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 | | |
| MAY | 00-02 | 36.5 | | | 14.9 | | | | | | 12.0 | 36.5 | 5.2 | 824 |
| | 03-05 | 31.4 | | | 15.1 | | | | | | 12.5 | 41.0 | 5.7 | 827 |
| | 06-08 | 22.7 | | | 14.5 | | | | | | 17.5 | 45.3 | 6.5 | 825 |
| | 09-11 | 17.3 | | | 18.8 | | | | | | 20.4 | 43.5 | 6.8 | 820 |
| | 12-14 | 10.0 | | | 20.9 | | | | | | 27.1 | 42.1 | 7.3 | 820 |
| | 15-17 | 11.2 | | | 21.9 | | | | | | 27.6 | 39.3 | 7.1 | 822 |
| | 18-20 | 15.6 | | | 23.3 | | | | | | 21.1 | 40.1 | 6.6 | 816 |
| | 21-23 | 30.3 | | | 19.3 | | | | | | 13.2 | 37.2 | 5.5 | 819 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 21.9 | | | 18.6 | | | | | | 18.9 | 40.6 | 6.3 | 6573 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SKY COVER

72?246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (PERIOD) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JUN | 00-02 | 39.8 | | | 20.8 | | | | | | 11.6 | 27.8 | 4.4 | 794 |
| | 03-05 | 32.6 | | | 22.3 | | | | | | 15.2 | 29.9 | 5.0 | 797 |
| | 06-08 | 19.7 | | | 22.5 | | | | | | 22.2 | 35.6 | 6.2 | 792 |
| | 09-11 | 15.6 | | | 24.3 | | | | | | 28.5 | 31.6 | 6.5 | 797 |
| | 12-14 | 7.3 | | | 24.3 | | | | | | 36.3 | 32.1 | 7.2 | 797 |
| | 15-17 | 8.3 | | | 27.7 | | | | | | 33.2 | 30.8 | 6.9 | 795 |
| | 18-20 | 13.2 | | | 28.4 | | | | | | 30.4 | 28.0 | 6.4 | 793 |
| | 21-23 | 29.5 | | | 25.3 | | | | | | 18.7 | 26.5 | 5.1 | 796 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 20.8 | | | 24.5 | | | | | | 24.6 | 30.3 | 6.0 | 6361 |

USAFETAC FORM AWS 64 0-9-6 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SKY COVER

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (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 | 00-02 | 40.4 | | | 22.8 | | | | | | 13.1 | 23.7 | 4.2 | 819 |
| | 03-05 | 37.8 | | | 20.5 | | | | | | 15.6 | 26.1 | 4.6 | 813 |
| | 06-08 | 25.6 | | | 21.8 | | | | | | 22.2 | 30.3 | 5.7 | 815 |
| | 09-11 | 18.9 | | | 24.1 | | | | | | 30.4 | 26.5 | 6.1 | 825 |
| | 12-14 | 8.2 | | | 23.5 | | | | | | 42.7 | 25.6 | 7.1 | 820 |
| | 15-17 | 8.9 | | | 26.9 | | | | | | 39.7 | 24.4 | 6.8 | 828 |
| | 18-20 | 15.1 | | | 32.4 | | | | | | 30.9 | 21.6 | 5.9 | 820 |
| | 21-23 | 31.8 | | | 26.8 | | | | | | 21.9 | 19.6 | 4.7 | 818 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 23.3 | | | 24.9 | | | | | | 27.1 | 24.7 | 5.6 | 6558 |

USAFETAC FORM JUL 64 0-9-8 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SKY COVER

725246 | MANSFIELD LAHM MAP OH | 73-81 | AUG
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 | | |
| AUG | 00-02 | 38.1 | | | 23.2 | | | | | | 10.4 | 28.3 | 4.5 | 738 |
| | 03-05 | 31.7 | | | 22.8 | | | | | | 11.3 | 34.1 | 5.1 | 785 |
| | 06-08 | 17.7 | | | 22.0 | | | | | | 19.5 | 40.9 | 6.5 | 815 |
| | 09-11 | 14.5 | | | 22.9 | | | | | | 26.1 | 36.4 | 6.7 | 811 |
| | 12-14 | 5.4 | | | 24.3 | | | | | | 36.2 | 34.0 | 7.4 | 814 |
| | 15-17 | 6.4 | | | 27.3 | | | | | | 36.4 | 30.0 | 7.1 | 818 |
| | 18-20 | 12.7 | | | 29.1 | | | | | | 28.9 | 29.3 | 6.4 | 819 |
| | 21-23 | 27.1 | | | 27.5 | | | | | | 17.0 | 28.5 | 5.2 | 765 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 19.2 | | | 24.9 | | | | | | 23.2 | 32.7 | 6.1 | 6365 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SKY COVER

725246 MANSFIELD LAHM MAP OH 73-81 SEP
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 | | |
| SEP | 00-02 | 47.1 | | | 15.7 | | | | | | 11.3 | 25.8 | 4.1 | 705 |
| | 03-05 | 42.9 | | | 16.2 | | | | | | 10.3 | 30.5 | 4.5 | 764 |
| | 06-08 | 29.5 | | | 18.1 | | | | | | 15.3 | 37.2 | 5.6 | 786 |
| | 09-11 | 21.4 | | | 19.5 | | | | | | 22.1 | 37.1 | 6.3 | 796 |
| | 12-14 | 12.7 | | | 20.4 | | | | | | 32.9 | 34.0 | 7.0 | 796 |
| | 15-17 | 14.0 | | | 23.6 | | | | | | 29.0 | 33.3 | 6.7 | 792 |
| | 18-20 | 21.6 | | | 24.6 | | | | | | 23.7 | 30.1 | 5.9 | 790 |
| | 21-23 | 40.9 | | | 19.5 | | | | | | 12.6 | 27.0 | 4.4 | 763 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 28.8 | | | 19.7 | | | | | | 19.7 | 31.9 | 5.6 | 6192 |

USAFETAC FORM JUL 64 8-9-6 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SKY COVER

72?246 — STATION
MANSFIELD LAHM MAP OH — STATION NAME
73-81 — PERIOD
OCT — 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 | | |
| OCT | 00-02 | 39.5 | | | 14.0 | | | | | | 11.1 | 35.4 | 5.0 | 729 |
| | 03-05 | 39.7 | | | 11.1 | | | | | | 12.2 | 37.0 | 5.1 | 781 |
| | 06-08 | 27.0 | | | 19.0 | | | | | | 15.2 | 38.7 | 5.8 | 821 |
| | 09-11 | 22.3 | | | 16.0 | | | | | | 19.7 | 42.1 | 6.5 | 813 |
| | 12-14 | 16.3 | | | 17.3 | | | | | | 24.6 | 41.7 | 6.9 | 820 |
| | 15-17 | 17.6 | | | 19.9 | | | | | | 21.0 | 41.6 | 6.6 | 820 |
| | 18-20 | 27.8 | | | 18.4 | | | | | | 18.0 | 35.8 | 5.8 | 824 |
| | 21-23 | 34.8 | | | 17.9 | | | | | | 14.7 | 32.6 | 5.1 | 788 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 28.1 | | | 16.7 | | | | | | 17.1 | 38.1 | 5.9 | 6396 |

USAFETAC FORM AUG 64 0-9-6 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SKY COVER

2

72[illegible]246 | MANSFIELD LAHM MAP OH | 73-81 | NOV
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 | | |
| NOV | [illegible]0-02 | 27.5 | | | 8.8 | | | | | | 13.3 | 50.4 | 6.5 | 708 |
| | 03-05 | 23.9 | | | 11.9 | | | | | | 10.9 | 53.3 | 6.7 | 733 |
| | 06-08 | 19.1 | | | 10.8 | | | | | | 12 7 | 57.4 | 7.2 | 796 |
| | [illegible]9-11 | 13.0 | | | 14.5 | | | | | | 14.5 | 58.0 | 7.5 | 800 |
| | 12-14 | 9.3 | | | 16.0 | | | | | | 16.0 | 58.6 | 7.8 | 793 |
| | 15-17 | 9.6 | | | 14.1 | | | | | | 18.6 | 57.7 | 7.9 | 792 |
| | 18-20 | 22.0 | | | 12.4 | | | | | | 14.6 | 51.0 | 6.8 | 796 |
| | [illegible]1-23 | 27.0 | | | 12.2 | | | | | | 11.7 | 49.1 | 6.3 | 793 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 18.9 | | | 12.6 | | | | | | 14.0 | 54.4 | 7.1 | 6211 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# SKY COVER

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (PERIOD) DEC (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 | | |
| DEC | 00-02 | 19.5 | | | 10.3 | | | | | | 10.6 | 59.6 | 7.2 | 728 |
| | 03-05 | 19.1 | | | 9.0 | | | | | | 7.4 | 64.5 | 7.4 | 766 |
| | 06-08 | 14.3 | | | 8.6 | | | | | | 10.2 | 66.9 | 7.9 | 821 |
| | 09-11 | 7.5 | | | 12.4 | | | | | | 15.0 | 65.1 | 8.2 | 822 |
| | 12-14 | 6.3 | | | 10.1 | | | | | | 18.9 | 64.8 | 8.5 | 815 |
| | 15-17 | 7.1 | | | 11.2 | | | | | | 15.0 | 66.7 | 8.4 | 815 |
| | 18-20 | 14.5 | | | 7.5 | | | | | | 13.5 | 64.5 | 7.9 | 813 |
| | 21-23 | 17.9 | | | 12.1 | | | | | | 10.9 | 59.0 | 7.2 | 815 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 13.3 | | | 10.2 | | | | | | 12.7 | 63.9 | 7.8 | 6395 |

USAFETAC FORM JUL 64 0-9-8 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# SKY COVER

726246 (STATION) | MANSFIELD LAHM MAP OH (STATION NAME) | 73-81 (PERIOD) | ALL (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 | | |
| JAN | ALL | 14.3 | | | 10.3 | | | | | | 11.8 | 63.6 | 7.7 | 6535 |
| FEB | | 17.9 | | | 11.8 | | | | | | 13.9 | 56.5 | 7.3 | 5997 |
| MAR | | 18.2 | | | 11.9 | | | | | | 13.6 | 56.3 | 7.2 | 6577 |
| APR | | 22.1 | | | 15.3 | | | | | | 16.4 | 46.3 | 6.6 | 6356 |
| MAY | | 21.9 | | | 18.6 | | | | | | 18.9 | 40.6 | 6.3 | 6573 |
| JUN | | 20.8 | | | 24.5 | | | | | | 24.5 | 30.3 | 6.0 | 6361 |
| JUL | | 23.3 | | | 24.9 | | | | | | 27.1 | 24.7 | 5.6 | 6558 |
| AUG | | 19.2 | | | 24.9 | | | | | | 23.2 | 32.7 | 6.1 | 6365 |
| SEP | | 28.8 | | | 19.7 | | | | | | 19.7 | 31.9 | 5.6 | 6192 |
| OCT | | 28.1 | | | 16.7 | | | | | | 17.1 | 38.1 | 5.9 | 6396 |
| NOV | | 18.9 | | | 12.6 | | | | | | 14.0 | 54.4 | 7.1 | 6211 |
| DEC | | 13.3 | | | 10.2 | | | | | | 12.7 | 63.9 | 7.8 | 6395 |
| TOTALS | | 20.6 | | | 16.8 | | | | | | 17.7 | 44.9 | 6.6 | 76516 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

# PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

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

   a. Extreme maximum temperature
   b. Extreme minimum temperature

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

   (1) * indicates the extreme was selected from a month with one or more days missing.

   (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

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

Continued on Reverse

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

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

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

   b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\Sigma X^2$), sums of values ( $\Sigma X$), means ($\bar{X}$), and standard deviations ($\sigma x$). The number of observations used in the computation for each element is also shown.

   c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

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

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

   a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

   b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# DAILY TEMPERATURES

725246 MANSFIELD LAHM MAP OH 49-54, 60-81
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

| TEMP (°F) | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ≥ 95 | | | | | | .5 | .5 | .1 | .5 | | | | .1 |
| ≥ 90 | | | | | .2 | 3.9 | 9.3 | 4.3 | 3.0 | | | | 1.7 |
| ≥ 85 | | | | .1 | 3.2 | 23.6 | 35.3 | 21.5 | 10.4 | .6 | | | 7.9 |
| ≥ 80 | | | | 2.3 | 14.6 | 48.9 | 67.3 | 59.6 | 25.1 | 4.3 | | | 18.6 |
| ≥ 75 | | | .6 | 8.6 | 30.8 | 71.3 | 88.7 | 83.5 | 47.3 | 15.7 | .4 | | 29.1 |
| ≥ 70 | | | 3.9 | 18.8 | 50.1 | 88.0 | 97.8 | 94.7 | 68.2 | 29.5 | 3.1 | | 38.1 |
| ≥ 65 | .2 | .4 | 8.8 | 31.0 | 67.6 | 96.1 | 99.8 | 99.5 | 85.2 | 45.0 | 9.0 | .6 | 45.5 |
| ≥ 60 | 1.5 | 1.4 | 15.6 | 47.0 | 81.8 | 98.9 | 100.0 | 100.0 | 95.6 | 61.2 | 18.9 | 3.9 | 52.4 |
| ≥ 55 | 6.1 | 5.7 | 24.8 | 60.5 | 92.1 | 100.0 | | | 98.5 | 75.5 | 31.7 | 8.3 | 58.8 |
| ≥ 50 | 12.0 | 13.1 | 35.8 | 73.8 | 97.6 | | | | 99.6 | 88.5 | 43.8 | 14.5 | 65.1 |
| ≥ 45 | 19.1 | 21.7 | 47.7 | 86.5 | 99.1 | | | | 100.0 | 95.6 | 59.6 | 22.1 | 71.2 |
| ≥ 40 | 30.1 | 34.6 | 63.2 | 94.3 | 99.8 | | | | | 98.7 | 74.0 | 34.9 | 77.6 |
| ≥ 35 | 43.9 | 51.5 | 76.5 | 98.5 | 100.0 | | | | | 99.9 | 88.0 | 52.8 | 84.4 |
| ≥ 30 | 59.6 | 68.6 | 89.6 | 99.9 | | | | | | 100.0 | 95.4 | 72.7 | 90.6 |
| ≥ 25 | 72.8 | 80.4 | 96.5 | | | | | | | | 98.9 | 87.7 | 94.7 |
| ≥ 20 | 85.0 | 90.5 | 99.1 | 100.0 | | | | | | | 99.8 | 93.5 | 97.3 |
| ≥ 15 | 92.3 | 95.8 | 99.7 | | | | | | | | 100.0 | 97.7 | 98.8 |
| ≥ 10 | 97.0 | 98.7 | 100.0 | | | | | | | | | 99.1 | 99.6 |
| ≥ 5 | 98.8 | 100.0 | | | | | | | | | | 99.8 | 99.9 |
| ≥ 0 | 99.8 | | | | | | | | | | | 100.0 | 100.0 |
| ≥ -5 | 99.9 | | | | | | | | | | | | 100.0 |
| ≥ -10 | 100.0 | | | | | | | | | | | | 100.0 |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| MEAN | 32.9 | 35.1 | 45.3 | 58.0 | 68.8 | 78.5 | 81.8 | 80.1 | 73.6 | 62.7 | 48.1 | 36.3 | 58.4 |
| S. D. | 12.990 | 11.780 | 12.879 | 11.779 | 9.672 | 7.405 | 5.833 | 5.829 | 8.882 | 10.558 | 11.622 | 11.499 | 20.465 |
| TOTAL OBS. | 868 | 791 | 868 | 840 | 868 | 840 | 868 | 868 | 840 | 868 | 840 | 868 | 10227 |

USAFETAC FORM AIR 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# DAILY TEMPERATURES

725246 MANSFIELD LAHM MAP OH 49-54, 60-81
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

| TEMP (°F) | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ≥ 75 | | | | | | .4 | .7 | .3 | | | | | .1 |
| ≥ 70 | | | | | | 2.9 | 10.8 | 6.3 | 2.1 | | | | 1.9 |
| ≥ 65 | | | | .2 | 1.2 | 21.8 | 37.3 | 28.8 | 12.4 | .6 | | | 8.6 |
| ≥ 60 | .1 | | | 2.7 | 10.1 | 44.0 | 64.4 | 58.4 | 25.2 | 4.3 | .4 | | 17.6 |
| ≥ 55 | | | .5 | 7.7 | 25.6 | 66.1 | 84.4 | 80.2 | 45.0 | 13.4 | 2.1 | .1 | 27.3 |
| ≥ 50 | .6 | .3 | 2.9 | 14.3 | 42.7 | 85.0 | 97.0 | 93.8 | 66.5 | 25.1 | 6.2 | .9 | 36.5 |
| ≥ 45 | .9 | .9 | 5.8 | 24.2 | 63.6 | 95.6 | 99.9 | 99.3 | 84.9 | 41.5 | 12.9 | 2.4 | 44.5 |
| ≥ 40 | 2.8 | 2.8 | 13.8 | 38.8 | 82.1 | 99.4 | 100.0 | 100.0 | 95.0 | 63.8 | 24.8 | 6.1 | 52.7 |
| ≥ 35 | 7.5 | 9.2 | 23.3 | 58.5 | 94.5 | 100.0 | | | 99.6 | 81.2 | 40.1 | 12.2 | 60.7 |
| ≥ 33 | 11.2 | 12.6 | 29.3 | 68.6 | 96.9 | | | | 100.0 | 88.2 | 48.8 | 16.6 | 64.6 |
| ≥ 30 | 18.7 | 20.5 | 41.4 | 82.3 | 99.3 | | | | | 94.0 | 64.0 | 26.0 | 70.7 |
| ≥ 25 | 34.8 | 35.4 | 61.9 | 93.5 | 100.0 | | | | | 98.6 | 82.5 | 45.4 | 79.5 |
| ≥ 20 | 49.4 | 53.2 | 80.6 | 98.7 | | | | | | 100.0 | 92.9 | 63.2 | 86.6 |
| ≥ 15 | 60.5 | 65.5 | 90.0 | 99.9 | | | | | | | 97.4 | 76.5 | 90.9 |
| ≥ 10 | 72.7 | 77.2 | 96.4 | 100.0 | | | | | | | 99.4 | 86.9 | 94.5 |
| ≥ 5 | 83.3 | 85.7 | 98.5 | | | | | | | | 99.8 | 93.2 | 96.8 |
| ≥ 0 | 91.0 | 93.8 | 99.5 | | | | | | | | 100.0 | 96.9 | 98.5 |
| ≥ -5 | 97.0 | 98.4 | 99.9 | | | | | | | | | 98.4 | 99.5 |
| ≥ -10 | 98.6 | 99.7 | 100.0 | | | | | | | | | 99.9 | 99.9 |
| ≥ -15 | 99.5 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| ≥ -20 | 100.0 | | | | | | | | | | | | 100.0 |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| MEAN | 17.8 | 19.1 | 27.6 | 37.9 | 48.0 | 57.7 | 61.6 | 60.2 | 53.5 | 43.2 | 33.0 | 22.4 | 40.2 |
| S.D. | 12.783 | 11.980 | 10.407 | 9.848 | 8.592 | 7.424 | 6.395 | 6.326 | 8.511 | 9.198 | 9.807 | 11.396 | 18.235 |
| TOTAL OBS. | 868 | 791 | 868 | 840 | 868 | 840 | 868 | 868 | 840 | 868 | 840 | 868 | 10227 |

USAFETAC FORM JUL 84 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# DAILY TEMPERATURES

725246 MANSFIELD LAHM MAP OH 49-54, 60-81
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

| TEMP (°F) | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ≥ 85 | | | | | | .2 | .3 | | .2 | | | | .1 |
| ≥ 80 | | | | | | 2.7 | 9.3 | 3.9 | 2.3 | | | | 1.5 |
| ≥ 75 | | | | | .2 | 1.5 | 20.8 | 35.4 | 24.0 | 10.6 | .1 | | 7.8 |
| ≥ 70 | | | | | 1.4 | 11.2 | 47.1 | 66.2 | 60.0 | 24.4 | 3.5 | | 18.0 |
| ≥ 65 | .1 | | .1 | 7.9 | 26.8 | 70.6 | 89.5 | 84.1 | 45.7 | 13.6 | .6 | | 28.4 |
| ≥ 60 | | | 2.6 | 15.1 | 47.1 | 88.6 | 99.2 | 97.1 | 69.3 | 26.6 | 4.5 | .1 | 37.7 |
| ≥ 55 | .6 | .4 | 6.7 | 27.0 | 66.7 | 97.1 | 100.0 | 99.8 | 87.4 | 43.4 | 11.3 | 1.3 | 45.4 |
| ≥ 50 | 1.8 | 1.9 | 14.4 | 42.7 | 84.3 | 99.9 | | 100.0 | 96.3 | 63.6 | 20.4 | 3.9 | 52.7 |
| ≥ 45 | 5.9 | 6.6 | 22.8 | 60.4 | 95.0 | 100.0 | | | 99.8 | 81.7 | 35.2 | 9.8 | 60.0 |
| ≥ 40 | 14.4 | 14.2 | 36.9 | 79.2 | 98.8 | | | | 100.0 | 93.0 | 52.7 | 17.3 | 67.4 |
| ≥ 35 | 24.7 | 27.7 | 55.0 | 91.9 | 99.9 | | | | | 98.3 | 71.5 | 31.5 | 75.2 |
| ≥ 30 | 39.9 | 44.4 | 72.2 | 98.1 | 100.0 | | | | | 99.9 | 87.5 | 49.5 | 82.8 |
| ≥ 25 | 54.0 | 62.1 | 87.4 | 99.5 | | | | | | 100.0 | 94.5 | 68.5 | 88.9 |
| ≥ 20 | 68.1 | 75.1 | 94.6 | 100.0 | | | | | | | 98.6 | 83.2 | 93.4 |
| ≥ 15 | 79.5 | 84.7 | 98.3 | | | | | | | | 99.6 | 92.1 | 96.2 |
| ≥ 10 | 89.7 | 93.0 | 99.5 | | | | | | | | 100.0 | 96.0 | 98.2 |
| ≥ 5 | 95.4 | 97.6 | 100.0 | | | | | | | | | 98.6 | 99.3 |
| ≥ 0 | 98.3 | 99.5 | | | | | | | | | | 99.7 | 99.8 |
| ≥ -5 | 99.5 | 100.0 | | | | | | | | | | 99.9 | 100.0 |
| ≥ -10 | 99.9 | | | | | | | | | | | 100.0 | 100.0 |
| ≥ -15 | 100.0 | | | | | | | | | | | | 100.0 |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| ≥ | | | | | | | | | | | | | |
| MEAN | 25.5 | 27.3 | 36.5 | 48.2 | 58.7 | 68.3 | 72.0 | 70.4 | 63.8 | 53.2 | 40.8 | 29.5 | 49.5 |
| S.D. | 12.409 | 11.404 | 11.124 | 10.197 | 8.534 | 6.951 | 5.549 | 5.531 | 8.012 | 9.316 | 10.237 | 10.962 | 19.086 |
| TOTAL OBS. | 868 | 791 | 868 | 840 | 868 | 840 | 868 | 868 | 840 | 868 | 840 | 868 | 10227 |

USAFETAC FORM AS 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 49-54, 60-81 (YEARS)

WHOLE DEGREES FAHRENHEIT

| YEAR \ MONTH | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | 60 | 60 | 69 | 72 | 85 | 91 | 93 | 92 | 80 | 83 | 72 | 60 | 93 |
| 50 | 69 | 62 | 74 | 68 | 82 | 88 | 86 | 89 | 83 | 78 | 77 | 55 | 89 |
| 51 | 59 | 57 | 67 | 78 | 81 | 89 | 87 | 93 | 86 | 85 | 63 | 61 | 93 |
| 52 | 60 | 51 | 64 | 79 | 86 | 97 | 92 | 88 | 92 | 84 | 69 | 60 | 97 |
| 53 | 57 | 56 | 70 | 74 | 87 | 94 | 92 | 94 | 97 | 85 | 68 | 60 | 97 |
| 54 | 55 | 65 | 65 | 80 | 85 | 89 | 97 | 89 | 95 | 85 | 70 | 52 | 97 |
| 60 | 57 | 54 | 70 | 85 | 83 | 86 | 87 | 87 | 90 | 79 | 65 | 62 | 90 |
| 61 | 49 | 67 | 70 | 75 | 80 | 88 | 89 | 88 | 89 | 80 | 75 | 62 | 89 |
| 62 | 57 | 57 | 73 | 82 | 92 | 90 | 88 | 92 | 85 | 80 | 66 | 66 | 92 |
| 63 | 47 | 49 | 75 | 78 | 86 | 91 | 91 | 86 | 85 | 85 | 64 | 54 | 91 |
| 64 | 55 | 52 | 66 | 81 | 88 | 91 | 93 | 95 | 93 | 77 | 72 | 62 | 95 |
| 65 | 60 | 58 | 56 | 75 | 84 | 87 | 96 | 92 | 85 | 73 | 68 | 58 | 96 |
| 66 | 52 | 53 | 71 | 76 | 80 | 92 | 93 | 85 | 84 | 75 | 65 | 66 | 93 |
| 67 | 63 | 55 | 76 | 77 | 88 | 92 | 89 | 87 | 83 | 82 | 60 | 63 | 92 |
| 68 | 47 | 56 | 72 | 77 | 81 | 90 | 91 | 93 | 86 | 83 | 78 | 54 | 93 |
| 69 | 59 | 50 | 70 | 83 | 89 | 91 | 91 | 90 | 89 | 84 | 58 | 45 | 91 |
| 70 | 57 | 55 | 62 | 83 | 84 | 94 | 92 | 92 | 91 | 79 | 67 | 67 | 94 |
| 71 | 54 | 59 | 69 | 78 | 82 | 97 | 90 | 85 | 89 | 84 | 71 | 68 | 97 |
| 72 | 63 | 65 | 72 | 76 | 85 | 90 | 92 | 87 | 87 | 76 | 71 | 62 | 92 |
| 73 | 60 | 54 | 72 | 80 | 78 | 89 | 90 | 92 | 92 | 79 | 69 | 63 | 92 |
| 74 | 62 | 55 | 67 | 80 | 85 | 87 | 93 | 89 | 81 | 76 | 70 | 46 | 93 |
| 75 | 60 | 60 | 66 | 73 | 85 | 87 | 93 | 91 | 78 | 80 | 72 | 60 | 93 |
| 76 | 48 | 63 | 75 | 82 | 77 | 88 | 89 | 83 | 82 | 76 | 57 | 54 | 89 |
| 77 | 28 | 56 | 75 | 79 | 86 | 83 | 95 | 88 | 88 | 72 | 73 | 58 | 95 |
| 78 | 49 | 38 | 71 | 78 | 85 | 92 | 94 | 90 | 91 | 75 | 70 | 56 | 94 |
| 79 | 55 | 50 | 73 | 77 | 85 | 85 | 86 | 87 | 82 | 79 | 67 | 58 | 87 |
| 80 | 53 | 57 | 60 | 78 | 80 | 84 | 93 | 88 | 86 | 76 | 68 | 61 | 93 |
| 81 | 49 | 69 | 75 | 79 | 81 | 87 | 93 | 84 | 82 | 76 | 70 | 54 | 93 |
| | | | | | | | | | | | | | |
| MEAN | 55.1 | 55.9 | 69.5 | 78.0 | 83.9 | 89.6 | 91.3 | 89.1 | 86.8 | 79.5 | 68.4 | 58.8 | 92.9 |
| S.D. | 7.824 | 6.279 | 4.903 | 3.658 | 3.431 | 3.438 | 2.863 | 3.133 | 4.714 | 3.958 | 5.038 | 8.657 | 2.635 |
| TOTAL OBS. | 868 | 791 | 868 | 840 | 868 | 840 | 868 | 868 | 840 | 868 | 840 | 868 | 10227 |

NOTES * ARRIVED ON LESS THAN FULL MONTHS

1210 WB [illegible] 0-80-5 (OL-1)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 49-54, 60-81 YEARS

WHOLE DEGREES FAHRENHEIT

| MONTH / YEAR | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ALL MONTHS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 49 | -3 | 6 | 10 | 24 | 31 | 41 | 56 | 48 | 35 | 28 | 14 | 6 | -3 |
| 50 | 7 | 0 | 4 | 16 | 29 | 44 | 48 | 43 | 35 | 34 | 5 | -8 | -8 |
| 51 | 1 | -11 | 14 | 28 | 39 | 43 | 51 | 46 | 34 | 28 | 10 | -12 | -12 |
| 52 | 2 | 15 | 16 | 28 | 37 | 47 | 49 | 46 | 41 | 21 | 10 | 11 | 2 |
| 53 | 3 | 7 | 10 | 25 | 40 | 49 | 49 | 49 | 39 | 33 | 18 | 1 | 1 |
| 54 | 3 | 4 | 10 | 18 | 30 | 42 | 48 | 48 | 40 | 28 | 23 | -1 | -1 |
| 60 | 8 | 8 | -2 | 22 | 33 | 47 | 50 | 54 | 42 | 24 | 17 | -9 | -9 |
| 61 | -10 | -6 | 18 | 22 | 30 | 42 | 49 | 52 | 37 | 31 | 17 | -7 | -10 |
| 62 | -12 | -2 | 4 | 22 | 36 | 45 | 48 | 47 | 34 | 21 | 23 | -8 | -12 |
| 63 | -20 | -10 | 5 | 26 | 28 | 42 | 45 | 46 | 35 | 28 | 21 | -6 | -20 |
| 64 | -5 | 4 | 10 | 11 | 37 | 42 | 52 | 45 | 39 | 23 | 10 | 4 | -5 |
| 65 | -9 | -3 | 12 | 17 | 34 | 44 | 44 | 40 | 38 | 22 | 17 | 15 | -9 |
| 66 | -8 | 3 | 11 | 26 | 25 | 39 | 50 | 49 | 37 | 27 | 21 | 0 | -8 |
| 67 | 0 | -3 | 2 | 22 | 34 | 47 | 52 | 46 | 37 | 28 | 14 | 2 | -3 |
| 68 | -10 | -4 | 7 | 23 | 31 | 50 | 47 | 49 | 44 | 29 | 25 | 5 | -10 |
| 69 | 0 | 10 | 6 | 26 | 38 | 45 | 55 | 53 | 43 | 26 | 14 | 8 | 0 |
| 70 | -6 | -4 | 13 | 24 | 30 | 48 | 50 | 54 | 38 | 32 | 13 | 6 | -6 |
| 71 | -5 | -6 | 12 | 20 | 30 | 44 | 50 | 47 | 43 | 34 | 14 | 12 | -6 |
| 72 | -15 | -3 | 7 | 15 | 33 | 38 | 47 | 48 | 43 | 22 | 21 | 5 | -15 |
| 73 | 4 | -5 | 21 | 24 | 35 | 52 | 51 | 49 | 42 | 34 | 22 | 10 | -5 |
| 74 | -2 | 4 | -2 | 27 | 30 | 45 | 50 | 53 | 34 | 25 | 13 | 10 | -2 |
| 75 | 3 | -7 | 8 | 21 | 37 | 44 | 52 | 48 | 36 | 25 | 23 | 3 | -7 |
| 76 | -6 | -7 | 10 | 19 | 32 | 47 | 49 | 42 | 36 | 20 | 2 | -10 | -10 |
| 77 | -20 | -9 | 16 | 20 | 30 | 38 | 48 | 49 | 45 | 26 | 11 | -5 | -20 |
| 78 | -4 | -2 | -1 | 27 | 26 | 46 | 46 | 49 | 37 | 28 | 19 | 3 | -4 |
| 79 | -11 | -11 | 12 | 18 | 28 | 42 | 48 | 44 | 41 | 25 | 20 | 3 | -11 |
| 80 | 2 | -2 | -6 | 26 | 33 | 38 | 51 | 56 | 37 | 25 | 20 | -2 | -6 |
| 81 | -2 | -4 | 16 | 25 | 35 | 48 | 51 | 50 | 39 | 24 | 19 | 6 | -4 |
| | | | | | | | | | | | | | |
| MEAN | -4.1 | -1.4 | 8.7 | 22.2 | 32.5 | 46.1 | 49.4 | 48.2 | 38.6 | 26.8 | 16.3 | 1.5 | 17.3 |
| S. D. | 7.410 | 6.623 | 6.315 | 4.289 | 5.911 | 3.887 | 2.787 | 3.745 | 3.384 | 4.110 | 5.702 | 7.366 | 5.508 |
| TOTAL OBS. | 868 | 791 | 868 | 840 | 868 | 840 | 868 | 868 | 840 | 868 | 840 | 868 | 10227 |

NOTES * (BASED ON LESS THAN FULL MONTHS)

8 (AT LEAST ONE DAY LESS THAN 24 OBS)

1200 WB [illegible] 0-00-5 (OL.I)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 58/ 57 | | .4 | | .3 | | | | | | | | | | | | | | 5 | 5 | | |
| 56/ 55 | | .8 | .7 | .1 | | | | | | | | | | | | | | 9 | 9 | 3 | |
| 54/ 53 | | .3 | | .1 | .1 | | | | | | | | | | | | | 4 | 4 | 5 | 4 |
| 52/ 51 | | .1 | | | .1 | | | | | | | | | | | | | 2 | 2 | 9 | 5 |
| 50/ 49 | | .3 | | .5 | .1 | | | | | | | | | | | | | 7 | 7 | | 5 |
| 48/ 47 | .1 | .7 | .1 | .1 | .3 | | | | | | | | | | | | | 10 | 10 | 4 | 4 |
| 46/ 45 | | .5 | .3 | | | | | | | | | | | | | | | 6 | 8 | 10 | 6 |
| 44/ 43 | .1 | .4 | .7 | .3 | | | | | | | | | | | | | | 11 | 12 | 7 | 3 |
| 42/ 41 | | .4 | .1 | .7 | | | | | | | | | | | | | | 9 | 9 | 11 | 7 |
| 40/ 39 | .5 | 1.1 | .4 | | | | | | | | | | | | | | | 15 | 18 | 11 | 8 |
| 38/ 37 | .4 | 1.7 | .9 | .1 | | | | | | | | | | | | | | 24 | 24 | 19 | 4 |
| 36/ 35 | .7 | 3.0 | 2.0 | .8 | | | | | | | | | | | | | | 49 | 49 | 23 | 20 |
| 34/ 33 | .3 | 1.7 | .3 | .3 | | | | | | | | | | | | | | 19 | 22 | 39 | 26 |
| 32/ 31 | .5 | 5.8 | 1.6 | | | | | | | | | | | | | | | 60 | 68 | 34 | 33 |
| 30/ 29 | 1.5 | 4.0 | .9 | .4 | | | | | | | | | | | | | | 51 | 53 | 72 | 34 |
| 28/ 27 | .9 | 3.6 | .7 | | | | | | | | | | | | | | | 39 | 41 | 37 | 50 |
| 26/ 25 | .3 | 3.2 | .7 | | | | | | | | | | | | | | | 31 | 34 | 44 | 47 |
| 24/ 23 | 1.3 | 3.6 | .3 | | | | | | | | | | | | | | | 39 | 39 | 44 | 19 |
| 22/ 21 | 2.6 | 2.1 | .7 | | | | | | | | | | | | | | | 41 | 47 | 43 | 43 |
| 20/ 19 | 2.0 | 3.8 | .8 | | | | | | | | | | | | | | | 50 | 58 | 34 | 47 |
| 18/ 17 | .8 | 3.7 | .1 | | | | | | | | | | | | | | | 35 | 35 | 52 | 46 |
| 16/ 15 | 1.3 | 2.9 | .3 | | | | | | | | | | | | | | | 34 | 37 | 33 | 31 |
| 14/ 13 | 2.0 | 1.6 | | | | | | | | | | | | | | | | 27 | 30 | 36 | 38 |
| 12/ 11 | 2.6 | 2.0 | | | | | | | | | | | | | | | | 35 | 40 | 29 | 50 |
| 10/ 9 | 2.4 | 1.7 | | | | | | | | | | | | | | | | 31 | 39 | 36 | 45 |
| 8/ 7 | 1.2 | 1.1 | | | | | | | | | | | | | | | | 17 | 18 | 22 | 28 |
| 6/ 5 | 1.1 | .5 | | | | | | | | | | | | | | | | 12 | 13 | 14 | 15 |
| 4/ 3 | 1.6 | 1.6 | | | | | | | | | | | | | | | | 24 | 24 | 22 | 17 |
| 2/ 1 | 1.6 | 1.6 | | | | | | | | | | | | | | | | 24 | 25 | 20 | 34 |
| 0/ -1 | 1.3 | | | | | | | | | | | | | | | | | 10 | 11 | 17 | 15 |
| -2/ -3 | 1.1 | | | | | | | | | | | | | | | | | 8 | 9 | 8 | 15 |
| -4/ -5 | .5 | | | | | | | | | | | | | | | | | 4 | 7 | 4 | 13 |
| -6/ -7 | .4 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 15 |
| -8/ -9 | .7 | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 10 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -10/-11 | | | | | | | | | | | | | | | | | | | | | 5 |
| -12/-13 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 5 |
| -14/-15 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 |
| -16/-17 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| -18/-19 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 3 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | 1 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 30.6 | 53.7 | 11.4 | 3.7 | .7 | | | | | | | | | | | | | 817 | | | 756 |
| | | | | | | | | | | | | | | | | | | 756 | | 756 | |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 4974742 | 60658 | 80.2 | 11.950 | 756 | | | | | | | |
| Dry Bulb | 569792 | 18451 | 22.6 | 13.698 | 817 | 4.7 | 72.6 | | | | | 93 |
| Wet Bulb | 477076 | 16282 | 21.5 | 13.008 | 756 | 5.3 | 75.7 | | | | | 93 |
| Dew Point | 376192 | 13190 | 17.4 | 13.909 | 756 | 10.7 | 81.7 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 58/ 57 | | .3 | .3 | | | | | | | | | | | | | | | 4 | 4 | | |
| 56/ 55 | | .4 | .1 | .1 | | | | | | | | | | | | | | 5 | 5 | 4 | 1 |
| 54/ 53 | | .4 | | .3 | | | | | | | | | | | | | | 5 | 5 | 4 | 3 |
| 52/ 51 | .1 | | | .1 | .1 | | | | | | | | | | | | | 3 | 3 | 4 | 7 |
| 50/ 49 | | .3 | .3 | .3 | | | | | | | | | | | | | | 6 | 6 | 2 | 1 |
| 48/ 47 | | .5 | | .1 | .3 | | | | | | | | | | | | | 7 | 7 | 5 | 1 |
| 46/ 45 | .1 | .1 | .4 | .7 | .3 | | | | | | | | | | | | | 12 | 14 | 9 | 5 |
| 44/ 43 | | .9 | .1 | .1 | | | | | | | | | | | | | | 9 | 10 | 1 | 2 |
| 42/ 41 | .1 | .8 | .1 | | | | | | | | | | | | | | | 8 | 8 | 19 | 11 |
| 40/ 39 | .7 | .5 | .5 | | | | | | | | | | | | | | | 13 | 13 | 13 | 15 |
| 38/ 37 | .3 | 1.3 | 1.1 | .1 | | | | | | | | | | | | | | 21 | 23 | 13 | 6 |
| 36/ 35 | .5 | 3.6 | 1.6 | .4 | | | | | | | | | | | | | | 46 | 47 | 22 | 13 |
| 34/ 33 | .6 | 3.1 | .9 | | | | | | | | | | | | | | | 36 | 40 | 43 | 29 |
| 32/ 31 | .3 | 6.0 | .3 | .4 | | | | | | | | | | | | | | 52 | 52 | 46 | 32 |
| 30/ 29 | 1.6 | 3.9 | 1.1 | .4 | | | | | | | | | | | | | | 52 | 52 | 53 | 50 |
| 28/ 27 | .5 | 2.9 | .8 | | | | | | | | | | | | | | | 32 | 35 | 34 | 34 |
| 26/ 25 | 2.0 | 3.9 | .7 | | | | | | | | | | | | | | | 49 | 52 | 54 | 40 |
| 24/ 23 | 1.1 | 1.6 | .1 | | | | | | | | | | | | | | | 21 | 22 | 46 | 28 |
| 22/ 21 | 2.4 | 2.5 | .2 | | | | | | | | | | | | | | | 38 | 48 | 40 | 41 |
| 20/ 19 | 1.9 | 3.2 | .7 | | | | | | | | | | | | | | | 43 | 50 | 27 | 47 |
| 18/ 17 | 2.1 | 2.7 | | | | | | | | | | | | | | | | 36 | 37 | 45 | 45 |
| 16/ 15 | 1.9 | 2.5 | | | | | | | | | | | | | | | | 33 | 35 | 37 | 37 |
| 14/ 13 | .9 | 2.1 | | | | | | | | | | | | | | | | 23 | 26 | 21 | 25 |
| 12/ 11 | 2.3 | 2.3 | | | | | | | | | | | | | | | | 34 | 37 | 34 | 37 |
| 10/ 9 | 2.4 | 2.7 | | | | | | | | | | | | | | | | 38 | 45 | 36 | 38 |
| 8/ 7 | 1.3 | 2.2 | | | | | | | | | | | | | | | | 26 | 29 | 30 | 37 |
| 6/ 5 | .5 | .8 | | | | | | | | | | | | | | | | 10 | 11 | 19 | 20 |
| 4/ 3 | .9 | 1.3 | | | | | | | | | | | | | | | | 15 | 16 | 15 | 15 |
| 2/ 1 | 1.3 | 1.6 | | | | | | | | | | | | | | | | 22 | 23 | 21 | 27 |
| 0/ -1 | 1.6 | | | | | | | | | | | | | | | | | 12 | 12 | 19 | 20 |
| -2/ -3 | 1.5 | .4 | | | | | | | | | | | | | | | | 14 | 14 | 11 | 12 |
| -4/ -5 | .9 | | | | | | | | | | | | | | | | | 7 | 9 | 10 | 15 |
| -6/ -7 | .3 | | | | | | | | | | | | | | | | | 2 | 7 | 2 | 17 |
| -8/ -9 | .6 | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 12 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 92 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | 3 |
| -12/-13 | .4 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 8 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | 4 |
| -16/-17 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 2 |
| -18/-19 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 3 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 32.2 | 54.8 | 9.2 | 3.1 | .7 | | | | | | | | | | | | | 746 | 809 | 746 | 746 |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 72 F | ≤ 80 F | ≤ 93 F | Total |
| Dry Bulb | 5489642 | 68386 | 88.911.679 | | 746 | | | | | | | |
| Wet Bulb | 5487391 | 17819 | 22.013.893 | | 809 | 6.2 | 71.7 | | | | | 93 |
| Dew Point | 4981010 | 15798 | 21.213.233 | | 746 | 6.1 | 75.7 | | | | | 93 |
| [illegible] | 3728472 | 12872 | 17.214.272 | | 746 | 12.3 | 81.3 | | | | | 93 |

USAFETAC FORM 0-36-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | JAN MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 58/ 57 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | | |
| 56/ 55 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 3 | 3 |
| 52/ 51 | .1 | .2 | .2 | | | | | | | | | | | | | | | 5 | 5 | 1 | 1 |
| 50/ 49 | | .2 | .1 | | | | | | | | | | | | | | | 3 | 3 | 2 | 2 |
| 48/ 47 | | 1.0 | .4 | | | | | | | | | | | | | | | 11 | 11 | 4 | |
| 46/ 45 | .1 | .4 | .5 | .6 | | | | | | | | | | | | | | 13 | 13 | 11 | 10 |
| 44/ 43 | .1 | .9 | | .4 | | | | | | | | | | | | | | 11 | 11 | 11 | 7 |
| 42/ 41 | .1 | 1.2 | | | | | | | | | | | | | | | | 11 | 11 | 14 | 14 |
| 40/ 39 | .1 | .6 | .1 | | | | | | | | | | | | | | | 7 | 7 | 10 | 7 |
| 38/ 37 | .6 | 1.7 | .2 | | | | | | | | | | | | | | | 21 | 21 | 13 | 5 |
| 36/ 35 | 1.3 | 2.1 | .2 | | | | | | | | | | | | | | | 30 | 30 | 29 | 23 |
| 34/ 33 | 1.2 | 4.3 | .6 | .1 | | | | | | | | | | | | | | 51 | 51 | 33 | 32 |
| 32/ 31 | 2.0 | 3.9 | .4 | | | | | | | | | | | | | | | 51 | 51 | 58 | 40 |
| 30/ 29 | 1.8 | 4.0 | .5 | | | | | | | | | | | | | | | 52 | 52 | 52 | 48 |
| 28/ 27 | .6 | 2.9 | .2 | .1 | | | | | | | | | | | | | | 32 | 32 | 37 | 37 |
| 26/ 25 | 2.3 | 2.6 | .1 | | | | | | | | | | | | | | | 41 | 41 | 41 | 37 |
| 24/ 23 | 1.6 | 2.7 | .6 | .1 | | | | | | | | | | | | | | 41 | 41 | 48 | 27 |
| 22/ 21 | 1.3 | 2.3 | .4 | | | | | | | | | | | | | | | 33 | 33 | 39 | 36 |
| 20/ 19 | 2.2 | 4.3 | | | | | | | | | | | | | | | | 53 | 53 | 39 | 38 |
| 18/ 17 | 3.1 | 2.4 | .1 | | | | | | | | | | | | | | | 46 | 46 | 55 | 39 |
| 16/ 15 | 2.1 | 4.3 | | | | | | | | | | | | | | | | 52 | 52 | 46 | 47 |
| 14/ 13 | 1.8 | 1.8 | | | | | | | | | | | | | | | | 30 | 30 | 38 | 52 |
| 12/ 11 | 2.9 | 2.0 | | | | | | | | | | | | | | | | 40 | 40 | 43 | 41 |
| 10/ 9 | 2.8 | 1.6 | | | | | | | | | | | | | | | | 36 | 37 | 39 | 37 |
| 8/ 7 | 1.6 | 2.1 | | | | | | | | | | | | | | | | 30 | 34 | 28 | 46 |
| 6/ 5 | .9 | 1.6 | | | | | | | | | | | | | | | | 20 | 20 | 28 | 33 |
| 4/ 3 | 1.3 | 1.6 | | | | | | | | | | | | | | | | 24 | 24 | 24 | 23 |
| 2/ 1 | 1.0 | .7 | | | | | | | | | | | | | | | | 14 | 14 | 14 | 24 |
| 0/ -1 | 1.1 | .4 | | | | | | | | | | | | | | | | 12 | 12 | 10 | 12 |
| -2/ -3 | 1.5 | .4 | | | | | | | | | | | | | | | | 15 | 15 | 18 | 19 |
| -4/ -5 | .6 | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 14 |
| -6/ -7 | 1.3 | | | | | | | | | | | | | | | | | 9 | 9 | 9 | 19 |
| -8/ -9 | 1.0 | | | | | | | | | | | | | | | | | 8 | 8 | 6 | 6 |
| -10/-11 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 13 |

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| -12/-13 | .5 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 7 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | 6 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | 8 |
| -18/-19 | .4 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 3 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 39.4 | 54.5 | 4.8 | 1.3 | | | | | | | | | | | | | | 819 | 824 | 819 | 819 |

| Element (X) | $\Sigma_X'$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 88 F | ≤ 93 F | Total |
| Rel. Hum. | 5725264 | 67928 | 82.9 | 10.565 | 819 | | | | | | | |
| Dry Bulb | 507491 | 17209 | 20.9 | 13.414 | 824 | 6.5 | 74.5 | | | | | 93 |
| Wet Bulb | 467893 | 16429 | 20.1 | 13.004 | 819 | 6.7 | 78.1 | | | | | 93 |
| Dew Point | 391700 | 13506 | 16.5 | 14.373 | 819 | 12.5 | 81.2 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | JAN MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 61/ 59 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 1 | |
| 58/ 57 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 2 | 2 |
| 56/ 55 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | | 1 |
| 54/ 53 | | .1 | | | .1 | | | | | | | | | | | | | 2 | 2 | 1 | 1 |
| 52/ 51 | | .1 | | | .2 | | | | | | | | | | | | | 3 | 3 | 2 | 2 |
| 50/ 49 | .2 | .1 | .2 | .4 | | | | | | | | | | | | | | 8 | 8 | 2 | 2 |
| 48/ 47 | | .9 | .1 | .2 | .1 | | | | | | | | | | | | | 11 | 11 | 4 | |
| 46/ 45 | .1 | .5 | .5 | .2 | | | | | | | | | | | | | | 11 | 11 | 11 | 6 |
| 44/ 43 | | .6 | .4 | | | | | | | | | | | | | | | 8 | 8 | 9 | 8 |
| 42/ 41 | .6 | 1.4 | .6 | .1 | | | | | | | | | | | | | | 22 | 22 | 23 | 12 |
| 40/ 39 | .6 | .7 | .1 | .1 | | | | | | | | | | | | | | 13 | 13 | 15 | 14 |
| 38/ 37 | | 2.1 | .4 | .2 | | | | | | | | | | | | | | 22 | 22 | 13 | 10 |
| 36/ 35 | .9 | 1.7 | 1.1 | .2 | .1 | | | | | | | | | | | | | 33 | 33 | 26 | 23 |
| 34/ 33 | 1.6 | 4.3 | .9 | .1 | | | | | | | | | | | | | | 56 | 57 | 40 | 34 |
| 32/ 31 | 2.2 | 3.6 | .7 | .2 | | | | | | | | | | | | | | 57 | 57 | 61 | 45 |
| 30/ 29 | 1.2 | 2.3 | 1.1 | .2 | | | | | | | | | | | | | | 40 | 40 | 46 | 43 |
| 28/ 27 | .9 | 3.1 | .9 | | | | | | | | | | | | | | | 39 | 39 | 44 | 31 |
| 26/ 25 | 1.0 | 4.0 | .9 | | | | | | | | | | | | | | | 47 | 47 | 34 | 35 |
| 24/ 23 | 1.0 | 2.8 | .6 | | | | | | | | | | | | | | | [illegible] | 36 | 56 | 35 |
| 22/ 21 | 1.9 | 2.6 | .4 | | | | | | | | | | | | | | | 39 | 39 | 45 | 27 |
| 20/ 19 | 1.4 | 4.9 | .2 | | | | | | | | | | | | | | | 53 | 53 | 42 | 47 |
| 18/ 17 | 1.1 | 4.3 | | | | | | | | | | | | | | | | 44 | 44 | 45 | 40 |
| 16/ 15 | 1.6 | 4.9 | .1 | | | | | | | | | | | | | | | 54 | 54 | 56 | 47 |
| 14/ 13 | 1.7 | 2.5 | | | | | | | | | | | | | | | | 34 | 34 | 40 | 46 |
| 12/ 11 | 2.6 | 2.0 | | | | | | | | | | | | | | | | 37 | 37 | 42 | 51 |
| 10/ 9 | 1.5 | 2.6 | | | | | | | | | | | | | | | | 35 | 35 | 28 | 40 |
| 8/ 7 | .9 | 2.3 | | | | | | | | | | | | | | | | 26 | 29 | 33 | 49 |
| 6/ 5 | 1.2 | 1.0 | | | | | | | | | | | | | | | | 18 | 18 | 29 | 25 |
| 4/ 3 | .1 | .5 | | | | | | | | | | | | | | | | 5 | 5 | 7 | 20 |
| 2/ 1 | 1.2 | .9 | | | | | | | | | | | | | | | | 17 | 18 | 14 | 23 |
| 0/ -1 | .7 | .7 | | | | | | | | | | | | | | | | 12 | 12 | 9 | 17 |
| -2/ -3 | .8 | .4 | | | | | | | | | | | | | | | | 8 | 8 | 12 | 12 |
| -4/ -5 | .6 | | | | | | | | | | | | | | | | | 5 | 5 | 7 | 22 |
| -6/ -7 | .5 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 5 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref. Hem. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-8[illegible] (YEARS) JAN (MONTH)

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

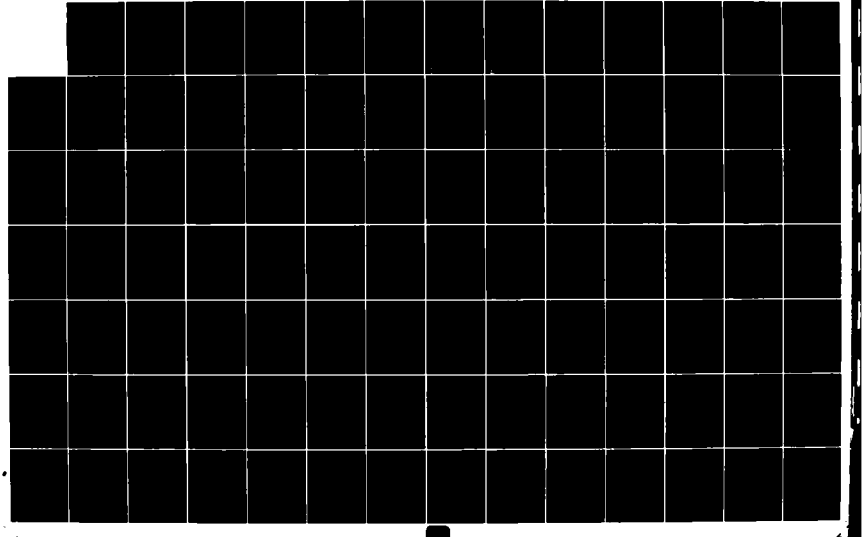
| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | |
| -8/ -9 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 7 |
| -10/-11 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 10 |
| -12/-13 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| -14/-15 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 9 |
| -16/-17 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 3 |
| -18/-19 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 2 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | 1 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | 1 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 28.9 | 59.0 | 9.3 | 2.2 | .6 | | | | | | | | | | | | | | 815 | | 810 |
| | | | | | | | | | | | | | | | | | | 810 | | 810 | |

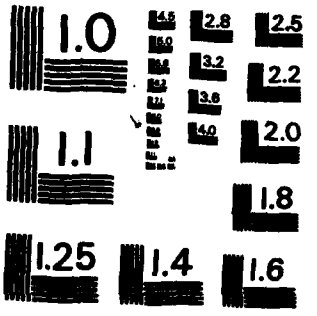
| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 5310126 | 64856 | 80.1 | 12.034 | 810 | | | | | | | |
| Dry Bulb | 558793 | 18575 | 22.8 | 12.899 | 815 | 4.1 | 70.9 | | | | | 93 |
| Wet Bulb | 502845 | 17505 | 21.6 | 12.408 | 810 | 4.5 | 75.9 | | | | | 93 |
| Dew Point | 403744 | 14134 | 17.4 | 13.936 | 810 | 10.4 | 79.8 | | | | | 93 |

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

AD-A122 714 MANSFIELD/LAHM MAP OHIO REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 03 AUG 82

UNCLASSIFIED USAFETAC/DS-82/048 SBI-AD-E850 207 F/G 4/2 NL






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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725296 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 62/ 61 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | | |
| 60/ 59 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | | |
| 58/ 57 | | .1 | .1 | | .3 | .1 | | | | | | | | | | | | 5 | 5 | 2 | |
| 56/ 55 | | | | | .1 | .3 | | | | | | | | | | | | 3 | 3 | 2 | 3 |
| 54/ 53 | | | .3 | | .5 | | | | | | | | | | | | | 6 | 6 | | 1 |
| 52/ 51 | | .6 | .1 | .3 | .1 | | | | | | | | | | | | | 9 | 9 | 1 | |
| 50/ 49 | | .3 | .4 | .3 | | | | | | | | | | | | | | 7 | 7 | 10 | 4 |
| 48/ 47 | .1 | .4 | .1 | .4 | | | | | | | | | | | | | | 8 | 8 | 10 | 5 |
| 46/ 45 | .1 | 1.0 | .3 | .4 | | .1 | | | | | | | | | | | | 15 | 15 | 12 | 6 |
| 44/ 43 | .3 | .8 | .4 | .5 | .3 | .1 | | | | | | | | | | | | 18 | 18 | 17 | 11 |
| 42/ 41 | .1 | .4 | 1.0 | .3 | | | | | | | | | | | | | | 14 | 14 | 8 | 10 |
| 40/ 39 | .3 | .9 | .4 | .1 | .1 | .3 | | | | | | | | | | | | 16 | 16 | 16 | 7 |
| 38/ 37 | .4 | 1.0 | 1.8 | 1.5 | | .3 | | | | | | | | | | | | 39 | 39 | 18 | 20 |
| 36/ 35 | .6 | 3.8 | 1.4 | .6 | | | | | | | | | | | | | | 51 | 51 | 25 | 16 |
| 34/ 33 | 1.5 | 2.6 | 1.3 | .6 | .1 | | | | | | | | | | | | | 49 | 49 | 65 | 33 |
| 32/ 31 | 1.3 | 3.5 | 1.3 | .4 | | | | | | | | | | | | | | 51 | 51 | 53 | 50 |
| 30/ 29 | 1.3 | 2.3 | 1.9 | | | | | | | | | | | | | | | 43 | 43 | 53 | 37 |
| 28/ 27 | 1.1 | 2.9 | 2.3 | .1 | | | | | | | | | | | | | | 51 | 51 | 48 | 39 |
| 26/ 25 | .4 | 5.6 | 2.4 | | | | | | | | | | | | | | | 67 | 67 | 39 | 41 |
| 24/ 23 | .3 | 3.0 | .9 | | | | | | | | | | | | | | | 33 | 33 | 76 | 21 |
| 22/ 21 | .9 | 3.5 | 1.6 | | | | | | | | | | | | | | | 45 | 45 | 42 | 32 |
| 20/ 19 | .5 | 4.4 | 1.1 | | | | | | | | | | | | | | | 48 | 49 | 42 | 58 |
| 18/ 17 | | 4.3 | 1.0 | | | | | | | | | | | | | | | 42 | 42 | 43 | 40 |
| 16/ 15 | .5 | 4.4 | 1.3 | | | | | | | | | | | | | | | 48 | 48 | 50 | 55 |
| 14/ 13 | .8 | 3.9 | .3 | | | | | | | | | | | | | | | 39 | 39 | 47 | 42 |
| 12/ 11 | | 2.4 | | | | | | | | | | | | | | | | 19 | 19 | 33 | 40 |
| 10/ 9 | .1 | 1.5 | | | | | | | | | | | | | | | | 13 | 14 | 19 | 56 |
| 8/ 7 | .6 | 1.3 | | | | | | | | | | | | | | | | 15 | 18 | 18 | 32 |
| 6/ 5 | .5 | 1.0 | | | | | | | | | | | | | | | | 12 | 12 | 13 | 31 |
| 4/ 3 | .1 | .6 | | | | | | | | | | | | | | | | 7 | 7 | 10 | 17 |
| 2/ 1 | .1 | 1.1 | | | | | | | | | | | | | | | | 10 | 12 | 9 | 20 |
| 0/ -1 | .5 | | | | | | | | | | | | | | | | | 4 | 4 | 8 | 15 |
| -2/ -3 | .2 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 18 |
| -4/ -5 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 12 |

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | JAN MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 6 |
| -8/ -9 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 7 |
| -10/-11 | .6 | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 3 |
| -12/-13 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | 7 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | 13.1 | 57.6 | 21.3 | 5.4 | 1.5 | 1.1 | | | | | | | | | | | | 799 | 806 | 799 | 799 |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 88 F | ≤ 92 F | Total |
| Rel. Hum. | 4538926 | 59145 | 74.0 | 14.228 | 799 | | | | | | | |
| Dry Bulb | 663039 | 20873 | 25.9 | 12.335 | 806 | 1.6 | 65.1 | | | | | 93 |
| Wet Bulb | 568238 | 19188 | 24.0 | 11.608 | 799 | 2.1 | 71.4 | | | | | 93 |
| Dew Point | 416706 | 14804 | 18.5 | 13.359 | 799 | 8.4 | 79.5 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 62/ 61 | | | .1 | .1 | | | | | | | | | | | | | | 2 | 2 | | |
| 60/ 59 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | | |
| 58/ 57 | | | | | .2 | .2 | | | | | | | | | | | | 4 | 4 | 3 | |
| 56/ 55 | | | | .1 | | .1 | | | | | | | | | | | | 2 | 2 | | |
| 54/ 53 | | .2 | | | .2 | | | | | | | | | | | | | 4 | 4 | | 3 |
| 52/ 51 | | .6 | .2 | .1 | .2 | | | | | | | | | | | | | 10 | 10 | 5 | 1 |
| 50/ 49 | | .2 | .2 | | | | | | | | | | | | | | | 4 | 4 | 8 | 6 |
| 48/ 47 | | .3 | .3 | .5 | | | | | | | | | | | | | | 11 | 11 | 3 | 3 |
| 46/ 45 | .1 | .2 | 1.0 | .5 | .2 | .1 | | | | | | | | | | | | 18 | 18 | 12 | 1 |
| 44/ 43 | | .6 | .4 | .3 | | | | | | | | | | | | | | 12 | 12 | 12 | 10 |
| 42/ 41 | | .3 | .9 | .1 | .1 | .4 | | | | | | | | | | | | 16 | 16 | 11 | 5 |
| 40/ 39 | | .6 | .9 | .4 | .5 | .1 | | | | | | | | | | | | 20 | 20 | 19 | 10 |
| 38/ 37 | .2 | 2.3 | 1.6 | 1.1 | .1 | | | | | | | | | | | | | 44 | 44 | 17 | 15 |
| 36/ 35 | 1.6 | 2.3 | 1.7 | 1.0 | .1 | | | | | | | | | | | | | 55 | 55 | 43 | 22 |
| 34/ 33 | 1.2 | 2.6 | 1.0 | .7 | .2 | | | | | | | | | | | | | 47 | 47 | 51 | 37 |
| 32/ 31 | .7 | 4.0 | 2.2 | .2 | | | | | | | | | | | | | | 58 | 58 | 60 | 38 |
| 30/ 29 | 1.0 | 2.6 | 1.2 | | | | | | | | | | | | | | | 39 | 39 | 60 | 39 |
| 28/ 27 | 1.2 | 3.1 | 2.3 | .4 | | | | | | | | | | | | | | 57 | 57 | 50 | 49 |
| 26/ 25 | .6 | 5.8 | 2.2 | | | | | | | | | | | | | | | 70 | 71 | 51 | 48 |
| 24/ 23 | .2 | 3.2 | .6 | | | | | | | | | | | | | | | 33 | 33 | 74 | 24 |
| 22/ 21 | | 3.3 | 2.2 | | | | | | | | | | | | | | | 45 | 45 | 41 | 45 |
| 20/ 19 | .4 | 4.8 | .7 | | | | | | | | | | | | | | | 48 | 48 | 29 | 63 |
| 18/ 17 | .5 | 4.7 | .5 | | | | | | | | | | | | | | | 46 | 46 | 57 | 40 |
| 16/ 15 | .2 | 3.6 | .6 | | | | | | | | | | | | | | | 37 | 37 | 53 | 46 |
| 14/ 13 | .2 | 2.8 | .1 | | | | | | | | | | | | | | | 26 | 28 | 26 | 36 |
| 12/ 11 | .1 | 3.0 | .2 | | | | | | | | | | | | | | | 27 | 27 | 30 | 45 |
| 10/ 9 | .4 | 1.2 | .4 | | | | | | | | | | | | | | | 20 | 22 | 31 | 54 |
| 8/ 7 | .5 | 1.5 | | | | | | | | | | | | | | | | 16 | 15 | 15 | 35 |
| 6/ 5 | | .7 | | | | | | | | | | | | | | | | 6 | 6 | 13 | 28 |
| 4/ 3 | .1 | 1.1 | | | | | | | | | | | | | | | | 10 | 11 | 10 | 17 |
| 2/ 1 | .2 | 1.4 | | | | | | | | | | | | | | | | 13 | 13 | 13 | 18 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | 4 | 14 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 8 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 21 |

| Elevation (ft) | $\Sigma x_i^2$ | $\Sigma x_i$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 95 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 20-10 0-26-3 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | JAN MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | | | Dry Bulb | Wet Bulb | Dew Point |
| -6/ -7 | .2 | | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 10 |
| -8/ -9 | .1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 5 |
| -10/-11 | .6 | | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 2 |
| -12/-13 | .1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | | 7 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | | 3 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 11.2 | 57.5 | 22.3 | 5.8 | 2.1 | 1.0 | | | | | | | | | | | | | | 819 | | 810 |
| | | | | | | | | | | | | | | | | | | | 810 | | 810 | |

| Element (X) | $\Sigma x_i^2$ | $\Sigma x_i$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Dat. Hum. | 4582656 | 59298 | 73.2 | 14.139 | 810 | | | | | | | |
| Dry Bulb | 679999 | 21411 | 26.2 | 12.089 | 819 | 1.0 | 64.6 | | | | | 93 |
| Wet Bulb | 577003 | 19588 | 24.2 | 11.309 | 810 | 1.2 | 71.9 | | | | | 93 |
| Dew Point | 411838 | 14998 | 18.5 | 13.031 | 810 | 8.2 | 80.0 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 67 / 59 | | | .4 | | | | | | | | | | | | | | | 3 | 3 | | |
| 58 / 57 | | .1 | .1 | | | | | | | | | | | | | | | 2 | 2 | | |
| 56 / 55 | .3 | .1 | .3 | | | | | | | | | | | | | | | 5 | 5 | 6 | 3 |
| 54 / 53 | | | .1 | .4 | | | | | | | | | | | | | | 4 | 4 | 2 | 4 |
| 52 / 51 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 3 | 1 |
| 50 / 49 | | | | .6 | | | | | | | | | | | | | | 5 | 5 | 1 | 3 |
| 48 / 47 | | .4 | | .4 | | | | | | | | | | | | | | 6 | 6 | 4 | 1 |
| 46 / 45 | | .5 | .3 | .4 | | | | | | | | | | | | | | 9 | 9 | 4 | 5 |
| 44 / 43 | | .6 | .6 | .1 | | | | | | | | | | | | | | 12 | 12 | 10 | 3 |
| 42 / 41 | | .8 | .9 | | .4 | | | | | | | | | | | | | 16 | 16 | 12 | 7 |
| 40 / 39 | | 1.7 | .8 | .5 | .1 | | | | | | | | | | | | | 24 | 27 | 17 | 6 |
| 38 / 37 | .5 | 2.4 | 2.0 | .3 | .3 | | | | | | | | | | | | | 41 | 42 | 20 | 15 |
| 36 / 35 | .3 | 3.1 | 1.4 | .4 | | | | | | | | | | | | | | 40 | 41 | 33 | 21 |
| 34 / 33 | .1 | 2.6 | .6 | .4 | .1 | | | | | | | | | | | | | 30 | 34 | 48 | 28 |
| 32 / 31 | .1 | 4.9 | 2.6 | .3 | | | | | | | | | | | | | | 63 | 65 | 31 | 36 |
| 30 / 29 | 1.3 | 3.7 | 2.3 | .3 | | | | | | | | | | | | | | 59 | 59 | 68 | 36 |
| 28 / 27 | 1.0 | 2.6 | .4 | | | | | | | | | | | | | | | 31 | 33 | 56 | 42 |
| 26 / 25 | .6 | 3.7 | .9 | .1 | | | | | | | | | | | | | | 42 | 44 | 45 | 48 |
| 24 / 23 | 1.2 | 4.1 | .5 | | | | | | | | | | | | | | | 45 | 46 | 59 | 34 |
| 22 / 21 | .5 | 3.6 | .4 | | | | | | | | | | | | | | | 38 | 43 | 34 | 36 |
| 20 / 19 | .6 | 4.5 | .4 | | | | | | | | | | | | | | | 44 | 49 | 35 | 65 |
| 18 / 17 | .5 | 4.2 | .4 | | | | | | | | | | | | | | | 40 | 43 | 47 | 41 |
| 16 / 15 | 1.2 | 4.4 | .1 | | | | | | | | | | | | | | | 44 | 47 | 57 | 32 |
| 14 / 13 | 1.2 | 3.3 | | | | | | | | | | | | | | | | 35 | 38 | 23 | 40 |
| 12 / 11 | 1.3 | 2.3 | .3 | | | | | | | | | | | | | | | 30 | 31 | 39 | 54 |
| 10 / 9 | .6 | 1.8 | | | | | | | | | | | | | | | | 20 | 20 | 25 | 44 |
| 8 / 7 | 1.4 | 1.7 | | | | | | | | | | | | | | | | 24 | 27 | 22 | 29 |
| 6 / 5 | .6 | 1.4 | | | | | | | | | | | | | | | | 16 | 16 | 23 | 24 |
| 4 / 3 | 1.0 | .5 | | | | | | | | | | | | | | | | 12 | 13 | 15 | 19 |
| 2 / 1 | .3 | 1.6 | | | | | | | | | | | | | | | | 16 | 16 | 9 | 23 |
| 0 / -1 | .9 | .3 | | | | | | | | | | | | | | | | 9 | 10 | 16 | 12 |
| -2 / -3 | .8 | | | | | | | | | | | | | | | | | 8 | 8 | 6 | 11 |
| -4 / -5 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 13 |
| -6 / -7 | .0 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 17 |

| Element (X) | $\Sigma_{fi}$ | $\Sigma_{fi}$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sat.-Sum. -- | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) 80 44 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| -8/ -9 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 5 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | 7 |
| -12/-13 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 5 |
| -14/-15 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 5 |
| -16/-17 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 3 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 17.9 | 61.2 | 16.0 | 4.0 | .9 | | | | | | | | | | | | | 781 | 823 | 781 | 781 |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dew Point | [illegible] | [illegible] | [illegible] | [illegible] | 781 | 9.6 | 81.6 | | | | | 93 |
| Wet Bulb | [illegible] | [illegible] | [illegible] | [illegible] | 781 | 3.9 | 73.9 | | | | | 93 |
| Dry Bulb | [illegible] | [illegible] | [illegible] | [illegible] | 823 | 2.9 | 69.6 | | | | | 93 |
| Rel. Hum. | [illegible] | [illegible] | [illegible] | [illegible] | 781 | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725296 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60/ 59 | | | .4 | | | | | | | | | | | | | | | 3 | 3 | | |
| 58/ 57 | .1 | .4 | .4 | | | | | | | | | | | | | | | 7 | 7 | 4 | 1 |
| 56/ 55 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 3 | 2 |
| 54/ 53 | | | | .1 | .1 | | | | | | | | | | | | | 2 | 2 | 3 | 4 |
| 52/ 51 | | .1 | | .1 | | | | | | | | | | | | | | 2 | 2 | 1 | 1 |
| 50/ 49 | | .3 | | .3 | | | | | | | | | | | | | | 4 | 4 | 2 | 2 |
| 48/ 47 | | .4 | .1 | .3 | .4 | | | | | | | | | | | | | 9 | 9 | 3 | 3 |
| 46/ 45 | .3 | .7 | .1 | .5 | | .1 | | | | | | | | | | | | 13 | 13 | 7 | 5 |
| 44/ 43 | .1 | .4 | .4 | .3 | | .3 | | | | | | | | | | | | 11 | 12 | 12 | 7 |
| 42/ 41 | | .1 | .7 | .3 | | | | | | | | | | | | | | 8 | 10 | 6 | 2 |
| 40/ 39 | | .5 | 1.4 | | | | | | | | | | | | | | | 15 | 17 | 10 | 4 |
| 38/ 37 | .3 | 3.3 | 1.1 | .1 | | | | | | | | | | | | | | 36 | 37 | 19 | 6 |
| 36/ 35 | .8 | 2.2 | 1.4 | | | | | | | | | | | | | | | 34 | 34 | 39 | 25 |
| 34/ 33 | .3 | 2.9 | .6 | .4 | | | | | | | | | | | | | | 30 | 33 | 34 | 23 |
| 32/ 31 | | 5.7 | 2.2 | .8 | | | | | | | | | | | | | | 66 | 72 | 29 | 41 |
| 30/ 29 | 1.3 | 3.8 | 1.6 | .5 | | | | | | | | | | | | | | 55 | 57 | 71 | 32 |
| 28/ 27 | .5 | 2.2 | .5 | | | | | | | | | | | | | | | 25 | 28 | 45 | 43 |
| 26/ 25 | .4 | 3.1 | .4 | | | | | | | | | | | | | | | 42 | 46 | 41 | 42 |
| 24/ 23 | .5 | 4.5 | | | | | | | | | | | | | | | | 38 | 40 | 53 | 29 |
| 22/ 21 | 2.4 | 2.9 | .5 | | | | | | | | | | | | | | | 44 | 47 | 43 | 36 |
| 20/ 19 | 1.1 | 4.2 | .3 | | | | | | | | | | | | | | | 42 | 48 | 33 | 67 |
| 18/ 17 | .3 | 3.3 | .3 | | | | | | | | | | | | | | | 29 | 32 | 40 | 43 |
| 16/ 15 | 1.1 | 4.7 | .3 | | | | | | | | | | | | | | | 46 | 51 | 42 | 24 |
| 14/ 13 | 1.4 | 2.9 | | | | | | | | | | | | | | | | 33 | 35 | 39 | 41 |
| 12/ 11 | 2.1 | 1.2 | | | | | | | | | | | | | | | | 25 | 27 | 32 | 43 |
| 10/ 9 | 2.1 | 1.8 | | | | | | | | | | | | | | | | 30 | 33 | 32 | 56 |
| 8/ 7 | .9 | 2.4 | | | | | | | | | | | | | | | | 25 | 28 | 24 | 23 |
| 6/ 5 | 2.2 | .9 | | | | | | | | | | | | | | | | 29 | 29 | 29 | 20 |
| 4/ 3 | .9 | .7 | | | | | | | | | | | | | | | | 12 | 13 | 15 | 29 |
| 2/ 1 | .7 | 1.3 | | | | | | | | | | | | | | | | 15 | 15 | 11 | 27 |
| 0/ -1 | 1.6 | .4 | | | | | | | | | | | | | | | | 15 | 15 | 16 | 14 |
| -2/ -3 | .7 | .5 | | | | | | | | | | | | | | | | 6 | 7 | 9 | 19 |
| -4/ -5 | .2 | | | | | | | | | | | | | | | | | 5 | 7 | 5 | 11 |
| -6/ -7 | .4 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 6 |

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

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | | 6 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | | 7 |
| -12/-13 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 | 5 |
| -14/-15 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 5 |
| -16/-17 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 | 2 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | | 1 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 23.7 | 59.1 | 12.6 | 3.7 | .5 | .4 | | | | | | | | | | | | | 817 | | 760 | |
| | | | | | | | | | | | | | | | | | | 760 | | 760 | | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 92 F | Total |
| Rel. Hum. | 4837105 | 599113 | 78.8 | 12.255 | 760 | | | | | | | |
| Dry Bulb | 876335 | 16864 | 23.1 | 13.124 | 817 | 4.2 | 72.1 | | | | | 93 |
| Wet Bulb | 576823 | 16505 | 21.7 | 12.480 | 760 | 4.7 | 75.5 | | | | | 93 |
| Dew Point | 366322 | 13191 | 17.4 | 13.583 | 760 | 9.7 | 82.6 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) 82-04 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725296 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 62/ 61 | | | .0 | .0 | | | | | | | | | | | | | | 3 | 3 | | |
| 60/ 59 | | .0 | .1 | | | | | | | | | | | | | | | 10 | 10 | 1 | |
| 58/ 57 | .0 | .2 | .1 | .0 | .1 | .0 | | | | | | | | | | | | 29 | 29 | 11 | 3 |
| 56/ 55 | .0 | .2 | .1 | .0 | .0 | .0 | | | | | | | | | | | | 28 | 28 | 21 | 13 |
| 54/ 53 | | .1 | .0 | .1 | .1 | | | | | | | | | | | | | 27 | 27 | 15 | 20 |
| 52/ 51 | .0 | .3 | .1 | .1 | .1 | | | | | | | | | | | | | 35 | 35 | 26 | 18 |
| 50/ 49 | .0 | .2 | .2 | .3 | .0 | | | | | | | | | | | | | 44 | 44 | 27 | 25 |
| 48/ 47 | .0 | .6 | .2 | .3 | .1 | | | | | | | | | | | | | 73 | 73 | 37 | 17 |
| 46/ 45 | .1 | .5 | .4 | .4 | .1 | .0 | | | | | | | | | | | | 97 | 101 | 76 | 44 |
| 44/ 43 | .1 | .7 | .4 | .3 | .0 | .0 | | | | | | | | | | | | 92 | 95 | 79 | 51 |
| 42/ 41 | .1 | .7 | .5 | .2 | .1 | .0 | | | | | | | | | | | | 104 | 106 | 104 | 68 |
| 40/ 39 | .1 | .8 | .6 | .1 | .1 | .0 | | | | | | | | | | | | 123 | 131 | 111 | 71 |
| 38/ 37 | .1 | 2.0 | 1.1 | .4 | .0 | .0 | | | | | | | | | | | | 248 | 252 | 132 | 81 |
| 36/ 35 | .6 | 2.7 | 1.4 | .4 | .0 | | | | | | | | | | | | | 338 | 340 | 240 | 163 |
| 34/ 33 | .9 | 3.0 | .7 | .1 | .1 | | | | | | | | | | | | | 318 | 333 | 353 | 242 |
| 32/ 31 | .9 | 4.7 | 1.4 | .1 | | | | | | | | | | | | | | 458 | 470 | 372 | 315 |
| 30/ 29 | 1.4 | 3.3 | 1.3 | .2 | | | | | | | | | | | | | | 391 | 395 | 475 | 319 |
| 28/ 27 | .9 | 2.9 | 1.0 | .1 | | | | | | | | | | | | | | 306 | 316 | 351 | 325 |
| 26/ 25 | 1.0 | 4.2 | 1.0 | .0 | | | | | | | | | | | | | | 389 | 402 | 349 | 338 |
| 24/ 23 | .9 | 3.2 | .5 | .0 | | | | | | | | | | | | | | 286 | 290 | 456 | 217 |
| 22/ 21 | 1.9 | 2.9 | .8 | | | | | | | | | | | | | | | 323 | 347 | 327 | 296 |
| 20/ 19 | 1.1 | 4.1 | .5 | | | | | | | | | | | | | | | 381 | 408 | 281 | 432 |
| 18/ 17 | 1.1 | 3.1 | .1 | | | | | | | | | | | | | | | 318 | 325 | 384 | 334 |
| 16/ 15 | 1.2 | 4.0 | .1 | | | | | | | | | | | | | | | 348 | 361 | 374 | 319 |
| 14/ 13 | 1.1 | 2.6 | .0 | | | | | | | | | | | | | | | 247 | 260 | 270 | 320 |
| 12/ 11 | 1.7 | 2.1 | .1 | | | | | | | | | | | | | | | 247 | 258 | 282 | 361 |
| 10/ 9 | 1.6 | 1.9 | .0 | | | | | | | | | | | | | | | 223 | 245 | 246 | 370 |
| 8/ 7 | 1.1 | 1.6 | | | | | | | | | | | | | | | | 179 | 202 | 192 | 279 |
| 6/ 5 | .9 | 1.0 | | | | | | | | | | | | | | | | 118 | 120 | 168 | 196 |
| 4/ 3 | .8 | 1.0 | | | | | | | | | | | | | | | | 109 | 113 | 118 | 157 |
| 2/ 1 | .6 | 1.1 | | | | | | | | | | | | | | | | 131 | 136 | 111 | 196 |
| 0/ -1 | 1.0 | .2 | | | | | | | | | | | | | | | | 74 | 76 | 94 | 119 |
| -2/ -3 | .7 | .2 | | | | | | | | | | | | | | | | 56 | 59 | 65 | 114 |
| -4/ -5 | .3 | | | | | | | | | | | | | | | | | 29 | 36 | 34 | 121 |

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)



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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -6/ -7 | .4 | | | | | | | | | | | | | | | | | 26 | 31 | 26 | 95 |
| -8/ -9 | .4 | | | | | | | | | | | | | | | | | 24 | 24 | 24 | 58 |
| -10/-11 | .2 | | | | | | | | | | | | | | | | | 14 | 14 | 14 | 50 |
| -12/-13 | .2 | | | | | | | | | | | | | | | | | 15 | 15 | 15 | 31 |
| -14/-15 | .1 | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 38 |
| -16/-17 | .1 | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 29 |
| -18/-19 | .1 | | | | | | | | | | | | | | | | | 8 | 8 | 8 | 17 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | 5 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | 5 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | 9 |
| TOTAL | 24.6 | 57.2 | 13.4 | 3.6 | .9 | .3 | | | | | | | | | | | | 6281 | 6530 | 6281 | 6281 |

| Element (GE) | $\bar{x}$ | $s_x$ | $\bar{x}$ | $s_x$ | No. Obs. | Hours No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | [illegible] | [illegible] | [illegible] | [illegible] | 6530 | 31.3 | 868.9 | | | | | 744 |
| Wet Bulb | [illegible] | [illegible] | [illegible] | [illegible] | 6281 | 24.8 | 597.8 | | | | | 744 |
| Dew Point | [illegible] | [illegible] | [illegible] | [illegible] | 6281 | 31.8 | 847.8 | | | | | 744 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 58/ 57 | | .3 | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 |
| 56/ 55 | | .1 | .1 | | | .1 | .3 | | | | | | | | | | | 5 | 5 | 1 | 1 |
| 54/ 53 | .4 | .3 | .1 | | | .6 | | | | | | | | | | | | 10 | 10 | 4 | 3 |
| 52/ 51 | | .6 | .1 | | .1 | | | | | | | | | | | | | 6 | 6 | 3 | 1 |
| 50/ 49 | | 1.2 | .1 | .3 | .3 | | | | | | | | | | | | | 13 | 13 | 5 | 6 |
| 46/ 47 | .3 | 1.0 | | | .9 | .3 | | | | | | | | | | | | 17 | 17 | 12 | 9 |
| 46/ 45 | .7 | .3 | .1 | .3 | .6 | | | | | | | | | | | | | 14 | 14 | 14 | 12 |
| 44/ 43 | | .6 | | | .1 | .1 | | | | | | | | | | | | 6 | 6 | 12 | 6 |
| 42/ 41 | .1 | .3 | 1.2 | .9 | .3 | | | | | | | | | | | | | 19 | 20 | 8 | 5 |
| 40/ 39 | | 1.0 | .9 | .7 | | | | | | | | | | | | | | 18 | 20 | 11 | 2 |
| 38/ 37 | .7 | 1.2 | .4 | .4 | .1 | | | | | | | | | | | | | 20 | 20 | 31 | 6 |
| 36/ 35 | .9 | 3.1 | .1 | .6 | | | | | | | | | | | | | | 32 | 39 | 22 | 20 |
| 34/ 33 | 1.2 | 2.9 | 1.3 | .1 | | | | | | | | | | | | | | 35 | 38 | 37 | 26 |
| 32/ 31 | .9 | 2.0 | 2.2 | .7 | .1 | | | | | | | | | | | | | 41 | 48 | 32 | 40 |
| 30/ 29 | .1 | 3.1 | 1.6 | .1 | | | | | | | | | | | | | | 34 | 41 | 29 | 24 |
| 28/ 27 | .4 | 3.4 | .6 | .1 | | | | | | | | | | | | | | 31 | 36 | 43 | 23 |
| 26/ 25 | .3 | 4.7 | .3 | | | | | | | | | | | | | | | 36 | 38 | 41 | 26 |
| 24/ 23 | .6 | 3.1 | .6 | | | | | | | | | | | | | | | 29 | 33 | 44 | 27 |
| 22/ 21 | 1.2 | 2.9 | 1.0 | | | | | | | | | | | | | | | 32 | 38 | 33 | 36 |
| 20/ 19 | .7 | 4.1 | .9 | | | | | | | | | | | | | | | 39 | 43 | 25 | 57 |
| 18/ 17 | 1.6 | 3.4 | | | | | | | | | | | | | | | | 34 | 34 | 47 | 38 |
| 16/ 15 | 1.5 | 3.4 | | | | | | | | | | | | | | | | 33 | 33 | 40 | 34 |
| 14/ 13 | .3 | 2.6 | | | | | | | | | | | | | | | | 20 | 20 | 12 | 34 |
| 12/ 11 | 2.9 | 1.5 | .1 | | | | | | | | | | | | | | | 31 | 33 | 42 | 38 |
| 10/ 9 | 1.8 | 2.8 | | | | | | | | | | | | | | | | 31 | 36 | 23 | 28 |
| 8/ 7 | 1.3 | 2.8 | | | | | | | | | | | | | | | | 28 | 30 | 30 | 40 |
| 6/ 5 | 1.2 | 1.5 | | | | | | | | | | | | | | | | 18 | 19 | 29 | 17 |
| 4/ 3 | .8 | 1.3 | | | | | | | | | | | | | | | | 13 | 15 | 14 | 22 |
| 2/ 1 | .3 | 1.6 | | | | | | | | | | | | | | | | 13 | 13 | 5 | 26 |
| 0/ -1 | 1.3 | .8 | | | | | | | | | | | | | | | | 13 | 13 | 18 | 18 |
| -2/ -3 | .9 | .1 | | | | | | | | | | | | | | | | 7 | 8 | 10 | 16 |
| -4/ -5 | .8 | | | | | | | | | | | | | | | | | 4 | 6 | 5 | 12 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 5 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 6 |

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

FORM AS-14 0-26-5 (OL A) USAFETAC REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

PAGE 2 0000-0200 (HOURS (L. S. T.))

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| -1 /-11 | | | | | | | | | | | | | | | | | | | | | 5 |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | 3 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | 7 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | 1 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 22.8 | 56.7 | 12.0 | 4.4 | 2.6 | 1.2 | .3 | | | | | | | | | | | | 747 | | 684 |
| | | | | | | | | | | | | | | | | | | 684 | | 684 | |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 4205690 | 52756 | 77.1 | 14.147 | 684 | | | | | | | |
| Dry Bulb | 582315 | 18169 | 24.3 | 13.719 | 747 | 3.0 | 60.4 | | | | | 84 |
| Wet Bulb | 466400 | 15500 | 22.7 | 12.985 | 684 | 4.1 | 64.1 | | | | | 84 |
| Dew Point | 355188 | 12222 | 17.9 | 14.152 | 684 | 9.2 | 71.8 | | | | | 84 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 61 / 59 | | .3 | | | | | | | | | | | | | | | | 2 | 2 | | |
| 58 / 57 | | | | | | | | | | | | | | | | | | | | 2 | 2 |
| 54 / 53 | .1 | | | | | .3 | | | | | | | | | | | | 3 | 3 | 1 | 1 |
| 52 / 51 | .4 | .9 | .1 | .1 | .4 | .1 | | | | | | | | | | | | 15 | 15 | 3 | 3 |
| 51 / 49 | .3 | 1.2 | | .6 | .3 | | | | | | | | | | | | | 16 | 16 | 10 | 9 |
| 48 / 47 | | .3 | .4 | .3 | .7 | | | | | | | | | | | | | 12 | 12 | 8 | 6 |
| 46 / 45 | .7 | .7 | .1 | .7 | .1 | | | | | | | | | | | | | 17 | 17 | 8 | 7 |
| 44 / 43 | .1 | | | .3 | | | | | | | | | | | | | | 3 | 3 | 18 | 6 |
| 42 / 41 | .1 | .6 | .6 | 1.3 | .4 | | | | | | | | | | | | | 21 | 21 | 11 | 4 |
| 41 / 39 | .4 | .7 | 1.3 | .1 | | | | | | | | | | | | | | 18 | 21 | 15 | 7 |
| 38 / 37 | .7 | .4 | .4 | .6 | | | | | | | | | | | | | | 15 | 15 | 17 | 8 |
| 36 / 35 | .9 | 3.1 | .6 | | | | | | | | | | | | | | | 31 | 34 | 26 | 19 |
| 34 / 33 | .9 | 3.5 | 1.2 | .4 | .4 | | | | | | | | | | | | | 44 | 50 | 39 | 22 |
| 32 / 31 | .6 | 3.1 | 1.6 | | | | | | | | | | | | | | | 36 | 45 | 37 | 42 |
| 31 / 29 | .4 | 3.4 | .9 | | | | | | | | | | | | | | | 32 | 37 | 28 | 22 |
| 28 / 27 | .7 | 3.6 | .6 | | | | | | | | | | | | | | | 34 | 38 | 47 | 34 |
| 26 / 25 | .9 | 3.9 | .6 | | | | | | | | | | | | | | | 37 | 42 | 38 | 28 |
| 24 / 23 | .4 | 2.2 | .7 | | | | | | | | | | | | | | | 23 | 26 | 34 | 35 |
| 22 / 21 | 1.2 | 4.5 | .7 | | | | | | | | | | | | | | | 44 | 50 | 31 | 31 |
| 20 / 19 | 1.3 | 2.8 | .4 | | | | | | | | | | | | | | | 31 | 33 | 40 | 35 |
| 18 / 17 | .9 | 2.5 | .1 | | | | | | | | | | | | | | | 24 | 25 | 31 | 37 |
| 16 / 15 | .9 | 2.8 | | | | | | | | | | | | | | | | 25 | 25 | 32 | 39 |
| 14 / 13 | .7 | 2.8 | | | | | | | | | | | | | | | | 24 | 24 | 15 | 34 |
| 12 / 11 | 2.3 | 1.9 | .1 | | | | | | | | | | | | | | | 30 | 31 | 36 | 25 |
| 10 / 9 | 1.9 | 2.8 | | | | | | | | | | | | | | | | 32 | 37 | 28 | 39 |
| 8 / 7 | 1.6 | 3.1 | | | | | | | | | | | | | | | | 32 | 35 | 35 | 37 |
| 6 / 5 | 1.3 | 1.7 | | | | | | | | | | | | | | | | 21 | 21 | 32 | 16 |
| 4 / 3 | 1.0 | 1.7 | | | | | | | | | | | | | | | | 19 | 19 | 17 | 29 |
| 2 / 1 | .1 | 2.5 | | | | | | | | | | | | | | | | 18 | 21 | 11 | 21 |
| 0 / -1 | .4 | .7 | | | | | | | | | | | | | | | | 8 | 8 | 12 | 24 |
| -2 / -3 | .9 | | | | | | | | | | | | | | | | | 6 | 6 | 11 | 13 |
| -4 / -5 | 1.5 | | | | | | | | | | | | | | | | | 10 | 11 | 10 | 11 |
| -6 / -7 | .4 | | | | | | | | | | | | | | | | | 3 | 5 | 3 | 9 |
| -8 / -9 | | | | | | | | | | | | | | | | | | | | | 7 |

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| -1 /-11 | | | | | | | | | | | | | | | | | | | | | 8 |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | 4 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | 2 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | 6 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | 24. | 357. | 610. | 6 | 4.5 | 2.5 | .4 | | | | | | | | | | | | 748 | | 686 |
| | | | | | | | | | | | | | | | | | | 686 | | 686 | |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 88 F | ≥ 93 F | Total |
| Rel. Hum. | 4278710 | 53376 | 77.8 | 13.527 | 686 | | | | | | | |
| Dry Bulb | 561629 | 17631 | 23.6 | 13.983 | 748 | 3.4 | 60.5 | | | | | 84 |
| Wet Bulb | 454440 | 15108 | 22.0 | 13.330 | 686 | 4.4 | 64.7 | | | | | 84 |
| Dew Point | 350841 | 11923 | 17.4 | 14.483 | 686 | 10.8 | 72.5 | | | | | 84 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 54/ 53 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | | |
| 52/ 51 | .7 | .9 | .1 | .1 | | | | | | | | | | | | | | 14 | 14 | 9 | 8 |
| 50/ 49 | | .3 | .8 | .3 | .3 | | | | | | | | | | | | | 12 | 12 | 6 | 4 |
| 48/ 47 | .1 | .4 | .1 | .1 | .1 | | | | | | | | | | | | | 7 | 7 | 6 | 5 |
| 46/ 45 | | .5 | .3 | .5 | .1 | | | | | | | | | | | | | 11 | 11 | 8 | 5 |
| 44/ 43 | | .9 | .4 | .9 | | | | | | | | | | | | | | 17 | 18 | 5 | 3 |
| 42/ 41 | .3 | .7 | .4 | .3 | .3 | | | | | | | | | | | | | 14 | 14 | 15 | 12 |
| 40/ 39 | .3 | .8 | .8 | .7 | .1 | | | | | | | | | | | | | 20 | 20 | 24 | 5 |
| 38/ 37 | .1 | .7 | .8 | .5 | | | | | | | | | | | | | | 16 | 16 | 13 | 9 |
| 36/ 35 | 1.6 | 1.3 | .3 | | .3 | | | | | | | | | | | | | 26 | 26 | 25 | 25 |
| 34/ 33 | 2.4 | 2.1 | .8 | .4 | | | | | | | | | | | | | | 43 | 43 | 49 | 29 |
| 32/ 31 | .9 | 4.3 | 1.9 | .1 | | | | | | | | | | | | | | 54 | 54 | 23 | 40 |
| 30/ 29 | .8 | 4.4 | .8 | | | | | | | | | | | | | | | 45 | 45 | 44 | 27 |
| 28/ 27 | 1.6 | 2.3 | | | | | | | | | | | | | | | | 29 | 29 | 66 | 35 |
| 26/ 25 | 2.0 | 4.7 | .4 | | | | | | | | | | | | | | | 53 | 53 | 39 | 40 |
| 24/ 23 | .4 | 1.3 | .9 | | | | | | | | | | | | | | | 20 | 21 | 37 | 38 |
| 22/ 21 | .9 | 2.8 | .5 | | | | | | | | | | | | | | | 32 | 32 | 22 | 37 |
| 20/ 19 | 2.1 | 4.1 | .4 | | | | | | | | | | | | | | | 50 | 50 | 52 | 40 |
| 18/ 17 | .9 | 1.9 | | | | | | | | | | | | | | | | 21 | 21 | 31 | 32 |
| 16/ 15 | 1.1 | 2.3 | | | | | | | | | | | | | | | | 25 | 25 | 22 | 32 |
| 14/ 13 | 1.1 | 3.2 | | | | | | | | | | | | | | | | 32 | 32 | 28 | 32 |
| 12/ 11 | 1.5 | 1.3 | | | | | | | | | | | | | | | | 21 | 21 | 31 | 33 |
| 10/ 9 | 2.0 | 3.5 | | | | | | | | | | | | | | | | 41 | 41 | 31 | 40 |
| 8/ 7 | 2.5 | 1.2 | | | | | | | | | | | | | | | | 28 | 29 | 40 | 26 |
| 6/ 5 | 1.5 | 1.3 | | | | | | | | | | | | | | | | 21 | 21 | 24 | 29 |
| 4/ 3 | 1.7 | 1.9 | | | | | | | | | | | | | | | | 27 | 27 | 27 | 30 |
| 2/ 1 | 1.9 | 2.3 | | | | | | | | | | | | | | | | 31 | 31 | 28 | 29 |
| 0/ -1 | .5 | .1 | | | | | | | | | | | | | | | | 5 | 5 | 10 | 15 |
| -2/ -3 | .8 | .8 | | | | | | | | | | | | | | | | 12 | 12 | 13 | 22 |
| -4/ -5 | 1.6 | .3 | | | | | | | | | | | | | | | | 14 | 14 | 13 | 17 |
| -6/ -7 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 3 | 12 |
| -8/ -9 | .1 | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 11 |
| -10/-11 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 7 |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | 2 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref. Num. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 92 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

FORM AF WA 0-26-5 (OL A) USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | Dry Bulb | Wet Bulb | Dew Point |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | | 10 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | | 5 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | 32.4 | 52.7 | 9.7 | 4.0 | 1.2 | | | | | | | | | | | | | | | 753 | | 750 |
| | | | | | | | | | | | | | | | | | | | 750 | | 750 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 4946294 | 60198 | 80.3 | 12.367 | 750 | | | | | | | |
| Dry Bulb | 523555 | 16789 | 22.3 | 16.087 | 753 | 4.4 | 63.7 | | | | | 84 |
| Wet Bulb | 464785 | 15731 | 21.0 | 13.404 | 750 | 5.0 | 66.1 | | | | | 84 |
| Dew Point | 376226 | 12666 | 16.9 | 14.630 | 750 | 11.8 | 72.2 | | | | | 84 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725296 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | FEB MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 58/ 57 | | | | | .3 | | | | | | | | | | | | | 2 | 2 | | |
| 56/ 55 | | .3 | | | .1 | | | | | | | | | | | | | 3 | 3 | | |
| 54/ 53 | | .5 | | .1 | | .3 | | | | | | | | | | | | 7 | 7 | 5 | 5 |
| 52/ 51 | .4 | .9 | | | .1 | | | | | | | | | | | | | 11 | 11 | 6 | 6 |
| 50/ 49 | | .4 | .1 | .7 | .3 | | | | | | | | | | | | | 11 | 11 | 7 | |
| 48/ 47 | .3 | .8 | | .3 | .3 | | | | | | | | | | | | | 11 | 11 | 7 | 9 |
| 46/ 45 | | .8 | .5 | .7 | .2 | | | | | | | | | | | | | 16 | 16 | 10 | 5 |
| 44/ 43 | .3 | .8 | .3 | .7 | .3 | | | | | | | | | | | | | 15 | 15 | 16 | 9 |
| 42/ 41 | .5 | .8 | .9 | .8 | .4 | | | | | | | | | | | | | 26 | 26 | 18 | 11 |
| 40/ 39 | .3 | 1.3 | 1.1 | .8 | | | | | | | | | | | | | | 26 | 26 | 19 | 6 |
| 38/ 37 | .3 | 1.6 | .1 | .4 | | | | | | | | | | | | | | 18 | 18 | 23 | 18 |
| 36/ 35 | 1.1 | 1.9 | 2.0 | .9 | .4 | | | | | | | | | | | | | 43 | 43 | 42 | 25 |
| 34/ 33 | 1.2 | 2.1 | 2.0 | .1 | | | | | | | | | | | | | | 40 | 40 | 34 | 36 |
| 32/ 31 | .6 | 3.9 | 1.9 | | | | | | | | | | | | | | | 46 | 46 | 32 | 30 |
| 30/ 29 | 1.3 | 3.2 | 1.1 | .3 | | | | | | | | | | | | | | 44 | 44 | 69 | 29 |
| 28/ 27 | 1.9 | 3.2 | 1.1 | .2 | | | | | | | | | | | | | | 46 | 46 | 36 | 41 |
| 26/ 25 | 1.2 | 3.2 | 1.2 | | | | | | | | | | | | | | | 40 | 40 | 47 | 47 |
| 24/ 23 | .8 | 2.8 | 1.3 | | | | | | | | | | | | | | | 31 | 32 | 42 | 43 |
| 22/ 21 | .6 | 2.6 | .4 | | | | | | | | | | | | | | | 30 | 30 | 33 | 31 |
| 20/ 19 | 1.1 | 4.7 | .9 | | | | | | | | | | | | | | | 47 | 47 | 33 | 32 |
| 18/ 17 | .3 | 3.1 | | | | | | | | | | | | | | | | 25 | 25 | 44 | 33 |
| 16/ 15 | .8 | 3.9 | | | | | | | | | | | | | | | | 35 | 35 | 29 | 39 |
| 14/ 13 | 1.7 | 2.5 | | | | | | | | | | | | | | | | 32 | 32 | 36 | 40 |
| 12/ 11 | .9 | 3.9 | | | | | | | | | | | | | | | | 36 | 36 | 28 | 40 |
| 10/ 9 | 1.7 | 1.7 | .4 | | | | | | | | | | | | | | | 29 | 29 | 41 | 31 |
| 8/ 7 | .8 | 1.9 | | | | | | | | | | | | | | | | 20 | 20 | 22 | 35 |
| 6/ 5 | .8 | 1.5 | | | | | | | | | | | | | | | | 17 | 17 | 27 | 30 |
| 4/ 3 | 1.1 | .9 | | | | | | | | | | | | | | | | 15 | 15 | 15 | 28 |
| 2/ 1 | .4 | 1.9 | | | | | | | | | | | | | | | | 14 | 14 | 11 | 22 |
| 0/ -1 | .4 | .1 | | | | | | | | | | | | | | | | 5 | 5 | 7 | 20 |
| -2/ -3 | .4 | .2 | | | | | | | | | | | | | | | | 4 | 4 | 6 | 11 |
| -4/ -5 | .6 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 9 |
| -6/ -7 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 6 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 9 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref. Num. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| -1 /-11 | | | | | | | | | | | | | | | | | | | | | 5 |
| -1 /-13 | | | | | | | | | | | | | | | | | | | | | 4 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | 3 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 21.0 | 57.0 | 14.4 | 5.3 | 2.0 | .3 | | | | | | | | | | | | 749 | 750 | 749 | 749 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 88 F | ≥ 93 F | Total |
| Rel. Hum. | 4586971 | 57795 | 77.2 | 13.048 | 749 | | | | | | | |
| Dry Bulb | 613543 | 19045 | 25.4 | 13.171 | 750 | 1.5 | 58.4 | | | | | 84 |
| Wet Bulb | 535258 | 17730 | 23.7 | 12.430 | 749 | 1.9 | 63.0 | | | | | 84 |
| Dew Point | 410284 | 14186 | 18.9 | 13.759 | 749 | 7.6 | 69.4 | | | | | 84 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 62/ 61 | | | | | | .1 | | | | | | | | | | | | 1 | 1 | | |
| 60/ 59 | | | | | .3 | | .4 | | | | | | | | | | | 5 | 5 | | |
| 58/ 57 | | .3 | .1 | | | .1 | .1 | | | | | | | | | | | 5 | 5 | | |
| 56/ 55 | | .8 | .4 | .1 | .1 | .3 | | | | | | | | | | | | 13 | 13 | 3 | 1 |
| 54/ 53 | | | .1 | | .3 | | | | | | | | | | | | | 3 | 3 | 6 | 7 |
| 52/ 51 | | .3 | .4 | .5 | .1 | .1 | | | | | | | | | | | | 11 | 11 | 7 | |
| 50/ 49 | | .4 | .4 | .3 | .1 | .3 | | | | | | | | | | | | 11 | 11 | 4 | 6 |
| 48/ 47 | | 1.1 | .4 | .5 | .4 | .3 | | | | | | | | | | | | 19 | 19 | 14 | 5 |
| 46/ 45 | .1 | .8 | .7 | 1.1 | .7 | .1 | | | | | | | | | | | | 26 | 26 | 19 | 7 |
| 44/ 43 | .1 | 1.2 | .5 | .5 | .9 | .1 | | | | | | | | | | | | 26 | 26 | 16 | 11 |
| 42/ 41 | .1 | .7 | 1.1 | .5 | .5 | .3 | | | | | | | | | | | | 24 | 24 | 22 | 16 |
| 40/ 39 | .4 | 1.6 | 1.5 | .9 | .3 | .1 | | | | | | | | | | | | 36 | 36 | 25 | 13 |
| 38/ 37 | .4 | 1.6 | 1.1 | .5 | .5 | | | | | | | | | | | | | 31 | 31 | 38 | 17 |
| 36/ 35 | .5 | 1.5 | 1.1 | .4 | | | | | | | | | | | | | | 26 | 27 | 31 | 33 |
| 34/ 33 | .8 | 1.3 | 1.9 | 1.1 | .1 | | | | | | | | | | | | | 39 | 39 | 43 | 30 |
| 32/ 31 | .3 | 3.9 | 3.1 | 1.5 | | | | | | | | | | | | | | 65 | 65 | 27 | 30 |
| 30/ 29 | 1.3 | 3.2 | 1.2 | .5 | .1 | | | | | | | | | | | | | 48 | 48 | 73 | 28 |
| 28/ 27 | .4 | 2.7 | 2.4 | .4 | | | | | | | | | | | | | | 44 | 44 | 43 | 35 |
| 26/ 25 | .1 | 3.6 | 2.2 | .3 | | | | | | | | | | | | | | 46 | 46 | 45 | 50 |
| 24/ 23 | | 2.7 | 1.6 | | | | | | | | | | | | | | | 32 | 32 | 55 | 31 |
| 22/ 21 | .4 | 2.4 | 2.7 | | | | | | | | | | | | | | | 41 | 41 | 41 | 39 |
| 20/ 19 | .7 | 5.0 | 1.9 | .1 | | | | | | | | | | | | | | 57 | 57 | 39 | 47 |
| 18/ 17 | | 3.8 | .3 | | | | | | | | | | | | | | | 30 | 30 | 61 | 37 |
| 16/ 15 | | 3.0 | .3 | | | | | | | | | | | | | | | 24 | 24 | 31 | 44 |
| 14/ 13 | | 3.0 | .4 | | | | | | | | | | | | | | | 25 | 25 | 23 | 43 |
| 12/ 11 | .1 | 1.2 | .3 | | | | | | | | | | | | | | | 12 | 12 | 20 | 37 |
| 10/ 9 | | 2.4 | | | | | | | | | | | | | | | | 18 | 18 | 17 | 39 |
| 8/ 7 | | 1.3 | | | | | | | | | | | | | | | | 10 | 10 | 19 | 43 |
| 6/ 5 | .1 | .8 | | | | | | | | | | | | | | | | 7 | 7 | 11 | 11 |
| 4/ 3 | .1 | .4 | | | | | | | | | | | | | | | | 4 | 4 | 5 | 20 |
| 2/ 1 | .1 | .4 | | | | | | | | | | | | | | | | 4 | 4 | 3 | 31 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | 2 | 5 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 4 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 13 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

FORM AS-44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 3 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 4 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 6.3 | 51.4 | 26.0 | 9.3 | 4.6 | 1.9 | .5 | | | | | | | | | | | 744 | | | 743 |
| | | | | | | | | | | | | | | | | | 743 | | 743 | | |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 3838870 | 52254 | 70.314.727 | | 743 | | | | | | | |
| Dry Bulb | 759034 | 21980 | 29.612.158 | | 744 | | 52.7 | | | | | 84 |
| Wet Bulb | 627704 | 19908 | 26.811.272 | | 743 | .2 | 58.2 | | | | | 84 |
| Dew Point | 439852 | 15278 | 20.613.016 | | 743 | 3.0 | 67.5 | | | | | 84 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | | |
| 62/ 61 | | | | | .1 | | | | | | | | | | | | | | 1 | 1 | | |
| 60/ 59 | | | .1 | | .1 | | .7 | | | | | | | | | | | | 8 | 8 | | |
| 58/ 57 | | | .3 | .1 | .1 | .1 | .3 | | | | | | | | | | | | 7 | 7 | | |
| 56/ 55 | | .8 | .3 | .1 | | .3 | | | | | | | | | | | | | 9 | 9 | 1 | |
| 54/ 53 | .3 | .8 | .4 | .7 | .1 | .3 | | | | | | | | | | | | | 17 | 17 | 12 | 4 |
| 52/ 51 | | .4 | .1 | .3 | | .2 | | | | | | | | | | | | | 7 | 7 | 8 | 9 |
| 50/ 49 | .1 | .8 | | .4 | .1 | .9 | | | | | | | | | | | | | 16 | 16 | 10 | 3 |
| 48/ 47 | | .8 | .4 | 1.2 | .1 | .6 | | | | | | | | | | | | | 24 | 24 | 17 | 10 |
| 46/ 45 | | .5 | .7 | .1 | 1.1 | .5 | | | | | | | | | | | | | 22 | 22 | 12 | 8 |
| 44/ 43 | | .9 | 1.1 | .4 | .4 | .4 | .1 | | | | | | | | | | | | 25 | 25 | 18 | 9 |
| 42/ 41 | | .8 | .9 | .7 | .5 | | | | | | | | | | | | | | 20 | 20 | 21 | 11 |
| 40/ 39 | .1 | 1.6 | 1.1 | .6 | .1 | | | | | | | | | | | | | | 30 | 30 | 23 | 13 |
| 38/ 37 | .9 | 2.5 | .7 | .1 | .1 | | | | | | | | | | | | | | 34 | 34 | 46 | 23 |
| 36/ 35 | .6 | 1.8 | 1.9 | .8 | .1 | | | | | | | | | | | | | | 36 | 36 | 42 | 41 |
| 34/ 33 | .4 | .4 | 2.0 | 1.3 | .4 | | | | | | | | | | | | | | 34 | 34 | 25 | 22 |
| 32/ 31 | .1 | 4.1 | 1.9 | .1 | .1 | | | | | | | | | | | | | | 55 | 55 | 31 | 30 |
| 30/ 29 | 1.2 | 3.1 | 3.6 | .1 | | | | | | | | | | | | | | | 63 | 63 | 69 | 21 |
| 28/ 27 | .6 | 2.8 | 2.6 | .1 | | | | | | | | | | | | | | | 41 | 41 | 51 | 49 |
| 26/ 25 | .1 | 3.6 | 1.7 | .1 | | | | | | | | | | | | | | | 43 | 43 | 49 | 43 |
| 24/ 23 | .1 | 1.9 | 1.6 | .1 | | | | | | | | | | | | | | | 30 | 30 | 52 | 44 |
| 22/ 21 | .5 | 2.4 | 2.4 | | | | | | | | | | | | | | | | 40 | 40 | 27 | 31 |
| 20/ 19 | .5 | 5.2 | 2.1 | .1 | | | | | | | | | | | | | | | 64 | 64 | 50 | 53 |
| 18/ 17 | .1 | 4.4 | .3 | | | | | | | | | | | | | | | | 36 | 36 | 64 | 30 |
| 16/ 15 | .1 | 2.0 | .6 | | | | | | | | | | | | | | | | 22 | 22 | 42 | 34 |
| 14/ 13 | .1 | 2.4 | | | | | | | | | | | | | | | | | 19 | 19 | 13 | 47 |
| 12/ 11 | | .9 | .1 | | | | | | | | | | | | | | | | 8 | 8 | 20 | 43 |
| 10/ 9 | | 2.4 | | | | | | | | | | | | | | | | | 18 | 18 | 16 | 43 |
| 8/ 7 | .3 | 2.0 | .1 | | | | | | | | | | | | | | | | 18 | 18 | 17 | 42 |
| 6/ 5 | | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 10 | 16 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 3 | 20 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | | 21 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | | 8 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | | 8 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | | 6 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 92 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 4 |
| -1 /-11 | | | | | | | | | | | | | | | | | | | | | 1 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 6. | 348. | 627. | 8. | 8. | 4. | 3. | 1. | 1. | | | | | | | | | | 749 | | 749 |
| | | | | | | | | | | | | | | | | | | 749 | | 749 | |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 88 F | ≥ 93 F | Total |
| Rel. Hum. | 3818217 | 52239 | 69.7 | 15.287 | 749 | | | | | | | |
| Dry Bulb | 801262 | 22726 | 30.3 | 12.221 | 749 | | 51.5 | | | | | 84 |
| Wet Bulb | 657963 | 20557 | 27.4 | 11.196 | 749 | | 57.6 | | | | | 84 |
| Dew Point | 487998 | 15790 | 21.1 | 12.934 | 749 | 3.3 | 66.8 | | | | | 84 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 62/ 61 | | | | | .1 | .1 | | | | | | | | | | | | 2 | 2 | | |
| 58/ 57 | | | .6 | | .1 | | .1 | | | | | | | | | | | 6 | 6 | | |
| 56/ 55 | | .6 | | .1 | .1 | .7 | | | | | | | | | | | | 11 | 11 | 1 | |
| 54/ 53 | | .3 | .1 | .4 | .3 | .3 | | | | | | | | | | | | 10 | 10 | 9 | 4 |
| 52/ 51 | .4 | .6 | .7 | | | | | | | | | | | | | | | 12 | 12 | 8 | 9 |
| 50/ 49 | .1 | .3 | .4 | | | | | | | | | | | | | | | 6 | 6 | 8 | 3 |
| 48/ 47 | .1 | 1.0 | .1 | .3 | .4 | | | | | | | | | | | | | 14 | 14 | 11 | 8 |
| 46/ 45 | .1 | .6 | .6 | .7 | .3 | | | | | | | | | | | | | 16 | 16 | 20 | 7 |
| 44/ 43 | | .4 | .6 | .4 | 1.0 | | | | | | | | | | | | | 17 | 17 | 5 | 13 |
| 42/ 41 | | 1.4 | .7 | .4 | .7 | | | | | | | | | | | | | 23 | 24 | 12 | 5 |
| 40/ 39 | .1 | 2.2 | 1.3 | .4 | .1 | | | | | | | | | | | | | 30 | 34 | 25 | 10 |
| 38/ 37 | 1.3 | 2.1 | .3 | .6 | | | | | | | | | | | | | | 32 | 34 | 39 | 22 |
| 36/ 35 | 1.0 | 1.8 | 1.4 | .6 | | | | | | | | | | | | | | 34 | 37 | 36 | 35 |
| 34/ 33 | .7 | 1.1 | 2.1 | 1.0 | .1 | | | | | | | | | | | | | 36 | 36 | 34 | 26 |
| 32/ 31 | .1 | 3.3 | 1.7 | .3 | | | | | | | | | | | | | | 39 | 41 | 28 | 25 |
| 30/ 29 | 1.3 | 2.1 | 2.4 | .1 | | | | | | | | | | | | | | 42 | 42 | 46 | 24 |
| 28/ 27 | 1.0 | 4.7 | 2.1 | | | | | | | | | | | | | | | 56 | 60 | 39 | 44 |
| 26/ 25 | | 4.0 | 1.4 | | | | | | | | | | | | | | | 3[illegible] | 41 | 65 | 36 |
| 24/ 23 | | 2.8 | .8 | | | | | | | | | | | | | | | 26 | 28 | 42 | 22 |
| 22/ 21 | .8 | 2.2 | .8 | | | | | | | | | | | | | | | 28 | 29 | 33 | 36 |
| 20/ 19 | .4 | 3.8 | 1.1 | | | | | | | | | | | | | | | 38 | 42 | 23 | 58 |
| 18/ 17 | .7 | 2.8 | 1.0 | | | | | | | | | | | | | | | 32 | 33 | 37 | 41 |
| 16/ 15 | .7 | 5.6 | .4 | | | | | | | | | | | | | | | 48 | 51 | 45 | 29 |
| 14/ 13 | .4 | 3.1 | .3 | | | | | | | | | | | | | | | 27 | 28 | 37 | 30 |
| 12/ 11 | 1.0 | 3.2 | .1 | | | | | | | | | | | | | | | 31 | 33 | 29 | 33 |
| 10/ 9 | .8 | 1.7 | .1 | | | | | | | | | | | | | | | 17 | 18 | 34 | 39 |
| 8/ 7 | .3 | 1.7 | | | | | | | | | | | | | | | | 14 | 14 | 11 | 34 |
| 6/ 5 | 1.0 | 1.3 | | | | | | | | | | | | | | | | 16 | 16 | 21 | 18 |
| 4/ 3 | .1 | .8 | | | | | | | | | | | | | | | | 7 | 7 | 9 | 25 |
| 2/ 1 | .3 | .7 | | | | | | | | | | | | | | | | 7 | 7 | 7 | 35 |
| 0/ -1 | | .1 | | | | | | | | | | | | | | | | 1 | 2 | 2 | 23 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | 1 | 3 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 4 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 5 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sat. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 88 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

FORM AS-34 0-26-5 (OL A) USAFETAC

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | FEB MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| -9/ -9 | | | | | | | | | | | | | | | | | | | | | 4 |
| -1 /-11 | | | | | | | | | | | | | | | | | | | | | 4 |
| -1./-13 | | | | | | | | | | | | | | | | | | | | | 1 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | 1 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 12.6 | 56.2 | 21.1 | 5.6 | 3.3 | 1.1 | .1 | | | | | | | | | | | 717 | 751 | | 717 |
| | | | | | | | | | | | | | | | | | | 717 | | 7 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 4049361 | 52*45 | 73.6 | 13.972 | 717 | | | | | | | |
| Dry Bulb | 690318 | 20638 | 27.5 | 12.619 | 751 | .2 | 55.0 | | | | | 84 |
| Wet Bulb | 566911 | 16207 | 25.4 | 12.085 | 717 | .4 | 59.6 | | | | | 84 |
| Dew Point | 418920 | 14298 | 19.9 | 13.670 | 717 | 5.4 | 67.4 | | | | | 84 |

FORM 26-5 (OL A) 0-26-5 (OL A) USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 21 | | Dry Bulb | Wet Bulb | Dew Point |
| 58/ 57 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | |
| 56/ 55 | .3 | .4 | .4 | | | .3 | | | | | | | | | | | | 10 | 10 | 2 | 2 |
| 54/ 53 | | | | | .1 | .9 | | | | | | | | | | | | 7 | 7 | 4 | 3 |
| 52/ 51 | .4 | 1.4 | .7 | .3 | .1 | | | | | | | | | | | | | 21 | 21 | 6 | 3 |
| 50/ 49 | | .3 | .1 | .1 | | | | | | | | | | | | | | 4 | 4 | 12 | 9 |
| 48/ 47 | .1 | .9 | .3 | | .3 | .1 | | | | | | | | | | | | 12 | 12 | 9 | 8 |
| 46/ 45 | .1 | .9 | .1 | .6 | .9 | | | | | | | | | | | | | 18 | 18 | 15 | 10 |
| 44/ 43 | | .4 | .6 | .3 | .3 | | | | | | | | | | | | | 11 | 11 | 13 | 5 |
| 42/ 41 | | .7 | .3 | .6 | .4 | | | | | | | | | | | | | 14 | 14 | 8 | 5 |
| 40/ 39 | | 2.0 | 1.1 | .9 | | | | | | | | | | | | | | 28 | 29 | 12 | 9 |
| 38/ 37 | 1.1 | 2.0 | .1 | .1 | | | | | | | | | | | | | | 24 | 30 | 36 | 16 |
| 36/ 35 | 1.1 | 3.0 | .7 | .6 | | | | | | | | | | | | | | 38 | 45 | 41 | 24 |
| 34/ 33 | .6 | 1.3 | 1.7 | .6 | | | | | | | | | | | | | | 29 | 29 | 30 | 34 |
| 32/ 31 | .6 | 2.3 | 2.1 | .3 | | | | | | | | | | | | | | 37 | 38 | 24 | 31 |
| 30/ 29 | | 2.9 | 2.1 | | | | | | | | | | | | | | | 35 | 38 | 29 | 23 |
| 28/ 27 | .3 | 5.1 | 1.1 | | | | | | | | | | | | | | | 46 | 51 | 46 | 25 |
| 26/ 25 | .1 | 3.4 | .9 | | | | | | | | | | | | | | | 31 | 33 | 50 | 20 |
| 24/ 23 | .9 | 3.7 | .6 | | | | | | | | | | | | | | | 36 | 38 | 45 | 30 |
| 22/ 21 | .3 | 3.9 | .4 | | | | | | | | | | | | | | | 32 | 34 | 31 | 44 |
| 20/ 19 | 1.4 | 4.1 | .9 | | | | | | | | | | | | | | | 45 | 50 | 38 | 63 |
| 18/ 17 | .7 | 1.7 | | | | | | | | | | | | | | | | 17 | 20 | 32 | 35 |
| 16/ 15 | 1.1 | 4.7 | | | | | | | | | | | | | | | | 41 | 42 | 29 | 40 |
| 14/ 13 | .3 | 2.4 | | | | | | | | | | | | | | | | 19 | 22 | 31 | 28 |
| 12/ 11 | .7 | 3.1 | | | | | | | | | | | | | | | | 27 | 29 | 23 | 23 |
| 10/ 9 | 1.6 | 4.4 | .1 | | | | | | | | | | | | | | | 43 | 45 | 41 | 34 |
| 8/ 7 | .7 | 1.9 | | | | | | | | | | | | | | | | 18 | 19 | 31 | 32 |
| 6/ 5 | .9 | 1.3 | | | | | | | | | | | | | | | | 15 | 15 | 20 | 22 |
| 4/ 3 | .6 | .4 | | | | | | | | | | | | | | | | 7 | 7 | 7 | 19 |
| 2/ 1 | .6 | 2.6 | | | | | | | | | | | | | | | | 22 | 23 | 15 | 42 |
| 0/ -1 | .9 | .1 | | | | | | | | | | | | | | | | 7 | 9 | 14 | 20 |
| -2/ -3 | .3 | .4 | | | | | | | | | | | | | | | | 5 | 5 | 4 | 8 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | 2 | 8 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 6 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 4 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 86 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | FEB MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| -[illegible]/-11 | | | | | | | | | | | | | | | | | | | | | 9 |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | 2 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | 1 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | 2 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 15.7 | 61.9 | 14.6 | 4.3 | 2.3 | 1.3 | | | | | | | | | | | | | 749 | | 700 |
| | | | | | | | | | | | | | | | | | | 700 | | 700 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4211035 | 53491 | 76.4 | 13.291 | 700 | | | | | | | |
| Dry Bulb | 621858 | 19042 | 25.4 | 13.570 | 749 | 1.6 | 58.1 | | | | | 84 |
| Wet Bulb | 508645 | 16579 | 23.7 | 12.881 | 700 | 2.4 | 61.4 | | | | | 84 |
| Dew Point | 387134 | 13182 | 18.8 | 14.096 | 700 | 7.3 | 68.6 | | | | | 84 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | FEB MONTH



ALL HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 62/ 61 | | | | | .0 | .0 | | | | | | | | | | | | 4 | 4 | | | |
| 60/ 59 | | .0 | .0 | | .1 | | .1 | | | | | | | | | | | 15 | 15 | | | |
| 58/ 57 | | .1 | .1 | .0 | .1 | .0 | .1 | | | | | | | | | | | 23 | 23 | 4 | 4 | |
| 56/ 55 | .0 | .3 | .2 | .1 | .1 | .2 | .0 | | | | | | | | | | | 51 | [illegible] | 8 | 4 | |
| 54/ 53 | .1 | .2 | .1 | .2 | .1 | .3 | | | | | | | | | | | | 58 | | 41 | 27 | |
| 52/ 51 | .3 | .7 | .3 | .2 | .1 | .1 | | | | | | | | | | | | 97 | 97 | 50 | 39 | |
| 50/ 49 | .1 | .6 | .3 | .3 | .2 | .2 | | | | | | | | | | | | 89 | 89 | 62 | 40 | |
| 48/ 47 | .1 | .8 | .2 | .3 | .4 | .1 | | | | | | | | | | | | 116 | 116 | 84 | 60 | |
| 46/ 45 | .2 | .6 | .4 | .6 | .5 | .1 | | | | | | | | | | | | 140 | 140 | 106 | 61 | |
| 44/ 43 | .1 | .7 | .8 | .8 | .4 | .1 | .0 | | | | | | | | | | | 120 | 121 | 103 | 62 | |
| 42/ 41 | .2 | .7 | .8 | .7 | .4 | .0 | | | | | | | | | | | | 161 | 163 | 115 | 69 | |
| 40/ 39 | .2 | 1.4 | 1.2 | .7 | .1 | .0 | | | | | | | | | | | | 206 | 216 | 154 | 65 | |
| 38/ 37 | .7 | 1.5 | .5 | .4 | .1 | | | | | | | | | | | | | 190 | 198 | 243 | 119 | |
| 36/ 35 | .9 | 2.1 | 1.0 | .4 | .1 | | | | | | | | | | | | | 266 | 287 | 265 | 222 | |
| 34/ 33 | 1.0 | 1.8 | 1.6 | .6 | .1 | | | | | | | | | | | | | 300 | 309 | 291 | 225 | |
| 32/ 31 | .6 | 3.4 | 2.0 | .8 | .1 | | | | | | | | | | | | | 373 | 392 | 234 | 268 | |
| 30/ 29 | .8 | 3.2 | 1.7 | .2 | .0 | | | | | | | | | | | | | 343 | 358 | 387 | 198 | |
| 28/ 27 | .8 | 3.4 | 1.3 | .1 | | | | | | | | | | | | | | 327 | 345 | 371 | 286 | |
| 26/ 25 | .6 | 3.9 | 1.1 | .1 | | | | | | | | | | | | | | 325 | 336 | 374 | 290 | |
| 24/ 23 | .4 | 2.5 | 1.0 | .0 | | | | | | | | | | | | | | 227 | 240 | 351 | 270 | |
| 22/ 21 | .8 | 2.9 | 1.1 | | | | | | | | | | | | | | | 279 | 294 | 251 | 285 | |
| 20/ 19 | 1.0 | 4.2 | 1.1 | .0 | | | | | | | | | | | | | | 371 | 386 | 300 | 385 | |
| 18/ 17 | .6 | 2.9 | .2 | | | | | | | | | | | | | | | 219 | 224 | 347 | 283 | |
| 16/ 15 | .8 | 3.4 | .2 | | | | | | | | | | | | | | | 253 | 257 | 270 | 291 | |
| 14/ 13 | .6 | 2.8 | .1 | | | | | | | | | | | | | | | 198 | 202 | 195 | 288 | |
| 12/ 11 | 1.2 | 2.1 | .1 | | | | | | | | | | | | | | | 196 | 203 | 229 | 272 | |
| 10/ 9 | 1.2 | 2.7 | .1 | | | | | | | | | | | | | | | 229 | 242 | 231 | 293 | |
| 8/ 7 | .9 | 2.0 | .0 | | | | | | | | | | | | | | | 168 | 175 | 205 | 289 | |
| 6/ 5 | .8 | 1.2 | | | | | | | | | | | | | | | | 117 | 118 | 174 | 159 | |
| 4/ 3 | .7 | .9 | | | | | | | | | | | | | | | | 92 | 94 | 97 | 193 | |
| 2/ 1 | .5 | 1.4 | | | | | | | | | | | | | | | | 109 | 113 | 80 | 227 | |
| 0/ -1 | .4 | .2 | | | | | | | | | | | | | | | | 39 | 42 | 65 | 133 | |
| -2/ -3 | .4 | .2 | | | | | | | | | | | | | | | | 34 | 35 | 45 | 85 | |
| -4/ -5 | .3 | .0 | | | | | | | | | | | | | | | | 31 | 34 | 33 | 80 | |

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

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) FEB (MONTH)



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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| -6/ -7 | .1 | | | | | | | | | | | | | | | | | 6 | 8 | 7 | 50 |
| -8/ -9 | .1 | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 45 |
| -10/-11 | .0 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 39 |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | 16 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | 29 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | 16 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | 11 |
| TOTAL | 17.6 | 55.2 | 17.1 | 5.8 | 2.9 | 1.2 | .3 | | | | | | | | | | | | 5991 | | 5778 |
| | | | | | | | | | | | | | | | | | | 5778 | | 5778 | |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 33932158 | 4350561 | 75.3 | 14.259 | 5778 | | | | | | | |
| Dry Bulb | 5153510 | 156020 | 26.0 | 13.492 | 5991 | 14.0 | 460.3 | | | | | 672 |
| Wet Bulb | 4282106 | 139326 | 24.1 | 12.637 | 5778 | 18.1 | 494.5 | | | | | 672 |
| Dew Point | 3194449 | 109543 | 19.0 | 13.909 | 5778 | 58.6 | 556.0 | | | | | 672 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | MAR MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 66/ 65 | | | | | | .4 | | | | | | | | | | | | 3 | 3 | | |
| 64/ 63 | | | .1 | .2 | .1 | | | | | | | | | | | | | 4 | 4 | | |
| 62/ 61 | | .1 | .1 | | .4 | | | | | | | | | | | | | 5 | 5 | | |
| 60/ 59 | | | .2 | .9 | .5 | | | | | | | | | | | | | 13 | 13 | 3 | |
| 58/ 57 | | .1 | 1.0 | | .1 | | | .1 | | | | | | | | | | 11 | 11 | 2 | 3 |
| 56/ 55 | | .2 | .4 | .9 | .4 | .2 | .4 | | | | | | | | | | | 20 | 20 | 13 | 1 |
| 54/ 53 | .2 | .6 | 1.3 | .4 | .4 | .4 | | | | | | | | | | | | 27 | 27 | 20 | 9 |
| 52/ 51 | | 2.0 | .4 | .4 | .1 | .2 | | | | | | | | | | | | 25 | 25 | 13 | 9 |
| 50/ 49 | .2 | 1.0 | 1.0 | .4 | .6 | .2 | | | | | | | | | | | | 28 | 28 | 35 | 29 |
| 48/ 47 | | .9 | 1.3 | .2 | 1.0 | .1 | | | | | | | | | | | | 29 | 29 | 16 | 24 |
| 46/ 45 | | 2.1 | 1.1 | .9 | .6 | | | | | | | | | | | | | 38 | 38 | 36 | 15 |
| 44/ 43 | .1 | 1.7 | 1.3 | .2 | .7 | | | | | | | | | | | | | 34 | 34 | 33 | 25 |
| 42/ 41 | .1 | .7 | .9 | .7 | .2 | | | | | | | | | | | | | 22 | 22 | 33 | 21 |
| 40/ 39 | .4 | 1.6 | 1.6 | 1.7 | .1 | | | | | | | | | | | | | 44 | 44 | 37 | 27 |
| 38/ 37 | | 2.6 | 1.5 | .2 | | | | | | | | | | | | | | 35 | 35 | 28 | 27 |
| 36/ 35 | | 4.4 | 1.1 | .4 | .5 | | | | | | | | | | | | | 52 | 52 | 49 | 23 |
| 34/ 33 | .2 | 3.3 | 2.9 | .6 | | | | | | | | | | | | | | 58 | 58 | 74 | 37 |
| 32/ 31 | .4 | 5.1 | 3.3 | 1.1 | | | | | | | | | | | | | | 81 | 81 | 33 | 78 |
| 30/ 29 | .1 | 3.7 | 3.1 | .2 | | | | | | | | | | | | | | 58 | 58 | 81 | 37 |
| 28/ 27 | 1.2 | 4.3 | 1.3 | .5 | | | | | | | | | | | | | | 60 | 60 | 61 | 51 |
| 26/ 25 | .9 | 3.2 | 1.0 | | | | | | | | | | | | | | | 41 | 42 | 81 | 61 |
| 24/ 23 | | 2.2 | .4 | | | | | | | | | | | | | | | 21 | 23 | 39 | 54 |
| 22/ 21 | .4 | 2.7 | .9 | | | | | | | | | | | | | | | 32 | 32 | 28 | 44 |
| 20/ 19 | 1.1 | 2.8 | .4 | | | | | | | | | | | | | | | 35 | 35 | 37 | 70 |
| 18/ 17 | .2 | 1.6 | .1 | | | | | | | | | | | | | | | 18 | 18 | 27 | 36 |
| 16/ 15 | | .5 | | | | | | | | | | | | | | | | 4 | 4 | 16 | 39 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | 3 | 19 |
| 12/ 11 | | .6 | | | | | | | | | | | | | | | | 5 | 5 | 3 | 24 |
| 10/ 9 | | .5 | | | | | | | | | | | | | | | | 4 | 4 | 2 | 22 |
| 8/ 7 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 5 | 11 |
| 6/ 5 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | | 3 |
| 4/ 3 | .1 | .1 | | | | | | | | | | | | | | | | 2 | 2 | 2 | 3 |
| 2/ 1 | | .5 | | | | | | | | | | | | | | | | 4 | 4 | 3 | 7 |
| 0/ -1 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 4 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| -2/ -3 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 4 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 3 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 6.2 | 49.4 | 26.7 | 9.9 | 5.7 | 1.6 | .4 | .1 | | | | | | | | | | 818 | 824 | 818 | 818 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 4655724 | 60742 | 74.3 | 13.332 | 818 | | | | | | | |
| Dry Bulb | 1153012 | 29208 | 35.4 | 11.965 | 824 | .3 | 42.4 | | | | | 93 |
| Wet Bulb | 970969 | 26707 | 32.6 | 11.008 | 818 | .6 | 48.4 | | | | | 93 |
| Dew Point | 747628 | 22660 | 27.7 | 12.115 | 818 | 1.0 | 64.6 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | MAR MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | |
| 68/ 67 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | |
| 66/ 65 | | | | | .2 | | | | | | | | | | | | | 2 | 2 | | |
| 64/ 63 | | | .9 | | | | | | | | | | | | | | | 3 | 3 | | |
| 62/ 61 | | | | .2 | | | | | | | | | | | | | | 2 | 2 | 1 | |
| 60/ 59 | | | | .1 | .2 | | .1 | | | | | | | | | | | 4 | 4 | 3 | 1 |
| 58/ 57 | | .4 | .9 | .2 | .6 | .2 | | | | | | | | | | | | 19 | 19 | 2 | 2 |
| 56/ 55 | | 1.0 | .5 | .6 | .2 | .1 | .1 | | | | | | | | | | | 21 | 21 | 10 | 3 |
| 54/ 53 | .1 | .7 | .9 | .6 | .1 | .2 | | | | | | | | | | | | 22 | 22 | 18 | 9 |
| 52/ 51 | | 1.0 | .9 | | | | | | | | | | | | | | | 15 | 15 | 11 | 16 |
| 50/ 49 | .1 | 1.7 | 1.2 | .1 | .1 | .1 | | | | | | | | | | | | 28 | 28 | 34 | 18 |
| 48/ 47 | | 1.3 | .6 | .5 | .9 | | | | | | | | | | | | | 27 | 27 | 24 | 14 |
| 46/ 45 | | 1.8 | .7 | .5 | .6 | .2 | | | | | | | | | | | | 32 | 32 | 30 | 17 |
| 44/ 43 | .4 | .9 | 2.0 | .9 | .1 | | | | | | | | | | | | | 34 | 34 | 19 | 43 |
| 42/ 41 | .5 | .5 | .9 | 1.6 | .1 | | | | | | | | | | | | | 29 | 29 | 21 | 17 |
| 40/ 39 | 1.0 | 1.3 | 1.3 | .7 | | | | | | | | | | | | | | 36 | 36 | 44 | 14 |
| 38/ 37 | .6 | 3.2 | 1.6 | .5 | .1 | | | | | | | | | | | | | 49 | 49 | 40 | 27 |
| 36/ 35 | .1 | 2.3 | 1.1 | .5 | | | | | | | | | | | | | | 33 | 33 | 50 | 28 |
| 34/ 33 | .1 | 4.3 | 2.4 | .6 | .2 | | | | | | | | | | | | | 63 | 63 | 47 | 40 |
| 32/ 31 | .2 | 5.6 | 2.8 | 1.0 | | | | | | | | | | | | | | 79 | 80 | 55 | 53 |
| 30/ 29 | .9 | 4.4 | 2.2 | .2 | | | | | | | | | | | | | | 63 | 64 | 76 | 54 |
| 28/ 27 | .4 | 5.1 | .9 | .1 | | | | | | | | | | | | | | 53 | 53 | 65 | 58 |
| 26/ 25 | 1.0 | 3.8 | 1.8 | | | | | | | | | | | | | | | 54 | 56 | 70 | 58 |
| 24/ 23 | .6 | 2.7 | .1 | | | | | | | | | | | | | | | 28 | 28 | 51 | 52 |
| 22/ 21 | .4 | 2.3 | .2 | | | | | | | | | | | | | | | 24 | 24 | 37 | 47 |
| 20/ 19 | 1.0 | 2.4 | .2 | | | | | | | | | | | | | | | 30 | 30 | 29 | 65 |
| 18/ 17 | .2 | 1.6 | .1 | | | | | | | | | | | | | | | 16 | 16 | 20 | 35 |
| 16/ 15 | .7 | 1.1 | .2 | | | | | | | | | | | | | | | 17 | 17 | 19 | 35 |
| 14/ 13 | .1 | 1.0 | | | | | | | | | | | | | | | | 9 | 9 | 9 | 32 |
| 12/ 11 | .1 | .2 | | | | | | | | | | | | | | | | 3 | 3 | 9 | 22 |
| 10/ 9 | | .6 | | | | | | | | | | | | | | | | 5 | 5 | 3 | 15 |
| 8/ 7 | .2 | .1 | | | | | | | | | | | | | | | | 3 | 3 | 7 | 10 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 3 |
| 4/ 3 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 8 |
| 2/ 1 | .1 | .9 | | | | | | | | | | | | | | | | 8 | 8 | 8 | 7 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref. Hem. | | | | | | ≤ 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) 80-4 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725296 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| / -1 | | | | | | | | | | | | | | | | | | | | | 3 |
| -. / -3 | .4 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 1 |
| -4 / -5 | | | | | | | | | | | | | | | | | | | | | 2 |
| -6 / -7 | | | | | | | | | | | | | | | | | | | | | 3 |
| -8 / -9 | | | | | | | | | | | | | | | | | | | | | 5 |
| TOTAL | 9.5 | 52.4 | 24.0 | 9.1 | 3.8 | 1.0 | .2 | | | | | | | | | | | 817 | 821 | 817 | 817 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 4916782 | 62508 | 76.5 | 12.926 | 817 | | | | | | | |
| Dry Bulb | 1085228 | 28138 | 34.3 | 12.140 | 821 | .3 | 45.4 | .1 | | | | 93 |
| Wet Bulb | 931654 | 26004 | 31.8 | 11.288 | 817 | .3 | 52.7 | | | | | 93 |
| Dew Point | 736630 | 22936 | 27.3 | 12.426 | 817 | 1.6 | 64.7 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | MAR MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| [illegible]4/ 63 | | | .1 | .1 | | | | | | | | | | | | | | 2 | 2 | | |
| [illegible]2/ 61 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | | |
| [illegible]0/ 59 | | | .6 | .2 | | .1 | | | | | | | | | | | | 8 | 8 | 5 | |
| [illegible]8/ 57 | | .5 | .2 | .6 | .1 | .2 | | | | | | | | | | | | 14 | 14 | | 4 |
| 56/ 55 | | 1.6 | 1.1 | .2 | .1 | | | | | | | | | | | | | 25 | 25 | 12 | 3 |
| [illegible]4/ 53 | | 1.0 | .4 | .7 | .2 | | | | | | | | | | | | | 19 | 19 | 20 | 17 |
| [illegible]2/ 51 | | .9 | 1.1 | | | | | | | | | | | | | | | 16 | 16 | 18 | 13 |
| 5 / 49 | .4 | 1.2 | .4 | .2 | .1 | | | | | | | | | | | | | 19 | 19 | 23 | 17 |
| 48/ 47 | | 2.4 | .2 | .1 | .1 | | | | | | | | | | | | | 24 | 24 | 27 | 17 |
| 46/ 45 | | 2.7 | .6 | .9 | .2 | .1 | | | | | | | | | | | | 37 | 37 | 28 | 26 |
| [illegible]4/ 43 | .1 | 1.0 | 1.1 | 1.6 | .1 | | | | | | | | | | | | | 32 | 32 | 21 | 35 |
| [illegible]2/ 41 | .9 | 1.3 | 1.2 | .6 | .6 | | | | | | | | | | | | | 38 | 38 | 24 | 21 |
| 4[illegible]/ 39 | .4 | 2.4 | 1.1 | | .2 | | | | | | | | | | | | | 33 | 33 | 32 | 15 |
| 38/ 37 | 1.2 | 2.7 | 1.6 | .7 | | | | | | | | | | | | | | 51 | 51 | 56 | 26 |
| [illegible]6/ 35 | .6 | 2.3 | 1.2 | .7 | | | | | | | | | | | | | | 40 | 40 | 44 | 33 |
| 34/ 33 | .7 | 4.9 | 1.5 | 1.0 | .1 | | | | | | | | | | | | | 67 | 67 | 52 | 31 |
| [illegible]2/ 31 | | 4.5 | 2.3 | .5 | | | | | | | | | | | | | | 60 | 60 | 55 | 65 |
| [illegible]/ 29 | .5 | 4.4 | 2.3 | .2 | | | | | | | | | | | | | | 61 | 61 | 57 | 56 |
| 28/ 27 | 1.6 | 5.1 | 1.1 | | | | | | | | | | | | | | | 64 | 64 | 78 | 35 |
| 26/ 25 | 1.9 | 3.6 | 1.3 | | | | | | | | | | | | | | | 57 | 57 | 75 | 54 |
| 24/ 23 | 1.1 | 1.5 | .5 | | | | | | | | | | | | | | | 25 | 25 | 49 | 61 |
| [illegible]2/ 21 | 1.0 | 2.4 | .4 | | | | | | | | | | | | | | | 31 | 31 | 30 | 6 |
| 2 / 19 | 1.2 | 2.7 | .1 | | | | | | | | | | | | | | | 33 | 33 | 39 | 51 |
| 18/ 17 | .2 | 1.0 | .2 | | | | | | | | | | | | | | | 12 | 12 | 20 | 40 |
| 16/ 15 | .4 | 1.1 | | | | | | | | | | | | | | | | 12 | 12 | 15 | 34 |
| 14/ 13 | .2 | 1.3 | | | | | | | | | | | | | | | | 13 | 13 | 5 | 35 |
| 12/ 11 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 12 | 21 |
| 10/ 9 | .5 | | | | | | | | | | | | | | | | | 4 | 4 | 6 | 9 |
| 8/ 7 | .2 | .1 | | | | | | | | | | | | | | | | 3 | 3 | 2 | 9 |
| 6/ 5 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 4 | 7 |
| 4/ 3 | .1 | .4 | | | | | | | | | | | | | | | | 4 | 4 | 4 | 7 |
| 2/ 1 | .4 | .2 | | | | | | | | | | | | | | | | 5 | 5 | 5 | 3 |
| 0/ -1 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 4 |
| -2/ -3 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 1 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| -4/ -5 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 5 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 3 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 14.1 | 54.3 | 20.7 | 8.5 | 1.9 | .5 | | | | | | | | | | | | | 822 | | 822 |
| | | | | | | | | | | | | | | | | | | 822 | | 822 | |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5235291 | 64749 | 78.8 | 12.824 | 822 | | | | | | | |
| Dry Bulb | 1068453 | 27931 | 34.0 | 12.058 | 822 | .5 | 44.6 | | | | | 93 |
| Wet Bulb | 939942 | 26168 | 31.8 | 11.411 | 822 | .5 | 52.0 | | | | | 93 |
| Dew Point | 765831 | 22838 | 27.8 | 12.647 | 822 | 1.8 | 63.6 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 68/ 67 | | | | .1 | .1 | | .2 | | | | | | | | | | | 4 | 4 | | |
| 66/ 65 | | | .1 | .4 | | .1 | | | .1 | | | | | | | | | 6 | 6 | | |
| 64/ 63 | | | .2 | .2 | .4 | | .4 | | | | | | | | | | | 10 | 10 | | |
| 62/ 61 | | .1 | .2 | .4 | .2 | .1 | .2 | .1 | | | | | | | | | | 12 | 12 | 3 | |
| 60/ 59 | | .2 | .4 | .4 | .4 | | .1 | .2 | | | | | | | | | | 14 | 14 | 8 | |
| 58/ 57 | | .5 | 1.6 | .5 | .2 | .5 | .1 | | | | | | | | | | | 28 | 28 | 6 | 8 |
| 56/ 55 | | 1.1 | .5 | .1 | .4 | .5 | .5 | | | | | | | | | | | 25 | 25 | 22 | 9 |
| 54/ 53 | | .8 | .7 | .1 | .7 | .4 | | | | | | | | | | | | 23 | 23 | 26 | 13 |
| 52/ 51 | | .8 | .7 | .5 | .5 | .6 | .1 | | | | | | | | | | | 27 | 27 | 22 | 16 |
| 50/ 49 | .4 | 1.0 | .8 | .4 | .5 | .4 | .2 | | | | | | | | | | | 30 | 30 | 18 | 27 |
| 48/ 47 | .1 | 1.3 | .8 | .7 | .6 | .6 | | | | | | | | | | | | 35 | 35 | 31 | 22 |
| 46/ 45 | .2 | 2.3 | .6 | .7 | 1.1 | .4 | | | | | | | | | | | | 44 | 44 | 37 | 19 |
| 44/ 43 | .4 | 1.6 | 1.2 | 1.1 | .8 | | | | | | | | | | | | | 40 | 40 | 42 | 27 |
| 42/ 41 | .2 | 2.2 | .8 | 1.1 | .6 | .2 | | | | | | | | | | | | 43 | 43 | 40 | 31 |
| 40/ 39 | .1 | 1.7 | 2.2 | 1.7 | .5 | .1 | | | | | | | | | | | | 52 | 52 | 39 | 26 |
| 38/ 37 | .6 | .7 | 1.5 | 1.1 | .2 | | | | | | | | | | | | | 34 | 34 | 57 | 36 |
| 36/ 35 | .2 | 2.1 | 3.0 | .8 | | | | | | | | | | | | | | 51 | 51 | 35 | 27 |
| 34/ 33 | .4 | 4.1 | 3.2 | 1.2 | | | | | | | | | | | | | | 73 | 73 | 68 | 43 |
| 32/ 31 | .6 | 3.0 | 3.5 | 1.3 | .1 | | | | | | | | | | | | | 71 | 71 | 69 | 60 |
| 30/ 29 | .4 | 3.0 | 2.4 | .7 | | | | | | | | | | | | | | 54 | 54 | 68 | 46 |
| 28/ 27 | .7 | 1.6 | 1.8 | .2 | | | | | | | | | | | | | | 36 | 36 | 67 | 59 |
| 26/ 25 | .7 | 1.5 | 2.5 | .1 | | | | | | | | | | | | | | 40 | 41 | 45 | 57 |
| 24/ 23 | .1 | 1.2 | .1 | .1 | | | | | | | | | | | | | | 13 | 13 | 39 | 62 |
| 22/ 21 | .2 | 1.2 | .5 | | | | | | | | | | | | | | | 16 | 16 | 30 | 38 |
| 20/ 19 | .2 | 1.0 | .1 | | | | | | | | | | | | | | | 11 | 11 | 14 | 38 |
| 18/ 17 | | .6 | .6 | | | | | | | | | | | | | | | 10 | 10 | 6 | 38 |
| 16/ 15 | | .5 | .1 | | | | | | | | | | | | | | | 5 | 5 | 7 | 46 |
| 14/ 13 | | .6 | | | | | | | | | | | | | | | | 5 | 5 | 8 | 18 |
| 12/ 11 | .1 | .5 | | | | | | | | | | | | | | | | 5 | 5 | 6 | 19 |
| 10/ 9 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 4 | 8 |
| 8/ 7 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 2 | 1 |
| 6/ 5 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 2 | 5 |
| 4/ 3 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 2 | 7 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | 2 | 11 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 92 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) 80 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| -1/ -1 | | | | | | | | | | | | | | | | | | | | | 2 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 3 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 1 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 5.8 | 36.2 | 30.4 | 14.1 | 7.2 | 3.9 | 1.9 | .4 | .1 | | | | | | | | | 825 | 826 | 825 | 825 |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 4375137 | 58613 | 71.0 | 15.999 | 825 | | | | | | | |
| Dry Bulb | 1348911 | 31877 | 38.6 | 11.996 | 826 | | 31.0 | .5 | | | | 93 |
| Wet Bulb | 1114437 | 28939 | 35.1 | 10.979 | 825 | | 41.8 | | | | | 93 |
| Dew Point | 866271 | 24258 | 29.4 | 12.611 | 825 | .9 | 58.7 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | | |
| 76/ 75 | | | | | | | .1 | .1 | | | | | | | | | | | 2 | 2 | | |
| 74/ 73 | | | | | | | .1 | | .2 | | | | | | | | | | 3 | 3 | | |
| 72/ 71 | | | | | .1 | | .1 | .1 | .1 | | .1 | | | | | | | | 5 | 5 | | |
| 70/ 69 | | | | | .5 | .1 | .1 | .4 | | .1 | | | | | | | | | 10 | 10 | | |
| 68/ 67 | | | .1 | .2 | .2 | | .2 | .2 | .1 | .2 | | | | | | | | | 12 | 12 | | |
| 66/ 65 | | | .4 | | .5 | .4 | .1 | .2 | .1 | .1 | | | | | | | | | 15 | 15 | | |
| 64/ 63 | | | .6 | .4 | .5 | | .1 | .6 | .1 | | | | | | | | | | 19 | 19 | 6 | |
| 62/ 61 | | | .4 | .4 | .6 | .2 | .9 | .2 | .2 | | | | | | | | | | 24 | 24 | 9 | 1 |
| 60/ 59 | | .4 | .1 | .7 | .2 | .2 | .7 | .1 | .1 | | | | | | | | | | 22 | 22 | 9 | 2 |
| 58/ 57 | | .4 | .7 | .4 | .6 | .4 | .6 | .1 | | | | | | | | | | | 26 | 26 | 19 | 14 |
| 56/ 55 | .1 | .7 | .6 | | .7 | .6 | .4 | | .2 | | | | | | | | | | 28 | 28 | 22 | 8 |
| 54/ 53 | | .5 | .1 | 1.0 | .9 | .2 | .2 | .1 | | | | | | | | | | | 25 | 25 | 27 | 16 |
| 52/ 51 | .2 | 1.0 | .4 | 1.1 | .7 | .7 | .4 | .1 | | | | | | | | | | | 38 | 38 | 27 | 15 |
| 50/ 49 | .1 | .5 | .7 | .9 | 1.1 | 1.2 | .7 | | | | | | | | | | | | 43 | 43 | 34 | 28 |
| 48/ 47 | | 1.1 | .5 | .4 | 1.1 | 1.1 | .1 | | | | | | | | | | | | 35 | 35 | 37 | 17 |
| 46/ 45 | | 2.2 | .6 | 1.5 | 1.3 | .6 | | | | | | | | | | | | | 51 | 51 | 40 | 16 |
| 44/ 43 | .4 | 1.1 | .9 | .1 | 1.0 | .1 | | | | | | | | | | | | | 31 | 32 | 49 | 34 |
| 42/ 41 | | 1.0 | 1.1 | 2.2 | .6 | | | | | | | | | | | | | | 40 | 40 | 36 | 36 |
| 40/ 39 | .4 | 1.0 | 1.3 | 1.5 | 1.1 | | | | | | | | | | | | | | 43 | 43 | 57 | 31 |
| 38/ 37 | | .7 | 2.1 | 1.3 | 1.1 | | | | | | | | | | | | | | 43 | 43 | 40 | 39 |
| 36/ 35 | | 2.3 | 2.7 | 2.7 | .6 | | | | | | | | | | | | | | 68 | 68 | 50 | 33 |
| 34/ 33 | | 2.9 | 3.2 | 1.1 | .7 | | | | | | | | | | | | | | 65 | 65 | 67 | 32 |
| 32/ 31 | | 1.5 | 2.7 | 1.7 | | | | | | | | | | | | | | | 48 | 48 | 55 | 65 |
| 30/ 29 | .5 | 1.2 | 1.9 | .7 | | | | | | | | | | | | | | | 36 | 36 | 73 | 43 |
| 28/ 27 | .4 | .6 | 1.5 | .5 | | | | | | | | | | | | | | | 24 | 24 | 48 | 50 |
| 26/ 25 | .1 | 1.6 | .9 | .1 | | | | | | | | | | | | | | | 22 | 22 | 39 | 67 |
| 24/ 23 | .1 | .9 | .2 | .1 | | | | | | | | | | | | | | | 11 | 11 | 31 | 40 |
| 22/ 21 | | .4 | .5 | | | | | | | | | | | | | | | | 7 | 7 | 14 | 56 |
| 20/ 19 | | .2 | .7 | | | | | | | | | | | | | | | | 8 | 8 | 4 | 40 |
| 18/ 17 | | .5 | .4 | | | | | | | | | | | | | | | | 7 | 7 | 10 | 36 |
| 16/ 15 | | .4 | .1 | | | | | | | | | | | | | | | | 4 | 4 | 7 | 28 |
| 14/ 13 | | .1 | .1 | | | | | | | | | | | | | | | | 2 | 2 | 4 | 17 |
| 12/ 11 | | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 2 | 19 |
| 10/ 9 | | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 6 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_n$ | 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) 80 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | Wet Bulb | Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/ 7 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 2 | 10 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | 1 | 7 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 8 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 1 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 3 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 1 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 2.3 | 23.8 | 25.5 | 18.9 | 14.3 | 6.0 | 5.0 | 2.4 | 1.3 | .5 | .1 | | | | | | | 821 | 822 | 821 | 821 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 3563328 | 52160 | 63.5 | 17.443 | 821 | | | | | | | |
| Dry Bulb | 1643058 | 35224 | 42.9 | 12.758 | 822 | | 19.6 | 3.6 | .6 | | | 93 |
| Wet Bulb | 1287758 | 30978 | 37.7 | 10.995 | 821 | | 33.1 | | | | | 93 |
| Dew Point | 885538 | 24900 | 30.3 | 12.608 | 821 | .7 | 56.5 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | MAR MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 76/ 75 | | | | | | | | .2 | .1 | .2 | .1 | | | | | | | 6 | 6 | | |
| 74/ 73 | | | | | | | | | .5 | .1 | .1 | | | | | | | 6 | 6 | | |
| 72/ 71 | | | | | .2 | .1 | | .4 | .2 | | .1 | | | | | | | 9 | 9 | | |
| 70/ 69 | | | | .2 | .6 | .2 | .5 | .6 | .2 | .1 | .1 | | | | | | | 22 | 22 | | |
| 68/ 67 | | | | | .4 | | | .1 | .1 | | | | | | | | | 5 | 5 | | |
| 66/ 65 | | | | .2 | .1 | .6 | .4 | .2 | .2 | .4 | | | | | | | | 18 | 18 | | |
| 64/ 63 | | .1 | | | .1 | .1 | .2 | .5 | .6 | | | | | | | | | 14 | 14 | 5 | |
| 62/ 61 | | .1 | .2 | .5 | .4 | | .4 | .4 | | | | | | | | | | 16 | 16 | 11 | |
| 60/ 59 | | .2 | .1 | .9 | .7 | .4 | .6 | .5 | | | | | | | | | | 28 | 28 | 11 | 5 |
| 58/ 57 | | .6 | | .9 | 1.0 | .2 | .2 | .5 | | | | | | | | | | 28 | 28 | 16 | 7 |
| 56/ 55 | | .6 | .2 | 1.0 | .7 | .2 | .5 | .2 | .2 | | | | | | | | | 31 | 31 | 27 | 8 |
| 54/ 53 | .1 | 1.0 | .4 | .6 | 1.0 | 1.2 | .2 | .1 | | | | | | | | | | 38 | 38 | 30 | 11 |
| 52/ 51 | | .5 | .2 | .7 | .5 | .7 | 1.0 | .1 | | | | | | | | | | 31 | 31 | 30 | 17 |
| 50/ 49 | | .7 | 1.2 | .5 | .7 | 1.0 | .5 | | | | | | | | | | | 38 | 38 | 36 | 19 |
| 48/ 47 | | 1.3 | .6 | 1.0 | .5 | .7 | | | | | | | | | | | | 34 | 34 | 35 | 27 |
| 46/ 45 | | .6 | .6 | .9 | 1.1 | .2 | | | | | | | | | | | | 28 | 28 | 46 | 23 |
| 44/ 43 | | .9 | 1.2 | 1.1 | .9 | .1 | | | | | | | | | | | | 34 | 34 | 36 | 32 |
| 42/ 41 | | 1.3 | 1.7 | 1.3 | 1.9 | .1 | | | | | | | | | | | | 53 | 53 | 38 | 34 |
| 40/ 39 | .2 | 1.2 | 1.9 | 2.1 | 1.1 | .5 | | | | | | | | | | | | 58 | 58 | 48 | 29 |
| 38/ 37 | .1 | 2.1 | 1.6 | 1.7 | .5 | .1 | | | | | | | | | | | | 50 | 50 | 53 | 33 |
| 36/ 35 | .2 | 1.5 | 2.2 | 2.1 | 1.0 | | | | | | | | | | | | | 57 | 58 | 54 | 36 |
| 34/ 33 | .2 | 2.1 | 2.4 | 1.3 | .4 | | | | | | | | | | | | | 53 | 53 | 72 | 53 |
| 32/ 31 | .6 | 1.1 | 2.8 | 1.5 | | | | | | | | | | | | | | 49 | 49 | 57 | 65 |
| 30/ 29 | .1 | 1.1 | 2.2 | 1.0 | | | | | | | | | | | | | | 36 | 36 | 62 | 55 |
| 28/ 27 | .5 | 1.3 | .9 | .4 | | | | | | | | | | | | | | 25 | 25 | 50 | 41 |
| 26/ 25 | .1 | 1.0 | .9 | .2 | | | | | | | | | | | | | | 18 | 18 | 39 | 72 |
| 24/ 23 | .1 | .7 | .1 | | | | | | | | | | | | | | | 8 | 8 | 21 | 21 |
| 22/ 21 | | .5 | .6 | | | | | | | | | | | | | | | 9 | 9 | 16 | 56 |
| 20/ 19 | .1 | .1 | .6 | | | | | | | | | | | | | | | 7 | 7 | 10 | 52 |
| 18/ 17 | | .2 | .5 | | | | | | | | | | | | | | | 6 | 6 | 4 | 38 |
| 16/ 15 | | .1 | .2 | | | | | | | | | | | | | | | 3 | 3 | 7 | 22 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | 3 | 14 |
| 12/ 11 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 1 | 15 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | 3 | 5 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| / 7 | | | | | | | | | | | | | | | | | | | | 17 |
| / 5 | | | | | | | | | | | | | | | | | | | | 3 |
| / 3 | | | | | | | | | | | | | | | | | | | | 5 |
| / -1 | | | | | | | | | | | | | | | | | | | | 6 |
| TOTAL | 2.6 | 21.4 | 23.5 | 20.0 | 13.8 | 6.7 | 4.5 | 3.9 | 2.3 | .9 | .5 | | | | | | | 822 | | 821 |
| | | | | | | | | | | | | | | | | | 821 | | 821 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 3434824 | 51032 | 62.2 | 17.901 | 821 | | | | | | | |
| Dry Bulb | 1715059 | 35983 | 43.8 | 13.054 | 822 | | 18.6 | 5.4 | 1.4 | | | 93 |
| Wet Bulb | 1295571 | 31387 | 38.2 | 10.800 | 821 | | 30.9 | | | | | 93 |
| Dew Point | 883882 | 25040 | 30.5 | 12.106 | 821 | .7 | 55.2 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | MAR MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 74/ 73 | | | | | | | | | | .1 | | | | | | | | 1 | 1 | | |
| 72/ 71 | | | | | | | | | .2 | | | | | | | | | 2 | 2 | | |
| 70/ 69 | | | | | | .2 | .1 | .6 | .1 | | | | | | | | | 9 | 9 | | |
| 68/ 67 | | | | .1 | .2 | .2 | .2 | .4 | | .1 | | | | | | | | 11 | 11 | | |
| 66/ 65 | | | | | .2 | .2 | .2 | | | .1 | | | | | | | | 7 | 7 | | |
| 64/ 63 | | .1 | .1 | .5 | .2 | .2 | .4 | | | | | | | | | | | 13 | 13 | | |
| 62/ 61 | | .2 | .2 | .2 | .2 | | .2 | .1 | | | | | | | | | | 11 | 11 | 3 | |
| 60/ 59 | | .1 | .2 | .5 | .5 | .5 | .5 | .1 | .1 | | | | | | | | | 21 | 21 | 8 | 3 |
| 58/ 57 | | .1 | | .7 | .2 | .1 | .7 | .2 | | | | | | | | | | 18 | 18 | 12 | 2 |
| 56/ 55 | .1 | .5 | .5 | .4 | .5 | .4 | .2 | .4 | | | | | | | | | | 24 | 24 | 23 | 6 |
| 54/ 53 | .4 | .6 | .7 | 1.1 | .5 | .5 | .1 | | | | | | | | | | | 32 | 32 | 20 | 14 |
| 52/ 51 | | .9 | .7 | .7 | .9 | .4 | .2 | | | | | | | | | | | 31 | 31 | 27 | 12 |
| 50/ 49 | | .2 | 1.0 | .9 | 1.2 | .5 | .5 | | | | | | | | | | | 35 | 35 | 21 | 12 |
| 48/ 47 | | 1.5 | .5 | .5 | 1.1 | .2 | .1 | | | | | | | | | | | 32 | 32 | 34 | 23 |
| 46/ 45 | | 1.7 | .9 | 1.2 | .7 | .2 | | | | | | | | | | | | 39 | 39 | 39 | 29 |
| 44/ 43 | | 1.4 | .9 | .4 | .7 | | | | | | | | | | | | | 27 | 27 | 40 | 25 |
| 42/ 41 | | 1.0 | 1.2 | 1.5 | 1.0 | .1 | | | | | | | | | | | | 39 | 39 | 44 | 40 |
| 40/ 39 | .1 | 1.4 | 2.6 | .6 | .9 | .1 | | | | | | | | | | | | 46 | 46 | 35 | 26 |
| 38/ 37 | .1 | 2.6 | 2.0 | 1.5 | .6 | | | | | | | | | | | | | 55 | 55 | 47 | 25 |
| 36/ 35 | .1 | 2.7 | 2.9 | 2.0 | .1 | | | | | | | | | | | | | 64 | 64 | 53 | 31 |
| 34/ 33 | | 2.5 | 2.9 | 1.4 | .1 | | | | | | | | | | | | | 56 | 56 | 59 | 51 |
| 32/ 31 | .2 | 2.9 | 3.4 | 1.4 | | | | | | | | | | | | | | 65 | 65 | 66 | 59 |
| 30/ 29 | .6 | 1.7 | 3.9 | .6 | | | | | | | | | | | | | | 56 | 56 | 78 | 61 |
| 28/ 27 | .7 | 1.6 | 2.2 | .2 | | | | | | | | | | | | | | 39 | 40 | 52 | 37 |
| 26/ 25 | | 1.4 | 1.4 | | | | | | | | | | | | | | | 22 | 24 | 57 | 70 |
| 24/ 23 | .1 | 1.0 | 1.0 | | | | | | | | | | | | | | | 17 | 17 | 36 | 36 |
| 22/ 21 | .1 | .5 | .7 | | | | | | | | | | | | | | | 11 | 11 | 17 | 50 |
| 20/ 19 | | 1.6 | .1 | | | | | | | | | | | | | | | 14 | 14 | 15 | 62 |
| 18/ 17 | | .4 | .1 | | | | | | | | | | | | | | | 4 | 4 | 11 | 47 |
| 16/ 15 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 3 | 18 |
| 14/ 13 | | .5 | .1 | | | | | | | | | | | | | | | 5 | 5 | 3 | 21 |
| 12/ 11 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 4 | 19 |
| 10/ 9 | | .5 | | | | | | | | | | | | | | | | 4 | 4 | 3 | 12 |
| 8/ 7 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 3 | 8 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_n$ | 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) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 5/ 5 | | | | | | | | | | | | | | | | | | | | 1 | 3 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 5 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 2 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 1 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 2.7 | 30.0 | 30.5 | 16.3 | 10.1 | 4.1 | 3.7 | 1.8 | .5 | .4 | | | | | | | | 814 | 817 | 814 | 814 |

| Element (X) | $\Sigma_{\bar{X}'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3872152 | 54578 | 67.0 | 16.176 | 814 | | | | | | | |
| Dry Bulb | 1445510 | 32654 | 40.2 | 12.345 | 817 | | 27.8 | 2.6 | .1 | | | 93 |
| Wet Bulb | 1141805 | 29237 | 35.9 | 10.619 | 814 | | 39.9 | | | | | 93 |
| Dew Point | 816551 | 23923 | 29.4 | 11.814 | 814 | .6 | 58.8 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 68/ 67 | | | | | .1 | .1 | | | | | | | | | | | | 2 | 2 | | |
| 66/ 65 | | | | | | .1 | .2 | .4 | | | | | | | | | | 6 | 6 | | |
| 64/ 63 | | | | .1 | .4 | .4 | .4 | | | | | | | | | | | 10 | 10 | | |
| 62/ 61 | | .4 | | .1 | .7 | .6 | .1 | | | | | | | | | | | 16 | 16 | 1 | |
| 60/ 59 | | .1 | .4 | .4 | .1 | .2 | | .1 | | | | | | | | | | 11 | 11 | 3 | 2 |
| 58/ 57 | | .6 | .2 | | .5 | .2 | .1 | .2 | | | | | | | | | | 16 | 16 | 9 | 1 |
| 56/ 55 | | .2 | .4 | .1 | .4 | .6 | .1 | | | | | | | | | | | 15 | 15 | 13 | 3 |
| 54/ 53 | .4 | .7 | 1.5 | .5 | .2 | .1 | | | | | | | | | | | | 28 | 28 | 16 | 13 |
| 52/ 51 | | 1.5 | .7 | .9 | .5 | .5 | | | | | | | | | | | | 33 | 33 | 24 | 9 |
| 50/ 49 | | .6 | 1.2 | 1.2 | .1 | .5 | | | | | | | | | | | | 30 | 30 | 30 | 14 |
| 48/ 47 | | .9 | 1.0 | .9 | .9 | .2 | .1 | | | | | | | | | | | 32 | 32 | 23 | 25 |
| 46/ 45 | | 1.7 | .6 | 1.6 | .4 | .2 | | | | | | | | | | | | 37 | 37 | 46 | 21 |
| 44/ 43 | | 1.2 | 1.0 | .9 | .4 | .1 | | | | | | | | | | | | 29 | 29 | 32 | 28 |
| 42/ 41 | .1 | 1.0 | 1.0 | .7 | .1 | | | | | | | | | | | | | 24 | 24 | 33 | 27 |
| 40/ 39 | .2 | 2.1 | 1.2 | .9 | | | | | | | | | | | | | | 36 | 36 | 37 | 35 |
| 38/ 37 | | 3.1 | 1.0 | 1.5 | .4 | | | | | | | | | | | | | 48 | 50 | 34 | 28 |
| 36/ 35 | | 4.5 | 1.0 | 1.2 | | | | | | | | | | | | | | 55 | 55 | 51 | 31 |
| 34/ 33 | .5 | 3.3 | 3.1 | .6 | | | | | | | | | | | | | | 61 | 61 | 64 | 40 |
| 32/ 31 | .2 | 5.0 | 4.9 | .5 | | | | | | | | | | | | | | 86 | 86 | 51 | 81 |
| 30/ 29 | .2 | 3.4 | 3.2 | .4 | | | | | | | | | | | | | | 58 | 58 | 74 | 43 |
| 28/ 27 | 1.5 | 4.7 | 1.2 | | | | | | | | | | | | | | | 60 | 60 | 84 | 44 |
| 26/ 25 | .4 | 1.7 | 1.1 | | | | | | | | | | | | | | | 26 | 27 | 63 | 60 |
| 24/ 23 | .2 | .6 | 1.5 | | | | | | | | | | | | | | | 19 | 21 | 29 | 41 |
| 22/ 21 | 1.2 | 1.5 | 1.1 | | | | | | | | | | | | | | | 31 | 31 | 25 | 50 |
| 20/ 19 | .1 | 2.6 | | | | | | | | | | | | | | | | 22 | 22 | 32 | 82 |
| 18/ 17 | | .5 | .1 | | | | | | | | | | | | | | | 5 | 5 | 18 | 31 |
| 16/ 15 | | .6 | | | | | | | | | | | | | | | | 5 | 5 | 5 | 19 |
| 14/ 13 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 4 | 26 |
| 12/ 11 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 3 | 22 |
| 10/ 9 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 1 | 14 |
| 8/ 7 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 3 | 6 |
| 6/ 5 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 2 | 4 |
| 4/ 3 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 2 | 6 |
| 2/ 1 | .1 | .2 | | | | | | | | | | | | | | | | 3 | 3 | 3 | 1 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

PAGE 2 2100-2300 (HOURS (L. S. T.))

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| / -1 | | | | | | | | | | | | | | | | | | | | 1 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | 3 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | 2 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 5.0 | 44.2 | 27.4 | 12.4 | 5.2 | 4.0 | 1.1 | .7 | | | | | | | | | 815 | 820 | 815 | 815 |

| Element (X) | $\Sigma_X'$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 4411351 | 58831 | 72.2 | 14.221 | 815 | | | | | | | |
| Dry Bulb | 1261964 | 30626 | 37.3 | 12.009 | 820 | | 37.3 | .2 | | | | 93 |
| Wet Bulb | 1041441 | 27791 | 34.1 | 10.734 | 815 | | 45.5 | | | | | 93 |
| Dew Point | 785031 | 23413 | 28.7 | 11.753 | 815 | .9 | 61.4 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 76/ 75 | | | | | | | .0 | .0 | .0 | .0 | .0 | | | | | | | 8 | 8 | | |
| 74/ 73 | | | | | | | .0 | | .1 | .0 | .0 | | | | | | | 10 | 10 | | |
| 72/ 71 | | | | | .0 | .0 | .0 | .1 | .1 | | .0 | | | | | | | 16 | 16 | | |
| 70/ 69 | | | | .0 | .1 | .1 | .1 | .2 | .0 | .0 | .0 | | | | | | | 41 | 41 | | |
| 68/ 67 | | | .0 | .1 | .2 | .0 | .1 | .1 | .0 | .0 | | | | | | | | 35 | 35 | | |
| 66/ 65 | | | .1 | .1 | .1 | .2 | .1 | .1 | .1 | .1 | | | | | | | | 57 | 57 | | |
| 64/ 63 | | .0 | .2 | .2 | .2 | .1 | .2 | .1 | .1 | | | | | | | | | 75 | 75 | 11 | |
| 62/ 61 | | .2 | .2 | .2 | .1 | .1 | .2 | .1 | .0 | | | | | | | | | 89 | 89 | 28 | 1 |
| 60/ 59 | | .1 | .3 | .3 | .3 | .2 | .3 | .1 | .0 | | | | | | | | | 121 | 121 | 50 | 13 |
| 58/ 57 | | .4 | .6 | .4 | .4 | .2 | .2 | .2 | | | | | | | | | | 160 | 160 | 66 | 41 |
| 56/ 55 | .0 | .7 | .5 | .4 | .4 | .3 | .3 | .1 | .1 | | | | | | | | | 189 | 189 | 142 | 41 |
| 54/ 53 | .2 | .7 | .7 | .6 | .5 | .4 | .1 | .0 | | | | | | | | | | 214 | 214 | 177 | 102 |
| 52/ 51 | .0 | 1.1 | .6 | .5 | .4 | .4 | .2 | .0 | | | | | | | | | | 216 | 216 | 172 | 107 |
| 50/ 49 | .2 | .9 | .9 | .6 | .6 | .5 | .2 | | | | | | | | | | | 251 | 251 | 231 | 164 |
| 48/ 47 | .0 | 1.3 | .7 | .5 | .6 | .4 | .0 | | | | | | | | | | | 248 | 248 | 227 | 169 |
| 46/ 45 | .0 | 1.9 | .7 | 1.0 | .6 | .3 | | | | | | | | | | | | 306 | 306 | 302 | 166 |
| 44/ 43 | .2 | 1.2 | 1.2 | .6 | .6 | .0 | | | | | | | | | | | | 261 | 262 | 272 | 249 |
| 42/ 41 | .2 | 1.1 | 1.1 | 1.2 | .7 | .1 | | | | | | | | | | | | 288 | 288 | 269 | 227 |
| 40/ 39 | .4 | 1.6 | 1.7 | 1.1 | .5 | .1 | | | | | | | | | | | | 348 | 348 | 329 | 203 |
| 38/ 37 | .3 | 2.2 | 1.6 | 1.1 | .4 | .0 | | | | | | | | | | | | 365 | 367 | 355 | 241 |
| 36/ 35 | .2 | 2.6 | 1.9 | 1.3 | .3 | | | | | | | | | | | | | 420 | 421 | 386 | 242 |
| 34/ 33 | .3 | 3.4 | 2.7 | 1.0 | .2 | | | | | | | | | | | | | 496 | 496 | 503 | 327 |
| 32/ 31 | .3 | 3.6 | 3.2 | 1.1 | .0 | | | | | | | | | | | | | 539 | 543 | 441 | 526 |
| 30/ 29 | .4 | 2.9 | 2.7 | .5 | | | | | | | | | | | | | | 422 | 423 | 569 | 395 |
| 28/ 27 | .9 | 3.0 | 1.4 | .2 | | | | | | | | | | | | | | 361 | 362 | 505 | 375 |
| 26/ 25 | .6 | 2.2 | 1.4 | .1 | | | | | | | | | | | | | | 280 | 287 | 469 | 499 |
| 24/ 23 | .3 | 1.3 | .5 | .0 | | | | | | | | | | | | | | 142 | 146 | 295 | 367 |
| 22/ 21 | .4 | 1.4 | .6 | | | | | | | | | | | | | | | 161 | 161 | 197 | 402 |
| 20/ 19 | .5 | 1.7 | .3 | | | | | | | | | | | | | | | 160 | 160 | 180 | 460 |
| 18/ 17 | .1 | .8 | .3 | | | | | | | | | | | | | | | 78 | 78 | 116 | 301 |
| 16/ 15 | .1 | .6 | .1 | | | | | | | | | | | | | | | 52 | 52 | 79 | 241 |
| 14/ 13 | .0 | .5 | .0 | | | | | | | | | | | | | | | 37 | 37 | 39 | 182 |
| 12/ 11 | .0 | .3 | | | | | | | | | | | | | | | | 22 | 22 | 40 | 161 |
| 10/ 9 | .1 | .3 | | | | | | | | | | | | | | | | 24 | 24 | 24 | 91 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_n$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 88 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) 2/64 REVISES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)



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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | | |
| 8/ 7 | .1 | .1 | | | | | | | | | | | | | | | | | 13 | 13 | 24 | 72 |
| 6/ 5 | | .1 | | | | | | | | | | | | | | | | | 6 | 6 | 10 | 35 |
| 4/ 3 | .1 | .1 | | | | | | | | | | | | | | | | | 12 | 12 | 12 | 49 |
| 2/ 1 | .1 | .2 | | | | | | | | | | | | | | | | | 20 | 20 | 21 | 32 |
| 0/ -1 | .0 | | | | | | | | | | | | | | | | | | 3 | 3 | 5 | 18 |
| -2/ -3 | .1 | | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 13 |
| -4/ -5 | .2 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 17 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | | 12 |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | | 10 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 6.0 | 38.9 | 26.1 | 13.6 | 7.7 | 3.5 | 2.1 | 1.2 | .5 | .2 | .1 | | | | | | | | 6553 | 6574 | 6553 | 6553 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 34966585 | 463213 | 70.7 | 16.218 | 6553 | | | | | | | |
| Dry Bulb | 10721191 | 251839 | 38.3 | 12.781 | 6574 | 1.1 | 266.6 | 12.4 | 2.0 | | | 744 |
| Wet Bulb | 8703580 | 227208 | 34.7 | 11.226 | 6553 | 1.4 | 344.4 | | | | | 744 |
| Dew Point | 6485369 | 189365 | 28.9 | 12.312 | 6553 | 8.2 | 483.7 | | | | | 744 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | APR MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 7[illegible]/ 69 | | | | | .4 | | | .1 | | | | | | | | | | 4 | 4 | | |
| 68/ 67 | | | .1 | | .3 | .1 | .8 | .1 | | | | | | | | | | 11 | 11 | | |
| 66/ 65 | | | .4 | .7 | .4 | .1 | .3 | .1 | | | | | | | | | | 15 | 15 | | |
| 64/ 63 | | .4 | .3 | 1.2 | .5 | .1 | .3 | | | | | | | | | | | 21 | 21 | 4 | 2 |
| 62/ 61 | | .3 | .7 | 1.3 | .8 | .7 | .3 | | | | | | | | | | | 30 | 30 | 8 | 1 |
| 60/ 59 | .1 | 1.1 | 2.1 | .9 | .3 | .7 | .3 | .1 | | | | | | | | | | 42 | 45 | 14 | 6 |
| 58/ 57 | .1 | 1.1 | .7 | .4 | .7 | .7 | .3 | .8 | | | | | | | | | | 35 | 38 | 43 | 13 |
| 56/ 55 | | .5 | 1.6 | .4 | .4 | .3 | .3 | | | | | | | | | | | 26 | 26 | 39 | 22 |
| 54/ 53 | | .1 | .9 | .7 | .4 | .1 | .1 | | | | | | | | | | | 18 | 19 | 20 | 33 |
| 52/ 51 | | .8 | .9 | .7 | .4 | .4 | | | | | | | | | | | | 24 | 25 | 28 | 15 |
| 50/ 49 | | .7 | 2.0 | | 1.2 | .3 | | | | | | | | | | | | 31 | 33 | 25 | 31 |
| 48/ 47 | .1 | 1.2 | 1.3 | .4 | 1.2 | | | | | | | | | | | | | 32 | 32 | 30 | 25 |
| 46/ 45 | .3 | 3.2 | .9 | .7 | 1.1 | | | | | | | | | | | | | 46 | 47 | 49 | 28 |
| 44/ 43 | .1 | 2.5 | 3.4 | 2.1 | .5 | .1 | | | | | | | | | | | | 67 | 70 | 36 | 33 |
| 42/ 41 | .3 | 2.4 | 1.9 | 1.9 | | | | | | | | | | | | | | 48 | 48 | 50 | 42 |
| 40/ 39 | .8 | .7 | 3.6 | 1.6 | | | | | | | | | | | | | | 50 | 52 | 67 | 28 |
| 38/ 37 | .3 | 5.0 | 2.8 | .4 | | | | | | | | | | | | | | 64 | 66 | 57 | 54 |
| 36/ 35 | .7 | 3.3 | 2.6 | 1.1 | | | | | | | | | | | | | | 58 | 58 | 74 | 47 |
| 34/ 33 | .5 | 1.5 | 1.5 | .8 | | | | | | | | | | | | | | 32 | 32 | 62 | 40 |
| 32/ 31 | .4 | 1.9 | 2.5 | .1 | | | | | | | | | | | | | | 37 | 42 | 35 | 99 |
| 30/ 29 | .1 | 2.0 | 1.5 | | | | | | | | | | | | | | | 27 | 30 | 38 | 63 |
| 28/ 27 | .1 | 1.5 | .1 | | | | | | | | | | | | | | | 13 | 16 | 37 | 31 |
| 26/ 25 | | 1.1 | .3 | | | | | | | | | | | | | | | 10 | 11 | 17 | 35 |
| 24/ 23 | | .7 | .3 | | | | | | | | | | | | | | | 7 | 8 | 8 | 28 |
| 22/ 21 | .3 | .5 | | | | | | | | | | | | | | | | 6 | 6 | 12 | 26 |
| 20/ 19 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 1 | 31 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | 1 | 1 | 14 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 3 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 3 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 1 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 4.2 | 32.2 | 32.5 | 15.2 | 8.5 | 3.6 | 2.5 | 1.3 | | | | | | | | | | | 787 | | 755 |
| | | | | | | | | | | | | | | | | | | 755 | | 755 | |

| Element (X) | $\Sigma_X'$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4201845 | 55231 | 73.2 | 19.635 | 755 | | | | | | | |
| Dry Bulb | 1662349 | 35071 | 44.6 | 11.250 | 787 | | 13.2 | 1.7 | | | | 90 |
| Wet Bulb | 1338597 | 30903 | 40.9 | 9.887 | 755 | | 17.8 | | | | | 90 |
| Dew Point | 1071493 | 27269 | 36.1 | 10.711 | 755 | | 39.9 | | | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | APR MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 7 / 69 | | | | | .1 | | .4 | | | | | | | | | | | 4 | 4 | | |
| 6 / 67 | | | | .1 | | | | .4 | | | | | | | | | | 4 | 4 | | |
| 6 / 65 | | | .1 | .6 | .4 | .4 | | .3 | | | | | | | | | | 14 | 15 | | |
| 4 / 63 | | | .3 | 1.0 | .6 | .3 | | | | | | | | | | | | 17 | 17 | | |
| 6 / 61 | | .3 | .5 | 1.4 | .9 | .4 | .5 | | .1 | | | | | | | | | 32 | 34 | 3 | |
| 4 / 59 | | 1.2 | 2.2 | 1.0 | .3 | .4 | .1 | .1 | | | | | | | | | | 41 | 42 | 14 | 3 |
| 5 / 57 | | .8 | 1.6 | .6 | .5 | .4 | .3 | .1 | | | | | | | | | | 33 | 34 | 36 | 11 |
| 5 / 55 | | .6 | .3 | .4 | .4 | | .8 | | | | | | | | | | | 19 | 20 | 41 | 21 |
| 4 / 53 | | 1.0 | 1.0 | .3 | .4 | .1 | | | | | | | | | | | | 22 | 22 | 27 | 32 |
| 2 / 51 | .1 | .4 | .5 | .5 | .1 | | | | | | | | | | | | | 13 | 13 | 23 | 21 |
| 5 / 49 | .3 | .6 | 1.0 | .6 | .4 | | | | | | | | | | | | | 23 | 25 | 24 | 31 |
| 8 / 47 | | .8 | .9 | .4 | .8 | | | | | | | | | | | | | 22 | 22 | 22 | 20 |
| 6 / 45 | | 2.9 | .4 | 1.2 | .9 | | | | | | | | | | | | | 41 | 41 | 35 | 17 |
| 4 / 43 | | 2.6 | 2.5 | 1.0 | | .4 | | | | | | | | | | | | 50 | 51 | 35 | 30 |
| 2 / 41 | .4 | 3.9 | 2.2 | 1.4 | | | | | | | | | | | | | | 61 | 62 | 34 | 46 |
| 1 / 39 | .5 | 2.7 | 3.1 | 1.4 | | | | | | | | | | | | | | 60 | 63 | 75 | 29 |
| 8 / 37 | .8 | 4.9 | 2.1 | 1.6 | | | | | | | | | | | | | | 72 | 74 | 59 | 52 |
| 6 / 35 | .9 | 3.8 | 2.2 | .8 | | | | | | | | | | | | | | 59 | 60 | 84 | 42 |
| 4 / 33 | .6 | 2.5 | 1.9 | .1 | | | | | | | | | | | | | | 40 | 40 | 60 | 50 |
| 2 / 31 | .5 | 3.5 | 2.6 | | | | | | | | | | | | | | | 51 | 53 | 50 | 97 |
| 3 / 29 | .1 | 2.2 | 1.9 | | | | | | | | | | | | | | | 33 | 33 | 45 | 62 |
| 2 / 27 | .4 | 2.1 | .4 | | | | | | | | | | | | | | | 22 | 25 | 35 | 38 |
| 0 / 25 | .1 | 1.2 | | | | | | | | | | | | | | | | 10 | 14 | 31 | 44 |
| 4 / 23 | .3 | 1.0 | | | | | | | | | | | | | | | | 10 | 10 | 13 | 26 |
| 2 / 21 | .1 | .9 | | | | | | | | | | | | | | | | 8 | 8 | 9 | 32 |
| 2 / 19 | .3 | .9 | | | | | | | | | | | | | | | | 9 | 9 | 11 | 39 |
| 18 / 17 | | | | | | | | | | | | | | | | | | | | 4 | 17 |
| 16 / 15 | | | | | | | | | | | | | | | | | | | | | 3 |
| 14 / 13 | | | | | | | | | | | | | | | | | | | | | 4 |
| 10 / 9 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 5.5 | 40.6 | 27.6 | 14.7 | 5.6 | 2.3 | 2.1 | .9 | .1 | | | | | | | | | 770 | 795 | 770 | 770 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4523704 | 58040 | 75.4 | 13.912 | 770 | | | | | | | |
| Dry Bulb | 1861771 | 34035 | 42.8 | 11.483 | 795 | | 17.2 | .9 | | | | 90 |
| Wet Bulb | 1279091 | 30401 | 39.5 | 10.093 | 770 | | 23.1 | | | | | 90 |
| Dew Point | 1037470 | 27048 | 35.1 | 10.658 | 770 | | 42.7 | | | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 70/ 69 | | | | | .1 | .4 | | | | | | | | | | | | 4 | 4 | | |
| 68/ 67 | | | | | .6 | .5 | .3 | .1 | | | | | | | | | | 12 | 12 | | |
| 66/ 65 | | | .5 | .3 | .6 | | .3 | | | | | | | | | | | 13 | 13 | | |
| 64/ 63 | | | .3 | .6 | .4 | .1 | | | | | | | | | | | | 11 | 11 | | |
| 62/ 61 | | .4 | .8 | 1.0 | .6 | .3 | .1 | | | | | | | | | | | 25 | 25 | 7 | |
| 60/ 59 | .4 | 1.8 | 2.3 | .5 | .8 | .8 | .1 | .1 | | | | | | | | | | 53 | 53 | 22 | 12 |
| 58/ 57 | | 1.4 | .5 | .1 | .4 | .6 | .3 | .1 | | | | | | | | | | 27 | 27 | 43 | 8 |
| 56/ 55 | | 1.1 | .1 | .5 | .8 | .9 | .3 | | | | | | | | | | | 32 | 33 | 33 | 28 |
| 54/ 53 | | .4 | .4 | .6 | | .4 | | | | | | | | | | | | 14 | 14 | 22 | 38 |
| 52/ 51 | | 1.1 | .6 | .1 | .4 | .3 | .1 | | | | | | | | | | | 21 | 21 | 18 | 23 |
| 50/ 49 | | .5 | 1.4 | .6 | 1.0 | .1 | | | | | | | | | | | | 29 | 29 | 28 | 13 |
| 48/ 47 | | .9 | .9 | .8 | 1.0 | .3 | | | | | | | | | | | | 30 | 30 | 31 | 21 |
| 46/ 45 | .3 | 2.1 | 1.4 | 1.5 | .5 | .1 | | | | | | | | | | | | 47 | 47 | 35 | 28 |
| 44/ 43 | .4 | 1.9 | 1.9 | 1.4 | .3 | .1 | | | | | | | | | | | | 47 | 47 | 38 | 25 |
| 42/ 41 | .1 | 4.3 | 2.9 | 1.4 | .4 | | | | | | | | | | | | | 72 | 72 | 49 | 35 |
| 40/ 39 | .6 | 4.0 | 2.4 | 1.3 | | | | | | | | | | | | | | 66 | 66 | 79 | 41 |
| 38/ 37 | .5 | 5.9 | 1.8 | 1.5 | | | | | | | | | | | | | | 77 | 77 | 79 | 56 |
| 36/ 35 | .4 | 2.8 | 1.5 | .5 | | | | | | | | | | | | | | 41 | 41 | 71 | 57 |
| 34/ 33 | .1 | 3.3 | 1.1 | | | | | | | | | | | | | | | 36 | 36 | 50 | 79 |
| 32/ 31 | .9 | 4.4 | 2.5 | .1 | | | | | | | | | | | | | | 63 | 63 | 59 | 78 |
| 30/ 29 | .1 | 2.3 | .4 | | | | | | | | | | | | | | | 22 | 23 | 53 | 54 |
| 28/ 27 | .4 | 1.1 | .4 | | | | | | | | | | | | | | | 15 | 16 | 27 | 48 |
| 26/ 25 | .8 | 1.1 | .1 | | | | | | | | | | | | | | | 16 | 16 | 18 | 43 |
| 24/ 23 | .4 | .6 | | | | | | | | | | | | | | | | 8 | 8 | 16 | 36 |
| 22/ 21 | .5 | .3 | | | | | | | | | | | | | | | | 8 | 8 | 7 | 31 |
| 20/ 19 | .1 | .5 | | | | | | | | | | | | | | | | 5 | 5 | 5 | 18 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | 4 | 10 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 5 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 4 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 2 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 5.9 | 42.4 | 24.4 | 12.8 | 7.8 | 4.8 | 1.4 | .4 | | | | | | | | | | 794 | 797 | 794 | 794 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4717592 | 60086 | 75.7 | 14.667 | 794 | | | | | | | |
| Dry Bulb | 1611416 | 34706 | 43.8 | 11.215 | 797 | | 15.7 | 1.8 | | | | 90 |
| Wet Bulb | 1357728 | 31878 | 40.1 | 9.906 | 794 | | 21.4 | | | | | 90 |
| Dew Point | 1108584 | 28472 | 35.9 | 10.512 | 794 | | 37.4 | | | | | 90 |

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | APR MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | | |
| 78/ 77 | | | | | | | .1 | | | .1 | | | | | | | | | 2 | 2 | | |
| 76/ 75 | | | | | | | .6 | .1 | .3 | | | | | | | | | | 8 | 8 | | |
| 74/ 73 | | | | | | .1 | .9 | .1 | .5 | .3 | | | | | | | | | 15 | 15 | | |
| 72/ 71 | | | | | | .1 | .5 | .3 | .4 | | .1 | | | | | | | | 11 | 11 | | |
| 70/ 69 | | | | .3 | .8 | .5 | .6 | .3 | | .1 | .1 | | | | | | | | 21 | 21 | | |
| 68/ 67 | | | .3 | .1 | 1.1 | .3 | .6 | .1 | .3 | .1 | | | | | | | | | 23 | 23 | | |
| 66/ 65 | | .1 | .1 | .5 | 1.0 | .5 | .5 | .1 | .1 | | | | | | | | | | 24 | 24 | 2 | |
| 64/ 63 | | .1 | .4 | .9 | | .5 | .8 | .3 | .3 | | | | | | | | | | 25 | 25 | 22 | |
| 62/ 61 | | 1.8 | 1.0 | .5 | .4 | .5 | .3 | .6 | .4 | | | | | | | | | | 43 | 43 | 19 | 3 |
| 60/ 59 | | 1.3 | .6 | .3 | .8 | .8 | 1.0 | .5 | .1 | | | | | | | | | | 42 | 42 | 47 | 17 |
| 58/ 57 | .1 | .3 | .4 | .6 | .4 | .6 | .9 | .3 | .1 | | | | | | | | | | 29 | 29 | 44 | 27 |
| 56/ 55 | | .4 | .5 | .1 | .9 | 1.1 | .5 | | | | | | | | | | | | 28 | 28 | 17 | 36 |
| 54/ 53 | .1 | .9 | .3 | 1.0 | 1.0 | 1.5 | .9 | | | | | | | | | | | | 45 | 45 | 22 | 29 |
| 52/ 51 | .1 | .9 | .5 | 1.3 | 1.3 | 1.4 | .4 | | | | | | | | | | | | 46 | 46 | 37 | 21 |
| 50/ 49 | .1 | .3 | .5 | 1.3 | 1.1 | 1.4 | .1 | | | | | | | | | | | | 38 | 38 | 32 | 21 |
| 48/ 47 | | 1.4 | .8 | 1.3 | 1.4 | .9 | .1 | | | | | | | | | | | | 46 | 46 | 42 | 23 |
| 46/ 45 | .1 | 1.5 | 1.4 | 1.4 | 1.8 | .5 | | | | | | | | | | | | | 53 | 53 | 60 | 29 |
| 44/ 43 | .4 | 2.3 | 2.4 | 1.1 | 1.0 | .3 | | | | | | | | | | | | | 59 | 59 | 67 | 31 |
| 42/ 41 | .1 | 2.1 | 2.8 | 2.1 | 1.5 | | | | | | | | | | | | | | 69 | 69 | 66 | 40 |
| 40/ 39 | | 1.4 | 1.0 | 1.4 | .6 | | | | | | | | | | | | | | 35 | 35 | 71 | 45 |
| 38/ 37 | .1 | 1.8 | 1.0 | .5 | .1 | | | | | | | | | | | | | | 28 | 28 | 65 | 56 |
| 36/ 35 | .4 | 1.4 | 1.9 | .6 | | | | | | | | | | | | | | | 34 | 34 | 44 | 58 |
| 34/ 33 | .1 | 2.4 | 1.4 | .3 | | | | | | | | | | | | | | | 33 | 33 | 45 | 58 |
| 32/ 31 | .1 | 1.4 | .6 | .1 | | | | | | | | | | | | | | | 18 | 18 | 47 | 71 |
| 30/ 29 | | .3 | .9 | | | | | | | | | | | | | | | | 9 | 9 | 20 | 56 |
| 28/ 27 | | .5 | .1 | | | | | | | | | | | | | | | | 5 | 5 | 11 | 49 |
| 26/ 25 | .3 | .3 | | | | | | | | | | | | | | | | | 4 | 4 | 11 | 46 |
| 24/ 23 | | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 2 | 28 |
| 22/ 21 | | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 24 |
| 20/ 19 | | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 1 | 12 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 2 | 11 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | 4 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | 2 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| TOTAL | 2.1 | 23.0 | 18.7 | 15.6 | 15.3 | 12.0 | 7.8 | 3.1 | 1.8 | .4 | .3 | | | | | | | 797 | 797 | 797 | 797 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3599359 | 51555 | 64.7 | 18.227 | 797 | | | | | | | |
| Dry Bulb | 2095190 | 39782 | 49.9 | 11.726 | 797 | | 4.5 | 9.0 | 2.8 | | | 90 |
| Wet Bulb | 1624088 | 35122 | 44.1 | 9.795 | 797 | | 10.7 | | | | | 90 |
| Dew Point | 1209110 | 29790 | 37.4 | 10.963 | 797 | | 34.2 | | | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| [illegible] / 79 | | | | | | | .1 | | .1 | .4 | | | | | | | | 5 | 5 | | |
| 78 / 77 | | | | | .1 | .1 | .4 | .6 | .4 | .6 | .3 | | | | | | | 20 | 20 | | |
| 76 / 75 | | | | | .1 | .1 | 1.5 | .5 | .6 | .1 | .3 | | | | | | | 26 | 26 | | |
| 74 / 73 | | | | | .3 | .5 | 1.1 | .3 | .1 | | .3 | .1 | | | | | | 21 | 21 | | |
| 72 / 71 | | | | | .1 | .4 | .3 | | .3 | .3 | .1 | | | | | | | 11 | 11 | | |
| [illegible] / 69 | | | | .4 | .4 | .5 | .1 | .8 | .1 | .5 | | | | | | | | 22 | 22 | 1 | |
| 68 / 67 | | | | .3 | .8 | .6 | .6 | .3 | .4 | .5 | | | | | | | | 27 | 27 | 3 | |
| 66 / 65 | | .1 | .8 | .5 | .3 | .5 | .6 | .5 | 1.1 | .4 | | | | | | | | 38 | 38 | 15 | 1 |
| 64 / 63 | | .3 | .6 | .3 | .4 | .5 | .6 | .6 | .9 | .3 | | | | | | | | 35 | 35 | 27 | 1 |
| 62 / 61 | | 1.0 | | .3 | .6 | .8 | 1.0 | .9 | .6 | .1 | | | | | | | | 42 | 42 | 38 | 5 |
| [illegible] / 59 | | 1.4 | .8 | .6 | .6 | 1.1 | 1.4 | .9 | .1 | | | | | | | | | 55 | 55 | 37 | 26 |
| 58 / 57 | | .1 | .4 | .1 | 1.1 | 1.1 | .6 | .6 | | | | | | | | | | 33 | 33 | 22 | 27 |
| 56 / 55 | | 1.0 | .3 | .3 | 1.6 | 1.4 | 1.4 | .3 | | | | | | | | | | 49 | 49 | 36 | 36 |
| 54 / 53 | | .5 | .1 | 1.1 | 1.6 | 1.5 | .9 | .1 | | | | | | | | | | 47 | 47 | 34 | 21 |
| 52 / 51 | | .5 | .3 | .8 | 1.0 | 1.5 | .5 | .1 | | | | | | | | | | 37 | 37 | 38 | 21 |
| 50 / 49 | .3 | .3 | .1 | .9 | .9 | 1.9 | .5 | | | | | | | | | | | 38 | 38 | 54 | 30 |
| 48 / 47 | .1 | .6 | .8 | 1.4 | 1.8 | 1.0 | | | | | | | | | | | | 45 | 45 | 70 | 19 |
| 46 / 45 | | 1.1 | 1.1 | 1.6 | 1.5 | .8 | | | | | | | | | | | | 49 | 49 | 58 | 24 |
| 44 / 43 | | .8 | 1.1 | 1.0 | 1.5 | .6 | | | | | | | | | | | | 40 | 40 | 54 | 31 |
| 42 / 41 | | .8 | 1.8 | .6 | 1.0 | .1 | | | | | | | | | | | | 34 | 34 | 62 | 36 |
| 40 / 39 | | 1.5 | 1.1 | 1.1 | .3 | | | | | | | | | | | | | 32 | 32 | 58 | 51 |
| 38 / 37 | .6 | 1.0 | .8 | 1.4 | | | | | | | | | | | | | | 30 | 30 | 52 | 49 |
| 36 / 35 | .5 | 1.3 | .4 | .9 | .3 | | | | | | | | | | | | | 26 | 26 | 49 | 51 |
| 34 / 33 | .1 | .3 | .1 | .4 | .1 | | | | | | | | | | | | | 8 | 8 | 34 | 74 |
| 32 / 31 | .1 | .4 | .9 | .1 | | | | | | | | | | | | | | 12 | 12 | 17 | 78 |
| 30 / 29 | | .3 | .1 | | | | | | | | | | | | | | | 3 | 3 | 12 | 57 |
| 28 / 27 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 14 | 34 |
| 26 / 25 | | | .4 | | | | | | | | | | | | | | | 3 | 3 | 1 | 32 |
| 24 / 23 | | | | | | | | | | | | | | | | | | | | 2 | 26 |
| 22 / 21 | | | | | | | | | | | | | | | | | | | | 1 | 33 |
| 20 / 19 | | | | | | | | | | | | | | | | | | | | | 16 |
| 18 / 17 | | | | | | | | | | | | | | | | | | | | | 3 |
| 16 / 15 | | | | | | | | | | | | | | | | | | | | | 1 |
| 14 / 13 | | | | | | | | | | | | | | | | | | | | | 5 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 / 11 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 1.9 | 13.2 | 11.9 | 14.1 | 16.5 | 15.2 | 11.8 | 6.5 | 4.8 | 3.2 | .9 | .1 | | | | | | 789 | | | 789 |
| | | | | | | | | | | | | | | | | | | 789 | | 789 | |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 2861194 | 45086 | 57.2 | 19.012 | 789 | | | | | | | |
| Dry Bulb | 2432161 | 42759 | 54.2 | 12.097 | 789 | | 2.2 | 15.1 | 8.2 | .2 | | 90 |
| Wet Bulb | 1771911 | 36605 | 46.4 | 9.668 | 789 | | 5.4 | .5 | | | | 90 |
| Dew Point | 1229559 | 29875 | 37.9 | 11.172 | 789 | | 32.6 | | | | | 90 |

USAFETAC FORM AS 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 82/ 81 | | | | | | | | | | .3 | | | | | | | | 2 | 2 | | |
| /79 | | | | | | | .1 | | | .8 | | | | | | | | 7 | 7 | | |
| 78/ 77 | | | | | | .1 | .6 | .8 | .4 | .5 | 1.0 | | | | | | | 27 | 27 | | |
| 76/ 75 | | | | | | .4 | 1.3 | 1.1 | .5 | .6 | | | | | | | | 31 | 31 | | |
| 74/ 73 | | | | | | .4 | .1 | .5 | | | | | | | | | | 8 | 8 | | |
| 72/ 71 | | | .1 | .1 | .4 | .4 | .5 | .5 | .4 | .8 | .1 | | | | | | | 26 | 26 | | |
| 70/ 69 | | | | .3 | .3 | .4 | .3 | .3 | .6 | .5 | .5 | | | | | | | 24 | 25 | | |
| 68/ 67 | | | .5 | .3 | | .3 | .1 | .6 | .4 | .4 | .1 | | | | | | | 21 | 21 | 5 | |
| 66/ 65 | | .1 | .1 | .6 | .3 | .4 | .4 | .6 | .9 | 1.0 | | | | | | | | 35 | 35 | 9 | |
| 64/ 63 | | .9 | .5 | .6 | .4 | .9 | 1.6 | 1.0 | .6 | .3 | | | | | | | | 54 | 54 | 35 | 1 |
| 62/ 61 | | .8 | .4 | .3 | .1 | 1.1 | .6 | 1.0 | .8 | | | | | | | | | 40 | 40 | 35 | 16 |
| 60/ 59 | | 1.0 | .8 | .8 | .6 | 1.1 | .8 | 1.4 | | | | | | | | | | 51 | 51 | 36 | 11 |
| 58/ 57 | | 1.3 | .1 | .3 | 1.0 | 1.0 | .8 | 1.5 | .1 | | | | | | | | | 48 | 48 | 33 | 28 |
| 56/ 55 | | .1 | .4 | .3 | 1.0 | 1.6 | 1.6 | | | | | | | | | | | 40 | 40 | 30 | 34 |
| 54/ 53 | .1 | .5 | .4 | .4 | .6 | 1.1 | 2.5 | .3 | | | | | | | | | | 47 | 47 | 40 | 22 |
| 52/ 51 | .3 | .1 | .8 | 1.0 | 1.5 | .5 | .4 | .1 | | | | | | | | | | 37 | 37 | 64 | 30 |
| 50/ 49 | | .9 | .3 | 1.1 | 2.1 | 1.1 | .5 | | | | | | | | | | | 48 | 48 | 42 | 24 |
| 48/ 47 | | .4 | .4 | .8 | .8 | 1.3 | .1 | | | | | | | | | | | 29 | 29 | 65 | 22 |
| 46/ 45 | | 1.1 | 1.6 | 1.4 | 1.5 | 1.6 | | | | | | | | | | | | 58 | 58 | 53 | 31 |
| 44/ 43 | | 1.4 | 1.5 | 1.1 | 1.1 | .5 | .1 | | | | | | | | | | | 46 | 46 | 80 | 31 |
| 42/ 41 | | .6 | 1.5 | .6 | 1.1 | .1 | | | | | | | | | | | | 32 | 32 | 56 | 43 |
| 40/ 39 | .1 | 1.4 | .9 | .5 | .3 | | | | | | | | | | | | | 25 | 25 | 51 | 57 |
| 38/ 37 | | 1.0 | .3 | .4 | .4 | | | | | | | | | | | | | 16 | 16 | 59 | 48 |
| 36/ 35 | .6 | .6 | .4 | .9 | | | | | | | | | | | | | | 20 | 20 | 39 | 55 |
| 34/ 33 | | .6 | .4 | .4 | | | | | | | | | | | | | | 11 | 11 | 23 | 71 |
| 32/ 31 | | .9 | .3 | .3 | | | | | | | | | | | | | | 11 | 11 | 13 | 60 |
| 30/ 29 | | .3 | .1 | | | | | | | | | | | | | | | 3 | 3 | 25 | 47 |
| 28/ 27 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 2 | 46 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 2 | 36 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 1 | 25 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 22 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 18 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 12 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 4 |

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | APR MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | Dry Bulb | Wet Bulb | Dew Point |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | 1.1 | 13.9 | 11.7 | 12.2 | 13.4 | 14.3 | 12.4 | 9.6 | 4.6 | 5.0 | 1.8 | | | | | | | | 798 | 799 | 798 | 798 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2777105 | 44333 | 55.6 | 19.855 | 798 | | | | | | | |
| Dry Bulb | 2559783 | 44201 | 55.3 | 11.982 | 799 | | 1.7 | 16.6 | 8.4 | .8 | | 90 |
| Wet Bulb | 1831677 | 37489 | 47.0 | 9.405 | 798 | | 4.8 | .6 | | | | 90 |
| Dew Point | 1250437 | 30299 | 38.0 | 11.203 | 798 | | 30.9 | | | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 78/ 77 | | | | | | | | | .1 | .3 | | | | | | | | 3 | 3 | | |
| 76/ 75 | | | | | | .1 | .3 | .4 | .3 | .4 | | | | | | | | 11 | 11 | | |
| 74/ 73 | | | | | .3 | .3 | .4 | .3 | .1 | | | | | | | | | 10 | 10 | | |
| 72/ 71 | | | | | | .9 | .8 | .4 | .5 | | | | | | | | | 20 | 20 | | |
| 70/ 69 | | | | .3 | .4 | .5 | .5 | .1 | .1 | .4 | | | | | | | | 18 | 18 | | |
| 68/ 67 | | | .3 | .5 | .4 | 1.2 | .3 | .4 | | .3 | | | | | | | | 25 | 25 | | |
| 66/ 65 | | .1 | .5 | .6 | .4 | .3 | .4 | .4 | .3 | .3 | | | | | | | | 25 | 25 | 5 | |
| 64/ 63 | | .4 | .5 | .4 | .6 | .5 | .8 | .6 | .3 | | | | | | | | | 32 | 32 | 13 | 1 |
| 62/ 61 | | 1.8 | .3 | .4 | .4 | .6 | .6 | .5 | .3 | | | | | | | | | 38 | 40 | 31 | 9 |
| 60/ 59 | | .6 | 1.4 | .3 | .3 | .8 | .3 | .9 | | | | | | | | | | 35 | 37 | 39 | 14 |
| 58/ 57 | | .8 | 1.0 | .4 | .6 | 1.7 | .9 | .4 | | | | | | | | | | 45 | 47 | 36 | 24 |
| 56/ 55 | | 1.0 | .1 | .4 | .8 | .9 | 1.7 | .1 | | | | | | | | | | 39 | 39 | 37 | 24 |
| 54/ 53 | .1 | .6 | .3 | 1.4 | 1.0 | .8 | .8 | .1 | | | | | | | | | | 40 | 41 | 29 | 35 |
| 52/ 51 | | .8 | .6 | .1 | 1.3 | 1.4 | .6 | | | | | | | | | | | 38 | 38 | 29 | 23 |
| 50/ 49 | | .3 | 1.4 | 1.2 | 1.3 | 1.8 | .4 | | | | | | | | | | | 49 | 49 | 42 | 29 |
| 48/ 47 | | .6 | 1.4 | 1.5 | 1.9 | .6 | .1 | | | | | | | | | | | 49 | 50 | 48 | 22 |
| 46/ 45 | .1 | .8 | 1.9 | 2.2 | .9 | .9 | | | | | | | | | | | | 53 | 53 | 42 | 17 |
| 44/ 43 | .1 | 2.1 | 2.1 | 1.2 | 1.2 | .6 | | | | | | | | | | | | 56 | 57 | 70 | 37 |
| 42/ 41 | .1 | 1.2 | 2.1 | .8 | .9 | .4 | | | | | | | | | | | | 42 | 42 | 76 | 38 |
| 40/ 39 | .4 | .8 | 1.0 | 1.7 | .9 | | | | | | | | | | | | | 37 | 37 | 72 | 54 |
| 38/ 37 | .1 | 1.9 | .8 | 1.2 | .5 | | | | | | | | | | | | | 35 | 35 | 45 | 43 |
| 36/ 35 | | .9 | 1.0 | 1.0 | .4 | | | | | | | | | | | | | 26 | 28 | 42 | 55 |
| 34/ 33 | .1 | 1.0 | 1.0 | .4 | | | | | | | | | | | | | | 20 | 21 | 41 | 57 |
| 32/ 31 | .1 | .6 | .9 | .4 | | | | | | | | | | | | | | 16 | 17 | 31 | 70 |
| 30/ 29 | | .3 | .8 | | | | | | | | | | | | | | | 8 | 9 | 27 | 43 |
| 28/ 27 | | .3 | .3 | | | | | | | | | | | | | | | 4 | 4 | 11 | 48 |
| 26/ 25 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 6 | 36 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 3 | 19 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 24 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 30 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 11 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 4 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 7 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 1 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| TOTAL | 1.3 | 17.0 | 19.7 | 16.3 | 14.5 | 14.3 | 8.8 | 4.6 | 1.9 | 1.5 | | | | | | | | 775 | 789 | 775 | 775 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_n$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3206646 | 47746 | 61.6 | 18.499 | 775 | | | | | | | |
| Dry Bulb | 2168806 | 40376 | 51.2 | 11.412 | 789 | | 3.5 | 9.9 | 2.7 | | | 90 |
| Wet Bulb | 1624943 | 34697 | 44.8 | 9.614 | 775 | | 9.1 | | | | | 90 |
| Dew Point | 1177473 | 28901 | 37.3 | 11.350 | 775 | | 34.0 | | | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | | |
| 72/ 71 | | | | | .3 | .1 | .3 | | | | | | | | | | | | 5 | 5 | | |
| 70/ 69 | | | | .1 | .3 | .4 | .3 | .3 | | | | | | | | | | | 10 | 10 | | |
| 68/ 67 | | | | .3 | .4 | .9 | .1 | | | | | | | | | | | | 13 | 13 | | |
| 66/ 65 | | .1 | .5 | 1.2 | 1.2 | .4 | .1 | .1 | | | | | | | | | | | 28 | 28 | | |
| 64/ 63 | | .1 | .3 | .6 | .5 | .5 | .5 | | | | | | | | | | | | 20 | 20 | 9 | 1 |
| 62/ 61 | | .9 | .6 | 1.0 | .5 | .4 | .3 | .1 | | | | | | | | | | | 30 | 30 | 8 | 2 |
| 60/ 59 | | 1.0 | 1.3 | .6 | .3 | .4 | .1 | .5 | | | | | | | | | | | 33 | 36 | 32 | 12 |
| 58/ 57 | | 2.3 | 1.2 | .5 | .6 | 1.0 | .6 | .1 | | | | | | | | | | | 50 | 51 | 39 | 17 |
| 56/ 55 | | .8 | .4 | .5 | 1.4 | .6 | .1 | | | | | | | | | | | | 30 | 30 | 41 | 35 |
| 54/ 53 | | .6 | .9 | .6 | .8 | .1 | .1 | | | | | | | | | | | | 25 | 26 | 26 | 23 |
| 52/ 51 | | .8 | 1.3 | .9 | 1.5 | 1.0 | | | | | | | | | | | | | 43 | 44 | 29 | 31 |
| 50/ 49 | | .8 | 1.3 | .3 | .9 | .9 | .1 | | | | | | | | | | | | 33 | 34 | 20 | 26 |
| 48/ 47 | .3 | 1.4 | .9 | 1.2 | 1.0 | .5 | | | | | | | | | | | | | 41 | 41 | 47 | 28 |
| 46/ 45 | | 1.7 | 1.7 | 1.4 | 1.4 | .3 | | | | | | | | | | | | | 50 | 51 | 51 | 25 |
| 44/ 43 | | 2.7 | 3.1 | 2.8 | .6 | | | | | | | | | | | | | | 72 | 74 | 44 | 34 |
| 42/ 41 | .4 | 1.5 | 3.2 | 1.0 | .1 | | | | | | | | | | | | | | 49 | 51 | 65 | 39 |
| 40/ 39 | .1 | 1.5 | 2.1 | 1.7 | .5 | | | | | | | | | | | | | | 46 | 47 | 63 | 34 |
| 38/ 37 | .4 | 3.2 | 1.8 | .9 | | | | | | | | | | | | | | | 49 | 49 | 74 | 63 |
| 36/ 35 | .3 | 1.4 | 2.1 | 1.5 | .1 | | | | | | | | | | | | | | 42 | 42 | 50 | 49 |
| 34/ 33 | .3 | 1.0 | 1.5 | 2.3 | | | | | | | | | | | | | | | 40 | 41 | 44 | 43 |
| 32/ 31 | .8 | 1.3 | 1.8 | .4 | | | | | | | | | | | | | | | 33 | 37 | 36 | 94 |
| 30/ 29 | .4 | .8 | .5 | | | | | | | | | | | | | | | | 13 | 15 | 48 | 43 |
| 28/ 27 | | .3 | .5 | | | | | | | | | | | | | | | | 6 | 7 | 28 | 33 |
| 26/ 25 | | .6 | .4 | | | | | | | | | | | | | | | | 8 | 9 | 5 | 36 |
| 24/ 23 | | .6 | | | | | | | | | | | | | | | | | 5 | 6 | 11 | 23 |
| 22/ 21 | | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 5 | 22 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 1 | 37 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | 13 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | 12 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 2.8 | 25.9 | 27.3 | 20.0 | 12.5 | 7.6 | 2.7 | 1.2 | | | | | | | | | | | 776 | 799 | 776 | 776 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 3940825 | 53987 | 69.6 | 15.446 | 776 | | | | | | | |
| Dry Bulb | 1843888 | 37354 | 46.8 | 11.057 | 799 | | 8.6 | 3.2 | | | | 90 |
| Wet Bulb | 1468875 | 32883 | 42.4 | 9.867 | 776 | | 15.5 | | | | | 90 |
| Dew Point | 1150053 | 28593 | 36.8 | 11.158 | 776 | | 36.4 | | | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)



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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 82/ 81 | | | | | | | | | | .0 | | | | | | | | 2 | 2 | | |
| 80/ 79 | | | | | | | .0 | | .0 | .1 | | | | | | | | 12 | 12 | | |
| 78/ 77 | | | | | .0 | .0 | .1 | .2 | .1 | .2 | .2 | | | | | | | 52 | 52 | | |
| 76/ 75 | | | | | .0 | .1 | .5 | .3 | .2 | .1 | .0 | | | | | | | 76 | 76 | | |
| 74/ 73 | | | | | .1 | .3 | .2 | .2 | .1 | | .0 | .0 | | | | | | 54 | 54 | | |
| 72/ 71 | | | .0 | .0 | .1 | .3 | .3 | .2 | .1 | .1 | .0 | | | | | | | 73 | 73 | | |
| 70/ 69 | | | | .2 | .3 | .3 | .3 | .2 | .1 | .2 | .1 | | | | | | | 107 | 108 | 1 | |
| 68/ 67 | | | .1 | .2 | .4 | .5 | .4 | .3 | .1 | .2 | .0 | | | | | | | 136 | 136 | 8 | |
| 66/ 65 | | .1 | .4 | .6 | .6 | .3 | .3 | .3 | .3 | .2 | | | | | | | | 192 | 193 | 31 | 1 |
| 64/ 63 | | .3 | .4 | .7 | .4 | .4 | .6 | .3 | .3 | .1 | | | | | | | | 215 | 215 | 110 | 6 |
| 62/ 61 | | .9 | .5 | .8 | .5 | .6 | .5 | .4 | .3 | .0 | | | | | | | | 280 | 284 | 149 | 36 |
| 60/ 59 | .1 | 1.2 | 1.4 | .6 | .5 | .8 | .5 | .6 | .0 | | | | | | | | | 352 | 361 | 241 | 101 |
| 58/ 57 | .0 | 1.0 | .7 | .4 | .7 | .9 | .6 | .5 | .0 | | | | | | | | | 300 | 307 | 296 | 155 |
| 56/ 55 | | .7 | .5 | .4 | .9 | .9 | .8 | .0 | | | | | | | | | | 263 | 265 | 274 | 236 |
| 54/ 53 | .0 | .6 | .9 | .8 | .7 | .7 | .7 | .2 | | | | | | | | | | 258 | 261 | 220 | 233 |
| 52/ 51 | .1 | .7 | .7 | .7 | .9 | .8 | .3 | .0 | | | | | | | | | | 259 | 261 | 266 | 185 |
| 50/ 49 | .1 | .5 | 1.0 | .8 | 1.1 | .9 | .2 | | | | | | | | | | | 289 | 294 | 267 | 205 |
| 48/ 47 | .1 | .9 | .9 | 1.0 | 1.2 | .6 | .0 | | | | | | | | | | | 294 | 295 | 355 | 180 |
| 46/ 45 | .1 | 1.8 | 1.3 | 1.4 | 1.2 | .5 | | | | | | | | | | | | 397 | 399 | 383 | 199 |
| 44/ 43 | .1 | 2.0 | 2.2 | 1.5 | .8 | .3 | .0 | | | | | | | | | | | 437 | 444 | 424 | 252 |
| 42/ 41 | .2 | 2.1 | 2.3 | 1.2 | .6 | .1 | | | | | | | | | | | | 407 | 410 | 458 | 319 |
| 40/ 39 | .3 | 1.8 | 1.9 | 1.3 | .3 | | | | | | | | | | | | | 351 | 357 | 536 | 339 |
| 38/ 37 | .4 | 3.2 | 1.4 | 1.0 | .1 | | | | | | | | | | | | | 371 | 375 | 490 | 421 |
| 36/ 35 | .5 | 1.9 | 1.5 | .9 | .1 | | | | | | | | | | | | | 306 | 309 | 453 | 414 |
| 34/ 33 | .2 | 1.6 | 1.1 | .6 | .0 | | | | | | | | | | | | | 220 | 222 | 359 | 472 |
| 32/ 31 | .4 | 1.8 | 1.5 | .2 | | | | | | | | | | | | | | 241 | 253 | 288 | 447 |
| 30/ 29 | .1 | 1.0 | .8 | | | | | | | | | | | | | | | 118 | 125 | 268 | 425 |
| 28/ 27 | .1 | .7 | .2 | | | | | | | | | | | | | | | 67 | 75 | 165 | 327 |
| 26/ 25 | .1 | .5 | .1 | | | | | | | | | | | | | | | 52 | 58 | 91 | 308 |
| 24/ 23 | .1 | .4 | .0 | | | | | | | | | | | | | | | 31 | 33 | 56 | 211 |
| 22/ 21 | .1 | .3 | | | | | | | | | | | | | | | | 25 | 25 | 35 | 214 |
| 20/ 19 | .0 | .2 | .0 | | | | | | | | | | | | | | | 17 | 17 | 19 | 201 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | 1 | 11 | 91 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 32 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 92 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)



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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 32 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 7 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 4 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 3.1 | 26.0 | 21.7 | 15.1 | 11.8 | 9.3 | 6.2 | 3.5 | 1.7 | 1.3 | .4 | .0 | | | | | | 6254 | 6352 | 6254 | 6254 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 29828272 | 616066 | 66.8 | 18.53 | 6254 | | | | | | | |
| Dry Bulb | 15935364 | 308280 | 48.5 | 12.38 | 6352 | | 66.5 | 58.1 | 22.2 | 1.0 | | 720 |
| Wet Bulb | 12296910 | 269984 | 43.2 | 10.13 | 6254 | | 107.4 | 1.0 | | | | 720 |
| Dew Point | 9236179 | 230297 | 36.8 | 11.00 | 6254 | | 287.8 | | | | | 720 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

 0000-0230 (HOURS (L. S. T.))

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 76/ 75 | | | .2 | | | | | | | | | | | | | | | 2 | 2 | | |
| 74/ 73 | | | .1 | .1 | | | | | | | | | | | | | | 2 | 2 | | |
| 72/ 71 | | | .2 | .2 | .1 | | .1 | .2 | | | | | | | | | | 8 | 8 | 2 | |
| 70/ 69 | | | 1.7 | | .1 | .1 | .1 | | | | | | | | | | | 17 | 17 | 1 | 2 |
| 68/ 67 | | .6 | .9 | .9 | .5 | .4 | | .1 | | | | | | | | | | 27 | 27 | 9 | 1 |
| 66/ 65 | | 2.6 | 1.2 | .9 | 1.4 | .7 | .1 | .6 | | | | | | | | | | 61 | 61 | 22 | 20 |
| 64/ 63 | .4 | 2.1 | .1 | .6 | .7 | .4 | .1 | | | | | | | | | | | 36 | 36 | 34 | 21 |
| 62/ 61 | 1.1 | 2.8 | .5 | 1.2 | .9 | .6 | .2 | | | | | | | | | | | 60 | 60 | 49 | 34 |
| 60/ 59 | 1.0 | 3.2 | 1.4 | 1.4 | .9 | .7 | .2 | .1 | | | | | | | | | | 72 | 72 | 51 | 52 |
| 58/ 57 | .5 | 2.3 | .6 | .2 | .5 | .6 | .4 | | | | | | | | | | | 42 | 42 | 51 | 31 |
| 56/ 55 | .7 | 2.2 | 1.0 | .4 | .9 | .6 | .2 | | | | | | | | | | | 49 | 50 | 61 | 44 |
| 54/ 53 | .9 | 2.0 | 1.0 | 1.4 | .5 | .2 | | | | | | | | | | | | 48 | 48 | 48 | 45 |
| 52/ 51 | .2 | 2.8 | 1.7 | 1.0 | .4 | .4 | | | | | | | | | | | | 53 | 53 | 40 | 36 |
| 50/ 49 | | 1.8 | 2.3 | 2.0 | .9 | | | | | | | | | | | | | 57 | 57 | 50 | 49 |
| 48/ 47 | | 4.3 | 2.2 | 1.0 | .9 | | | | | | | | | | | | | 68 | 68 | 61 | 47 |
| 46/ 45 | .2 | 2.7 | 1.7 | 1.0 | .1 | | | | | | | | | | | | | 47 | 47 | 81 | 48 |
| 44/ 43 | | 3.8 | 1.4 | 1.5 | .2 | .1 | | | | | | | | | | | | 57 | 57 | 52 | 49 |
| 42/ 41 | .1 | 2.0 | 1.0 | .1 | .2 | | | | | | | | | | | | | 28 | 28 | 66 | 51 |
| 40/ 39 | .1 | 1.6 | 1.0 | .5 | | | | | | | | | | | | | | 26 | 26 | 39 | 74 |
| 38/ 37 | | 1.6 | 1.4 | .1 | | | | | | | | | | | | | | 25 | 25 | 27 | 48 |
| 36/ 35 | .4 | .8 | 1.1 | | | | | | | | | | | | | | | 17 | 17 | 32 | 37 |
| 34/ 33 | .2 | .2 | | .1 | | | | | | | | | | | | | | 5 | 5 | 25 | 32 |
| 32/ 31 | .1 | .5 | .1 | | | | | | | | | | | | | | | 6 | 6 | 7 | 46 |
| 30/ 29 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 3 | 16 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 2 | 18 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 1 | 6 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 2 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 2 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 2 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 6.0 | 39.6 | 23.0 | 14.5 | 9.1 | 4.9 | 1.6 | 1.1 | | | | | | | | | | 814 | 815 | 814 | 814 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5117595 | 63305 | 77.8 | 15.461 | 814 | | | | | | | |
| Dry Bulb | 2382411 | 43387 | 53.2 | 9.449 | 815 | | .8 | 6.4 | .5 | | | 93 |
| Wet Bulb | 2069242 | 40366 | 49.6 | 9.112 | 814 | | 1.9 | 1.4 | | | | 93 |
| Dew Point | 1811224 | 37426 | 46.0 | 10.537 | 814 | | 10.4 | .3 | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | |
| 74/ 73 | | | .4 | | | | | | | | | | | | | | | 3 | 3 | | |
| 7[illegible]/ 69 | | .1 | .6 | | .1 | .2 | | | | | | | | | | | | 9 | 9 | 3 | |
| 6[illegible]/ 67 | | .7 | 1.3 | .4 | .1 | | | | | | | | | | | | | 21 | 21 | 2 | 3 |
| [illegible]6/ 65 | | 1.7 | .4 | 1.0 | .5 | .1 | | | | | | | | | | | | 30 | 30 | 21 | 7 |
| [illegible]4/ 63 | .4 | 2.8 | .7 | 1.3 | .7 | .2 | .4 | | | | | | | | | | | 54 | 54 | 27 | 31 |
| [illegible]2/ 61 | .5 | 2.0 | | .7 | .5 | .4 | .2 | | | | | | | | | | | 35 | 35 | 34 | 24 |
| [illegible]0/ 59 | 1.0 | 3.9 | 1.5 | 1.5 | .5 | .6 | .4 | | | | | | | | | | | 76 | 76 | 51 | 41 |
| [illegible]8/ 57 | .7 | 3.4 | 1.5 | 1.7 | .1 | .6 | .1 | | | | | | | | | | | 67 | 67 | 54 | 37 |
| 56/ 55 | 1.6 | 3.1 | 1.3 | .6 | .7 | .6 | .1 | | | | | | | | | | | 66 | 67 | 60 | 56 |
| [illegible]4/ 53 | .9 | 1.5 | .9 | .9 | .2 | .2 | | | | | | | | | | | | 37 | 37 | 56 | 43 |
| [illegible]2/ 51 | .5 | 2.3 | 1.2 | 1.0 | .5 | .1 | | | | | | | | | | | | 46 | 46 | 54 | 43 |
| 5[illegible]/ 49 | .2 | 2.3 | 1.5 | 1.5 | .7 | | | | | | | | | | | | | 51 | 51 | 47 | 42 |
| 48/ 47 | .1 | 3.4 | 2.0 | .7 | .7 | | | | | | | | | | | | | 57 | 57 | 46 | 50 |
| 4[illegible]/ 45 | .1 | 4.2 | 2.0 | 1.1 | .4 | | | | | | | | | | | | | 63 | 63 | 70 | 42 |
| 44/ 43 | .1 | 3.5 | 1.6 | 1.2 | .1 | .1 | | | | | | | | | | | | 54 | 54 | 65 | 57 |
| [illegible]2/ 41 | .4 | 2.3 | 1.8 | .5 | | | | | | | | | | | | | | 41 | 42 | 55 | 54 |
| 4 / 39 | .9 | 1.6 | 1.2 | .5 | | | | | | | | | | | | | | 34 | 34 | 55 | 58 |
| 3[illegible]/ 37 | .1 | .9 | .2 | .1 | | | | | | | | | | | | | | 11 | 11 | 34 | 48 |
| [illegible]6/ 35 | .5 | 2.3 | 1.2 | | | | | | | | | | | | | | | 33 | 35 | 21 | 37 |
| 34/ 33 | .2 | 1.2 | .5 | .1 | | | | | | | | | | | | | | 17 | 17 | 32 | 38 |
| [illegible]2/ 31 | .5 | .5 | .1 | | | | | | | | | | | | | | | 9 | 9 | 20 | 56 |
| [illegible]/ 29 | .1 | | .1 | | | | | | | | | | | | | | | 2 | 2 | 6 | 22 |
| 26/ 27 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 2 | 10 |
| 2[illegible]/ 25 | | | | | | | | | | | | | | | | | | | | 2 | 9 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 3 |
| [illegible]2/ 21 | | | | | | | | | | | | | | | | | | | | | 2 |
| 2[illegible]/ 19 | | | | | | | | | | | | | | | | | | | | | 2 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 8.6 | 43.6 | 22.2 | 14.7 | 6.0 | 3.3 | 1.2 | | | | | | | | | | | 817 | 821 | 817 | 817 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5467827 | 65769 | 80.5 | 14.577 | 817 | | | | | | | |
| Dry Bulb | 2263621 | 42409 | 51.7 | 9.433 | 821 | | 1.4 | 3.7 | .3 | | | 93 |
| Wet Bulb | 2001024 | 39732 | 48.6 | 9.182 | 817 | | 3.4 | .6 | | | | 93 |
| Dew Point | 1780350 | 37178 | 45.5 | 10.417 | 817 | | 12.1 | .3 | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 74/ 73 | | | .5 | | | .1 | | | | | | | | | | | | 5 | 5 | | |
| 72/ 71 | | | .4 | .5 | | .1 | .1 | | | | | | | | | | | 9 | 9 | | |
| 70/ 69 | | .4 | .9 | .5 | .6 | .5 | .1 | | | | | | | | | | | 24 | 24 | 7 | |
| 68/ 67 | | 1.2 | 1.3 | .5 | .5 | | | | .1 | | | | | | | | | 30 | 30 | 7 | 9 |
| 66/ 65 | | 1.7 | .9 | 1.2 | .9 | .2 | .1 | .1 | | | | | | | | | | 42 | 42 | 20 | 12 |
| 64/ 63 | .4 | 2.8 | 1.2 | .7 | .9 | .7 | .5 | | | | | | | | | | | 59 | 59 | 41 | 30 |
| 62/ 61 | .7 | 1.8 | 1.0 | 1.2 | .7 | .2 | .4 | | .1 | | | | | | | | | 51 | 51 | 48 | 32 |
| 60/ 59 | .4 | 3.0 | 1.8 | 1.2 | .6 | 1.0 | .1 | | | | | | | | | | | 67 | 68 | 44 | 39 |
| 58/ 57 | 1.8 | 3.3 | 1.9 | .7 | 1.2 | .6 | .2 | | | | | | | | | | | 81 | 81 | 70 | 51 |
| 56/ 55 | .7 | 2.1 | 1.2 | .6 | 1.1 | .6 | .1 | | | | | | | | | | | 53 | 53 | 69 | 53 |
| 54/ 53 | .4 | 1.8 | 1.3 | 1.0 | .9 | .4 | | | | | | | | | | | | 47 | 47 | 49 | 49 |
| 52/ 51 | .5 | 1.8 | 1.3 | 1.2 | 1.0 | .1 | | | | | | | | | | | | 49 | 49 | 46 | 53 |
| 50/ 49 | | 3.9 | 2.7 | 1.2 | 1.0 | .1 | | | | | | | | | | | | 73 | 73 | 67 | 51 |
| 48/ 47 | | 2.4 | 1.1 | .5 | 1.0 | | | | | | | | | | | | | 41 | 41 | 62 | 47 |
| 46/ 45 | .1 | 3.0 | 2.2 | 1.1 | .4 | | | | | | | | | | | | | 56 | 56 | 63 | 46 |
| 44/ 43 | .1 | 1.2 | 1.6 | .6 | .4 | | | | | | | | | | | | | 32 | 32 | 56 | 48 |
| 42/ 41 | .1 | 1.9 | 1.9 | .7 | | | | | | | | | | | | | | 39 | 39 | 50 | 58 |
| 40/ 39 | .5 | 1.1 | .7 | .1 | | | | | | | | | | | | | | 20 | 20 | 46 | 48 |
| 38/ 37 | | 1.5 | .7 | .1 | | | | | | | | | | | | | | 19 | 20 | 26 | 51 |
| 36/ 35 | .1 | 1.5 | .2 | | | | | | | | | | | | | | | 15 | 15 | 25 | 34 |
| 34/ 33 | .1 | .4 | .1 | | | | | | | | | | | | | | | 5 | 5 | 16 | 40 |
| 32/ 31 | .1 | .4 | | | | | | | | | | | | | | | | 4 | 4 | 6 | 37 |
| 30/ 29 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 3 | 18 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 5 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 1 | 9 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 1 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 6.1 | 37.2 | 25.2 | 13.7 | 10.9 | 4.7 | 1.7 | .1 | .2 | | | | | | | | | | 824 | | 822 |
| | | | | | | | | | | | | | | | | | | 822 | | 822 | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5211983 | 64249 | 78.2 | 15.219 | 822 | | | | | | | |
| Dry Bulb | 2479191 | 44568 | 54.1 | 9.153 | 824 | | .6 | 7.7 | .6 | | | 93 |
| Wet Bulb | 2155299 | 41461 | 50.4 | 8.832 | 822 | | 1.1 | 1.6 | | | | 93 |
| Dew Point | 1899185 | 38613 | 47.0 | 10.188 | 822 | | 8.0 | 1.0 | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 82/ 81 | | | | | .1 | | | .1 | .1 | .1 | | | | | | | | | 4 | 4 | | |
| [illegible]/ 79 | | | | | .2 | .2 | .7 | .5 | .2 | .1 | | | | | | | | | 17 | 17 | | |
| 78/ 77 | | | | .5 | .2 | .6 | .6 | .5 | .2 | .1 | | | | | | | | | 23 | 23 | | |
| 76/ 75 | | | .1 | .5 | .7 | .7 | .4 | .6 | .4 | .2 | | | | | | | | | 30 | 30 | | |
| 74/ 73 | | | .1 | .4 | .7 | .9 | .6 | .2 | .4 | | | | | | | | | | 27 | 27 | 2 | |
| 72/ 71 | | .1 | 1.0 | 1.2 | 1.2 | .9 | .5 | .4 | .4 | .2 | | | | | | | | | 48 | 48 | 7 | 1 |
| 70/ 69 | | .5 | 1.2 | 1.1 | 1.1 | 1.0 | .5 | .2 | .6 | .5 | | | | | | | | | 55 | 55 | 17 | 6 |
| 68/ 67 | | 1.0 | 1.2 | .5 | 1.0 | 1.1 | .2 | .7 | .2 | .4 | | | | | | | | | 52 | 52 | 36 | 13 |
| 66/ 65 | | 1.3 | .9 | 1.7 | 1.1 | 1.2 | .9 | .9 | .1 | .1 | | | | | | | | | 67 | 67 | 54 | 22 |
| 64/ 63 | .1 | 1.6 | .7 | 1.1 | .9 | .9 | 1.1 | .5 | .2 | | | | | | | | | | 58 | 58 | 60 | 43 |
| 62/ 61 | .1 | 1.2 | 1.1 | 1.2 | 1.0 | 1.8 | .7 | .5 | | | | | | | | | | | 63 | 63 | 51 | 38 |
| 60/ 59 | .2 | 1.8 | .9 | .6 | 1.1 | 1.6 | .9 | .2 | | | | | | | | | | | 60 | 60 | 62 | 59 |
| 58/ 57 | .5 | 1.7 | 1.2 | .7 | 1.1 | 1.2 | .5 | .1 | | | | | | | | | | | 58 | 58 | 65 | 37 |
| 56/ 55 | .4 | .6 | .5 | .9 | 1.5 | 1.7 | .5 | | | | | | | | | | | | 49 | 49 | 58 | 63 |
| 54/ 53 | | 1.0 | 1.1 | 1.3 | .2 | .9 | .2 | | | | | | | | | | | | 39 | 39 | 54 | 46 |
| 52/ 51 | | 1.5 | 1.0 | .6 | 1.0 | .6 | .1 | | | | | | | | | | | | 39 | 41 | 62 | 46 |
| 50/ 49 | | 1.5 | 1.3 | .6 | 1.6 | .5 | | | | | | | | | | | | | 45 | 45 | 74 | 34 |
| 48/ 47 | | .4 | .5 | .6 | 1.6 | | | | | | | | | | | | | | 25 | 25 | 54 | 49 |
| 46/ 45 | .1 | .5 | .7 | 1.3 | .4 | | | | | | | | | | | | | | 25 | 26 | 41 | 45 |
| 44/ 43 | | .6 | .7 | .1 | | .1 | | | | | | | | | | | | | 13 | 13 | 29 | 49 |
| 42/ 41 | | | .4 | .1 | | | | | | | | | | | | | | | 4 | 4 | 40 | 50 |
| 40/ 39 | .2 | .6 | .2 | .2 | .1 | | | | | | | | | | | | | | 12 | 12 | 32 | 41 |
| 38/ 37 | | .2 | | .1 | | | | | | | | | | | | | | | 3 | 3 | 9 | 35 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 5 | 32 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 3 | 32 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 1 | 50 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | 12 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | 7 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | 3 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | 2 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 1.7 | 16.2 | 15.0 | 15.6 | 16.9 | 15.9 | 8.5 | 5.5 | 2.9 | 1.8 | | | | | | | | | | 819 | | 816 |
| | | | | | | | | | | | | | | | | | | | 816 | | 816 | |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3719529 | 53051 | 65.0 | 18.192 | 816 | | | | | | | |
| Dry Bulb | 3146735 | 50157 | 61.2 | 9.577 | 819 | | | 29.1 | 11.5 | 1.5 | | 93 |
| Wet Bulb | 2477566 | 44410 | 54.4 | 8.621 | 816 | | .1 | 7.1 | .2 | | | 93 |
| Dew Point | 2006822 | 39492 | 48.4 | 10.826 | 816 | | 8.5 | 2.3 | | | | 93 |

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | |
| ≥ 84/ 83 | | | | | | | .2 | .6 | .5 | .7 | .5 | .1 | | | | | | 22 | 22 | | |
| 82/ 81 | | | | | | .1 | .6 | .5 | 1.1 | 1.0 | .1 | .2 | | | | | | 30 | 30 | | |
| 80/ 79 | | | | | .5 | .7 | .9 | .6 | .7 | .5 | .2 | .2 | | | | | | 36 | 36 | | |
| 78/ 77 | | | | .1 | .1 | .4 | .6 | .9 | .2 | | .1 | .2 | | | | | | 22 | 22 | | |
| 76/ 75 | | | | .5 | .7 | 1.5 | .6 | .7 | .5 | .1 | .2 | .1 | | | | | | 41 | 41 | | |
| 74/ 73 | | | .5 | .9 | 1.3 | 1.0 | 1.1 | .5 | .7 | .9 | .1 | | | | | | | 57 | 57 | 2 | |
| 72/ 71 | | .1 | .6 | 1.1 | .6 | 1.2 | 1.0 | .7 | 1.0 | .7 | | | | | | | | 58 | 58 | 12 | |
| 70/ 69 | | | 1.6 | .4 | .7 | .4 | .6 | 1.0 | 1.3 | .6 | | | | | | | | 54 | 54 | 32 | 5 |
| 68/ 67 | | .5 | .4 | 1.0 | 1.0 | .5 | 1.8 | .5 | .8 | .4 | | | | | | | | 54 | 54 | 43 | 18 |
| 66/ 65 | | 1.2 | 2.0 | 1.1 | .7 | 1.1 | 1.1 | 1.1 | .9 | .1 | | | | | | | | 76 | 76 | 76 | 23 |
| 64/ 63 | | 1.0 | .6 | 1.0 | .9 | 1.5 | 2.1 | 1.2 | .4 | | | | | | | | | 70 | 70 | 57 | 33 |
| 62/ 61 | | 1.0 | .5 | .2 | .7 | 2.0 | .9 | .5 | | | | | | | | | | 47 | 47 | 70 | 46 |
| 60/ 59 | .2 | 1.1 | | 1.1 | .5 | 1.2 | .6 | .5 | .1 | | | | | | | | | 44 | 44 | 51 | 59 |
| 58/ 57 | .1 | 1.2 | .7 | .2 | 1.5 | 1.0 | 1.2 | .2 | | | | | | | | | | 51 | 51 | 51 | 61 |
| 56/ 55 | | .2 | .9 | .1 | 1.1 | .5 | .4 | | | | | | | | | | | 26 | 26 | 70 | 53 |
| 54/ 53 | | .4 | .9 | .2 | .2 | 1.0 | .6 | | | | | | | | | | | 27 | 27 | 80 | 38 |
| 52/ 51 | | .9 | .7 | .4 | .1 | 2.2 | .1 | | | | | | | | | | | 36 | 36 | 58 | 31 |
| 50/ 49 | | .7 | .5 | .2 | 1.0 | .4 | .1 | | | | | | | | | | | 24 | 24 | 64 | 35 |
| 48/ 47 | | .5 | .2 | .5 | .6 | | | | | | | | | | | | | 15 | 16 | 35 | 62 |
| 46/ 45 | | .4 | .1 | .2 | | .2 | | | | | | | | | | | | 8 | 8 | 31 | 40 |
| 44/ 43 | | .5 | .6 | .2 | | | | | | | | | | | | | | 11 | 11 | 28 | 46 |
| 42/ 41 | | .2 | .2 | .6 | | | | | | | | | | | | | | 9 | 9 | 35 | 55 |
| 40/ 39 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 12 | 48 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 8 | 35 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 4 | 22 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 28 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 44 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 19 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 11 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 4 |
| 24/ 21 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | .4 | 9.9 | 11.1 | 10.1 | 12.5 | 17.2 | 19.4 | 10.1 | 7.9 | 4.2 | 1.5 | .1 | | | | | | | 820 | | 819 |
| | | | | | | | | | | | | | | | | | | 819 | | 819 | |

| Element (X) | $\Sigma_X'$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2981171 | 47021 | 57.4 | 18.530 | 819 | | | | | | | |
| Dry Bulb | 3569377 | 53485 | 65.2 | 9.932 | 820 | | | 42.4 | 23.6 | 8.2 | | 93 |
| Wet Bulb | 2641310 | 46000 | 56.2 | 8.397 | 819 | | | 10.1 | .2 | | | 93 |
| Dew Point | 2023668 | 39716 | 48.5 | 10.929 | 819 | | 9.2 | 2.8 | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | MAY MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 86/ 85 | | | | | | | | | .1 | | .6 | .2 | | | | | | 8 | 8 | | |
| 84/ 83 | | | | | | .1 | .4 | 1.2 | .5 | .7 | .4 | .1 | | | | | | 28 | 28 | | |
| 82/ 81 | | | | | | .4 | .4 | 1.0 | .9 | 1.0 | .6 | | | | | | | 34 | 34 | | |
| 8 / 79 | | | | | | .5 | .4 | 1.2 | .4 | .2 | | .6 | | | | | | 27 | 27 | | |
| 78/ 77 | | | | .1 | .4 | 1.1 | .7 | .6 | .5 | .4 | .2 | .5 | | | | | | 37 | 37 | | |
| 76/ 75 | | | .1 | .4 | 1.2 | 1.1 | .9 | .5 | 1.2 | .6 | .2 | .5 | | | | | | 55 | 55 | | |
| 74/ 73 | | | .4 | 1.2 | .9 | .9 | 1.2 | .4 | .7 | .9 | .4 | | | | | | | 56 | 56 | 1 | |
| 72/ 71 | | | .2 | .6 | .7 | .6 | 1.1 | .6 | 1.2 | .4 | | | | | | | | 45 | 45 | 13 | |
| 70/ 69 | | .2 | 1.2 | .4 | .5 | 1.3 | .6 | 1.6 | 1.0 | .6 | .4 | | | | | | | 64 | 64 | 32 | 2 |
| 68/ 67 | | | 1.5 | .6 | .6 | .5 | .6 | 1.5 | .9 | .2 | | | | | | | | 52 | 52 | 55 | 11 |
| 66/ 65 | | 1.1 | 1.8 | 1.1 | .5 | 1.0 | 1.2 | 1.0 | .9 | .1 | | | | | | | | 71 | 71 | 67 | 31 |
| 64/ 63 | | .4 | 1.2 | .9 | .4 | 1.2 | 1.7 | 1.0 | .4 | | | | | | | | | 58 | 58 | 61 | 40 |
| 62/ 61 | .2 | .7 | .6 | .4 | .2 | .9 | .5 | .9 | .2 | | | | | | | | | 38 | 38 | 58 | 46 |
| 60/ 59 | .7 | 1.0 | .7 | .5 | 1.0 | 2.2 | .4 | 1.2 | .1 | | | | | | | | | 64 | 64 | 70 | 52 |
| 58/ 57 | | .6 | .5 | .6 | 1.2 | 1.3 | 1.1 | .1 | | | | | | | | | | 45 | 45 | 56 | 50 |
| 56/ 55 | | .7 | .4 | .5 | .4 | .9 | .7 | .2 | | | | | | | | | | 31 | 31 | 69 | 52 |
| 54/ 53 | | .6 | 1.1 | .4 | .4 | 1.0 | 1.1 | | | | | | | | | | | 37 | 37 | 70 | 44 |
| 52/ 51 | | .2 | .2 | .5 | .2 | .6 | .1 | | | | | | | | | | | 16 | 16 | 72 | 39 |
| 50/ 49 | | .6 | 1.2 | .5 | .4 | .5 | | | | | | | | | | | | 26 | 26 | 49 | 41 |
| 48/ 47 | | | | .6 | | | | | | | | | | | | | | 5 | 5 | 40 | 42 |
| 46/ 45 | | .4 | | .7 | .1 | | | | | | | | | | | | | 10 | 10 | 40 | 36 |
| 44/ 43 | | .4 | .1 | .2 | .1 | | | | | | | | | | | | | 7 | 7 | 25 | 67 |
| 42/ 41 | | .1 | .1 | .6 | | | | | | | | | | | | | | 7 | 7 | 24 | 43 |
| 40/ 39 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 11 | 60 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 5 | 23 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 4 | 37 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 28 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 38 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 21 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 10 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 7 |
| 24/ 21 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 1.0 | 7.1 | 11.6 | 10.7 | 9.1 | 15.9 | 13.0 | 12.9 | 8.9 | 5.1 | 2.8 | 1.9 | | | | | | 822 | 822 | 822 | 822 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 8 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 88 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 2826404 | 45560 | 55.4 | 19.154 | 822 | | | | | | | |
| Dry Bulb | 3685866 | 54434 | 66.2 | 9.943 | 822 | | | 45.9 | 27.7 | 9.3 | | 93 |
| Wet Bulb | 2674845 | 46407 | 56.5 | 8.176 | 822 | | | 11.4 | .1 | | | 93 |
| Dew Point | 2010959 | 39661 | 48.3 | 10.867 | 822 | | 8.8 | 1.5 | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 82/ 81 | | | | | | .2 | .4 | .2 | | .4 | | | | | | | | 10 | 10 | | |
| 80/ 79 | | | | | .2 | .1 | .4 | | .6 | .1 | | | | | | | | 12 | 12 | | |
| 78/ 77 | | | | | .2 | .5 | .5 | 1.1 | .4 | | .2 | .1 | | | | | | 25 | 25 | | |
| 76/ 75 | | | | .4 | .6 | .9 | 1.0 | .6 | .1 | .6 | | | | | | | | 34 | 34 | | |
| 74/ 73 | | | .1 | .5 | .9 | .7 | .7 | 1.1 | .4 | .4 | .2 | | | | | | | 41 | 41 | 1 | |
| 72/ 71 | | | .7 | .6 | .9 | .7 | .2 | .7 | .5 | .1 | .1 | | | | | | | 38 | 38 | 5 | |
| 70/ 69 | | .5 | .7 | 1.1 | .4 | 1.2 | .5 | .7 | .9 | .4 | | | | | | | | 52 | 52 | 17 | 1 |
| 68/ 67 | | 1.0 | .6 | .5 | .7 | .9 | 1.0 | .5 | .5 | .1 | | | | | | | | 47 | 47 | 29 | 15 |
| 66/ 65 | .1 | 1.6 | 1.4 | 1.0 | .6 | 1.0 | .7 | .6 | 1.2 | | | | | | | | | 67 | 67 | 47 | 19 |
| 64/ 63 | .7 | 2.0 | 1.5 | .2 | .4 | 1.2 | 1.0 | .2 | .1 | | | | | | | | | 60 | 61 | 64 | 40 |
| 62/ 61 | .1 | 1.8 | 1.0 | .4 | .5 | 1.0 | .6 | .5 | | | | | | | | | | 48 | 48 | 55 | 32 |
| 60/ 59 | .2 | 1.7 | 1.6 | 1.1 | .9 | 1.6 | 1.1 | 1.0 | | | | | | | | | | 75 | 75 | 68 | 50 |
| 58/ 57 | | .9 | 1.0 | .7 | 1.4 | 1.2 | .5 | .5 | | | | | | | | | | 50 | 50 | 61 | 55 |
| 56/ 55 | .2 | 1.5 | .7 | 1.0 | 1.2 | 1.4 | .9 | | | | | | | | | | | 56 | 56 | 55 | 41 |
| 54/ 53 | .1 | .6 | .9 | 1.4 | .7 | .7 | .5 | .2 | | | | | | | | | | 42 | 42 | 67 | 55 |
| 52/ 51 | | .5 | .5 | .7 | .9 | .9 | .2 | | | | | | | | | | | 30 | 30 | 51 | 41 |
| 50/ 49 | .2 | 1.1 | 1.5 | 1.1 | .6 | .6 | | | | | | | | | | | | 42 | 42 | 57 | 39 |
| 48/ 47 | | 1.6 | .7 | .6 | .5 | .6 | | | | | | | | | | | | 33 | 33 | 64 | 38 |
| 46/ 45 | | .6 | .5 | .7 | .2 | | | | | | | | | | | | | 17 | 17 | 56 | 47 |
| 44/ 43 | | .2 | .6 | .6 | .1 | | | | | | | | | | | | | 13 | 13 | 36 | 49 |
| 42/ 41 | | .4 | .2 | .4 | | | | | | | | | | | | | | 8 | 8 | 30 | 55 |
| 40/ 39 | | .4 | .4 | .1 | | | | | | | | | | | | | | 7 | 7 | 22 | 50 |
| 38/ 37 | | .1 | .1 | | | | | | | | | | | | | | | 2 | 2 | 15 | 39 |
| 36/ 35 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 7 | 34 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 4 | 28 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 30 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 28 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 8 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 10 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 1 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 5 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 1.8 | 16.8 | 14.8 | 13.2 | 12.0 | 15.9 | 10.2 | 8.1 | 4.7 | 2.1 | .6 | .1 | | | | | | 811 | 812 | 811 | 811 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3543270 | 51166 | 63.1 | 19.727 | 811 | | | | | | | |
| Dry Bulb | 3154566 | 49998 | 61.6 | 9.680 | 812 | | | 29.7 | 14.0 | 1.6 | | 93 |
| Wet Bulb | 2439516 | 43946 | 54.2 | 8.476 | 811 | | | 6.0 | .1 | | | 93 |
| Dew Point | 1933830 | 38588 | 47.6 | 10.987 | 811 | | 9.5 | 1.8 | | | | 93 |

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | |
| 78/ 77 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | |
| 76/ 75 | | | .1 | .2 | .1 | | | .2 | | | | | | | | | | 6 | 6 | | |
| 74/ 73 | | | .2 | .2 | .4 | .1 | .1 | | | | | | | | | | | 9 | 9 | | |
| 72/ 71 | | | .5 | .7 | .2 | .2 | .2 | .1 | | | | | | | | | | 17 | 17 | 2 | |
| 70/ 69 | | | .6 | 1.2 | .9 | .9 | .4 | .2 | | | | | | | | | | 34 | 34 | 5 | 1 |
| 68/ 67 | | 1.0 | 1.7 | .6 | .9 | 1.2 | .5 | .4 | | | | | | | | | | 51 | 51 | 10 | 5 |
| 66/ 65 | .4 | 2.1 | .9 | .6 | 1.5 | 1.2 | .1 | .2 | .1 | | | | | | | | | 58 | 58 | 31 | 17 |
| 64/ 63 | .7 | 1.8 | .2 | .4 | 1.0 | .6 | .7 | .2 | | | | | | | | | | 47 | 47 | 55 | 32 |
| 62/ 61 | .7 | 3.9 | .7 | .9 | .6 | .2 | .7 | | | | | | | | | | | 64 | 64 | 41 | 46 |
| 60/ 59 | .7 | 2.5 | .7 | .9 | .6 | 1.2 | .1 | .4 | | | | | | | | | | 58 | 59 | 70 | 61 |
| 58/ 57 | .4 | 3.0 | 1.2 | .7 | .6 | .5 | 1.1 | | | | | | | | | | | 61 | 61 | 49 | 34 |
| 56/ 55 | .5 | 1.1 | .9 | 1.5 | 1.7 | .6 | .7 | | | | | | | | | | | 57 | 57 | 65 | 46 |
| 54/ 53 | .5 | 2.5 | .9 | 1.5 | .9 | .6 | .1 | | | | | | | | | | | 56 | 56 | 44 | 39 |
| 52/ 51 | .4 | 1.6 | 1.1 | 1.4 | .5 | .4 | | | | | | | | | | | | 43 | 44 | 56 | 49 |
| 50/ 49 | .1 | 2.0 | 3.1 | 1.0 | .7 | .4 | | | | | | | | | | | | 59 | 59 | 56 | 51 |
| 48/ 47 | | 2.2 | 1.6 | .9 | 1.4 | | | | | | | | | | | | | 49 | 49 | 61 | 47 |
| 46/ 45 | | 2.7 | 1.8 | .4 | .4 | .2 | | | | | | | | | | | | 45 | 45 | 75 | 41 |
| 44/ 43 | | 2.2 | .6 | 1.0 | .5 | .2 | | | | | | | | | | | | 37 | 37 | 56 | 42 |
| 42/ 41 | | 1.2 | 1.2 | .7 | | | | | | | | | | | | | | 26 | 26 | 44 | 61 |
| 40/ 39 | | .5 | .9 | .2 | | | | | | | | | | | | | | 13 | 13 | 31 | 74 |
| 38/ 37 | | .5 | .5 | .2 | | | | | | | | | | | | | | 10 | 10 | 25 | 35 |
| 36/ 35 | | .5 | .4 | | | | | | | | | | | | | | | 7 | 7 | 21 | 28 |
| 34/ 33 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 10 | 29 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 4 | 40 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 18 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 14 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 5 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 1 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 4 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 4.4 | 31.7 | 20.0 | 15.3 | 12.9 | 8.8 | 4.9 | 1.8 | .1 | | | | | | | | | 811 | 813 | 811 | 811 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4611257 | 59563 | 73.4 | 17.095 | 811 | | | | | | | |
| Dry Bulb | 2627582 | 45618 | 56.1 | 9.146 | 813 | | | 13.5 | 1.8 | | | 93 |
| Wet Bulb | 2210212 | 41740 | 51.5 | 8.746 | 811 | | .5 | 1.9 | | | | 93 |
| Dew Point | 1885115 | 38151 | 47.0 | 10.565 | 811 | | 9.5 | .7 | | | | 93 |

FORM AA 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 86/ 85 | | | | | | | | | .0 | | .1 | .0 | | | | | | 8 | 8 | | |
| 84/ 83 | | | | | | .0 | .1 | .2 | .1 | .2 | .1 | .0 | | | | | | 50 | 50 | | |
| 82/ 81 | | | | | .0 | .2 | .2 | .3 | .2 | .2 | .1 | | | | | | | 78 | 78 | | |
| 80/ 79 | | | | | .1 | .2 | .3 | .3 | .2 | .1 | .0 | .1 | | | | | | 92 | 92 | | |
| 78/ 77 | | | | .1 | .1 | .3 | .3 | .4 | .2 | .1 | .1 | .1 | | | | | | 108 | 108 | | |
| 76/ 75 | | | .1 | .2 | .4 | .5 | .4 | .3 | .3 | .2 | .1 | .1 | | | | | | 168 | 168 | | |
| 74/ 73 | | | .3 | .4 | .5 | .5 | .5 | .3 | .3 | .3 | .1 | | | | | | | 200 | 200 | 6 | |
| 72/ 71 | | .0 | .5 | .6 | .5 | .5 | .4 | .4 | .4 | .2 | .0 | | | | | | | 223 | 223 | 41 | 1 |
| 70/ 69 | | .2 | 1.1 | .6 | .6 | .7 | .4 | .5 | .5 | .3 | .0 | | | | | | | 309 | 309 | 114 | 17 |
| 68/ 67 | | .8 | 1.1 | .6 | .7 | .6 | .5 | .5 | .3 | .1 | | | | | | | | 334 | 334 | 191 | 75 |
| 66/ 65 | .1 | 1.7 | 1.2 | 1.1 | .9 | .8 | .5 | .6 | .4 | .0 | | | | | | | | 472 | 472 | 338 | 151 |
| 64/ 63 | .3 | 1.8 | .8 | .8 | .7 | .8 | .9 | .4 | .1 | | | | | | | | | 442 | 443 | 399 | 270 |
| 62/ 61 | .4 | 1.9 | .7 | .8 | .6 | .9 | .5 | .3 | .0 | | | | | | | | | 406 | 406 | 406 | 298 |
| 60/ 59 | .6 | 2.3 | 1.1 | 1.0 | .8 | 1.3 | .5 | .4 | .0 | | | | | | | | | 516 | 518 | 467 | 403 |
| 58/ 57 | .5 | 2.1 | 1.1 | .7 | .9 | .9 | .6 | .1 | | | | | | | | | | 455 | 455 | 457 | 356 |
| 56/ 55 | .5 | 1.4 | .9 | .7 | 1.1 | .9 | .5 | .0 | | | | | | | | | | 387 | 389 | 507 | 408 |
| 54/ 53 | .3 | 1.3 | 1.0 | 1.0 | .5 | .6 | .3 | .0 | | | | | | | | | | 333 | 333 | 468 | 359 |
| 52/ 51 | .2 | 1.5 | 1.0 | .8 | .6 | .7 | .1 | | | | | | | | | | | 312 | 315 | 439 | 338 |
| 50/ 49 | .1 | 1.7 | 1.8 | 1.0 | .9 | .3 | .0 | | | | | | | | | | | 377 | 377 | 464 | 342 |
| 48/ 47 | .0 | 1.9 | 1.0 | .7 | .8 | .1 | | | | | | | | | | | | 293 | 294 | 423 | 382 |
| 46/ 45 | .1 | 1.8 | 1.1 | .8 | .2 | .1 | | | | | | | | | | | | 271 | 272 | 457 | 345 |
| 44/ 43 | .0 | 1.6 | .9 | .7 | .2 | .1 | | | | | | | | | | | | 224 | 224 | 347 | 407 |
| 42/ 41 | .1 | 1.0 | .9 | .5 | .0 | | | | | | | | | | | | | 162 | 163 | 344 | 427 |
| 40/ 39 | .2 | .7 | .6 | .2 | .0 | | | | | | | | | | | | | 114 | 114 | 248 | 453 |
| 38/ 37 | .0 | .6 | .4 | .1 | | | | | | | | | | | | | | 70 | 71 | 149 | 314 |
| 36/ 35 | .1 | .6 | .4 | | | | | | | | | | | | | | | 74 | 76 | 119 | 261 |
| 34/ 33 | .1 | .3 | .1 | .0 | | | | | | | | | | | | | | 30 | 30 | 90 | 255 |
| 32/ 31 | .1 | .2 | .0 | | | | | | | | | | | | | | | 19 | 19 | 38 | 341 |
| 30/ 29 | .0 | | .0 | | | | | | | | | | | | | | | 4 | 4 | 12 | 154 |
| 28/ 27 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 4 | 83 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 4 | 53 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 7 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 21 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 5 |

| Element (X) | $\Sigma_X'$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_n$ | 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 AM 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | MAY MONTH



ALL HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 19/ 17 | | | | | | | | | | | | | | | | | | | | | 5 |
| 1o/ 15 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 3.8 | 25.3 | 17.8 | 13.5 | 11.2 | 10.8 | 7.0 | 5.0 | 3.1 | 1.7 | .6 | .4 | | | | | | 6532 | 6546 | 6532 | 6532 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 33479036 | 449696 | 68.8 | 19.642 | 6532 | | | | | | | |
| Dry Bulb | 23309351 | 384053 | 58.7 | 10.896 | 6546 | | 2.7 | 178.4 | 80.0 | 20.6 | | 744 |
| Wet Bulb | 18669016 | 344062 | 52.7 | 9.145 | 6532 | | 6.6 | 40.1 | .7 | | | 744 |
| Dew Point | 15351153 | 308833 | 47.3 | 10.713 | 6532 | | 76.3 | 10.6 | | | | 744 |

USAFETAC FORM 0-26-5 (OL A) 74 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 81 / 79 | | | .1 | .3 | | | | | | | | | | | | | | 3 | 3 | | |
| 78 / 77 | | .1 | .3 | | | | | | | | | | | | | | | 3 | 3 | | |
| 76 / 75 | | | .4 | .8 | .5 | .1 | | | | | | | | | | | | 14 | 14 | 3 | 1 |
| 74 / 73 | | .9 | 1.0 | 1.9 | .1 | | | | | | | | | | | | | 31 | 31 | 3 | 2 |
| 72 / 71 | | 1.7 | 2.3 | 1.7 | .3 | .1 | | .1 | | | | | | | | | | 48 | 48 | 23 | 9 |
| 70 / 69 | | 3.7 | 3.3 | 1.3 | .4 | .4 | | .1 | | | | | | | | | | 72 | 72 | 32 | 29 |
| 68 / 67 | .1 | 4.9 | 1.7 | 2.1 | 1.5 | .1 | | | | | | | | | | | | 81 | 83 | 87 | 40 |
| 66 / 65 | 1.4 | 2.8 | 2.6 | 1.5 | .6 | | .1 | | | | | | | | | | | 71 | 74 | 69 | 88 |
| 64 / 63 | .4 | 3.1 | 2.3 | 1.8 | .9 | | | | | | | | | | | | | 66 | 67 | 52 | 56 |
| 62 / 61 | .5 | 2.9 | 1.4 | 3.5 | 1.4 | .1 | | | | | | | | | | | | 77 | 77 | 63 | 41 |
| 60 / 59 | .9 | 2.9 | 2.8 | 1.8 | .3 | | | | | | | | | | | | | 68 | 70 | 74 | 60 |
| 58 / 57 | 1.4 | 2.3 | 2.3 | 1.9 | .2 | | | | | | | | | | | | | 63 | 63 | 72 | 74 |
| 56 / 55 | .1 | 1.8 | 1.8 | 1.2 | | | | | | | | | | | | | | 38 | 38 | 85 | 52 |
| 54 / 53 | .3 | 1.4 | 2.4 | .9 | | .1 | | | | | | | | | | | | 40 | 40 | 45 | 57 |
| 52 / 51 | .5 | 1.7 | 1.2 | .5 | .5 | | | | | | | | | | | | | 34 | 34 | 47 | 65 |
| 50 / 49 | .5 | 2.3 | 1.0 | .4 | | | | | | | | | | | | | | 33 | 33 | 48 | 60 |
| 48 / 47 | | 1.0 | .4 | .5 | | | | | | | | | | | | | | 15 | 15 | 27 | 43 |
| 46 / 45 | | .6 | .6 | | | | | | | | | | | | | | | 10 | 10 | 19 | 34 |
| 44 / 43 | | .3 | | | | | | | | | | | | | | | | 2 | 2 | 12 | 22 |
| 42 / 41 | | .6 | .3 | | | | | | | | | | | | | | | 7 | 7 | 9 | 15 |
| 40 / 39 | | .5 | | | | | | | | | | | | | | | | 4 | 4 | 7 | 9 |
| 38 / 37 | | | | | | | | | | | | | | | | | | | | 3 | 13 |
| 36 / 35 | | | | | | | | | | | | | | | | | | | | | 9 |
| 34 / 33 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 6.2 | 35.6 | 28.2 | 21.9 | 6.7 | 1.0 | .1 | .3 | | | | | | | | | | 780 | 788 | 780 | 780 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5347929 | 63996 | 82.0 | 11.176 | 780 | | | | | | | |
| Dry Bulb | 3074919 | 48849 | 62.0 | 7.709 | 788 | | | 29.0 | 5.8 | | | 90 |
| Wet Bulb | 2729190 | 48756 | 58.7 | 7.607 | 780 | | | 17.1 | .7 | | | 90 |
| Dew Point | 2523097 | 43875 | 56.3 | 8.412 | 780 | | | 9.3 | .3 | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 78/ 77 | | | .3 | .1 | | | | | | | | | | | | | | 3 | 3 | | |
| 76/ 75 | | .3 | | .5 | .1 | .1 | | | | | | | | | | | | 8 | 8 | 1 | |
| 74/ 73 | | .5 | .9 | 1.0 | | | | | | | | | | | | | | 19 | 19 | 4 | 4 |
| 72/ 71 | | 1.1 | 2.5 | .3 | | | .1 | .1 | | | | | | | | | | 33 | 33 | 17 | 4 |
| 70/ 69 | .1 | 3.3 | 4.6 | .6 | .4 | | | | | | | | | | | | | 71 | 71 | 21 | 19 |
| 68/ 67 | | 4.2 | 1.6 | 1.4 | .9 | .3 | .1 | | | | | | | | | | | 67 | 69 | 58 | 32 |
| 66/ 65 | .5 | 4.9 | 1.3 | 1.5 | .3 | | | | | | | | | | | | | 67 | 67 | 78 | 72 |
| 64/ 63 | 1.0 | 4.3 | 1.9 | 1.1 | .1 | | | | | | | | | | | | | 67 | 69 | 67 | 78 |
| 62/ 61 | 1.1 | 2.7 | 2.1 | 1.4 | .5 | | | | | | | | | | | | | 62 | 63 | 59 | 54 |
| 60/ 59 | 1.1 | 2.9 | 2.9 | 1.5 | .1 | | | | | | | | | | | | | 68 | 70 | 67 | 42 |
| 58/ 57 | 1.0 | 4.4 | 3.2 | .8 | | | | | | | | | | | | | | 74 | 74 | 61 | 69 |
| 56/ 55 | .6 | 2.8 | 2.0 | .8 | .1 | | | | | | | | | | | | | 50 | 50 | 90 | 57 |
| 54/ 53 | .4 | 2.5 | 2.1 | .9 | .1 | | | | | | | | | | | | | 48 | 48 | 63 | 63 |
| 52/ 51 | .5 | 1.9 | 1.9 | .5 | .5 | | | | | | | | | | | | | 42 | 42 | 52 | 67 |
| 50/ 49 | 1.3 | 2.8 | 2.3 | .1 | | | | | | | | | | | | | | 51 | 51 | 47 | 58 |
| 48/ 47 | | 1.5 | .4 | .3 | | | | | | | | | | | | | | 17 | 17 | 42 | 48 |
| 46/ 45 | .5 | 1.0 | .4 | .1 | | | | | | | | | | | | | | 16 | 16 | 35 | 31 |
| 44/ 43 | | .9 | .5 | | | | | | | | | | | | | | | 11 | 11 | 14 | 34 |
| 42/ 41 | | .9 | .1 | | | | | | | | | | | | | | | 8 | 8 | 17 | 26 |
| 40/ 39 | .4 | .6 | | | | | | | | | | | | | | | | 8 | 8 | 7 | 10 |
| 38/ 37 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 5 | 10 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 1 | 9 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | 8.6 | 43.6 | 31.0 | 12.9 | 3.2 | .4 | .3 | .1 | | | | | | | | | | | 798 | | 791 |
| | | | | | | | | | | | | | | | | | | 791 | | 791 | |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5798870 | 67234 | 85.0 | 10.316 | 791 | | | | | | | |
| Dry Bulb | 2934972 | 47970 | 60.1 | 8.028 | 798 | | | 22.9 | 3.4 | | | 90 |
| Wet Bulb | 2656361 | 45417 | 57.4 | 7.847 | 791 | | | 11.5 | .6 | | | 90 |
| Dew Point | 2487729 | 43855 | 55.4 | 8.442 | 791 | | | 6.7 | .5 | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 80/ 79 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | | |
| 78/ 77 | | | .1 | .1 | .3 | | | | | | | | | | | | | 4 | 4 | | |
| 76/ 75 | | | .8 | 1.6 | .5 | .1 | | | | | | | | | | | | 24 | 24 | | |
| 74/ 73 | | .4 | 1.9 | 1.6 | .3 | .5 | .1 | | | | | | | | | | | 38 | 38 | 4 | |
| 72/ 71 | | 1.6 | 3.0 | 1.6 | 1.1 | .1 | | | | | | | | | | | | 60 | 60 | 18 | 5 |
| 70/ 69 | | 3.1 | 4.5 | 1.5 | 1.9 | .6 | .1 | | | | | | | | | | | 94 | 94 | 49 | 24 |
| 68/ 67 | | 3.1 | 2.1 | 1.9 | 1.6 | .1 | .3 | | | | | | | | | | | 73 | 74 | 76 | 52 |
| 66/ 65 | .4 | 3.9 | 2.6 | 3.7 | .6 | .1 | .1 | | | | | | | | | | | 92 | 92 | 73 | 89 |
| 64/ 63 | .4 | 2.6 | 2.4 | 1.9 | 1.1 | .4 | | | | | | | | | | | | 70 | 70 | 81 | 63 |
| 62/ 61 | .4 | 2.8 | 1.8 | 1.6 | 1.0 | .3 | | | | | | | | | | | | 62 | 62 | 78 | 54 |
| 60/ 59 | .1 | 3.1 | 2.0 | 1.5 | .1 | | | | | | | | | | | | | 55 | 55 | 83 | 68 |
| 58/ 57 | .4 | 3.4 | 1.6 | .5 | .4 | .5 | | | | | | | | | | | | 55 | 55 | 70 | 80 |
| 56/ 55 | .4 | 2.4 | 1.9 | .8 | .1 | .1 | | | | | | | | | | | | 45 | 45 | 67 | 70 |
| 54/ 53 | .5 | 2.6 | .9 | .8 | .4 | | | | | | | | | | | | | 41 | 41 | 58 | 62 |
| 52/ 51 | .4 | 1.8 | 1.4 | .5 | .3 | | | | | | | | | | | | | 34 | 34 | 40 | 57 |
| 50/ 49 | .3 | 1.3 | .8 | .1 | | | | | | | | | | | | | | 19 | 19 | 33 | 53 |
| 48/ 47 | .1 | 1.0 | .6 | .3 | | | | | | | | | | | | | | 16 | 16 | 27 | 35 |
| 46/ 45 | | .5 | .1 | .1 | | | | | | | | | | | | | | 6 | 6 | 21 | 26 |
| 44/ 43 | | .3 | .1 | | | | | | | | | | | | | | | 3 | 3 | 8 | 17 |
| 42/ 41 | | .1 | | | | | | | | | | | | | | | | 2 | 2 | 6 | 17 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 2 | 8 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 9 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 3 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 3.3 | 34.3 | 28.6 | 20.3 | 9.6 | 2.9 | .6 | | | | | | | | | | | 794 | 795 | 794 | 794 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 5315856 | 64306 | 81.0 | 11.637 | 794 | | | | | | | |
| Dry Bulb | 3209398 | 50166 | 63.2 | 7.400 | 795 | | | 33.4 | 7.6 | | | 90 |
| Wet Bulb | 2849356 | 47234 | 59.5 | 7.055 | 794 | | | 16.7 | .5 | | | 90 |
| Dew Point | 2625535 | 45233 | 57.0 | 7.835 | 794 | | | 9.2 | | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 86/ 85 | | | | | | .1 | .1 | | | | | | | | | | | 2 | 2 | | |
| 84/ 83 | | | | | .3 | .4 | .3 | | | | | | | | | | | 7 | 7 | | |
| 82/ 81 | | | | .1 | 1.1 | 1.3 | .5 | .3 | | .1 | | | | | | | | 27 | 27 | | |
| 80/ 79 | | | | .9 | 1.9 | 1.4 | 1.1 | .4 | .3 | | | | | | | | | 47 | 47 | | |
| 78/ 77 | | .1 | .1 | 1.1 | 2.3 | 1.5 | 1.5 | .5 | .1 | | | | | | | | | 58 | 58 | 1 | |
| 76/ 75 | | | .9 | 2.5 | 3.3 | 2.9 | 1.4 | .6 | .1 | | | | | | | | | 93 | 93 | 9 | |
| 74/ 73 | | .4 | 1.4 | 2.3 | 1.4 | 3.1 | 1.6 | .4 | .5 | .1 | | | | | | | | 89 | 89 | 29 | 4 |
| 72/ 71 | | .5 | 2.4 | 2.5 | 1.6 | 2.4 | 1.0 | 1.1 | | | | | | | | | | 92 | 93 | 54 | 15 |
| 70/ 69 | .1 | .6 | 1.8 | 1.4 | 2.3 | .9 | 1.0 | .8 | .1 | | | | | | | | | 71 | 72 | 76 | 45 |
| 68/ 67 | | 2.1 | 1.4 | 1.6 | 1.5 | .9 | 1.1 | .3 | .1 | | | | | | | | | 72 | 72 | 83 | 74 |
| 66/ 65 | .1 | 1.6 | .6 | 1.6 | .9 | 1.6 | .5 | .5 | | | | | | | | | | 60 | 60 | 103 | 67 |
| 64/ 63 | .3 | 1.5 | 1.1 | 1.4 | 1.1 | .6 | .5 | | | | | | | | | | | 52 | 52 | 99 | 71 |
| 62/ 61 | .3 | 1.4 | .6 | 1.3 | .6 | .4 | .3 | | | | | | | | | | | 38 | 38 | 75 | 73 |
| 60/ 59 | | .1 | 1.3 | 1.4 | | .8 | .1 | | | | | | | | | | | 29 | 29 | 58 | 59 |
| 58/ 57 | | 1.0 | .6 | .5 | .4 | .4 | | | | | | | | | | | | 23 | 23 | 59 | 81 |
| 56/ 55 | | .1 | 1.1 | .4 | .5 | .1 | | | | | | | | | | | | 18 | 18 | 64 | 68 |
| 54/ 53 | | | .3 | .4 | | | | | | | | | | | | | | 5 | 5 | 30 | 39 |
| 52/ 51 | | | .3 | .1 | .3 | .1 | | | | | | | | | | | | 6 | 6 | 18 | 38 |
| 50/ 49 | | | .5 | | .1 | | | | | | | | | | | | | 5 | 5 | 17 | 44 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 11 | 41 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 4 | 17 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 3 | 16 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 1 | 19 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 15 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 4 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | .8 | 9.6 | 14.4 | 19.5 | 19.5 | 18.9 | 11.1 | 4.8 | 1.3 | .3 | | | | | | | | 794 | 796 | 794 | 794 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 3761998 | 53446 | 67.3 | 14.411 | 794 | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | 3935772 | 55690 | 70.0 | 7.058 | 796 | | | 63.5 | 36.5 | 6.8 | | 90 |
| Wet Bulb | 3172270 | 49920 | 62.9 | 6.521 | 794 | | | 28.6 | 4.4 | | | 90 |
| Dew Point | 2732697 | 46121 | 58.1 | 8.227 | 794 | | | 15.6 | .5 | | | 90 |

USAFETAC FORM 0-26-5 (OL A) 80-4 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 90 / 89 | | | | | | | | .3 | | | | | | | | | | 2 | 2 | | |
| 88 / 87 | | | | | | | .1 | | | | | | | | | | | 1 | 1 | | |
| 86 / 85 | | | | | | .5 | 1.0 | .6 | | | .1 | | | | | | | 18 | 18 | | |
| 84 / 83 | | | | | .8 | 1.6 | 2.0 | 1.6 | 1.0 | .5 | | | | | | | | 60 | 60 | | |
| 82 / 81 | | | | .1 | .9 | 1.6 | 2.3 | 2.0 | .9 | .5 | | | | | | | | 66 | 66 | | |
| 80 / 79 | | | .1 | .5 | 1.6 | 1.0 | 1.5 | 3.0 | .6 | .3 | .1 | | | | | | | 71 | 71 | | |
| 78 / 77 | | | .3 | .9 | 2.0 | 1.4 | 3.1 | 2.0 | .9 | .1 | .1 | | | | | | | 86 | 86 | 2 | |
| 76 / 75 | | | .6 | 1.9 | 1.9 | 2.3 | 2.4 | 1.0 | .8 | .5 | | | | | | | | 90 | 90 | 14 | |
| 74 / 73 | | .3 | 1.5 | 2.0 | 1.6 | 2.4 | 1.4 | 2.0 | 1.4 | .1 | | | | | | | | 101 | 101 | 49 | 7 |
| 72 / 71 | | .3 | 1.4 | .9 | .6 | 1.5 | 1.3 | .5 | .9 | | | | | | | | | 58 | 59 | 63 | 12 |
| 70 / 69 | | .8 | 1.5 | .5 | 1.5 | 1.1 | 1.6 | 1.4 | .3 | | | | | | | | | 69 | 69 | 84 | 44 |
| 68 / 67 | | .5 | .3 | .4 | .6 | .5 | 1.3 | .5 | .1 | | | | | | | | | 33 | 33 | 108 | 84 |
| 66 / 65 | | 1.1 | .3 | .4 | 1.3 | .8 | .5 | .3 | | | | | | | | | | 36 | 36 | 108 | 62 |
| 64 / 63 | | 1.3 | .6 | 1.1 | .9 | .6 | .4 | | | | | | | | | | | 39 | 39 | 84 | 66 |
| 62 / 61 | .1 | .3 | .6 | .6 | .6 | .6 | .1 | | | | | | | | | | | 24 | 25 | 60 | 62 |
| 60 / 59 | | .3 | .9 | .8 | .3 | .4 | | | | | | | | | | | | 20 | 20 | 58 | 67 |
| 58 / 57 | | .1 | .3 | | .1 | | | | | | | | | | | | | 4 | 4 | 64 | 83 |
| 56 / 55 | | | .3 | .1 | .4 | .5 | | | | | | | | | | | | 10 | 10 | 48 | 65 |
| 54 / 53 | | .1 | | | | .3 | | | | | | | | | | | | 3 | 3 | 23 | 42 |
| 52 / 51 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 14 | 38 |
| 50 / 49 | | | .4 | | | | | | | | | | | | | | | 3 | 3 | 5 | 47 |
| 48 / 47 | | | | | | | | | | | | | | | | | | | | 3 | 34 |
| 46 / 45 | | | | | | | | | | | | | | | | | | | | 7 | 27 |
| 44 / 43 | | | | | | | | | | | | | | | | | | | | 1 | 23 |
| 42 / 41 | | | | | | | | | | | | | | | | | | | | | 21 |
| 40 / 39 | | | | | | | | | | | | | | | | | | | | | 4 |
| 38 / 37 | | | | | | | | | | | | | | | | | | | | | 1 |
| 36 / 35 | | | | | | | | | | | | | | | | | | | | | 2 |
| 34 / 33 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | .1 | 4.9 | 9.1 | 10.2 | 15.2 | 17.1 | 19.0 | 15.2 | 6.8 | 2.0 | .4 | | | | | | | | 797 | | 795 |
| | | | | | | | | | | | | | | | | | | 795 | | 795 | |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3020636 | 47566 | 59.8 | 14.833 | 795 | | | | | | | |
| Dry Bulb | 4362139 | 58683 | 73.6 | 7.208 | 797 | | | 74.1 | 55.9 | 21.3 | | 90 |
| Wet Bulb | 3309065 | 51047 | 64.2 | 6.282 | 795 | | | 36.2 | 7.4 | | | 90 |
| Dew Point | 2737575 | 46193 | 58.1 | 8.213 | 795 | | | 16.4 | .8 | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | | | | |
| 92/ 91 | | | | | | .1 | | | .1 | | | | | | | | | 2 | 2 | | |
| 90/ 89 | | | | | | .1 | | | | | | | | | | | | 1 | 1 | | |
| 88/ 87 | | | | | | | .5 | .6 | .3 | .1 | | | | | | | | 12 | 12 | | |
| 86/ 85 | | | | | .1 | .4 | 1.5 | .8 | 1.0 | .1 | .1 | | | | | | | 32 | 32 | | |
| 84/ 83 | | | | | .3 | .8 | 1.9 | 2.2 | 1.5 | .9 | | | | | | | | 59 | 59 | | |
| 82/ 81 | | | | .3 | .8 | 1.4 | 2.0 | 2.2 | 1.6 | .5 | | | | | | | | 69 | 69 | 1 | |
| 80/ 79 | | | .1 | .5 | 1.5 | 2.3 | .9 | 2.7 | 1.4 | .8 | .1 | .3 | | | | | | 83 | 83 | 1 | |
| 78/ 77 | | | .1 | .9 | 1.6 | 1.8 | 2.3 | 3.0 | 1.8 | .3 | | | | | | | | 93 | 93 | 2 | 1 |
| 76/ 75 | | .1 | .6 | 1.5 | 2.3 | 1.8 | 1.4 | 2.8 | 2.0 | .9 | | .1 | | | | | | 107 | 107 | 12 | 1 |
| 74/ 73 | | .1 | .4 | 1.0 | .6 | 1.0 | 1.8 | 1.1 | 1.9 | .1 | | | | | | | | 64 | 64 | 51 | 6 |
| 72/ 71 | | .3 | 1.1 | .4 | .3 | 1.0 | 1.3 | 2.4 | .4 | | | | | | | | | 56 | 56 | 73 | 14 |
| 70/ 69 | | .9 | 1.9 | .9 | | 1.0 | .5 | 1.0 | .6 | | | | | | | | | 54 | 54 | 79 | 38 |
| 68/ 67 | | 1.1 | .4 | .3 | .5 | 1.3 | 1.1 | .3 | .1 | | | | | | | | | 40 | 40 | 106 | 68 |
| 66/ 65 | | 1.8 | .1 | .9 | .9 | 1.3 | .3 | | | | | | | | | | | 41 | 41 | 96 | 75 |
| 64/ 63 | | | .3 | .3 | .3 | .5 | .9 | | | | | | | | | | | 17 | 17 | 80 | 67 |
| 62/ 61 | | 1.0 | .5 | .3 | .1 | .1 | .3 | | | | | | | | | | | 18 | 18 | 67 | 66 |
| 60/ 59 | | .6 | .3 | .4 | | .5 | | | | | | | | | | | | 14 | 14 | 65 | 52 |
| 58/ 57 | | .3 | .4 | .3 | .1 | .1 | .4 | | | | | | | | | | | 12 | 12 | 69 | 59 |
| 56/ 55 | | .4 | | | .3 | .1 | .1 | | | | | | | | | | | 7 | 7 | 36 | 66 |
| 54/ 53 | | .1 | | .4 | | .1 | | | | | | | | | | | | 5 | 5 | 24 | 50 |
| 52/ 51 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 10 | 56 |
| 50/ 49 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 6 | 43 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 7 | 38 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 4 | 32 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 1 | 31 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 6 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 12 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 2 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 2 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 5 |
| TOTAL | | 7.2 | 6.2 | 8.1 | 9.6 | 15.7 | 17.1 | 19.0 | 12.6 | 3.7 | .3 | .4 | | | | | | 790 | 790 | | 790 |
| | | | | | | | | | | | | | | | | | | 790 | | 790 | |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2811201 | 45401 | 57.5 | 16.002 | 790 | | | | | | | |
| Dry Bulb | 4434643 | 58899 | 74.6 | 7.416 | 790 | | | 76.6 | 59.5 | 24.7 | | 90 |
| Wet Bulb | 3298798 | 50808 | 64.3 | 6.282 | 790 | | | 37.0 | 7.6 | .2 | | 90 |
| Dew Point | 2681771 | 45545 | 57.7 | 8.426 | 790 | | | 14.6 | .9 | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | JUN MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 92/ 91 | | | | | | | .1 | | | | | | | | | | | 1 | 1 | | |
| 88/ 87 | | | | | | .1 | | | | | | | | | | | | 1 | 1 | | |
| 86/ 85 | | | | .1 | .1 | .3 | .1 | .1 | .1 | | | | | | | | | 7 | 7 | | |
| 84/ 83 | | | | .1 | .1 | .9 | .1 | .6 | .3 | | | | | | | | | 17 | 17 | | |
| 82/ 81 | | | | .4 | .4 | .8 | .8 | 1.0 | .1 | .1 | | | | | | | | 28 | 28 | | |
| 80/ 79 | | | .4 | .5 | 1.0 | 2.1 | .8 | 1.2 | .3 | .1 | .1 | .1 | | | | | | 51 | 52 | 2 | |
| 78/ 77 | | | .9 | 1.3 | 2.3 | 1.0 | 1.6 | 1.3 | .4 | .1 | | | | | | | | 69 | 71 | 3 | 1 |
| 76/ 75 | | .1 | .9 | 2.2 | 2.6 | 1.7 | 1.8 | 1.0 | .5 | .3 | .1 | | | | | | | 87 | 88 | 12 | 4 |
| 74/ 73 | | | 1.3 | 2.5 | 1.4 | 1.7 | 1.9 | 1.2 | 1.3 | | | | | | | | | 87 | 91 | 26 | 14 |
| 72/ 71 | | 1.0 | 1.7 | 1.7 | 1.3 | 1.6 | 1.3 | 1.0 | .4 | | | | | | | | | 77 | 78 | 50 | 8 |
| 70/ 69 | | 1.3 | 2.5 | 1.3 | 1.4 | 1.3 | 1.4 | 1.6 | .1 | | | | | | | | | 84 | 85 | 83 | 44 |
| 68/ 67 | | .6 | 1.6 | 1.0 | 1.2 | 1.3 | .9 | .5 | .1 | | | | | | | | | 56 | 56 | 88 | 60 |
| 66/ 65 | | .9 | .6 | 1.1 | 1.2 | 1.3 | .4 | .1 | | | | | | | | | | 45 | 46 | 83 | 71 |
| 64/ 63 | | 1.3 | .4 | .8 | .9 | 1.3 | .1 | | | | | | | | | | | 37 | 37 | 77 | 54 |
| 62/ 61 | .3 | 1.4 | .3 | 1.0 | .9 | .1 | .3 | | | | | | | | | | | 33 | 33 | 67 | 57 |
| 60/ 59 | .1 | .8 | .9 | .9 | .5 | .4 | | | | | | | | | | | | 28 | 28 | 76 | 75 |
| 58/ 57 | | .5 | .5 | .1 | .6 | .3 | .3 | | | | | | | | | | | 18 | 18 | 53 | 48 |
| 56/ 55 | | .6 | .6 | .3 | .5 | .3 | .1 | | | | | | | | | | | 20 | 20 | 59 | 49 |
| 54/ 53 | .1 | .4 | .3 | .1 | .4 | .1 | | | | | | | | | | | | 11 | 11 | 34 | 57 |
| 52/ 51 | | .1 | .3 | .3 | .5 | | | | | | | | | | | | | 9 | 9 | 16 | 45 |
| 50/ 49 | | .4 | .1 | | | | | | | | | | | | | | | 4 | 4 | 20 | 41 |
| 48/ 47 | | .1 | | .1 | | | | | | | | | | | | | | 2 | 2 | 9 | 43 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 11 | 42 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 3 | 18 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 14 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 8 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 9 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 3 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 3 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | .5 | 9.8 | 13.2 | 16.1 | 17.5 | 16.5 | 12.0 | 9.7 | 3.6 | .6 | .3 | .1 | | | | | | 772 | 783 | 772 | 772 |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3457336 | 50186 | 65.0 | 15.867 | 772 | | | | | | | |
| Dry Bulb | 3951888 | 55304 | 70.6 | 7.646 | 783 | | | 66.1 | 40.9 | 9.8 | | 90 |
| Wet Bulb | 3080719 | 48873 | 62.8 | 6.942 | 772 | | | 30.8 | 5.0 | .2 | | 90 |
| Dew Point | 2613889 | 44401 | 57.5 | 8.836 | 772 | | .2 | 15.3 | 2.2 | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | JUN MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 82/ 81 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | | |
| 80/ 79 | | | .1 | .5 | .1 | | | | | | | | | | | | | 6 | 6 | | |
| 78/ 77 | | | .5 | .6 | .4 | .3 | | | | | | | | | | | | 14 | 14 | | |
| 76/ 75 | | .1 | 1.5 | 1.0 | 1.8 | .6 | | | | | | | | | | | | 40 | 40 | 4 | |
| 74/ 73 | | .6 | 1.4 | 1.2 | .8 | .6 | | .1 | | | | | | | | | | 37 | 37 | 11 | 6 |
| 72/ 71 | | 2.6 | 4.3 | 1.8 | 1.2 | .6 | | .1 | | | | | | | | | | 82 | 83 | 27 | 11 |
| 70/ 69 | | 3.0 | 3.5 | 2.1 | 1.7 | .8 | | | | | | | | | | | | 85 | 90 | 61 | 36 |
| 68/ 67 | | 2.7 | 2.6 | 2.1 | 1.9 | 1.0 | .4 | .1 | | | | | | | | | | 84 | 86 | 78 | 59 |
| 66/ 65 | .3 | 2.3 | 2.7 | 1.8 | 3.0 | .8 | .1 | | | | | | | | | | | 85 | 87 | 65 | 69 |
| 64/ 63 | .1 | 2.3 | .8 | 2.1 | 1.4 | .4 | .1 | | | | | | | | | | | 56 | 58 | 74 | 63 |
| 62/ 61 | .1 | 1.3 | 1.4 | 2.3 | .6 | .5 | | | | | | | | | | | | 49 | 49 | 74 | 55 |
| 60/ 59 | 1.0 | 2.2 | 1.9 | 2.2 | 1.2 | .1 | | | | | | | | | | | | 67 | 68 | 59 | 57 |
| 58/ 57 | .1 | 1.7 | 1.8 | 1.3 | .4 | | | | | | | | | | | | | 41 | 41 | 75 | 56 |
| 56/ 55 | .3 | 1.4 | 1.5 | 1.7 | .1 | | | | | | | | | | | | | 39 | 39 | 60 | 54 |
| 54/ 53 | .3 | 1.5 | .9 | .9 | .1 | | | | | | | | | | | | | 29 | 29 | 63 | 65 |
| 52/ 51 | .4 | 1.4 | .9 | .3 | .8 | | | | | | | | | | | | | 29 | 29 | 46 | 62 |
| 50/ 49 | | .9 | .4 | .4 | | | | | | | | | | | | | | 13 | 14 | 29 | 57 |
| 48/ 47 | | .3 | .4 | .6 | | | | | | | | | | | | | | 10 | 10 | 19 | 35 |
| 46/ 45 | | | .3 | | | | | | | | | | | | | | | 2 | 2 | 10 | 35 |
| 44/ 43 | | .4 | .4 | | | | | | | | | | | | | | | 6 | 6 | 12 | 20 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 6 | 10 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 2 | 7 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 7 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 11 |
| TOTAL | 2.6 | 24.8 | 27.4 | 23.0 | 15.5 | 5.8 | .6 | .4 | | | | | | | | | | | 789 | | 775 |
| | | | | | | | | | | | | | | | | | | 775 | | 775 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4759306 | 59976 | 77.4 | 12.340 | 775 | | | | | | | |
| Dry Bulb | 3329213 | 50911 | 64.5 | 7.484 | 789 | | | 40.7 | 11.2 | .5 | | 90 |
| Wet Bulb | 2842342 | 46590 | 60.1 | 7.325 | 775 | | | 21.0 | 1.7 | | | 90 |
| Dew Point | 2573500 | 44184 | 57.0 | 8.391 | 775 | | | 13.0 | .7 | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)



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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| ≥ 91 | | | | | | .0 | .0 | | .0 | | | | | | | | | 3 | 3 | | |
| 90/ 89 | | | | | | .0 | | .0 | | | | | | | | | | 3 | 3 | | |
| 88/ 87 | | | | | | .0 | .1 | .1 | .0 | .0 | | | | | | | | 14 | 14 | | |
| 86/ 85 | | | | .0 | .0 | .2 | .3 | .2 | .1 | .0 | .0 | | | | | | | 59 | 59 | | |
| 84/ 83 | | | | .0 | .2 | .5 | .5 | .6 | .3 | .2 | | | | | | | | 143 | 143 | | |
| 82/ 81 | | | | .1 | .4 | .6 | .7 | .7 | .3 | .2 | | | | | | | | 191 | 191 | 1 | |
| 80/ 79 | | | .1 | .4 | .8 | .8 | .5 | .9 | .3 | .1 | .0 | .0 | | | | | | 262 | 263 | 3 | |
| 78/ 77 | | .0 | .3 | .6 | 1.1 | .7 | 1.1 | .9 | .4 | .1 | .0 | | | | | | | 330 | 332 | 8 | 2 |
| 76/ 75 | | .1 | .7 | 1.5 | 1.6 | 1.2 | .9 | .7 | .4 | .2 | .0 | .0 | | | | | | 463 | 464 | 55 | 6 |
| 74/ 73 | | .4 | 1.2 | 1.7 | .8 | 1.2 | .9 | .6 | .6 | .0 | | | | | | | | 466 | 470 | 177 | 43 |
| 72/ 71 | | 1.1 | 2.3 | 1.4 | .8 | .9 | .6 | .7 | .2 | | | | | | | | | 506 | 510 | 325 | 78 |
| 70/ 69 | .0 | 2.1 | 2.9 | 1.2 | 1.2 | .6 | .6 | .6 | .1 | | | | | | | | | 600 | 607 | 485 | 279 |
| 68/ 67 | .0 | 2.4 | 1.4 | 1.3 | 1.2 | .7 | .7 | .2 | .1 | | | | | | | | | 506 | 513 | 684 | 469 |
| 66/ 65 | .3 | 2.4 | 1.4 | 1.6 | 1.1 | .7 | .3 | .1 | | | | | | | | | | 497 | 503 | 675 | 593 |
| 64/ 63 | .3 | 2.1 | 1.2 | 1.3 | .8 | .5 | .3 | | | | | | | | | | | 404 | 409 | 614 | 520 |
| 62/ 61 | .3 | 1.7 | 1.1 | 1.5 | .7 | .3 | .1 | | | | | | | | | | | 363 | 365 | 543 | 462 |
| 60/ 59 | .4 | 1.6 | 1.6 | 1.3 | .3 | .3 | .0 | | | | | | | | | | | 349 | 354 | 540 | 480 |
| 58/ 57 | .4 | 1.7 | 1.4 | .7 | .3 | .2 | .1 | | | | | | | | | | | 290 | 290 | 523 | 550 |
| 56/ 55 | .2 | 1.2 | 1.2 | .6 | .3 | .1 | .0 | | | | | | | | | | | 227 | 227 | 509 | 481 |
| 54/ 53 | .2 | 1.1 | .9 | .5 | .1 | .1 | | | | | | | | | | | | 182 | 182 | 325 | 435 |
| 52/ 51 | .2 | .9 | .7 | .3 | .3 | .0 | | | | | | | | | | | | 158 | 158 | 243 | 428 |
| 50/ 49 | .3 | 1.0 | .7 | .1 | .0 | | | | | | | | | | | | | 129 | 130 | 205 | 403 |
| 48/ 47 | .0 | .5 | .2 | .2 | | | | | | | | | | | | | | 60 | 60 | 145 | 317 |
| 46/ 45 | .1 | .3 | .2 | .0 | | | | | | | | | | | | | | 34 | 34 | 111 | 244 |
| 44/ 43 | | .2 | .1 | | | | | | | | | | | | | | | 22 | 22 | 54 | 181 |
| 42/ 41 | | .2 | .0 | | | | | | | | | | | | | | | 17 | 17 | 39 | 128 |
| 40/ 39 | .0 | .1 | | | | | | | | | | | | | | | | 12 | 12 | 18 | 73 |
| 38/ 37 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 8 | 55 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 1 | 39 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 23 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 2.7 | 21.2 | 19.6 | 16.9 | 12.1 | 9.6 | 7.6 | 6.2 | 3.1 | .6 | .1 | .1 | | | | | | 6291 | 6336 | 6291 | 6291 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 34273129 | 452113 | 71.9 | 16.828 | 6291 | | | | | | | |
| Dry Bulb | 29232946 | 426474 | 67.3 | 9.122 | 6336 | | | 405.9 | 220.7 | 63.1 | | 720 |
| Wet Bulb | 23938103 | 385249 | 61.2 | 7.424 | 6291 | | | 198.9 | 27.9 | .5 | | 720 |
| Dew Point | 20975799 | 359407 | 57.1 | 8.390 | 6291 | | .2 | 100.9 | 5.8 | | | 720 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 86/ 85 | | | | | | .1 | | | | | | | | | | | | 1 | 1 | | |
| 84/ 83 | | | | | .5 | | | | | | | | | | | | | 4 | 4 | | |
| 82/ 81 | | | | .5 | | | | | | | | | | | | | | 4 | 4 | | |
| 80/ 79 | | | .2 | .9 | .7 | .1 | | | | | | | | | | | | 16 | 16 | | |
| 78/ 77 | | | .4 | 1.1 | 1.4 | .1 | | | | | | | | | | | | 24 | 24 | | |
| 76/ 75 | | | 3.0 | 1.6 | 1.4 | .1 | .1 | | | | | | | | | | | 50 | 50 | 12 | |
| 74/ 73 | .1 | 2.0 | 2.5 | 2.1 | .2 | | | | | | | | | | | | | 56 | 56 | 16 | 8 |
| 72/ 71 | .4 | 3.0 | 4.3 | 1.9 | .5 | .5 | | | | | | | | | | | | 85 | 85 | 73 | 27 |
| 70/ 69 | 1.1 | 4.0 | 4.1 | 1.7 | 1.4 | | | | | | | | | | | | | 99 | 99 | 72 | 77 |
| 68/ 67 | .7 | 2.7 | 5.1 | 2.1 | 1.4 | | | | | | | | | | | | | 97 | 97 | 115 | 65 |
| 66/ 65 | 1.5 | 3.1 | 4.2 | 2.8 | .1 | | | | | | | | | | | | | 95 | 98 | 78 | 95 |
| 64/ 63 | .7 | 3.2 | 1.7 | 2.3 | .4 | .4 | | | | | | | | | | | | 71 | 71 | 99 | 83 |
| 62/ 61 | .4 | 3.0 | 2.8 | 1.6 | .5 | | | | | | | | | | | | | 67 | 67 | 85 | 66 |
| 60/ 59 | .2 | 2.5 | 2.1 | .6 | .2 | | | | | | | | | | | | | 46 | 47 | 73 | 81 |
| 58/ 57 | .4 | 1.2 | 2.0 | 1.2 | | | | | | | | | | | | | | 39 | 40 | 62 | 89 |
| 56/ 55 | .4 | .9 | 1.4 | .2 | | | | | | | | | | | | | | 23 | 23 | 49 | 63 |
| 54/ 53 | | .7 | 1.1 | .2 | | | | | | | | | | | | | | 17 | 18 | 29 | 29 |
| 52/ 51 | | .7 | .2 | | | | | | | | | | | | | | | 8 | 8 | 27 | 39 |
| 50/ 49 | | .2 | .6 | | | | | | | | | | | | | | | 7 | 7 | 9 | 24 |
| 48/ 47 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 7 | 27 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 4 | 11 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 2 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | 5.9 | 27.1 | 35.7 | 21.0 | 8.6 | 1.4 | .1 | | | | | | | | | | | | 816 | | 810 |
| | | | | | | | | | | | | | | | | | | 810 | | 810 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5542464 | 66508 | 82.1 | 10.042 | 810 | | | | | | | |
| Dry Bulb | 3665628 | 54430 | 66.7 | 6.549 | 816 | | | 49.7 | 17.7 | 1.6 | | 93 |
| Wet Bulb | 3267117 | 51197 | 63.2 | 6.205 | 810 | | | 33.1 | 3.2 | | | 93 |
| Dew Point | 3050972 | 49406 | 61.0 | 6.806 | 810 | | | 22.6 | .9 | | | 93 |

FORM 2E-4 0-26-5 (OL-A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | JUL MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 82/ 81 | | | | .2 | .2 | | | | | | | | | | | | | 4 | 4 | | |
| 80/ 79 | | | .4 | .6 | .4 | .1 | | | | | | | | | | | | 12 | 12 | | |
| 78/ 77 | | | .4 | .4 | .7 | | | | | | | | | | | | | 12 | 13 | | |
| 76/ 75 | | .1 | 1.6 | 1.9 | .4 | .1 | | | | | | | | | | | | 33 | 33 | 10 | |
| 74/ 73 | | 1.6 | 1.9 | 1.0 | .4 | .2 | | | | | | | | | | | | 41 | 41 | 11 | 9 |
| 72/ 71 | .6 | 3.0 | 3.7 | 1.2 | .4 | .1 | | | | | | | | | | | | 72 | 72 | 55 | 27 |
| 70/ 69 | 1.4 | 4.1 | 3.8 | 1.4 | .7 | | | | | | | | | | | | | 92 | 92 | 68 | 62 |
| 68/ 67 | .5 | 5.2 | 3.0 | 2.0 | .6 | | | | | | | | | | | | | 91 | 91 | 96 | 75 |
| 66/ 65 | .9 | 4.6 | 3.5 | 1.4 | .1 | | | | | | | | | | | | | 84 | 86 | 79 | 99 |
| 64/ 63 | 1.5 | 4.6 | 2.2 | 1.7 | .1 | .2 | | | | | | | | | | | | 84 | 84 | 91 | 67 |
| 62/ 61 | 1.0 | 3.7 | 2.2 | 1.1 | .6 | | | | | | | | | | | | | 70 | 71 | 87 | 72 |
| 60/ 59 | .4 | 4.9 | 1.9 | .6 | .1 | | | | | | | | | | | | | 64 | 65 | 64 | 81 |
| 58/ 57 | .7 | 2.5 | 1.9 | .1 | | | | | | | | | | | | | | 42 | 42 | 77 | 75 |
| 56/ 55 | .5 | 3.1 | 1.2 | .5 | | | | | | | | | | | | | | 43 | 43 | 53 | 73 |
| 54/ 53 | .1 | 2.6 | .9 | .1 | | | | | | | | | | | | | | 30 | 30 | 47 | 45 |
| 52/ 51 | | 1.4 | .4 | | | | | | | | | | | | | | | 14 | 14 | 28 | 41 |
| 50/ 49 | .1 | 1.1 | | | | | | | | | | | | | | | | 10 | 10 | 21 | 36 |
| 48/ 47 | | .7 | .2 | | | | | | | | | | | | | | | 8 | 8 | 14 | 23 |
| 46/ 45 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 7 | 13 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 1 | 6 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 5 |
| TOTAL | 7.7 | 43.5 | 29.0 | 14.1 | 4.8 | .9 | | | | | | | | | | | | | 814 | | 809 |
| | | | | | | | | | | | | | | | | | | 809 | | 809 | |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5967244 | 69054 | 85.4 | 9.504 | 809 | | | | | | | |
| Dry Bulb | 3466436 | 52816 | 64.9 | 6.970 | 814 | | | 40.9 | 11.8 | 1.0 | | 93 |
| Wet Bulb | 3151665 | 50213 | 62.1 | 6.586 | 809 | | | 27.6 | 2.4 | | | 93 |
| Dew Point | 2980936 | 48782 | 60.3 | 6.985 | 809 | | | 19.9 | 1.0 | | | 93 |

USAFETAC Form AS 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 86/ 85 | | | | | .2 | | .1 | | | | | | | | | | | 3 | 3 | | |
| 84/ 83 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | |
| 82/ 81 | | | | .5 | .2 | | | | | | | | | | | | | 6 | 6 | | |
| 80/ 79 | | | .2 | 1.1 | .7 | .4 | | | | | | | | | | | | 20 | 21 | | |
| 78/ 77 | | | .7 | 1.4 | 1.0 | | | | | | | | | | | | | 25 | 25 | 4 | |
| 76/ 75 | | .5 | 2.6 | 1.7 | .7 | .6 | .2 | | | | | | | | | | | 52 | 52 | 8 | 3 |
| 74/ 73 | | 1.6 | 3.3 | 1.4 | .9 | .7 | .2 | | | | | | | | | | | 66 | 66 | 33 | 11 |
| 72/ 71 | .1 | 3.1 | 3.6 | 2.5 | 1.5 | | .1 | | | | | | | | | | | 88 | 88 | 58 | 40 |
| 70/ 69 | .2 | 5.4 | 4.9 | 2.2 | 1.4 | .5 | | | | | | | | | | | | 119 | 119 | 86 | 76 |
| 68/ 67 | .5 | 4.2 | 3.3 | 2.2 | 1.0 | .2 | | | | | | | | | | | | 93 | 93 | 103 | 89 |
| 66/ 65 | .4 | 4.3 | 2.8 | 2.7 | .9 | .1 | | | | | | | | | | | | 91 | 91 | 95 | 87 |
| 64/ 63 | .6 | 3.4 | 2.3 | 1.7 | .5 | | | | | | | | | | | | | 70 | 70 | 106 | 76 |
| 62/ 61 | .6 | 3.2 | 2.0 | .6 | .2 | | | | | | | | | | | | | 54 | 54 | 82 | 76 |
| 60/ 59 | .1 | 3.1 | 2.5 | .4 | | | | | | | | | | | | | | 49 | 49 | 81 | 91 |
| 58/ 57 | | 2.5 | .7 | .4 | | | | | | | | | | | | | | 29 | 29 | 58 | 80 |
| 56/ 55 | | 2.6 | .5 | .1 | | | | | | | | | | | | | | 26 | 26 | 49 | 69 |
| 54/ 53 | | 1.1 | .5 | | | | | | | | | | | | | | | 13 | 13 | 25 | 48 |
| 52/ 51 | .1 | .6 | | | | | | | | | | | | | | | | 6 | 6 | 17 | 37 |
| 50/ 49 | | .1 | .1 | | | | | | | | | | | | | | | 2 | 2 | 6 | 18 |
| 48/ 47 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 1 | 9 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 2 | 2 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 1 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 2.7 | 35.7 | 30.1 | 18.8 | 9.3 | 2.6 | .7 | | | | | | | | | | | | 915 | | 814 |
| | | | | | | | | | | | | | | | | | | 814 | | 814 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5604593 | 66987 | 82.3 | 10.637 | 814 | | | | | | | |
| Dry Bulb | 3736597 | 54935 | 67.4 | 6.435 | 815 | | | 54.1 | 19.9 | 2.1 | | 93 |
| Wet Bulb | 3343389 | 51953 | 63.8 | 5.818 | 814 | | | 33.4 | 5.1 | | | 93 |
| Dew Point | 3126562 | 50188 | 61.7 | 6.290 | 814 | | | 25.0 | 1.6 | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 92/ 91 | | | | | | .1 | .1 | | | | | | | | | | | 2 | 2 | | |
| 90/ 89 | | | | | | .4 | .1 | .2 | | | | | | | | | | 6 | 6 | | |
| 88/ 87 | | | | | .1 | .1 | .8 | .2 | | | | | | | | | | 11 | 11 | | |
| 86/ 85 | | | | | .4 | 1.7 | .8 | .2 | .4 | .2 | | | | | | | | 31 | 31 | | |
| 84/ 83 | | | | .2 | 1.0 | 1.6 | .6 | .7 | .2 | .1 | .1 | | | | | | | 38 | 38 | | |
| 82/ 81 | | | | .6 | 2.2 | 1.1 | 1.3 | .8 | .4 | | | | | | | | | 53 | 53 | 1 | |
| 80/ 79 | | .1 | .4 | 1.1 | 1.7 | 2.3 | 2.2 | 1.2 | .5 | .1 | .1 | | | | | | | 80 | 80 | 6 | |
| 78/ 77 | | | 1.7 | 3.6 | 2.5 | 2.5 | 1.3 | 1.1 | .5 | | | | | | | | | 110 | 110 | 8 | 4 |
| 76/ 75 | .1 | .7 | 1.9 | 2.7 | 2.3 | 2.7 | 2.5 | 1.1 | | | | | | | | | | 116 | 116 | 48 | 10 |
| 74/ 73 | | .7 | 1.9 | 2.4 | 1.7 | 1.5 | 2.2 | 1.0 | | | | | | | | | | 94 | 94 | 84 | 17 |
| 72/ 71 | | 1.5 | 2.1 | 1.6 | 2.5 | 2.5 | 1.6 | .1 | | | | | | | | | | 98 | 98 | 84 | 68 |
| 70/ 69 | | .5 | 1.9 | 1.3 | 1.8 | 1.5 | 1.1 | | | | | | | | | | | 67 | 67 | 109 | 94 |
| 68/ 67 | | 1.8 | .6 | .8 | 1.5 | .8 | .4 | | | | | | | | | | | 49 | 50 | 119 | 78 |
| 66/ 65 | .2 | .7 | .6 | .6 | .7 | .4 | .1 | | | | | | | | | | | 28 | 28 | 103 | 97 |
| 64/ 63 | .2 | 1.0 | .5 | .6 | | | .1 | | | | | | | | | | | 20 | 20 | 93 | 58 |
| 62/ 61 | | .4 | .2 | .2 | .1 | .1 | | | | | | | | | | | | 9 | 9 | 74 | 90 |
| 60/ 59 | | .2 | | .1 | | | | | | | | | | | | | | 3 | 3 | 55 | 64 |
| 58/ 57 | .1 | .6 | | | | | | | | | | | | | | | | 6 | 6 | 76 | 76 |
| 56/ 55 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 8 | 57 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 6 | 47 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 34 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 20 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 6 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 3 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .7 | 8.6 | 11.9 | 16.0 | 18.6 | 19.3 | 15.4 | 6.6 | 1.9 | .5 | .2 | | | | | | | | 825 | | 824 |
| | | | | | | | | | | | | | | | | | | 824 | | 824 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3848240 | 55120 | 66.9 | 13.990 | 824 | | | | | | | |
| Dry Bulb | 4657081 | 61781 | 74.9 | 6.089 | 825 | | | 85.2 | 61.0 | 21.8 | | 93 |
| Wet Bulb | 3736616 | 55320 | 67.1 | 5.247 | 824 | | | 51.8 | 16.6 | .7 | | 93 |
| Dew Point | 3269178 | 51612 | 62.6 | 6.652 | 824 | | | 30.6 | 3.5 | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | |
| 96/ 95 | | | | | | | | | .1 | | | | | | | | | 1 | 1 | | |
| 94/ 93 | | | | | | | | .2 | .2 | | | | | | | | | 4 | 4 | | |
| 92/ 91 | | | | | | | .5 | .4 | .4 | .1 | | | | | | | | 11 | 11 | | |
| [illegible]/ 89 | | | | | | .1 | .5 | 1.2 | 1.3 | .1 | .5 | .1 | | | | | | 32 | 32 | | |
| 88/ 87 | | | | | | .4 | 1.7 | 2.2 | 1.0 | .2 | .4 | | .1 | | | | | 49 | 49 | | |
| 86/ 85 | | | | | .1 | 1.3 | 1.2 | 1.3 | 1.0 | .6 | .4 | .1 | | | | | | 50 | 50 | | |
| 84/ 83 | | | | .6 | .6 | 2.1 | 1.1 | 2.4 | 1.2 | .5 | .5 | | | | | | | 74 | 75 | | |
| 82/ 81 | | | | .6 | 1.8 | 1.8 | 2.9 | 2.0 | 1.0 | 1.0 | .1 | | | | | | | 92 | 92 | | |
| 80/ 79 | | .1 | .1 | 2.0 | 1.6 | 1.8 | 2.1 | 2.2 | 1.8 | .6 | .1 | | | | | | | 102 | 103 | 10 | |
| 78/ 77 | | .1 | .9 | 2.1 | 1.3 | 2.0 | 2.6 | 2.2 | 1.8 | .1 | | | | | | | | 107 | 107 | 23 | 2 |
| 76/ 75 | | .2 | 1.2 | 1.8 | 1.7 | 2.0 | 2.8 | 2.8 | .7 | | | | | | | | | 109 | 109 | 68 | 13 |
| 74/ 73 | | .6 | 1.3 | .4 | .7 | 1.8 | 1.3 | 1.8 | | .1 | | | | | | | | 67 | 67 | 93 | 22 |
| 72/ 71 | | .6 | 1.1 | .6 | 1.2 | .7 | 1.2 | .4 | | | | | | | | | | 48 | 48 | 87 | 66 |
| 70/ 69 | | .9 | .4 | .1 | .4 | .6 | .7 | | | | | | | | | | | 25 | 25 | 127 | 92 |
| 68/ 67 | | .4 | .2 | .5 | .6 | .5 | | | | | | | | | | | | 18 | 18 | 94 | 81 |
| 66/ 65 | .1 | .4 | | .1 | .2 | .4 | | | | | | | | | | | | 10 | 10 | 93 | 62 |
| 64/ 63 | | .6 | | .4 | | .1 | | | | | | | | | | | | 9 | 9 | 90 | 74 |
| 62/ 61 | | .7 | .1 | | | | | | | | | | | | | | | 7 | 7 | 70 | 75 |
| 60/ 59 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 43 | 52 |
| 58/ 57 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 14 | 73 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 4 | 80 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 1 | 29 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 52 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 32 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 10 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 1 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .1 | 4.9 | 5.4 | 9.2 | 10.4 | 15.7 | 18.7 | 19.2 | 10.6 | 3.4 | 2.0 | .2 | .1 | | | | | 817 | 819 | 817 | 817 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≥ 0 F | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2965509 | 47781 | 58.5 | 14.481 | 817 | | | | | | | |
| Dry Bulb | 5102009 | 64437 | 78.7 | 6.280 | 819 | | | 89.8 | 79.5 | 41.7 | .6 | 93 |
| Wet Bulb | 3819209 | 55697 | 68.2 | 5.2.6 | 817 | | | 57.1 | 22.1 | .7 | | 93 |
| Dew Point | 3199754 | 50804 | 62.2 | 7.052 | 817 | | | 31.4 | 4.2 | | | 93 |

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | JUL MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | | |
| 96/ 95 | | | | | | | | | .4 | | | | | | | | | | 3 | 3 | | |
| 94/ 93 | | | | | | | | .2 | 1.0 | | | | | | | | | | 10 | 10 | | |
| 92/ 91 | | | | | | | .4 | .2 | 1.0 | 1.0 | .2 | .1 | .2 | | | | | | 26 | 26 | | |
| 90/ 89 | | | | | | | .2 | .8 | 1.9 | .2 | .1 | .4 | .1 | | | | | | 32 | 32 | | |
| 88/ 87 | | | | | | .2 | 1.0 | 1.5 | 1.0 | 1.3 | .5 | .1 | .1 | | | | | | 47 | 47 | | |
| 86/ 85 | | | | | .8 | 2.4 | .5 | 1.0 | 1.5 | 1.6 | .6 | .2 | | | | | | | 71 | 71 | | |
| 84/ 83 | | | | .1 | .6 | 1.3 | .7 | 2.1 | 1.2 | .8 | | | | | | | | | 57 | 57 | | |
| 82/ 81 | | | .1 | .1 | 1.1 | 1.0 | 2.9 | 1.5 | 1.9 | 1.2 | .4 | | | | | | | | 84 | 84 | | |
| 80/ 79 | | | .4 | .8 | 3.3 | 2.4 | 2.3 | 2.4 | 1.9 | 1.3 | .1 | | | | | | | | 124 | 124 | 12 | |
| 78/ 77 | | | .5 | 1.0 | 1.5 | 1.5 | 3.1 | 1.8 | 1.9 | .1 | | | | | | | | | 94 | 94 | 23 | |
| 76/ 75 | | .2 | 1.5 | 1.7 | 1.5 | 1.9 | 1.8 | 2.2 | 1.2 | .1 | | | | | | | | | 100 | 100 | 70 | 13 |
| 74/ 73 | | .6 | 1.2 | .8 | .8 | 1.5 | 1.0 | 1.3 | .6 | .1 | | | | | | | | | 66 | 66 | 79 | 21 |
| 72/ 71 | | 1.1 | 1.3 | .5 | .2 | .5 | .5 | .2 | | | | | | | | | | | 36 | 36 | 89 | 52 |
| 70/ 69 | .1 | 1.1 | .5 | .1 | .8 | .4 | 1.0 | | .1 | | | | | | | | | | 34 | 34 | 126 | 90 |
| 68/ 67 | | .1 | .7 | .1 | .1 | .8 | .8 | | | | | | | | | | | | 23 | 23 | 113 | 95 |
| 66/ 65 | | .8 | .4 | | | .1 | | | | | | | | | | | | | 11 | 11 | 114 | 56 |
| 64/ 63 | | .4 | .4 | | | | | | | | | | | | | | | | 6 | 6 | 82 | 81 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | 60 | 74 |
| 60/ 59 | | .4 | | | | | | | | | | | | | | | | | 3 | 3 | 33 | 70 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | 20 | 71 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | 5 | 61 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 1 | 37 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | 49 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | 32 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | 16 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | 6 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | 1 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | 1 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .1 | 4.7 | 6.9 | 5.3 | 10.8 | 14.0 | 16.2 | 15.2 | 15.6 | 7.9 | 1.9 | .8 | .5 | | | | | | | 827 | | 827 |
| | | | | | | | | | | | | | | | | | | | 827 | | 827 | |
| | | | | | | | | | | | | | | | | | | | | | | |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 2886058 | 47146 | 57.0 | 15.496 | 827 | | | | | | | |
| Dry Bulb | 5235310 | 65582 | 79.3 | 6.471 | 827 | | | 90.8 | 80.3 | 46.3 | 1.5 | 93 |
| Wet Bulb | 3867967 | 56399 | 68.2 | 5.128 | 827 | | | 57.6 | 20.7 | .7 | | 93 |
| Dew Point | 3208881 | 51171 | 61.9 | 7.186 | 827 | | | 30.6 | 3.8 | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | JUL MONTH

 1600-2000 HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 94/ 93 | | | | | | | | .1 | .1 | | | | | | | | | 2 | 2 | | |
| 92/ 91 | | | | | | | .4 | .1 | | | | | | | | | | 4 | 4 | | |
| 90/ 89 | | | | | | .4 | .1 | .7 | .1 | .1 | .1 | | | | | | | 13 | 13 | | |
| 88/ 87 | | | | | | | .6 | .7 | .2 | .1 | .1 | .1 | | | | | | 16 | 16 | | |
| 86/ 85 | | | | | .2 | 1.5 | 1.1 | .7 | .2 | .9 | .2 | | | | | | | 40 | 40 | | |
| 84/ 83 | | | | | .9 | 1.1 | .6 | 1.0 | .6 | .4 | | | | | | | | 37 | 37 | | |
| 82/ 81 | | | | .4 | 1.6 | 1.3 | 1.2 | .5 | .7 | .2 | .1 | | | | | | | 50 | 50 | | |
| 80/ 79 | | | .4 | 1.3 | 2.5 | 3.1 | 1.0 | 1.3 | .7 | .2 | | | | | | | | 86 | 86 | 9 | |
| 78/ 77 | | .1 | 1.1 | 1.3 | 1.8 | 2.0 | 1.3 | 1.7 | .7 | | | | | | | | | 83 | 83 | 10 | |
| 76/ 75 | | .4 | 2.6 | .9 | 3.6 | 2.0 | 3.3 | 1.3 | .1 | .1 | | | | | | | | 116 | 116 | 39 | 9 |
| 74/ 73 | | .7 | 1.7 | 2.6 | 2.0 | 2.6 | 1.5 | 1.1 | .1 | | | | | | | | | 100 | 100 | 71 | 23 |
| 72/ 71 | .4 | 2.3 | 1.7 | 1.5 | 2.1 | 1.0 | .9 | .5 | | | | | | | | | | 84 | 84 | 97 | 49 |
| 70/ 69 | .7 | 2.3 | 1.1 | 1.1 | 1.8 | 1.0 | .6 | .4 | | | | | | | | | | 74 | 75 | 121 | 90 |
| 68/ 67 | .1 | .4 | .5 | .7 | 1.6 | 1.2 | .4 | .1 | | | | | | | | | | 41 | 41 | 107 | 99 |
| 66/ 65 | .5 | 1.1 | 1.0 | .7 | .6 | .5 | .2 | | | | | | | | | | | 38 | 38 | 103 | 74 |
| 64/ 63 | | .4 | .1 | .6 | .4 | .4 | | | | | | | | | | | | 15 | 16 | 97 | 73 |
| 62/ 61 | | .1 | | .2 | .4 | .2 | | | | | | | | | | | | 8 | 8 | 66 | 72 |
| 60/ 59 | | .4 | .1 | .4 | | | | | | | | | | | | | | 7 | 7 | 41 | 70 |
| 58/ 57 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | 27 | 66 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 17 | 66 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 9 | 47 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 1 | 22 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 24 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 19 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 8 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | 1.7 | 8.2 | 10.3 | 11.9 | 19.4 | 18.2 | 13.3 | 10.4 | 3.8 | 2.1 | .6 | .1 | | | | | | 815 | 817 | 815 | 815 |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3640469 | 53039 | 65.1 | 15.228 | 815 | | | | | | | |
| Dry Bulb | 4667973 | 61539 | 75.5 | 6.327 | 817 | | | 85.0 | 62.3 | 23.1 | .2 | 93 |
| Wet Bulb | 3683499 | 54619 | 67.0 | 5.326 | 815 | | | 51.8 | 14.7 | .5 | | 93 |
| Dew Point | 3185285 | 50631 | 62.1 | 7.000 | 815 | | | 30.8 | 3.7 | | | 93 |

USAFETAC FORM AS 14 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | JUL MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 86/ 85 | | | | | .4 | .5 | | | | | | | | | | | | 7 | 7 | | |
| 84/ 83 | | | | .2 | .5 | | | | | | | | | | | | | 6 | 6 | | |
| 82/ 81 | | | .1 | .4 | .4 | .6 | .1 | | | | | | | | | | | 13 | 13 | | |
| 8 / 79 | | | | 1.0 | 1.0 | 1.0 | | | | | | | | | | | | 24 | 24 | | |
| 78/ 77 | | .1 | .5 | 1.1 | 3.1 | .5 | .1 | | | | | | | | | | | 44 | 44 | 10 | 1 |
| 76/ 75 | | .6 | 1.7 | 2.1 | 2.3 | .9 | .4 | | | | | | | | | | | 65 | 65 | 12 | 4 |
| 74/ 73 | .4 | 1.7 | 2.5 | 3.9 | 2.0 | .7 | .1 | | | | | | | | | | | 92 | 92 | 30 | 19 |
| 72/ 71 | .9 | 2.2 | 3.9 | 3.2 | 2.5 | 1.1 | .2 | | | | | | | | | | | 114 | 114 | 82 | 41 |
| 7 / 69 | .5 | 3.7 | 4.3 | 2.1 | 1.7 | .5 | | | | | | | | | | | | 104 | 104 | 92 | 65 |
| 68/ 67 | 1.1 | 1.8 | 3.2 | 3.3 | 2.0 | .2 | .1 | | | | | | | | | | | 96 | 96 | 122 | 97 |
| 66/ 65 | .5 | 1.7 | 2.6 | 2.6 | 1.0 | .4 | | | | | | | | | | | | 71 | 72 | 93 | 98 |
| 4/ 63 | .4 | 1.1 | 1.8 | 1.7 | 1.4 | | | | | | | | | | | | | 52 | 52 | 102 | 75 |
| 62/ 61 | .1 | 1.5 | 1.2 | .9 | .6 | .4 | | | | | | | | | | | | 38 | 38 | 71 | 70 |
| 6 / 59 | .1 | 1.7 | 1.8 | .5 | .5 | | | | | | | | | | | | | 38 | 39 | 59 | 99 |
| 58/ 57 | | .9 | .9 | .7 | .1 | | | | | | | | | | | | | 21 | 21 | 53 | 65 |
| 56/ 55 | .2 | .2 | 1.0 | 1.1 | | | | | | | | | | | | | | 21 | 21 | 35 | 56 |
| 4/ 53 | | .4 | .1 | .1 | | | | | | | | | | | | | | 5 | 5 | 24 | 34 |
| 52/ 51 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 18 | 32 |
| 5 / 49 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 9 | 24 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 1 | 13 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 16 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | 4.2 | 18.0 | 25.7 | 25.0 | 19.3 | 6.8 | 1.1 | | | | | | | | | | | 813 | 815 | 813 | 813 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4999885 | 63065 | 77.6 | 11.527 | 813 | | | | | | | |
| Dry Bulb | 3941786 | 56492 | 69.5 | 6.363 | 815 | | | 69.5 | 28.6 | 4.6 | | 93 |
| Wet Bulb | 3420761 | 52515 | 64.6 | 5.938 | 813 | | | 39.8 | 5.9 | | | 93 |
| Dew Point | 3137280 | 50200 | 61.7 | 6.801 | 813 | | | 26.0 | 2.7 | | | 93 |

FORM 25-54 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)



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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | |
| 96/ 95 | | | | | | | | | .1 | | | | | | | | | 4 | 4 | | |
| 94/ 93 | | | | | | | | .1 | .2 | | | | | | | | | 16 | 16 | | |
| 92/ 91 | | | | | | .0 | .2 | .1 | .2 | .1 | .0 | .0 | .0 | | | | | 43 | 43 | | |
| 90/ 89 | | | | | | .1 | .1 | .4 | .4 | .1 | .1 | .1 | .0 | | | | | 83 | 83 | | |
| 88/ 87 | | | | | .0 | .1 | .5 | .6 | .3 | .2 | .1 | .0 | .0 | | | | | 123 | 123 | | |
| 86/ 85 | | | | | .3 | .9 | .5 | .4 | .4 | .4 | .2 | .0 | | | | | | 203 | 203 | | |
| 84/ 83 | | | | .2 | .5 | .8 | .4 | .8 | .4 | .2 | .1 | | | | | | | 217 | 218 | | |
| 82/ 81 | | | .0 | .4 | .9 | .7 | 1.1 | .6 | .5 | .3 | .1 | | | | | | | 306 | 306 | 1 | |
| 80/ 79 | | .0 | .3 | 1.1 | 1.5 | 1.4 | .9 | .9 | .6 | .3 | .0 | | | | | | | 464 | 466 | 37 | |
| 78/ 77 | | .0 | .6 | 1.5 | 1.7 | 1.1 | 1.1 | .9 | .6 | .0 | | | | | | | | 499 | 500 | 78 | 7 |
| 76/ 75 | .0 | .4 | 2.0 | 1.8 | 1.7 | 1.3 | 1.4 | .9 | .3 | .0 | | | | | | | | 641 | 641 | 267 | 52 |
| 74/ 73 | .1 | 1.2 | 2.0 | 1.8 | 1.1 | 1.1 | .8 | .7 | .1 | .0 | | | | | | | | 582 | 582 | 417 | 130 |
| 72/ 71 | .3 | 2.1 | 2.7 | 1.6 | 1.4 | .8 | .6 | .2 | | | | | | | | | | 625 | 625 | 625 | 370 |
| 70/ 69 | .5 | 2.7 | 2.6 | 1.3 | 1.3 | .6 | .4 | .0 | .0 | | | | | | | | | 614 | 615 | 801 | 646 |
| 68/ 67 | .4 | 2.1 | 2.1 | 1.5 | 1.1 | .5 | .2 | .0 | | | | | | | | | | 508 | 509 | 869 | 699 |
| 66/ 65 | .5 | 2.1 | 1.9 | 1.4 | .5 | .2 | .0 | | | | | | | | | | | 428 | 434 | 758 | 668 |
| 64/ 63 | .4 | 1.8 | 1.1 | 1.1 | .3 | .1 | .0 | | | | | | | | | | | 327 | 328 | 760 | 587 |
| 62/ 61 | .3 | 1.6 | 1.1 | .6 | .3 | .1 | | | | | | | | | | | | 253 | 254 | 595 | 595 |
| 60/ 59 | .1 | 1.7 | 1.0 | .3 | .1 | | | | | | | | | | | | | 211 | 214 | 449 | 608 |
| 58/ 57 | .2 | 1.0 | .7 | .3 | .0 | | | | | | | | | | | | | 139 | 140 | 337 | 595 |
| 56/ 55 | .1 | .9 | .5 | .2 | | | | | | | | | | | | | | 116 | 116 | 220 | 525 |
| 54/ 53 | .0 | .6 | .3 | .1 | | | | | | | | | | | | | | 65 | 66 | 142 | 316 |
| 52/ 51 | .0 | .4 | .1 | | | | | | | | | | | | | | | 29 | 29 | 91 | 306 |
| 50/ 49 | .0 | .2 | .1 | | | | | | | | | | | | | | | 20 | 20 | 45 | 210 |
| 48/ 47 | | .1 | .0 | | | | | | | | | | | | | | | 10 | 10 | 23 | 123 |
| 46/ 45 | | .0 | | | | | | | | | | | | | | | | 3 | 3 | 13 | 60 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 1 | 18 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 13 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 2.9 | 18.8 | 19.3 | 15.1 | 12.7 | 9.9 | 8.2 | 6.5 | 4.0 | 1.7 | .6 | .2 | .1 | | | | | 6548 | 6548 | | 6529 |
| | | | | | | | | | | | | | | | | | | 6529 | | 6529 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 35454462 | 466700 | 71.8 | 16.641 | 6529 | | | | | | | |
| Dry Bulb | 34672826 | 47.962 | 72.1 | 8.337 | 6548 | | | 560.6 | 361.9 | 142.7 | 2.3 | 744 |
| Wet Bulb | 28290225 | 427913 | 65.5 | 6.122 | 6529 | | | 352.7 | 91.2 | 2.5 | | 744 |
| Dew Point | 25158850 | 402794 | 61.7 | 6.881 | 6529 | | | 217.0 | 21.5 | | | 744 |

FORM AS-4 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 81/ 79 | | | .1 | .1 | | | | | | | | | | | | | | 2 | 2 | | |
| 78/ 77 | | .1 | 1.1 | .6 | .1 | | | | | | | | | | | | | 14 | 14 | | |
| 76/ 75 | | .7 | 3.9 | 1.8 | .4 | | | | | | | | | | | | | 46 | 46 | 3 | |
| 74/ 73 | | 2.1 | 2.6 | .6 | | | | | | | | | | | | | | 38 | 41 | 21 | 10 |
| 72/ 71 | | 6.0 | 3.5 | 1.7 | .3 | | | | | | | | | | | | | 82 | 84 | 55 | 26 |
| 70/ 69 | 1.1 | 3.2 | 4.6 | 1.8 | | | | | | | | | | | | | | 77 | 78 | 83 | 80 |
| 68/ 67 | 2.5 | 6.6 | 5.4 | 1.0 | .6 | | | | | | | | | | | | | 115 | 116 | 90 | 86 |
| 66/ 65 | 1.8 | 6.7 | 4.3 | 1.1 | .1 | | | | | | | | | | | | | 101 | 103 | 89 | 89 |
| 64/ 63 | .7 | 4.0 | 1.5 | .8 | .4 | | | | | | | | | | | | | 54 | 57 | 110 | 78 |
| 62/ 61 | 1.0 | 3.9 | 1.8 | | | | | | | | | | | | | | | 48 | 49 | 68 | 88 |
| 60/ 59 | .8 | 3.2 | 1.0 | .1 | | | | | | | | | | | | | | 37 | 37 | 56 | 69 |
| 58/ 57 | .3 | 2.4 | .6 | .4 | | | | | | | | | | | | | | 26 | 26 | 41 | 59 |
| 56/ 55 | .3 | 2.0 | 1.5 | 1.0 | | | | | | | | | | | | | | 34 | 34 | 24 | 36 |
| 54/ 53 | | 1.3 | .6 | | | | | | | | | | | | | | | 13 | 13 | 17 | 27 |
| 52/ 51 | .3 | 1.2 | .8 | | | | | | | | | | | | | | | 16 | 16 | 25 | 17 |
| 50/ 49 | .3 | .8 | .1 | | | | | | | | | | | | | | | 9 | 9 | 19 | 17 |
| 48/ 47 | .2 | .3 | | | | | | | | | | | | | | | | 3 | 3 | 12 | 20 |
| 46/ 45 | .1 | .1 | | | | | | | | | | | | | | | | 2 | 2 | 4 | 17 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 9.3 | 44.5 | 33.2 | 11.0 | 2.0 | | | | | | | | | | | | | | 730 | | 717 |
| | | | | | | | | | | | | | | | | | | 717 | | 717 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5464540 | 62318 | 86.9 | 8.203 | 717 | | | | | | | |
| Dry Bulb | 3207136 | 48154 | 66.0 | 6.488 | 730 | | | 46.5 | 13.1 | .1 | | 93 |
| Wet Bulb | 2912814 | 45478 | 63.4 | 6.279 | 717 | | | 32.7 | 3.1 | | | 93 |
| Dew Point | 2777442 | 44374 | 61.9 | 6.602 | 717 | | | 26.2 | 1.3 | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 78/ 77 | | | .1 | .1 | | | | | | | | | | | | | | 2 | 2 | | |
| 76/ 75 | | 1.0 | 1.3 | 1.0 | | | | | | | | | | | | | | 26 | 26 | | |
| 74/ 73 | .3 | 2.0 | 2.2 | .5 | | | | | | | | | | | | | | 39 | 41 | 21 | 11 |
| 72/ 71 | .1 | 3.5 | 4.1 | .5 | .1 | | | | | | | | | | | | | 65 | 65 | 34 | 23 |
| 70/ 69 | 1.4 | 5.6 | 4.9 | .3 | | | | | | | | | | | | | | 95 | 97 | 75 | 56 |
| 68/ 67 | 2.6 | 6.3 | 4.9 | .5 | .1 | | | | | | | | | | | | | 112 | 112 | 108 | 99 |
| 66/ 65 | 1.7 | 6.6 | 4.7 | .4 | | | | | | | | | | | | | | 105 | 105 | 99 | 108 |
| 64/ 63 | 2.0 | 6.9 | .8 | .5 | | | | | | | | | | | | | | 80 | 83 | 92 | 80 |
| 62/ 61 | 1.2 | 4.3 | 1.9 | 1.0 | | | | | | | | | | | | | | 66 | 68 | 104 | 88 |
| 60/ 59 | 1.2 | 4.1 | 1.4 | .3 | | | | | | | | | | | | | | 54 | 55 | 54 | 88 |
| 58/ 57 | .4 | 1.7 | 1.2 | .3 | | | | | | | | | | | | | | 27 | 27 | 56 | 49 |
| 56/ 55 | .4 | 1.9 | .8 | .5 | | | | | | | | | | | | | | 25 | 25 | 26 | 40 |
| 54/ 53 | .3 | 2.9 | 1.3 | .1 | | | | | | | | | | | | | | 36 | 36 | 28 | 31 |
| 52/ 51 | .1 | 1.5 | .9 | .3 | | | | | | | | | | | | | | 22 | 22 | 26 | 31 |
| 50/ 49 | .6 | .8 | .1 | | | | | | | | | | | | | | | 12 | 12 | 30 | 24 |
| 48/ 47 | .1 | 1.3 | | | | | | | | | | | | | | | | 11 | 11 | 16 | 23 |
| 46/ 45 | .1 | .4 | | | | | | | | | | | | | | | | 4 | 4 | 12 | 19 |
| 44/ 43 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 1 | 10 |
| 42/ 39 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 12.4 | 50.6 | 30.4 | 6.3 | .3 | | | | | | | | | | | | | | 792 | | 782 |
| | | | | | | | | | | | | | | | | | | 782 | | 782 | |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 6297291 | 69645 | 89.1 | 7.566 | 782 | | | | | | | |
| Dry Bulb | 3219805 | 51008 | 64.4 | 6.622 | 792 | | | 40.3 | 8.1 | | | 93 |
| Wet Bulb | 3072070 | 48764 | 62.3 | 6.572 | 782 | | | 28.3 | 2.5 | | | 93 |
| Dew Point | 2986529 | 47775 | 61.1 | 6.911 | 782 | | | 22.8 | 1.3 | | | 93 |

USAFETAC FORM 0-26-5 (OL A) 80-44 OBSOLETE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 80/ 79 | | .1 | | .1 | .2 | .1 | | | | | | | | | | | | 5 | 5 | | |
| 78/ 77 | | | .5 | | | | | | | | | | | | | | | 4 | 4 | 1 | |
| 76/ 75 | | .7 | 2.4 | .7 | | .1 | | | | | | | | | | | | 33 | 33 | 2 | 2 |
| 74/ 73 | .4 | 2.0 | 2.7 | .9 | .2 | | | | | | | | | | | | | 50 | 50 | 24 | 10 |
| 72/ 71 | .5 | 3.7 | 2.7 | .7 | .2 | .1 | | | | | | | | | | | | 65 | 65 | 45 | 32 |
| 70/ 69 | 1.5 | 7.8 | 5.4 | .9 | .4 | | | | | | | | | | | | | 130 | 130 | 86 | 68 |
| 68/ 67 | 2.3 | 8.2 | 4.4 | 1.3 | .4 | | | | | | | | | | | | | 136 | 136 | 129 | 123 |
| 66/ 65 | 1.8 | 6.2 | 2.4 | .6 | | | | | | | | | | | | | | 91 | 91 | 128 | 108 |
| 64/ 63 | 2.2 | 7.1 | 1.5 | .9 | .1 | | | | | | | | | | | | | 96 | 96 | 101 | 105 |
| 62/ 61 | 1.0 | 5.4 | .7 | .9 | .1 | | | | | | | | | | | | | 66 | 66 | 93 | 97 |
| 60/ 59 | .5 | 2.7 | 1.5 | 1.0 | | | | | | | | | | | | | | 46 | 46 | 56 | 71 |
| 58/ 57 | .5 | 1.7 | 1.0 | .6 | | | | | | | | | | | | | | 31 | 32 | 44 | 56 |
| 56/ 55 | | 1.3 | 1.0 | | | | | | | | | | | | | | | 19 | 19 | 29 | 34 |
| 54/ 53 | | 1.7 | .6 | | | | | | | | | | | | | | | 19 | 19 | 28 | 25 |
| 52/ 51 | | .9 | .5 | | | | | | | | | | | | | | | 11 | 11 | 25 | 30 |
| 50/ 49 | .1 | .7 | .4 | .1 | | | | | | | | | | | | | | 11 | 11 | 10 | 25 |
| 48/ 47 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 10 | 15 |
| 46/ 45 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 5 | 11 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 1 | 4 |
| 42/ 41 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 1 | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 10.8 | 50.9 | 27.6 | 8.7 | 1.7 | .4 | | | | | | | | | | | | | 819 | | 818 |
| | | | | | | | | | | | | | | | | | | 818 | | 818 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 6407080 | 72056 | 88.1 | 8.556 | 818 | | | | | | | |
| Dry Bulb | 3574064 | 53878 | 65.8 | 6.025 | 819 | | | 48.0 | 10.4 | .1 | | 93 |
| Wet Bulb | 3329811 | 51961 | 63.5 | 5.973 | 818 | | | 32.6 | 3.1 | | | 93 |
| Dew Point | 3193546 | 50838 | 62.1 | 6.452 | 818 | | | 26.7 | 1.4 | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | | |
| 88/ 87 | | | | | | .1 | | .4 | | | | | | | | | | | 4 | 4 | | |
| 86/ 85 | | | | | .2 | .6 | .1 | | | | | | | | | | | | 8 | 8 | | |
| 84/ 83 | | | | .1 | .9 | .5 | | .1 | | | | | | | | | | | 13 | 13 | | |
| 82/ 81 | | | .4 | 1.2 | 1.7 | .5 | .4 | | | | | | | | | | | | 34 | 34 | | |
| 80/ 79 | | | .1 | 2.8 | 1.1 | 1.7 | .4 | .2 | .1 | | | | | | | | | | 53 | 53 | | |
| 78/ 77 | .1 | .5 | 1.5 | 3.7 | 3.1 | 2.1 | .9 | .5 | | | | | | | | | | | 100 | 100 | 8 | 2 |
| 76/ 75 | | 1.1 | 3.3 | 4.4 | 3.4 | 1.0 | .9 | .1 | | | | | | | | | | | 116 | 116 | 34 | 11 |
| 74/ 73 | | .6 | 4.8 | 4.2 | 2.0 | 1.1 | .9 | .2 | | | | | | | | | | | 112 | 112 | 82 | 21 |
| 72/ 71 | .1 | 2.8 | 4.2 | 2.2 | 2.2 | .6 | 1.0 | | | | | | | | | | | | 107 | 107 | 84 | 66 |
| 70/ 69 | .5 | 3.4 | 2.2 | 1.7 | 1.5 | 1.7 | .1 | .1 | | | | | | | | | | | 92 | 92 | 164 | 104 |
| 68/ 67 | 1.0 | 1.7 | 1.7 | .9 | 1.0 | .5 | .2 | .1 | | | | | | | | | | | 58 | 58 | 129 | 141 |
| 66/ 65 | .7 | 1.1 | 1.4 | 1.1 | 1.5 | .5 | .1 | | | | | | | | | | | | 52 | 52 | 84 | 99 |
| 64/ 63 | .6 | 1.1 | .4 | .4 | .6 | .4 | .1 | | | | | | | | | | | | 29 | 29 | 73 | 78 |
| 62/ 61 | .6 | .9 | .2 | .4 | .7 | | | | | | | | | | | | | | ≤3 | 23 | 58 | 72 |
| 60/ 59 | .5 | .2 | .1 | | | | | | | | | | | | | | | | 7 | 7 | 49 | 69 |
| 58/ 57 | | .1 | .1 | | | | | | | | | | | | | | | | 2 | 2 | 19 | 34 |
| 56/ 55 | | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 17 | 31 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 9 | 33 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 3 | 21 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | 13 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | 13 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | 3 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 4.2 | 13.7 | 20.6 | 23.1 | 19.9 | 11.3 | 5.0 | 1.8 | .1 | | | | | | | | | | | 813 | | 813 |
| | | | | | | | | | | | | | | | | | | | 813 | | 813 | |

| Element (E) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Wet Bulb | [illegible] | 60782 | 74.8 | 13.19[illegible] | 813 | | | 79.7 | 50.3 | 10.3 | | 93 |
| Dry Bulb | [illegible] | 59161 | 72.8 | 8.53[illegible] | 813 | | | | | | | |
| Wet Bulb | [illegible] | 54611 | 67.2 | 8.12[illegible] | 813 | | | 57.3 | 14.2 | | | 93 |
| Dew Point | [illegible] | 51990 | 63.9 | 8.37[illegible] | 813 | | | 39.8 | 3.9 | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) AUG (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 90 / 89 | | | | | | .1 | .4 | | .2 | .2 | | | | | | | | 8 | 8 | | |
| 88 / 87 | | | | | | .5 | 1.4 | .2 | .1 | .1 | | | | | | | | 19 | 19 | | |
| 86 / 85 | | | | | .7 | 2.2 | 1.0 | 1.1 | .5 | | | | | | | | | 45 | 45 | | |
| 84 / 83 | | | | .2 | 1.8 | 1.7 | .6 | 1.1 | .9 | .1 | | | | | | | | 53 | 53 | | |
| 82 / 81 | | | .1 | .5 | 2.2 | 3.3 | 3.7 | .9 | .5 | | | | | | | | | 91 | 91 | | |
| 80 / 79 | | .2 | .2 | 1.8 | 3.2 | 4.8 | 3.3 | 2.1 | .7 | .1 | | | | | | | | 135 | 135 | 6 | |
| 78 / 77 | | .1 | .4 | 2.5 | 3.3 | 2.5 | 2.8 | 1.1 | .5 | .2 | | | | | | | | 109 | 109 | 19 | 2 |
| 76 / 75 | | .1 | 2.2 | 2.7 | 2.6 | 1.4 | 1.1 | 1.4 | .4 | | | | | | | | | 96 | 97 | 56 | 12 |
| 74 / 73 | | .5 | 2.2 | 2.5 | .9 | 2.0 | 1.6 | .4 | .6 | | | | | | | | | 86 | 86 | 88 | 27 |
| 72 / 71 | | .9 | 1.4 | .2 | | 1.8 | 1.7 | .2 | .2 | | | | | | | | | 45 | 45 | 122 | 66 |
| 70 / 69 | .1 | 2.6 | .2 | .1 | 1.1 | 1.2 | 1.4 | | | | | | | | | | | 55 | 55 | 159 | 102 |
| 68 / 67 | .1 | .6 | .6 | .5 | .4 | .1 | .1 | | | | | | | | | | | 20 | 21 | 111 | 115 |
| 66 / 65 | .2 | .9 | .1 | .2 | .6 | .6 | .4 | | | | | | | | | | | 25 | 25 | 67 | 97 |
| 64 / 63 | | .4 | .2 | .1 | .1 | .1 | | | | | | | | | | | | 8 | 8 | 47 | 77 |
| 62 / 61 | .4 | .9 | | | | | | | | | | | | | | | | 10 | 10 | 66 | 75 |
| 60 / 59 | | .5 | | .1 | | | | | | | | | | | | | | 5 | 5 | 40 | 52 |
| 58 / 57 | | | | .2 | | | | | | | | | | | | | | 2 | 2 | 19 | 52 |
| 56 / 55 | | | | | | | | | | | | | | | | | | | | 7 | 41 |
| 54 / 53 | | | | | | | | | | | | | | | | | | | | 5 | 31 |
| 52 / 51 | | | | | | | | | | | | | | | | | | | | | 20 |
| 50 / 49 | | | | | | | | | | | | | | | | | | | | | 25 |
| 48 / 47 | | | | | | | | | | | | | | | | | | | | | 7 |
| 46 / 45 | | | | | | | | | | | | | | | | | | | | | 8 |
| 44 / 43 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | .9 | 7.6 | 7.6 | 11.6 | 17.0 | 22.4 | 18.7 | 8.4 | 4.6 | .9 | | | | | | | | 812 | 814 | 812 | 812 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 3572436 | 52586 | 64.6 | 14.346 | 812 | | | | | | | |
| Dry Bulb | 4832039 | 62535 | 76.8 | 5.934 | 814 | | | 87.3 | 73.5 | 33.8 | | 93 |
| Wet Bulb | 3809261 | 55461 | 68.3 | 5.110 | 812 | | | 64.3 | 19.4 | .1 | | 93 |
| Dew Point | 3311692 | 51566 | 63.5 | 6.756 | 812 | | | 37.1 | 4.7 | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | AUG MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 92/ 91 | | | | | | | .1 | .1 | | .2 | | | | | | | | 4 | 4 | | |
| 90/ 89 | | | | | | .2 | .2 | .1 | | .5 | | | | | | | | 9 | 9 | | |
| 88/ 87 | | | | | | .6 | .7 | .7 | .5 | | | | | | | | | 21 | 21 | | |
| 86/ 85 | | | | | .9 | 1.6 | 2.1 | 1.0 | 1.0 | .5 | | | | | | | | 57 | 57 | | |
| 84/ 83 | | | | .2 | .9 | 2.6 | 1.6 | 2.3 | .1 | .1 | | | | | | | | 64 | 64 | | |
| 82/ 81 | | | | .2 | 1.5 | 2.3 | 5.0 | 1.8 | 1.1 | | | | | | | | | 98 | 98 | | |
| 80/ 79 | | .1 | .4 | 2.0 | 2.9 | 4.0 | 2.9 | 2.6 | .5 | .5 | .2 | | | | | | | 132 | 133 | 4 | |
| 78/ 77 | | | .6 | 2.3 | 4.0 | 3.1 | 2.1 | 2.1 | .4 | .4 | | | | | | | | 122 | 122 | 20 | |
| 76/ 75 | | .2 | 2.2 | 3.3 | 1.7 | 1.6 | 1.2 | .4 | .2 | .2 | | | | | | | | 91 | 91 | 41 | 13 |
| 74/ 73 | | .4 | 1.7 | 1.3 | .4 | 1.7 | 1.0 | .7 | .7 | | | | | | | | | 65 | 65 | 101 | 20 |
| 72/ 71 | .2 | 1.5 | 1.1 | .4 | .2 | 1.0 | 1.1 | .1 | .2 | | | | | | | | | 48 | 48 | 136 | 56 |
| 70/ 69 | .1 | 1.3 | .5 | .1 | .9 | .7 | .9 | .5 | .1 | | | | | | | | | 42 | 42 | 168 | 108 |
| 68/ 67 | | .5 | .6 | .2 | .7 | .2 | .7 | | | | | | | | | | | 25 | 25 | 103 | 119 |
| 66/ 65 | | .4 | .2 | | .5 | .4 | | | | | | | | | | | | 12 | 12 | 61 | 90 |
| 64/ 63 | | .9 | .1 | .4 | | | | | | | | | | | | | | 11 | 11 | 56 | 89 |
| 62/ 61 | .4 | .6 | .1 | | .2 | | | | | | | | | | | | | 11 | 11 | 52 | 75 |
| 60/ 59 | .1 | .2 | | | | | | | | | | | | | | | | 3 | 3 | 31 | 48 |
| 58/ 57 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 31 | 60 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 11 | 43 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 2 | 29 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 18 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 15 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 16 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 13 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 2 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | .9 | 6.4 | 7.6 | 10.5 | 14.8 | 20.1 | 19.7 | 12.5 | 4.9 | 2.4 | .2 | | | | | | | 817 | 818 | 817 | 817 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3405319 | 51371 | 62.9 | 16.654 | 817 | | | | | | | |
| Dry Bulb | 4939628 | 63380 | 77.5 | 5.941 | 818 | | | 88.6 | 75.5 | 37.6 | | 93 |
| Wet Bulb | 3837851 | 55843 | 68.4 | 5.062 | 817 | | | 65.2 | 18.9 | .1 | | 93 |
| Dew Point | 3303066 | 51646 | 63.2 | 6.852 | 817 | | | 36.0 | 3.8 | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | AUG MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | | |
| ≥ 88/ 87 | | | | | .1 | .1 | | .1 | .1 | | | | | | | | | | 4 | 4 | | |
| 86/ 85 | | | | | .4 | .6 | .4 | .1 | .1 | | | | | | | | | | 13 | 13 | | |
| 84/ 83 | | | | .4 | .5 | .6 | .5 | .4 | .1 | | | | | | | | | | 20 | 20 | | |
| 82/ 81 | | | .1 | .5 | 2.0 | .9 | .7 | .6 | .2 | | | | | | | | | | 41 | 42 | | |
| 80/ 79 | | | .4 | 2.0 | 1.6 | 1.9 | .6 | 1.0 | | .1 | | | | | | | | | 61 | 61 | 2 | |
| 78/ 77 | | | 1.2 | 2.5 | 2.7 | 2.2 | 1.0 | .4 | .1 | .1 | | | | | | | | | 83 | 88 | 8 | 1 |
| 76/ 75 | .1 | .5 | 2.7 | 3.9 | 4.6 | 1.0 | .9 | .7 | | | | | | | | | | | 116 | 117 | 27 | 13 |
| 74/ 73 | .2 | 1.5 | 3.9 | 4.4 | 2.5 | .9 | .2 | | .1 | | | | | | | | | | 110 | 112 | 68 | 18 |
| 72/ 71 | .5 | 2.5 | 4.0 | 2.5 | 1.7 | .9 | .7 | | .1 | .1 | | | | | | | | | 105 | 106 | 101 | 49 |
| 70/ 69 | 1.0 | 3.2 | 3.2 | 1.2 | 1.7 | .7 | .2 | | | | | | | | | | | | 92 | 93 | 151 | 103 |
| 68/ 67 | .2 | 1.1 | 1.2 | 1.0 | 1.4 | .2 | .7 | .1 | | | | | | | | | | | 49 | 50 | 143 | 121 |
| 66/ 65 | .2 | 1.4 | .9 | 1.2 | .6 | | .1 | | | | | | | | | | | | 36 | 36 | 82 | 110 |
| 64/ 63 | | | .5 | 1.1 | .5 | .2 | .1 | | | | | | | | | | | | 20 | 20 | 60 | 71 |
| 62/ 61 | .5 | .2 | .1 | .5 | .6 | .1 | | | | | | | | | | | | | 17 | 17 | 48 | 84 |
| 60/ 59 | .2 | .6 | .6 | .5 | .1 | | | | | | | | | | | | | | 17 | 17 | 38 | 55 |
| 58/ 57 | | .2 | .4 | .6 | .1 | | | | | | | | | | | | | | 11 | 11 | 27 | 46 |
| 56/ 55 | | .2 | .4 | | | | | | | | | | | | | | | | 5 | 6 | 19 | 41 |
| 54/ 53 | | .1 | .1 | | | | | | | | | | | | | | | | 2 | 2 | 20 | 25 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 6 | 16 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 2 | 22 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | 15 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | 7 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | 1 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | 2 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | 1 |
| 38/ 35 | | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 3.1 | 11.7 | 19.8 | 22.3 | 21.3 | 10.5 | 6.4 | 3.5 | 1.0 | .4 | | | | | | | | | 802 | 815 | 802 | 802 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4407545 | 58445 | 72.9 | 13.612 | 802 | | | | | | | |
| Dry Bulb | 4370757 | 59475 | 73.0 | 6.125 | 815 | | | 80.6 | 52.1 | 12.8 | | 93 |
| Wet Bulb | 3611322 | 53636 | 66.9 | 5.473 | 802 | | | 58.0 | 12.2 | .1 | | 93 |
| Dew Point | 3252761 | 50789 | 63.1 | 6.742 | 802 | | | 35.9 | 3.7 | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | AUG MONTH

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

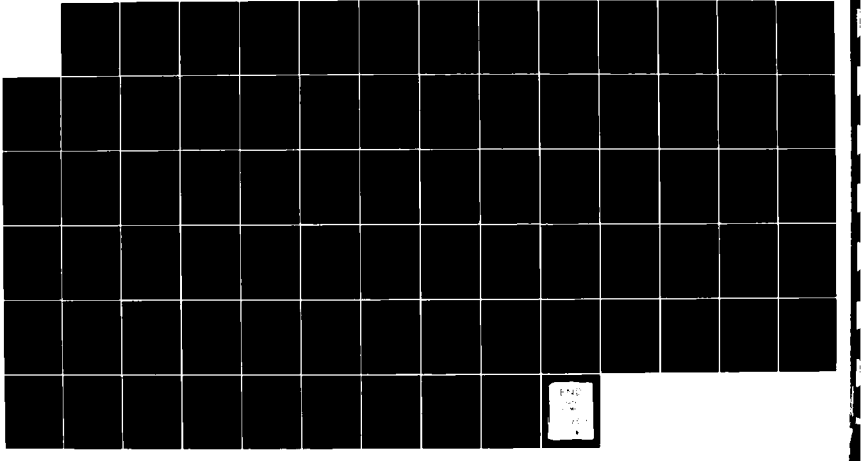
| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| [illegible] / 79 | | | .9 | .3 | .3 | | | | | | | | | | | | | 11 | 11 | | |
| 7[illegible] / 77 | | .1 | 1.2 | 1.9 | .7 | .1 | | | | | | | | | | | | 30 | 30 | | |
| [illegible]6 / 75 | | .7 | 3.1 | 1.7 | .4 | | | | | | | | | | | | | 44 | 47 | 9 | 4 |
| [illegible]4 / 73 | | 1.6 | 4.8 | 2.9 | .8 | .3 | | | | | | | | | | | | 78 | 80 | 32 | 10 |
| [illegible]2 / 71 | | 5.9 | 3.9 | 3.3 | .9 | | | | | | | | | | | | | 105 | 105 | 62 | 33 |
| [illegible] / 69 | .5 | 4.0 | 6.4 | 2.8 | .8 | | | | | | | | | | | | | 109 | 111 | 103 | 86 |
| 6[illegible] / 67 | 1.7 | 5.1 | 6.8 | 2.1 | .9 | .1 | | | | | | | | | | | | 126 | 128 | 111 | 101 |
| [illegible]6 / 65 | 1.6 | 3.7 | 3.7 | 1.2 | .3 | | | | | | | | | | | | | 79 | 83 | 121 | 97 |
| [illegible]4 / 63 | .1 | 2.8 | 1.5 | .4 | | | | | | | | | | | | | | 36 | 36 | 96 | 92 |
| [illegible]2 / 61 | .4 | 1.1 | 2.0 | .9 | .1 | | | | | | | | | | | | | 34 | 34 | 67 | 90 |
| [illegible] / 59 | .4 | 1.3 | 2.3 | .7 | | | | | | | | | | | | | | 35 | 35 | 34 | 63 |
| 5[illegible] / 57 | | 1.6 | .8 | .5 | .1 | | | | | | | | | | | | | 23 | 23 | 34 | 47 |
| 5[illegible] / 55 | | 1.2 | 1.3 | .3 | | | | | | | | | | | | | | 21 | 21 | 28 | 37 |
| [illegible]4 / 53 | | .5 | 1.1 | | | | | | | | | | | | | | | 12 | 12 | 20 | 27 |
| [illegible]2 / 51 | | .4 | .5 | | | | | | | | | | | | | | | 7 | 7 | 16 | 19 |
| 5[illegible] / 49 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 12 | 13 |
| [illegible] / 47 | | | | | | | | | | | | | | | | | | | | 4 | 21 |
| 46 / 45 | | | | | | | | | | | | | | | | | | | | | 8 |
| [illegible]2 / 41 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 4.8 | 30.1 | 40.2 | 19.0 | 5.3 | .5 | | | | | | | | | | | | | 764 | | 751 |
| | | | | | | | | | | | | | | | | | | 751 | | 751 | |

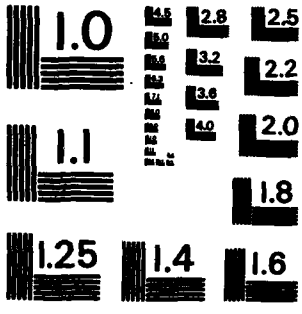
| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5287769 | 62659 | 83.4 | 8.935 | 751 | | | | | | | |
| Dry Bulb | 3557128 | 51936 | 68.0 | 5.901 | 764 | | | 62.3 | 20.5 | .6 | | 93 |
| Wet Bulb | 3165079 | 48563 | 64.7 | 5.748 | 751 | | | 39.3 | 5.1 | | | 93 |
| Dew Point | 2980151 | 47071 | 62.7 | 6.308 | 751 | | | 29.2 | 1.7 | | | 93 |

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

AD-A122 714 MANSFIELD/LAHM MAP OHIO REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 03 AUG 82

UNCLASSIFIED USAFETAC/DS-82/048 SBI-AD-E850 207 F/G 4/2 NL






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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | AUG MONTH

 ALL HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 92/ 91 | | | | | | | .0 | .0 | | .0 | | | | | | | | 4 | 4 | | |
| 90/ 89 | | | | | | .0 | .1 | .0 | .0 | .1 | | | | | | | | 17 | 17 | | |
| 88/ 87 | | | | | .0 | .2 | .3 | .2 | .1 | .0 | | | | | | | | 48 | 48 | | |
| 86/ 85 | | | | | .3 | .6 | .5 | .3 | .2 | .1 | | | | | | | | 123 | 123 | | |
| 84/ 83 | | | | .1 | .5 | .7 | .3 | .5 | .1 | .0 | | | | | | | | 150 | 150 | | |
| 82/ 81 | | | .1 | .3 | 1.0 | .9 | 1.3 | .4 | .2 | | | | | | | | | 264 | 265 | | |
| 80/ 79 | | .1 | .3 | 1.2 | 1.2 | 1.6 | .9 | .8 | .2 | .1 | .0 | | | | | | | 399 | 400 | 12 | |
| 78/ 77 | .0 | .1 | .8 | 1.7 | 1.8 | 1.3 | .9 | .5 | .1 | .1 | | | | | | | | 464 | 469 | 56 | 5 |
| 76/ 75 | .0 | .6 | 2.6 | 2.5 | 1.7 | .6 | .5 | .3 | .1 | .0 | | | | | | | | 568 | 573 | 172 | 55 |
| 74/ 73 | .1 | 1.3 | 3.1 | 2.2 | .9 | .8 | .5 | .2 | .2 | | | | | | | | | 578 | 587 | 437 | 127 |
| 72/ 71 | .2 | 3.3 | 3.1 | 1.4 | .7 | .6 | .5 | .0 | .1 | .0 | | | | | | | | 622 | 625 | 639 | 351 |
| 70/ 69 | .8 | 3.9 | 3.4 | 1.3 | .8 | .6 | .3 | .1 | .0 | | | | | | | | | 692 | 698 | 989 | 709 |
| 68/ 67 | 1.3 | 3.7 | 3.1 | .9 | .7 | .2 | .2 | .0 | | | | | | | | | | 641 | 646 | 924 | 905 |
| 66/ 65 | 1.0 | 3.3 | 2.2 | .7 | .5 | .2 | .1 | | | | | | | | | | | 501 | 507 | 731 | 798 |
| 64/ 63 | .7 | 2.9 | .8 | .6 | .2 | .1 | .0 | | | | | | | | | | | 334 | 340 | 635 | 670 |
| 62/ 61 | .7 | 2.1 | .8 | .5 | .2 | .0 | | | | | | | | | | | | 275 | 278 | 556 | 669 |
| 60/ 59 | .5 | 1.6 | .8 | .3 | .0 | | | | | | | | | | | | | 204 | 205 | 358 | 515 |
| 58/ 57 | .3 | 1.0 | .5 | .3 | .0 | | | | | | | | | | | | | 124 | 125 | 273 | 398 |
| 56/ 55 | .1 | .8 | .6 | .2 | | | | | | | | | | | | | | 107 | 108 | 161 | 303 |
| 54/ 53 | .0 | .8 | .4 | .0 | | | | | | | | | | | | | | 82 | 82 | 129 | 228 |
| 52/ 51 | .0 | .5 | .3 | .0 | | | | | | | | | | | | | | 56 | 56 | 101 | 172 |
| 50/ 49 | .1 | .3 | .1 | .0 | | | | | | | | | | | | | | 33 | 33 | 73 | 154 |
| 48/ 47 | .0 | .2 | | | | | | | | | | | | | | | | 17 | 17 | 42 | 130 |
| 46/ 45 | .0 | .1 | | | | | | | | | | | | | | | | 7 | 7 | 21 | 86 |
| 44/ 43 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 2 | 25 |
| 42/ 41 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 1 | 6 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 5 |
| 38/ 35 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 5.7 | 26.6 | 23.1 | 14.1 | 10.5 | 8.4 | 6.4 | 3.4 | 1.4 | .5 | .0 | | | | | | | 6312 | 6365 | 6312 | 6312 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 39477604 | 489862 | 77.6 | 15.213 | 6312 | | | | | | | |
| Dry Bulb | 32130995 | 449525 | 70.6 | 7.761 | 6365 | | | 538.3 | 308.1 | 97.7 | | 744 |
| Wet Bulb | 27426842 | 414306 | 65.6 | 6.898 | 6312 | | | 380.6 | 79.8 | .4 | | 744 |
| Dew Point | 25132827 | 396083 | 62.7 | 6.648 | 6312 | | | 253.7 | 22.6 | | | 744 |

USAFETAC FORM 0-26-3 (OL A) 80-04 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-80 (YEARS) SEP (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 78/ 77 | | | | .3 | | | | | | | | | | | | | | 2 | 2 | | |
| 76/ 75 | | .1 | .9 | .3 | .1 | | | | | | | | | | | | | 10 | 10 | | |
| 74/ 73 | | .7 | 2.0 | .4 | .4 | | | | | | | | | | | | | 25 | 25 | 2 | |
| 72/ 71 | | .9 | 2.6 | .3 | .3 | | | | | | | | | | | | | 28 | 28 | 15 | 7 |
| 70/ 69 | .1 | 1.1 | 2.6 | .4 | .3 | | | | | | | | | | | | | 32 | 32 | 38 | 17 |
| 68/ 67 | 1.4 | 2.1 | 1.6 | .6 | .3 | | | | | | | | | | | | | 42 | 42 | 30 | 45 |
| 66/ 65 | .3 | 5.1 | 1.6 | 1.0 | .3 | | | | | | | | | | | | | 58 | 58 | 39 | 28 |
| 64/ 63 | .3 | 3.1 | 1.7 | .6 | .4 | .1 | | | | | | | | | | | | 44 | 44 | 56 | 46 |
| 62/ 61 | 1.1 | 3.6 | 1.1 | 1.4 | .3 | | | | | | | | | | | | | 53 | 53 | 55 | 49 |
| 60/ 59 | 2.3 | 4.3 | 1.9 | 1.1 | | | | | | | | | | | | | | 67 | 67 | 60 | 66 |
| 58/ 57 | .3 | 4.6 | 3.0 | .3 | .1 | | | | | | | | | | | | | 58 | 60 | 41 | 34 |
| 56/ 55 | .4 | 2.9 | 3.3 | .7 | .3 | | | | | | | | | | | | | 53 | 54 | 63 | 52 |
| 54/ 53 | | 4.6 | 1.9 | 1.1 | .3 | | | | | | | | | | | | | 55 | 55 | 50 | 44 |
| 52/ 51 | | 4.4 | 2.4 | .4 | | | | | | | | | | | | | | 51 | 51 | 62 | 50 |
| 50/ 49 | .1 | 3.6 | 2.3 | .4 | | | | | | | | | | | | | | 45 | 45 | 50 | 69 |
| 48/ 47 | .6 | 2.4 | 1.0 | | | | | | | | | | | | | | | 28 | 28 | 54 | 48 |
| 46/ 45 | | 1.4 | .3 | | | | | | | | | | | | | | | 12 | 12 | 30 | 41 |
| 44/ 43 | .1 | 1.1 | .9 | | | | | | | | | | | | | | | 15 | 15 | 19 | 33 |
| 42/ 41 | .1 | 1.0 | .6 | | | | | | | | | | | | | | | 12 | 12 | 13 | 22 |
| 40/ 39 | .3 | .4 | .7 | | | | | | | | | | | | | | | 10 | 10 | 13 | 26 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 6 | 10 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 4 | 4 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 3 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 6 |
| TOTAL | 7.6 | 47.6 | 32.1 | 9.4 | 3.1 | .1 | | | | | | | | | | | | 700 | 703 | 700 | 700 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5110573 | 59481 | 85.0 | 8.978 | 700 | | | | | | | |
| Dry Bulb | 2476914 | 41294 | 58.7 | 8.382 | 703 | | | 17.8 | 4.7 | | | 90 |
| Wet Bulb | 2258532 | 39312 | 56.2 | 8.267 | 700 | | | 10.9 | .3 | | | 90 |
| Dew Point | 2109941 | 37931 | 54.2 | 8.836 | 700 | | .8 | 8.9 | | | | 90 |

USAFETAC FORM 25 54 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 76/ 75 | | .1 | .1 | .3 | | | | | | | | | | | | | | 4 | 4 | | |
| 74/ 73 | | .8 | 1.3 | .1 | | | | | | | | | | | | | | 17 | 17 | 2 | 1 |
| 72/ 71 | | .9 | 2.6 | .1 | | | | | | | | | | | | | | 28 | 28 | 9 | 4 |
| 70/ 69 | .5 | 1.2 | 3.2 | .4 | .4 | | | | | | | | | | | | | 43 | 44 | 35 | 15 |
| 68/ 67 | .4 | 2.2 | 2.5 | .3 | .3 | | | | | | | | | | | | | 43 | 43 | 28 | 36 |
| 66/ 65 | 1.2 | 4.4 | 2.4 | .3 | | | | | | | | | | | | | | 62 | 62 | 57 | 39 |
| 64/ 63 | .5 | 2.0 | .8 | .5 | .3 | | | | | | | | | | | | | 31 | 31 | 51 | 59 |
| 62/ 61 | .4 | 3.2 | 1.2 | .3 | .4 | | | | | | | | | | | | | 41 | 41 | 42 | 35 |
| 60/ 59 | 1.7 | 4.0 | 1.8 | .2 | .1 | | | | | | | | | | | | | 59 | 59 | 52 | 58 |
| 58/ 57 | 1.2 | 5.0 | 1.5 | .4 | | | | | | | | | | | | | | 61 | 61 | 53 | 49 |
| 56/ 55 | .5 | 4.0 | 2.5 | .5 | | | | | | | | | | | | | | 57 | 60 | 57 | 50 |
| 54/ 53 | .5 | 4.2 | 3.7 | .8 | .3 | | | | | | | | | | | | | 72 | 72 | 52 | 45 |
| 52/ 51 | .3 | 4.9 | 2.6 | .7 | | | | | | | | | | | | | | 64 | 64 | 63 | 46 |
| 50/ 49 | .5 | 4.6 | 2.1 | .3 | | | | | | | | | | | | | | 57 | 57 | 77 | 75 |
| 48/ 47 | .4 | 3.8 | 1.2 | .2 | | | | | | | | | | | | | | 40 | 40 | 53 | 64 |
| 46/ 45 | .1 | 2.4 | .3 | | | | | | | | | | | | | | | 21 | 21 | 51 | 57 |
| 44/ 43 | | 1.8 | .5 | | | | | | | | | | | | | | | 18 | 18 | 22 | 30 |
| 42/ 41 | | .8 | .9 | | | | | | | | | | | | | | | 13 | 13 | 14 | 26 |
| 40/ 39 | .5 | 1.3 | .3 | | | | | | | | | | | | | | | 16 | 16 | 16 | 26 |
| 38/ 37 | .1 | .8 | .1 | | | | | | | | | | | | | | | 8 | 8 | 15 | 15 |
| 36/ 35 | | .3 | | | | | | | | | | | | | | | | 2 | 2 | 6 | 15 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 2 | 3 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 9 |
| TOTAL | 9.0 | 52.4 | 31.7 | 5.2 | 1.7 | | | | | | | | | | | | | | 761 | | 757 |
| | | | | | | | | | | | | | | | | | | 757 | | 757 | |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5748838 | 65668 | 86.7 | 8.293 | 757 | | | | | | | |
| Dry Bulb | 2552893 | 43875 | 57.3 | 8.719 | 761 | | | 16.1 | 2.5 | | | 90 |
| Wet Bulb | 2347144 | 41648 | 55.0 | 8.590 | 757 | | | 8.8 | .2 | | | 90 |
| Dew Point | 2213789 | 40353 | 53.3 | 9.106 | 757 | | 1.1 | 6.7 | .1 | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 78/ 77 | | | .1 | .1 | .1 | | | | | | | | | | | | | 3 | 3 | | |
| 76/ 75 | | .1 | .4 | .1 | .1 | | | | | | | | | | | | | 6 | 6 | | |
| 74/ 73 | | .3 | 1.4 | .1 | | | | | | | | | | | | | | 14 | 14 | 2 | |
| 72/ 71 | | 1.3 | 2.4 | .4 | | | | | | | | | | | | | | 32 | 32 | 12 | 4 |
| 70/ 69 | .1 | 2.3 | 3.2 | .3 | | | | | | | | | | | | | | 46 | 46 | 32 | 21 |
| 68/ 67 | .6 | 3.2 | 1.9 | .6 | | | | | | | | | | | | | | 50 | 50 | 41 | 41 |
| 66/ 65 | .5 | 4.8 | 1.9 | .4 | .1 | | | | | | | | | | | | | 61 | 61 | 58 | 46 |
| 64/ 63 | .5 | 2.8 | 1.0 | .4 | .1 | .1 | | | | | | | | | | | | 39 | 39 | 62 | 52 |
| 62/ 61 | .3 | 3.3 | 1.5 | .4 | .1 | | | | | | | | | | | | | 44 | 44 | 40 | 52 |
| 60/ 59 | 2.2 | 3.8 | 1.5 | .6 | .1 | .1 | | | | | | | | | | | | 66 | 67 | 54 | 58 |
| 58/ 57 | .9 | 5.6 | 1.4 | .5 | .3 | .3 | | | | | | | | | | | | 70 | 70 | 60 | 61 |
| 56/ 55 | .8 | 3.9 | 3.6 | .5 | | | | | | | | | | | | | | 69 | 69 | 64 | 49 |
| 54/ 53 | .1 | 4.6 | 3.0 | .6 | .1 | | | | | | | | | | | | | 67 | 67 | 50 | 51 |
| 52/ 51 | .3 | 5.2 | 2.0 | .3 | | | | | | | | | | | | | | 61 | 62 | 77 | 50 |
| 50/ 49 | .5 | 4.6 | 1.9 | .1 | | | | | | | | | | | | | | 56 | 56 | 71 | 77 |
| 48/ 47 | .3 | 3.7 | .4 | .1 | | | | | | | | | | | | | | 35 | 35 | 62 | 69 |
| 46/ 45 | | 3.4 | .8 | | | | | | | | | | | | | | | 33 | 33 | 37 | 42 |
| 44/ 43 | | .6 | .3 | | | | | | | | | | | | | | | 7 | 7 | 27 | 41 |
| 42/ 41 | | .8 | .3 | | | | | | | | | | | | | | | 7 | 7 | 9 | 18 |
| 40/ 39 | | 1.3 | .3 | | | | | | | | | | | | | | | 12 | 12 | 12 | 23 |
| 38/ 37 | | .4 | .3 | | | | | | | | | | | | | | | 5 | 5 | 7 | 11 |
| 36/ 35 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 8 | 10 |
| 34/ 33 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 2 | 5 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 6 |
| TOTAL | 7.0 | 56.3 | 29.5 | 5.6 | 1.1 | .5 | | | | | | | | | | | | 787 | 789 | 787 | 787 |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dat. Hum. | 6023931 | 68509 | 87.1 | 8.749 | 787 | | | | | | | |
| Dry Bulb | 2706262 | 45711 | 57.9 | 8.523 | 789 | | | 17.2 | 2.6 | | | 90 |
| Wet Bulb | 2497471 | 43848 | 55.7 | 8.358 | 787 | | | 9.9 | .2 | | | 90 |
| Dew Point | 2252981 | 42559 | 54.2 | 8.696 | 787 | | .7 | 7.5 | | | | 90 |

USAFETAC FORM 0-26-5 (OL-A) 2-64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 88/ 87 | | | | | | | | .1 | .1 | | | | | | | | | 2 | 2 | | |
| 86/ 85 | | | | | | .1 | .1 | | | | | | | | | | | 4 | 4 | | |
| 84/ 83 | | | | | .5 | .4 | .3 | .1 | | | | | | | | | | 10 | 10 | | |
| 82/ 81 | | | | .4 | .5 | .1 | .1 | | .1 | | | | | | | | | 10 | 10 | | |
| 80/ 79 | | | .1 | .1 | .6 | .3 | .1 | .1 | | | | | | | | | | 12 | 12 | | |
| 78/ 77 | | | .5 | 1.6 | 1.0 | .3 | .1 | | .1 | | | | | | | | | 29 | 29 | | |
| 76/ 75 | | .1 | 1.3 | 1.1 | 1.6 | .9 | .1 | | | | | | | | | | | 41 | 42 | 11 | |
| 74/ 73 | | .1 | 1.4 | 2.4 | .6 | .5 | .4 | .1 | | | | | | | | | | 44 | 44 | 23 | 4 |
| 72/ 71 | | 1.0 | 1.8 | 1.4 | 1.3 | .5 | .6 | .1 | .1 | | | | | | | | | 54 | 54 | 40 | 21 |
| 70/ 69 | | 2.0 | 2.3 | 1.0 | 1.3 | 1.9 | .4 | .3 | | .1 | | | | | | | | 72 | 72 | 45 | 38 |
| 68/ 67 | | 1.8 | 2.0 | 1.6 | 1.9 | .9 | .3 | .1 | | | | | | | | | | 68 | 68 | 64 | 53 |
| 66/ 65 | | 2.3 | 1.5 | 2.3 | 2.0 | .6 | .6 | | | | | | | | | | | 74 | 75 | 51 | 47 |
| 64/ 63 | | 1.6 | .9 | 2.0 | 2.6 | .5 | .3 | | | | | | | | | | | 63 | 63 | 64 | 57 |
| 62/ 61 | 1.0 | 1.8 | 1.0 | 1.6 | 1.4 | .6 | .5 | .1 | | | | | | | | | | 64 | 65 | 56 | 57 |
| 60/ 59 | .6 | 1.8 | 2.4 | 1.9 | 1.5 | .9 | | | | | | | | | | | | 72 | 72 | 85 | 55 |
| 58/ 57 | .3 | 1.4 | 1.9 | 1.4 | .6 | .3 | .1 | | | | | | | | | | | 47 | 48 | 73 | 52 |
| 56/ 55 | .5 | 1.0 | 1.6 | 1.9 | 1.3 | .6 | | | | | | | | | | | | 55 | 55 | 77 | 53 |
| 54/ 53 | | 1.5 | 1.6 | 1.3 | .4 | .3 | | | | | | | | | | | | 40 | 40 | 50 | 64 |
| 52/ 51 | .3 | .6 | 1.1 | .3 | | .3 | | | | | | | | | | | | 19 | 19 | 68 | 58 |
| 50/ 49 | .3 | | .4 | .4 | .3 | .3 | | | | | | | | | | | | 9 | 9 | 39 | 62 |
| 48/ 47 | | | .3 | .1 | .1 | | | | | | | | | | | | | 4 | 4 | 28 | 49 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 10 | 46 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 5 | 27 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 4 | 14 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 16 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 8 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 4 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 6 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 1 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 2.6 | 17.2 | 22.2 | 23.0 | 19.3 | 9.7 | 4.3 | 1.1 | .5 | .2 | | | | | | | | | 797 | | 793 |
| | | | | | | | | | | | | | | | | | | 793 | | 793 | |

| Element (X) | $\Sigma_{X^2}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 92 F | Total |
| Ref. Hum. | 9909660 | 50036 | 73.2 | 10.133 | 793 | | | | | | | |
| Dry Bulb | 3642836 | 51994 | 65.6 | 7.973 | 797 | | | 39.2 | 17.3 | 4.2 | | 90 |
| Wet Bulb | 2887984 | 47484 | 59.9 | 7.581 | 793 | | | 20.8 | 3.9 | | | 90 |
| Dew Point | 2569386 | 44403 | 56.0 | 8.938 | 793 | | .2 | 13.8 | .8 | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 92/ 91 | | | | | | | | | .1 | .1 | | | | | | | | 2 | 2 | | |
| 90/ 89 | | | | | | | | | .6 | .3 | | | | | | | | 7 | 7 | | |
| 88/ 87 | | | | | | | .1 | .5 | .4 | .1 | | | | | | | | 9 | 9 | | |
| 86/ 85 | | | | | | .4 | .5 | .3 | .3 | .3 | | | | | | | | 13 | 13 | | |
| 84/ 83 | | | | .1 | .3 | .8 | .8 | .6 | .1 | | .1 | | | | | | | 22 | 22 | | |
| 82/ 81 | | | | .4 | .6 | .9 | 1.4 | .1 | | | .1 | | | | | | | 28 | 28 | | |
| 80/ 79 | | | .4 | .6 | 1.6 | 1.5 | .3 | .4 | | .4 | | | | | | | | 41 | 41 | | |
| 78/ 77 | | | | .9 | 2.0 | 1.3 | 1.0 | 1.0 | .3 | | .1 | | | | | | | 52 | 52 | 1 | |
| 76/ 75 | | | .3 | 1.4 | 1.1 | .6 | 1.1 | 1.3 | .5 | | .1 | | | | | | | 51 | 51 | 17 | 1 |
| 74/ 73 | | .4 | .1 | 1.8 | 1.6 | 1.6 | 2.4 | .6 | .5 | .1 | | | | | | | | 73 | 73 | 41 | 6 |
| 72/ 71 | | .6 | .9 | 1.4 | 1.0 | 1.6 | 1.6 | .8 | .4 | | | | | | | | | 66 | 66 | 44 | 9 |
| 70/ 69 | | .4 | 1.4 | 1.1 | 1.3 | 1.8 | 2.4 | .6 | .5 | | | | | | | | | 75 | 75 | 65 | 43 |
| 68/ 67 | | 1.3 | 1.6 | .5 | 1.5 | 1.9 | 2.1 | .8 | .1 | .1 | | | | | | | | 79 | 79 | 44 | 45 |
| 66/ 65 | | 1.4 | 1.0 | .6 | 2.1 | 1.4 | 1.3 | .5 | .1 | | | | | | | | | 67 | 67 | 65 | 68 |
| 64/ 63 | .4 | .8 | .3 | .8 | 1.1 | 2.0 | 1.0 | .6 | | | | | | | | | | 55 | 55 | 80 | 57 |
| 62/ 61 | | 1.4 | .3 | .5 | .8 | .8 | .3 | .1 | | | | | | | | | | 32 | 32 | 69 | 57 |
| 60/ 59 | | 1.0 | .4 | 1.1 | 1.1 | .8 | .8 | | | | | | | | | | | 41 | 41 | 70 | 42 |
| 58/ 57 | .3 | .5 | .4 | 1.4 | .9 | .9 | .1 | | | | | | | | | | | 35 | 35 | 83 | 45 |
| 56/ 55 | .4 | .3 | .5 | .8 | .6 | .9 | | | | | | | | | | | | 27 | 27 | 62 | 49 |
| 54/ 53 | .3 | .8 | .3 | .3 | | | .1 | | | | | | | | | | | 13 | 13 | 60 | 64 |
| 52/ 51 | | .3 | | | .2 | .4 | | | | | | | | | | | | 6 | 6 | 36 | 57 |
| 50/ 49 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | 34 | 54 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 13 | 48 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 6 | 45 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 3 | 32 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 2 | 25 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 17 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 15 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 9 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 3 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 2 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 1.3 | 8.4 | 7.7 | 13.1 | 17.4 | 19.4 | 17.2 | 8.2 | 3.4 | 1.4 | .5 | | | | | | | 795 | 795 | 795 | 795 |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 92 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Wet Bulb | 3294627 | 49595 | 62.4 | 15.899 | 795 | | | | | | | |
| Dry Bulb | 3920883 | 55461 | 69.7 | 8.243 | 795 | | | 58.6 | 33.7 | 11.4 | | 90 |
| Wet Bulb | 3091170 | 48822 | 61.4 | 7.351 | 795 | | | 24.6 | 6.7 | | | 90 |
| Dew Point | 2827983 | 44161 | 55.5 | 9.387 | 795 | | .5 | 11.6 | .8 | | | 90 |

FORM AS-4A 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 92/ 91 | | | | | | | | | | .5 | .1 | | | | | | | 5 | 5 | | |
| 90/ 89 | | | | | | | | | .5 | .5 | | | | | | | | 8 | 8 | | |
| 88/ 87 | | | | | | | | .8 | .1 | .3 | .1 | | | | | | | 10 | 10 | | |
| 86/ 85 | | | | | | .6 | .6 | .3 | .4 | .4 | .1 | | | | | | | 19 | 19 | | |
| 84/ 83 | | | | | .1 | .5 | .5 | .5 | | .1 | .3 | | | | | | | 16 | 16 | | |
| 82/ 81 | | | | .3 | .5 | 1.1 | 1.4 | | .4 | | | | | | | | | 28 | 28 | | |
| 80/ 79 | | | | .4 | 1.5 | 1.6 | .5 | .6 | .4 | .5 | | | | | | | | 44 | 44 | | |
| 78/ 77 | | | .1 | 1.0 | 1.8 | .8 | 1.8 | .5 | .8 | .1 | .3 | | | | | | | 56 | 56 | 1 | |
| 76/ 75 | | | .9 | 1.1 | .9 | 1.5 | .8 | .9 | 1.0 | .1 | .3 | | | | | | | 56 | 56 | 12 | |
| 74/ 73 | | .1 | 1.3 | 1.9 | 1.6 | 1.6 | 2.7 | 1.1 | .5 | .1 | | | | | | | | 87 | 87 | 42 | 4 |
| 72/ 71 | | .6 | 1.3 | 1.3 | 1.0 | .8 | 2.0 | .4 | .4 | .4 | | | | | | | | 64 | 64 | 47 | 12 |
| 70/ 69 | | .5 | 1.5 | .5 | 1.5 | 1.6 | 2.4 | .9 | .4 | .3 | | | | | | | | 76 | 76 | 70 | 33 |
| 68/ 67 | .1 | .6 | 1.1 | 1.1 | 1.0 | 2.5 | 1.8 | .9 | .4 | .3 | | | | | | | | 78 | 79 | 56 | 61 |
| 66/ 65 | | .8 | 1.0 | .8 | 1.6 | 1.8 | 1.4 | .6 | .1 | | | | | | | | | 64 | 64 | 71 | 55 |
| 64/ 63 | .5 | .9 | .3 | .3 | 1.0 | .9 | .9 | .8 | | | | | | | | | | 43 | 43 | 66 | 54 |
| 62/ 61 | | .5 | .9 | .3 | .9 | .6 | .5 | .5 | | | | | | | | | | 32 | 32 | 66 | 59 |
| 60/ 59 | | .9 | | 1.3 | .4 | .9 | 1.3 | | | | | | | | | | | 39 | 39 | 79 | 49 |
| 58/ 57 | | .3 | .6 | .6 | .4 | .5 | .3 | | | | | | | | | | | 19 | 19 | 64 | 45 |
| 56/ 55 | .4 | 1.6 | .4 | .9 | | .1 | .1 | | | | | | | | | | | 28 | 28 | 56 | 47 |
| 54/ 53 | | .1 | .6 | .1 | .4 | | .3 | | | | | | | | | | | 13 | 13 | 70 | 55 |
| 52/ 51 | | | .1 | | .1 | .3 | | | | | | | | | | | | 4 | 4 | 31 | 61 |
| 50/ 49 | | | | .1 | | .1 | | | | | | | | | | | | 2 | 2 | 34 | 55 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 15 | 58 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 4 | 32 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 5 | 19 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 1 | 22 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 1 | 18 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 26 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 14 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 8 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 4 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 2 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 2 |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 88 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TOTAL | 1.0 | 6.8 | 9.9 | 11.6 | 15.0 | 18.0 | 19.0 | 8.7 | 5.3 | 3.5 | 1.1 | | | | | | | 791 | 792 | 791 | 791 |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 92 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 3096627 | 47731 | 60.4 | 16.523 | 791 | | | | | | | |
| Dry Bulb | 3986561 | 55805 | 70.5 | 8.308 | 792 | | | 62.3 | 37.4 | 12.3 | | 90 |
| Wet Bulb | 3037810 | 48672 | 61.5 | 7.370 | 791 | | | 25.9 | 6.3 | | | 90 |
| Dew Point | 2988604 | 43828 | 55.4 | 9.691 | 791 | | .9 | 12.8 | .5 | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 88/ 87 | | | | | | | .1 | .1 | | | | | | | | | | 2 | 2 | | | |
| 86/ 85 | | | | | | .1 | .1 | .1 | | | | | | | | | | 4 | 4 | | | |
| 84/ 83 | | | | | | .1 | .1 | .3 | .1 | | | | | | | | | 5 | 5 | | | |
| 82/ 81 | | | | .5 | | 1.0 | .1 | | .1 | | | | | | | | | 14 | 14 | | | |
| 80/ 79 | | | .1 | .1 | .5 | .5 | | | | | | | | | | | | 10 | 10 | | | |
| 78/ 77 | | | .5 | 1.0 | .6 | .6 | .4 | | .1 | | | | | | | | | 26 | 26 | | | |
| 76/ 75 | | | .5 | 1.4 | 1.7 | .5 | .1 | .1 | | .1 | | | | | | | | 35 | 35 | 8 | | |
| 74/ 73 | | .8 | 2.3 | 1.9 | .8 | .4 | .5 | .3 | | | | | | | | | | 54 | 54 | 18 | 6 | |
| 72/ 71 | | .8 | 1.4 | .6 | 1.5 | .8 | .6 | .4 | .3 | | | | | | | | | 50 | 50 | 35 | 12 | |
| 70/ 69 | | 2.3 | 1.9 | 1.3 | 1.5 | .9 | .1 | | | | | | | | | | | 63 | 64 | 51 | 31 | |
| 68/ 67 | | 1.9 | 3.3 | 1.5 | 1.7 | 1.4 | .5 | | .3 | | | | | | | | | 83 | 84 | 58 | 54 | |
| 66/ 65 | .4 | 1.2 | 1.8 | 2.2 | 2.2 | .8 | .3 | .1 | .1 | | | | | | | | | 70 | 70 | 54 | 57 | |
| 64/ 63 | .5 | 1.4 | 2.2 | 1.4 | 1.8 | .9 | .4 | .3 | .1 | | | | | | | | | 70 | 71 | 70 | 46 | |
| 62/ 61 | .8 | 1.3 | 1.5 | 1.9 | 1.9 | .4 | .5 | | | | | | | | | | | 65 | 66 | 65 | 52 | |
| 60/ 59 | .4 | 1.2 | 1.2 | 1.9 | 1.3 | .1 | .6 | | | | | | | | | | | 52 | 52 | 73 | 59 | |
| 58/ 57 | .1 | .6 | 1.3 | .8 | .9 | .6 | .1 | | | | | | | | | | | 35 | 35 | 66 | 63 | |
| 56/ 55 | | 1.9 | 2.7 | 1.0 | .8 | .3 | | | | | | | | | | | | 52 | 52 | 57 | 40 | |
| 54/ 53 | .4 | .6 | 2.4 | .4 | .6 | .3 | | | | | | | | | | | | 37 | 37 | 72 | 45 | |
| 52/ 51 | | .4 | 1.5 | .4 | .5 | | | | | | | | | | | | | 22 | 22 | 38 | 74 | |
| 50/ 49 | | .1 | .5 | .5 | | | | | | | | | | | | | | 12 | 12 | 51 | 51 | |
| 48/ 47 | .1 | .8 | | .6 | .4 | | | | | | | | | | | | | 15 | 15 | 22 | 56 | |
| 46/ 45 | | | | .4 | | | | | | | | | | | | | | 3 | 3 | 23 | 35 | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 11 | 27 | |
| 42/ 41 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 3 | 11 | |
| 40/ 39 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 4 | 19 | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 1 | 24 | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 1 | 6 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 6 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 5 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 2 | |
| TOTAL | 2.7 | 15.2 | 25.5 | 20.4 | 18.7 | 9.7 | 4.9 | 1.7 | 1.2 | .1 | | | | | | | | 781 | 785 | 781 | 781 | |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4242151 | 5448531 | 72.3 | 14.393 | 781 | | | | | | | |
| Dry Bulb | 3366651 | 50991 | 65.0 | 8.273 | 785 | | | 39.9 | 17.2 | 3.7 | | 90 |
| Wet Bulb | 2807129 | 46419 | 59.4 | 7.663 | 781 | | | 19.6 | 3.0 | | | 90 |
| Dew Point | 2450421 | 43219 | 55.3 | 9.390 | 781 | | .8 | 11.9 | .9 | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | SEP MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80/ 79 | | | | .1 | .4 | | | | | | | | | | | | | 4 | 4 | | |
| 78/ 77 | | | | .4 | .5 | | | | | | | | | | | | | 7 | 7 | | |
| 76/ 75 | | | 1.1 | 1.1 | .3 | | | | | | | | | | | | | 18 | 18 | | |
| 74/ 73 | | .3 | 1.3 | 2.1 | .5 | .4 | | | | | | | | | | | | 35 | 35 | 3 | |
| 72/ 71 | | 1.1 | 1.6 | .3 | .7 | | | | | | | | | | | | | 27 | 27 | 27 | 8 |
| 70/ 69 | | 2.1 | 2.7 | .1 | .8 | | | | | | | | | | | | | 43 | 43 | 30 | 18 |
| 68/ 67 | .4 | 2.9 | 2.4 | .8 | .5 | | | | | | | | | | | | | 53 | 53 | 47 | 45 |
| 66/ 65 | .4 | 3.2 | 2.9 | .9 | .8 | .1 | | | | | | | | | | | | 63 | 63 | 53 | 55 |
| 64/ 63 | .7 | 3.8 | 1.6 | 1.3 | .9 | .3 | | | | | | | | | | | | 65 | 65 | 65 | 46 |
| 62/ 61 | 1.3 | 3.3 | 2.0 | 2.3 | .7 | .1 | .1 | | | | | | | | | | | 76 | 76 | 60 | 56 |
| 60/ 59 | 1.2 | 3.4 | 3.3 | 1.7 | .3 | .3 | | | | | | | | | | | | 77 | 78 | 54 | 63 |
| 58/ 57 | .8 | 2.1 | 3.2 | 1.1 | .4 | .3 | | | | | | | | | | | | 57 | 59 | 72 | 50 |
| 56/ 55 | .1 | 1.9 | 2.9 | 1.5 | .4 | | | | | | | | | | | | | 51 | 51 | 67 | 51 |
| 54/ 53 | | 2.3 | 1.6 | 1.1 | .7 | | | | | | | | | | | | | 44 | 44 | 51 | 49 |
| 52/ 51 | | 1.9 | 3.3 | .8 | .3 | | | | | | | | | | | | | 47 | 47 | 56 | 64 |
| 50/ 49 | | 1.6 | 1.3 | .1 | | | | | | | | | | | | | | 24 | 24 | 44 | 55 |
| 48/ 47 | .3 | 1.3 | 1.7 | .4 | | | | | | | | | | | | | | 28 | 28 | 57 | 45 |
| 46/ 45 | | .8 | 1.2 | .2 | | | | | | | | | | | | | | 16 | 16 | 24 | 42 |
| 44/ 43 | .1 | .8 | .4 | .2 | | | | | | | | | | | | | | 11 | 12 | 22 | 32 |
| 42/ 41 | .1 | | .3 | | | | | | | | | | | | | | | 5 | 5 | 13 | 26 |
| 40/ 39 | | | .4 | | | | | | | | | | | | | | | 3 | 3 | 1 | 23 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 5 | 10 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 3 | 7 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 3 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 3 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 5.2 | 33.0 | 35.5 | 16.6 | 8.1 | 1.5 | .1 | | | | | | | | | | | 754 | | 754 | 754 |

| (Degrees (F)) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Dry Bulb | [illegible] | 6120 | 81.2 | 8.0 | 754 | | | 22.2 | 7.6 | .1 | | 90 |
| Wet Bulb | [illegible] | 48798 | 66.6 | 8.2 | 754 | | | 12.8 | .4 | | | 90 |
| Dew Point | [illegible] | 43806 | 61.1 | 8.0 | 754 | | .1 | 5.8 | | | | 90 |

USAFETAC FORM 0-836-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 92/ 91 | | | | | | | | | .0 | .1 | .0 | | | | | | | 7 | 7 | | |
| 90/ 89 | | | | | | | | | .1 | .1 | | | | | | | | 15 | 15 | | |
| 88/ 87 | | | | | | | .0 | .2 | .1 | .0 | .0 | | | | | | | 23 | 23 | | |
| 86/ 85 | | | | | | .2 | .2 | .1 | .1 | .1 | .0 | | | | | | | 40 | 40 | | |
| 84/ 83 | | | | .0 | .1 | .2 | .2 | .2 | .0 | .0 | .0 | | | | | | | 53 | 53 | | |
| 82/ 81 | | | | .2 | .2 | .4 | .4 | .0 | .1 | | .0 | | | | | | | 80 | 80 | | |
| 80/ 79 | | | .1 | .2 | .6 | .5 | .1 | .1 | .0 | .1 | | | | | | | | 111 | 111 | | |
| 78/ 77 | | | .2 | .7 | .8 | .4 | .4 | .2 | .2 | .0 | .0 | | | | | | | 175 | 175 | 2 | |
| 76/ 75 | | .1 | .6 | .9 | .7 | .5 | .3 | .3 | .2 | .0 | .0 | | | | | | | 221 | 222 | 48 | 1 |
| 74/ 73 | | .4 | 1.4 | 1.4 | .7 | .6 | .8 | .3 | .1 | .0 | | | | | | | | 349 | 349 | 133 | 21 |
| 72/ 71 | | .9 | 1.8 | .7 | .7 | .5 | .6 | .2 | .1 | .0 | | | | | | | | 349 | 349 | 229 | 77 |
| 70/ 69 | .1 | 1.5 | 2.3 | .6 | .9 | .8 | .7 | .2 | .1 | .0 | | | | | | | | 450 | 452 | 366 | 216 |
| 68/ 67 | .4 | 2.0 | 2.1 | .9 | .9 | .9 | .6 | .2 | .1 | .0 | | | | | | | | 496 | 498 | 368 | 380 |
| 66/ 65 | .3 | 2.8 | 1.8 | 1.1 | 1.2 | .6 | .5 | .2 | .0 | | | | | | | | | 519 | 520 | 498 | 395 |
| 64/ 63 | .4 | 2.0 | 1.1 | .9 | 1.1 | .6 | .3 | .2 | .0 | | | | | | | | | 410 | 411 | 514 | 417 |
| 62/ 61 | .6 | 2.3 | 1.2 | 1.1 | .8 | .3 | .2 | .1 | | | | | | | | | | 407 | 409 | 453 | 417 |
| 60/ 59 | 1.0 | 2.5 | 1.5 | 1.2 | .6 | .4 | .3 | | | | | | | | | | | 473 | 475 | 527 | 450 |
| 58/ 57 | .4 | 2.5 | 1.6 | .8 | .5 | .3 | .3 | | | | | | | | | | | 382 | 387 | 512 | 399 |
| 56/ 55 | .4 | 2.2 | 2.2 | 1.0 | .4 | .2 | .0 | | | | | | | | | | | 392 | 396 | 503 | 391 |
| 54/ 53 | .2 | 2.3 | 1.9 | .1 | .3 | .3 | .0 | | | | | | | | | | | 341 | 341 | 455 | 417 |
| 52/ 51 | .1 | 2.2 | 1.6 | .3 | .1 | .1 | | | | | | | | | | | | 274 | 275 | 431 | 460 |
| 50/ 49 | .2 | 1.8 | 1.1 | .3 | .0 | .0 | | | | | | | | | | | | 206 | 206 | 400 | 498 |
| 48/ 47 | .2 | 1.4 | .6 | .2 | .1 | | | | | | | | | | | | | 150 | 150 | 304 | 437 |
| 46/ 45 | .0 | 1.0 | .3 | .1 | | | | | | | | | | | | | | 85 | 85 | 185 | 340 |
| 44/ 43 | .0 | .8 | .2 | .0 | | | | | | | | | | | | | | 51 | 52 | 114 | 241 |
| 42/ 41 | .0 | .3 | .3 | | | | | | | | | | | | | | | 38 | 38 | 59 | 164 |
| 40/ 39 | .1 | .4 | .2 | | | | | | | | | | | | | | | 42 | 42 | 87 | 168 |
| 38/ 37 | .0 | .1 | .0 | | | | | | | | | | | | | | | 13 | 13 | 34 | 119 |
| 36/ 35 | | .1 | | | | | | | | | | | | | | | | 5 | 5 | 22 | 69 |
| 34/ 33 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 4 | 33 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 36 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 10 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 2 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)



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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| TOTAL | 4.5 | 29.3 | 24.0 | 13.3 | 10.8 | 7.6 | 5.8 | 2.5 | 1.4 | .7 | .2 | | | | | | | 6158 | 6180 | 6158 | 6158 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_n$ | No. Obs. |
|---|---|---|---|---|---|
| Rel. Hum. | 36983330 | 466718 | 75.8 | 16.173 | 6158 |
| Dry Bulb | 25288778 | 390771 | 63.2 | 9.661 | 6180 |
| Wet Bulb | 21396101 | 359388 | 58.4 | 8.280 | 6158 |
| Dew Point | 19015550 | 337488 | 54.8 | 9.186 | 6158 |

| Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|
| ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| | | 276.6 | 125.2 | 32.5 | | 720 |
| | | 134.0 | 21.4 | | | 720 |
| | 5.6 | 81.3 | 2.6 | | | 720 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-80 (YEARS) OCT (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| ≥ / 69 | | | | .1 | .1 | | | | | | | | | | | | | 3 | 3 | | |
| 68/ 67 | | | .3 | .3 | .3 | .6 | | | | | | | | | | | | 10 | 10 | | |
| 66/ 65 | | .6 | .4 | .6 | .3 | .1 | .4 | | | | | | | | | | | 17 | 18 | 1 | |
| 64/ 63 | | .4 | 1.0 | .3 | .3 | .1 | | | | | | | | | | | | 15 | 16 | 7 | 4 |
| 62/ 61 | .1 | .8 | .8 | 1.5 | .3 | .4 | | | | | | | | | | | | 29 | 30 | 15 | 6 |
| 60/ 59 | .4 | 1.9 | 1.5 | .1 | .6 | .7 | | | | | | | | | | | | 40 | 42 | 25 | 12 |
| 58/ 57 | | 1.4 | 1.3 | .8 | .8 | .3 | | | | | | | | | | | | 33 | 33 | 29 | 23 |
| 56/ 55 | .3 | 1.9 | 1.1 | 1.0 | .6 | .1 | | | | | | | | | | | | 38 | 38 | 32 | 26 |
| 54/ 53 | | .8 | .8 | .7 | .1 | 1.4 | | | | | | | | | | | | 28 | 28 | 31 | 23 |
| 52/ 51 | .8 | 3.1 | 2.6 | .7 | .7 | .4 | | | | | | | | | | | | 60 | 60 | 43 | 39 |
| 50/ 49 | .3 | 1.1 | 3.3 | 1.8 | 1.1 | | | | | | | | | | | | | 55 | 56 | 43 | 31 |
| 48/ 47 | .3 | 1.8 | 4.3 | 1.0 | 1.1 | | | | | | | | | | | | | 61 | 63 | 46 | 29 |
| 46/ 45 | .4 | 3.5 | 2.4 | 1.7 | | | | | | | | | | | | | | 57 | 57 | 48 | 30 |
| 44/ 43 | 1.1 | 2.4 | 1.8 | 1.1 | .4 | | | | | | | | | | | | | 49 | 49 | 92 | 58 |
| 42/ 41 | .7 | 2.9 | 3.3 | .1 | | | | | | | | | | | | | | 51 | 51 | 54 | 52 |
| 40/ 39 | .8 | 2.1 | 2.6 | .4 | | | | | | | | | | | | | | 43 | 43 | 64 | 75 |
| 38/ 37 | .4 | 4.2 | 1.0 | .4 | | | | | | | | | | | | | | 43 | 44 | 43 | 48 |
| 36/ 35 | | 3.1 | 2.1 | | | | | | | | | | | | | | | 37 | 39 | 47 | 47 |
| 34/ 33 | | 1.0 | 1.1 | | | | | | | | | | | | | | | 15 | 15 | 41 | 53 |
| 32/ 31 | .1 | 1.1 | .6 | | | | | | | | | | | | | | | 13 | 13 | 20 | 58 |
| 30/ 29 | | 1.1 | .3 | | | | | | | | | | | | | | | 10 | 10 | 15 | 38 |
| 28/ 27 | | .8 | | | | | | | | | | | | | | | | 6 | 6 | 13 | 20 |
| 26/ 25 | | .6 | | | | | | | | | | | | | | | | 4 | 4 | 6 | 7 |
| 24/ 23 | | .3 | | | | | | | | | | | | | | | | 2 | 2 | 4 | 19 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 19 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 5.6 | 36.9 | 32.7 | 12.7 | 7.4 | 4.2 | .4 | | | | | | | | | | | 719 | 730 | 719 | 719 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4378836 | 55304 | 76.9 | 13.193 | 719 | | | | | | | |
| Dry Bulb | 1731059 | 34863 | 47.8 | 9.523 | 730 | | 4.5 | 1.7 | | | | 93 |
| Wet Bulb | 1466784 | 31858 | 44.3 | 8.782 | 719 | | 7.5 | | | | | 93 |
| Dew Point | 1243688 | 29088 | 40.5 | 9.653 | 719 | | 21.1 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) 2 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 70 / 69 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | |
| 68 / 67 | | | .3 | .3 | .4 | .1 | | | | | | | | | | | | 8 | 8 | | |
| 66 / 65 | | .5 | .3 | .5 | .1 | | .1 | | | | | | | | | | | 12 | 12 | 1 | |
| 64 / 63 | | 1.0 | .9 | .1 | .3 | .1 | | | | | | | | | | | | 19 | 19 | 10 | 2 |
| 62 / 61 | .1 | .5 | .4 | .6 | .4 | .3 | | | | | | | | | | | | 18 | 19 | 10 | 14 |
| 60 / 59 | .3 | 2.3 | 1.4 | .5 | .1 | .5 | | | | | | | | | | | | 40 | 43 | 24 | 7 |
| 58 / 57 | | 2.1 | 1.4 | .4 | .3 | .1 | | | | | | | | | | | | 33 | 34 | 26 | 22 |
| 56 / 55 | .4 | 1.6 | 1.3 | .6 | 1.3 | .3 | .1 | | | | | | | | | | | 43 | 43 | 37 | 32 |
| 54 / 53 | | 1.4 | .9 | .8 | .3 | .9 | .1 | | | | | | | | | | | 34 | 34 | 28 | 27 |
| 52 / 51 | .5 | 2.3 | 2.1 | | .3 | .3 | | | | | | | | | | | | 42 | 44 | 36 | 30 |
| 50 / 49 | .3 | 2.3 | 3.6 | 1.9 | .8 | .1 | | | | | | | | | | | | 70 | 70 | 46 | 32 |
| 48 / 47 | .4 | 1.7 | 2.8 | 2.3 | | | | | | | | | | | | | | 56 | 56 | 54 | 33 |
| 46 / 45 | .6 | 3.6 | 2.7 | .9 | .1 | | | | | | | | | | | | | 62 | 62 | 60 | 41 |
| 44 / 43 | .9 | 2.8 | 2.8 | 1.3 | | | | | | | | | | | | | | 61 | 61 | 73 | 51 |
| 42 / 41 | 1.0 | 4.3 | 2.8 | .6 | | | | | | | | | | | | | | 68 | 68 | 76 | 64 |
| 40 / 39 | .5 | 2.8 | 2.3 | .5 | | | | | | | | | | | | | | 48 | 48 | 66 | 58 |
| 38 / 37 | .1 | 2.7 | 1.9 | .3 | | | | | | | | | | | | | | 39 | 40 | 58 | 61 |
| 36 / 35 | .1 | 3.7 | 1.6 | | | | | | | | | | | | | | | 42 | 44 | 38 | 54 |
| 34 / 33 | .1 | 3.1 | .8 | | | | | | | | | | | | | | | 31 | 31 | 50 | 59 |
| 32 / 31 | .1 | 1.2 | 1.0 | | | | | | | | | | | | | | | 18 | 18 | 35 | 65 |
| 30 / 29 | | 1.4 | .4 | | | | | | | | | | | | | | | 14 | 14 | 13 | 44 |
| 28 / 27 | | 1.2 | | | | | | | | | | | | | | | | 9 | 9 | 15 | 24 |
| 26 / 25 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 13 | 16 |
| 24 / 23 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 2 | 9 |
| 22 / 21 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 2 | 19 |
| 20 / 19 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 8 |
| 18 / 17 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 5.8 | 43.2 | 31.8 | 11.8 | 4.4 | 2.7 | .4 | | | | | | | | | | | | 784 | | 774 |
| | | | | | | | | | | | | | | | | | | 774 | | 774 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4998541 | 61125 | 79.0 | 12.528 | 774 | | | | | | | |
| Dry Bulb | 1772378 | 36531 | 46.6 | 9.424 | 784 | | 5.6 | 1.1 | | | | 93 |
| Wet Bulb | 1529819 | 33719 | 43.6 | 8.873 | 774 | | 9.7 | | | | | 93 |
| Dew Point | 1317414 | 31029 | 40.1 | 9.777 | 774 | | 22.5 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | OCT MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 71/ 69 | | | .1 | | .1 | | | | | | | | | | | | | 2 | 2 | | |
| 68/ 67 | | | .5 | | .2 | | | | | | | | | | | | | 6 | 6 | | |
| 66/ 65 | | .6 | .4 | .5 | | | | | | | | | | | | | | 12 | 12 | 3 | |
| 64/ 63 | | 1.0 | .5 | .4 | | | | | | | | | | | | | | 15 | 15 | 11 | 5 |
| 62/ 61 | | 1.0 | .6 | .2 | .1 | .1 | | | | | | | | | | | | 17 | 17 | 9 | 14 |
| 60/ 59 | .7 | 1.6 | .6 | .6 | .4 | | | | | | | | | | | | | 32 | 32 | 26 | 10 |
| 58/ 57 | .5 | 1.5 | 1.1 | .2 | .5 | .2 | | | | | | | | | | | | 33 | 33 | 23 | 26 |
| 56/ 55 | .5 | 2.4 | .6 | 1.0 | .6 | .4 | | | | | | | | | | | | 47 | 47 | 27 | 26 |
| 54/ 53 | .5 | 2.1 | 1.1 | 1.1 | .6 | .6 | | | | | | | | | | | | 49 | 49 | 44 | 28 |
| 52/ 51 | .5 | 1.3 | 1.9 | .5 | .1 | .4 | | | | | | | | | | | | 39 | 39 | 31 | 32 |
| 50/ 49 | .4 | 2.5 | 2.5 | 1.5 | .5 | | | | | | | | | | | | | 61 | 61 | 40 | 32 |
| 48/ 47 | .4 | 3.9 | 2.4 | 1.3 | | | | | | | | | | | | | | 66 | 66 | 53 | 32 |
| 46/ 45 | .5 | 3.9 | 2.2 | 1.2 | | | | | | | | | | | | | | 64 | 64 | 85 | 34 |
| 44/ 43 | 1.1 | 4.0 | 4.1 | 1.2 | | | | | | | | | | | | | | 86 | 86 | 67 | 81 |
| 42/ 41 | .1 | 3.8 | 3.5 | .6 | | | | | | | | | | | | | | 66 | 67 | 73 | 50 |
| 40/ 39 | .6 | 2.9 | 2.1 | .1 | | | | | | | | | | | | | | 49 | 49 | 87 | 59 |
| 38/ 37 | 1.1 | 2.9 | 2.4 | .5 | | | | | | | | | | | | | | 57 | 57 | 68 | 72 |
| 36/ 35 | .1 | 2.1 | 1.1 | .1 | | | | | | | | | | | | | | 28 | 28 | 39 | 69 |
| 34/ 33 | .1 | 4.2 | .1 | | | | | | | | | | | | | | | 37 | 37 | 46 | 61 |
| 32/ 31 | .5 | 1.8 | .8 | | | | | | | | | | | | | | | 26 | 26 | 39 | 74 |
| 30/ 29 | .1 | 1.8 | .1 | | | | | | | | | | | | | | | 15 | 15 | 18 | 33 |
| 28/ 27 | | 1.5 | | | | | | | | | | | | | | | | 12 | 12 | 19 | 28 |
| 26/ 25 | | .5 | | | | | | | | | | | | | | | | 4 | 4 | 11 | 19 |
| 24/ 23 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 4 | 16 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 2 | 13 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 9 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 7.9 | 47.2 | 28.6 | 11.0 | 3.4 | 1.7 | | | | | | | | | | | | | 826 | | 825 |
| | | | | | | | | | | | | | | | | | | 825 | | 825 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Hours No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5453596 | 66342 | 80.5 | 12.009 | 825 | | | | | | | |
| Dry Bulb | 1816670 | 37986 | 46.0 | 9.191 | 826 | | 6.4 | .9 | | | | 93 |
| Wet Bulb | 1608694 | 35690 | 43.3 | 8.824 | 825 | | 10.8 | | | | | 93 |
| Dew Point | 1482454 | 33050 | 40.1 | 9.758 | 825 | | 21.9 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 74/ 73 | | | | | .1 | .2 | | | | | | | | | | | | 3 | 3 | | |
| 72/ 71 | | | | .6 | .7 | | | | | | | | | | | | | 11 | 11 | | |
| 70/ 69 | | | .6 | .7 | 1.1 | .5 | .2 | .1 | | .1 | | | | | | | | 28 | 28 | | |
| 68/ 67 | | | 1.0 | .2 | .4 | .2 | .5 | | | | | | | | | | | 19 | 19 | 2 | |
| 66/ 65 | | .4 | 1.0 | .7 | .9 | .4 | .7 | .1 | | | | | | | | | | 34 | 34 | 17 | 1 |
| 64/ 63 | | 1.0 | .1 | .7 | .9 | 1.0 | .6 | .2 | .1 | | | | | | | | | 38 | 38 | 21 | 13 |
| 62/ 61 | .2 | .4 | .9 | .7 | .7 | .6 | .4 | | | | | | | | | | | 32 | 33 | 27 | 22 |
| 60/ 59 | .1 | 1.6 | .4 | 1.0 | 1.0 | 2.0 | .4 | | | | | | | | | | | 52 | 52 | 26 | 18 |
| 58/ 57 | .2 | 1.0 | .5 | 1.8 | 1.1 | 1.0 | .1 | | | | | | | | | | | 47 | 47 | 36 | 34 |
| 56/ 55 | .1 | 1.6 | .6 | 2.0 | 2.0 | 1.1 | | | | | | | | | | | | 60 | 60 | 36 | 22 |
| 54/ 53 | .4 | 1.5 | 1.2 | 2.7 | 1.7 | 1.0 | .1 | | | | | | | | | | | 70 | 70 | 50 | 30 |
| 52/ 51 | .1 | .6 | 2.3 | 1.8 | 1.5 | .6 | .1 | | | | | | | | | | | 58 | 58 | 51 | 26 |
| 50/ 49 | | 1.7 | 2.7 | 2.0 | 1.7 | .2 | | | | | | | | | | | | 68 | 68 | 66 | 31 |
| 48/ 47 | .1 | 2.0 | 2.2 | 1.8 | 1.6 | .1 | | | | | | | | | | | | 64 | 64 | 89 | 41 |
| 46/ 45 | | 3.4 | 1.5 | 2.0 | .4 | | | | | | | | | | | | | 59 | 59 | 81 | 61 |
| 44/ 43 | .7 | 1.1 | 1.7 | 2.2 | .6 | | | | | | | | | | | | | 52 | 52 | 82 | 84 |
| 42/ 41 | | 1.2 | 1.3 | 1.8 | .4 | | | | | | | | | | | | | 39 | 39 | 50 | 60 |
| 40/ 39 | .2 | 1.5 | 1.3 | .7 | .1 | | | | | | | | | | | | | 32 | 32 | 58 | 69 |
| 38/ 37 | | .5 | 1.1 | .6 | | | | | | | | | | | | | | 18 | 18 | 45 | 51 |
| 36/ 35 | | .6 | 1.2 | .1 | | | | | | | | | | | | | | 16 | 16 | 29 | 54 |
| 34/ 33 | | .4 | .7 | | | | | | | | | | | | | | | 9 | 9 | 23 | 50 |
| 32/ 31 | | .4 | .2 | | | | | | | | | | | | | | | 5 | 5 | 17 | 55 |
| 30/ 29 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 8 | 29 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 1 | 25 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 22 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 7 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 7 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 2 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 2.3 | 20.7 | 22.8 | 24.4 | 16.8 | 9.0 | 3.2 | .5 | .1 | .1 | | | | | | | | | 816 | | 815 |
| | | | | | | | | | | | | | | | | | | 815 | | 815 | |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4118262 | 56570 | 69.4 | 15.349 | 815 | | | | | | | |
| Dry Bulb | 2306724 | 42734 | 52.4 | 9.184 | 816 | | .7 | 7.0 | .3 | | | 93 |
| Wet Bulb | 1883185 | 38577 | 47.3 | 8.382 | 815 | | 3.0 | .2 | | | | 93 |
| Dew Point | 1519156 | 34270 | 42.0 | 9.797 | 815 | | 16.9 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80/ 79 | | | | | | | | .1 | | | | | | | | | | 1 | 1 | | |
| 78/ 77 | | | | | .1 | .1 | .4 | .4 | | | | | | | | | | 8 | 8 | | |
| 76/ 75 | | | | | .4 | .6 | .6 | .1 | .2 | .4 | | | | | | | | 19 | 19 | | |
| 74/ 73 | | | | .1 | .7 | 1.2 | .7 | .6 | .1 | | | | | | | | | 29 | 29 | | |
| 72/ 71 | | | | .2 | 1.0 | .9 | .7 | .9 | .7 | | | | | | | | | 36 | 36 | | |
| 70/ 69 | | | .4 | .4 | .9 | .5 | 1.2 | 1.3 | .7 | | | | | | | | | 44 | 44 | 1 | |
| 68/ 67 | | .1 | | .1 | .6 | 1.0 | 1.9 | .9 | .5 | | | | | | | | | 42 | 42 | 7 | |
| 66/ 65 | | .4 | .1 | .6 | .5 | .6 | 1.6 | .5 | .2 | | | | | | | | | 37 | 37 | 29 | 3 |
| 64/ 63 | | .7 | .4 | .5 | .5 | 1.8 | 1.8 | .9 | .2 | | | | | | | | | 56 | 56 | 30 | 7 |
| 62/ 61 | | .5 | .1 | .7 | 1.3 | 1.6 | 1.0 | 1.3 | | | | | | | | | | 54 | 54 | 32 | 19 |
| 60/ 59 | | .5 | .7 | .5 | .7 | 1.2 | 1.0 | .1 | | | | | | | | | | 39 | 39 | 32 | 23 |
| 58/ 57 | | .7 | .1 | .4 | 2.1 | 2.4 | 1.0 | .1 | | | | | | | | | | 56 | 56 | 44 | 33 |
| 56/ 55 | | 1.0 | .1 | 1.0 | 2.9 | 1.8 | 1.5 | | | | | | | | | | | 68 | 68 | 63 | 25 |
| 54/ 53 | | .9 | .5 | 1.5 | 1.9 | 1.1 | .2 | | | | | | | | | | | 50 | 50 | 68 | 22 |
| 52/ 51 | | .9 | 1.2 | 1.5 | 1.6 | 1.2 | | | | | | | | | | | | 52 | 52 | 46 | 33 |
| 50/ 49 | .2 | 1.5 | 1.1 | 1.5 | 1.5 | .9 | | | | | | | | | | | | 54 | 54 | 86 | 40 |
| 48/ 47 | | .7 | .5 | 1.0 | 2.2 | .7 | | | | | | | | | | | | 42 | 42 | 94 | 50 |
| 46/ 45 | | 1.3 | .9 | 1.2 | 1.6 | .4 | | | | | | | | | | | | 44 | 44 | 59 | 50 |
| 44/ 43 | .2 | .9 | .2 | 1.1 | .7 | .2 | | | | | | | | | | | | 28 | 28 | 65 | 78 |
| 42/ 41 | | .7 | .4 | 1.5 | .9 | | | | | | | | | | | | | 28 | 28 | 36 | 57 |
| 40/ 39 | .2 | .6 | .4 | .5 | | | | | | | | | | | | | | 14 | 14 | 45 | 78 |
| 38/ 37 | | .5 | .5 | .6 | | | | | | | | | | | | | | 13 | 14 | 36 | 60 |
| 36/ 35 | | .4 | .2 | .1 | | | | | | | | | | | | | | 6 | 6 | 27 | 43 |
| 34/ 33 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 15 | 47 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 4 | 58 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 2 | 30 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 23 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 22 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 13 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 4 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 2 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .7 | 12.2 | 7.9 | 14.9 | 22.0 | 18.3 | 13.6 | 7.2 | 2.8 | .4 | | | | | | | | 821 | 822 | 821 | 821 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 90 F | ≥ 92 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 3054740 | 48236 | 58.8 | 16.399 | 821 | | | | | | | |
| Dry Bulb | 2780197 | 47088 | 57.3 | 18.062 | 822 | | | 20.3 | 6.4 | | | 93 |
| Wet Bulb | 2079036 | 40746 | 49.6 | 8.328 | 821 | | .7 | .9 | | | | 93 |
| Dew Point | 1526830 | 34506 | 42.0 | 9.784 | 821 | | 17.3 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725296 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] / 79 | | | | | | .1 | | .1 | | | | | | | | | | 2 | 2 | | |
| 78 / 77 | | | | | | | .6 | .5 | | | | | | | | | | 9 | 9 | | |
| 76 / 75 | | | | | .9 | .5 | 1.0 | .5 | .2 | .5 | | | | | | | | 29 | 29 | | |
| 74 / 73 | | | | | .7 | 1.3 | .7 | .4 | .2 | | | | | | | | | 28 | 28 | | |
| 72 / 71 | | | | | .4 | .6 | .9 | 1.0 | 1.1 | | | | | | | | | 32 | 32 | | |
| [illegible] / 69 | | | | .4 | .6 | .4 | 1.1 | 1.3 | .7 | .2 | | | | | | | | 39 | 39 | 3 | |
| 68 / 67 | | | .2 | .4 | .1 | .9 | .9 | .9 | .6 | | | | | | | | | 32 | 32 | 5 | |
| 66 / 65 | | .6 | .5 | .5 | .4 | 1.2 | 1.5 | .9 | .7 | .1 | | | | | | | | 52 | 52 | 22 | 4 |
| 64 / 63 | | .2 | .6 | .2 | .1 | 1.5 | 2.1 | 1.1 | .5 | | | | | | | | | 52 | 52 | 36 | 6 |
| 62 / 61 | | 1.1 | .5 | .9 | .2 | 1.3 | 1.6 | .9 | | | | | | | | | | 53 | 53 | 30 | 12 |
| 60 / 59 | | .7 | .7 | .7 | .7 | 2.0 | 2.0 | .4 | | | | | | | | | | 59 | 59 | 37 | 22 |
| 58 / 57 | | | .1 | .2 | 2.1 | 1.6 | 1.5 | .4 | | | | | | | | | | 48 | 48 | 41 | 40 |
| 56 / 55 | | .6 | .2 | .4 | 2.2 | 1.1 | 1.0 | .1 | | | | | | | | | | 46 | 46 | 64 | 27 |
| 54 / 53 | | 1.2 | .6 | 1.3 | 1.3 | 1.0 | .9 | | | | | | | | | | | 52 | 52 | 49 | 16 |
| 52 / 51 | | .9 | .9 | 1.6 | 1.8 | 2.0 | | | | | | | | | | | | 58 | 58 | 66 | 40 |
| 50 / 49 | .4 | 1.3 | 1.6 | 1.5 | .9 | .9 | | | | | | | | | | | | 53 | 53 | 80 | 31 |
| 48 / 47 | | .1 | 1.3 | .7 | 2.2 | .4 | | | | | | | | | | | | 39 | 40 | 87 | 36 |
| 46 / 45 | | .5 | 1.0 | 1.6 | 1.3 | .2 | | | | | | | | | | | | 38 | 38 | 61 | 48 |
| 44 / 43 | .1 | .6 | .6 | 1.0 | 1.1 | .1 | | | | | | | | | | | | 29 | 29 | 56 | 57 |
| 42 / 41 | .1 | .6 | 1.3 | .5 | 1.3 | | | | | | | | | | | | | 32 | 32 | 45 | 71 |
| 40 / 39 | .2 | .2 | .4 | .4 | .2 | | | | | | | | | | | | | 12 | 12 | 51 | 90 |
| 38 / 37 | .1 | .4 | .5 | .6 | | | | | | | | | | | | | | 13 | 13 | 34 | 60 |
| 36 / 35 | | .5 | .2 | .2 | | | | | | | | | | | | | | 8 | 8 | 24 | 37 |
| 34 / 33 | | | .2 | | | | | | | | | | | | | | | 2 | 2 | 16 | 56 |
| 32 / 31 | | | | | | | | | | | | | | | | | | | | 6 | 51 |
| 30 / 29 | | | | | | | | | | | | | | | | | | | | 4 | 39 |
| 28 / 27 | | | | | | | | | | | | | | | | | | | | | 23 |
| 26 / 25 | | | | | | | | | | | | | | | | | | | | | 22 |
| 24 / 23 | | | | | | | | | | | | | | | | | | | | | 15 |
| 22 / 21 | | | | | | | | | | | | | | | | | | | | | 9 |
| 20 / 19 | | | | | | | | | | | | | | | | | | | | | 5 |
| TOTAL | 1.0 | 9.7 | 11.6 | 13.1 | 18.7 | 17.0 | 15.5 | 8.3 | 4.2 | .9 | | | | | | | | | 818 | | 817 |
| | | | | | | | | | | | | | | | | | | 817 | | 817 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 92 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 2926803 | 46903 | 57.4 | 16.940 | 817 | | | | | | | |
| Dry Bulb | 2783289 | 46971 | 57.4 | 10.256 | 818 | | | 19.4 | 7.7 | | | 93 |
| Wet Bulb | 2054690 | 40392 | 49.4 | 8.411 | 817 | | 1.1 | .9 | | | | 93 |
| Dew Point | 1482706 | 33842 | 41.4 | 9.957 | 817 | | 18.7 | | | | | 93 |

USAFETAC FORM AS 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 74/ 73 | | | | .4 | | .2 | | .1 | | | | | | | | | | 6 | 6 | | |
| 72/ 71 | | | | .4 | .7 | .1 | .2 | | | | | | | | | | | 12 | 13 | | |
| 70/ 69 | | | | .4 | .9 | .2 | .2 | .1 | | | | | | | | | | 15 | 16 | | |
| 68/ 67 | | .1 | .6 | .9 | .9 | .2 | .6 | .2 | .1 | | | | | | | | | 30 | 32 | 6 | 1 |
| 66/ 65 | | | .7 | .5 | .1 | .9 | .5 | .2 | | | | | | | | | | 24 | 25 | 7 | 1 |
| 64/ 63 | | .6 | .1 | .6 | 1.1 | .7 | .6 | | | | | | | | | | | 31 | 33 | 14 | 8 |
| 62/ 61 | | .6 | .7 | | .7 | .6 | 1.1 | .1 | | | | | | | | | | 32 | 34 | 33 | 1 |
| 60/ 59 | | 1.2 | .9 | 1.1 | 1.4 | 1.2 | 1.1 | | | | | | | | | | | 56 | 56 | 19 | 22 |
| 58/ 57 | .1 | 1.4 | 1.2 | .9 | 1.7 | 1.0 | .6 | | | | | | | | | | | 56 | 58 | 26 | 32 |
| 56/ 55 | | 1.4 | .4 | .9 | 1.9 | .7 | .9 | | | | | | | | | | | 49 | 49 | 45 | 29 |
| 54/ 53 | .1 | .7 | .9 | 2.2 | .9 | .9 | .2 | | | | | | | | | | | 48 | 49 | 47 | 23 |
| 52/ 51 | | 1.1 | 1.7 | 2.5 | 1.4 | 1.2 | .1 | | | | | | | | | | | 65 | 66 | 42 | 21 |
| 50/ 49 | .4 | 1.4 | 2.6 | 3.6 | 1.0 | .9 | | | | | | | | | | | | 81 | 81 | 59 | 33 |
| 48/ 47 | .4 | 1.7 | 2.0 | 2.6 | .9 | | | | | | | | | | | | | 63 | 63 | 81 | 36 |
| 46/ 45 | | 1.0 | 2.6 | 3.3 | .5 | | | | | | | | | | | | | 60 | 60 | 81 | 44 |
| 44/ 43 | | 1.2 | 1.4 | 1.6 | .5 | | | | | | | | | | | | | 38 | 38 | 79 | 63 |
| 42/ 41 | .4 | .7 | 1.9 | .9 | | | | | | | | | | | | | | 31 | 31 | 74 | 63 |
| 40/ 39 | .6 | .7 | 2.2 | 1.2 | | | | | | | | | | | | | | 39 | 39 | 55 | 79 |
| 38/ 37 | .7 | .4 | 1.1 | .6 | | | | | | | | | | | | | | 23 | 23 | 51 | 69 |
| 36/ 35 | .2 | .4 | 1.7 | .6 | | | | | | | | | | | | | | 24 | 24 | 19 | 68 |
| 34/ 33 | | .4 | 1.4 | .1 | | | | | | | | | | | | | | 15 | 15 | 24 | 53 |
| 32/ 31 | | .1 | .5 | | | | | | | | | | | | | | | 5 | 5 | 20 | 40 |
| 30/ 29 | .1 | .7 | | | | | | | | | | | | | | | | 7 | 7 | 19 | 39 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 9 | 29 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 28 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 13 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 9 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 6 |
| TOTAL | 3.1 | 15.9 | 24.6 | 25.4 | 14.4 | 9.0 | 6.3 | .9 | .1 | | | | | | | | | 810 | 823 | 810 | 810 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 3878348 | 54714 | 67.5 | 15.020 | 810 | | | | | | | |
| Dry Bulb | 2288575 | 42667 | 51.8 | 9.652 | 823 | | 1.4 | 7.6 | .7 | | | 93 |
| Wet Bulb | 1908684 | 37562 | 46.4 | 8.521 | 810 | | 5.8 | .7 | | | | 93 |
| Dew Point | 1415087 | 32929 | 40.7 | 9.717 | 810 | | 18.8 | .1 | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72/ 71 | | | | | .1 | .3 | .1 | | | | | | | | | | | 4 | 4 | | |
| 70/ 69 | | | .4 | .1 | | .1 | .3 | | | | | | | | | | | 7 | 9 | | |
| 68/ 67 | | .4 | .1 | .6 | .3 | .4 | .1 | | | | | | | | | | | 15 | 16 | | |
| 66/ 65 | | .1 | .4 | .9 | .3 | .3 | .4 | .1 | | | | | | | | | | 19 | 21 | 6 | |
| 64/ 63 | | .6 | .5 | 1.0 | .4 | | .3 | | | | | | | | | | | 22 | 23 | 9 | 6 |
| 62/ 61 | | 1.0 | .4 | .5 | .9 | .3 | .4 | | | | | | | | | | | 27 | 28 | 15 | 6 |
| 60/ 59 | | 1.0 | 1.3 | .5 | 1.0 | 1.2 | .1 | | | | | | | | | | | 40 | 44 | 24 | 13 |
| 58/ 57 | | .6 | 1.6 | .9 | .8 | .4 | .5 | | | | | | | | | | | 37 | 38 | 26 | 23 |
| 56/ 55 | .3 | 1.9 | .6 | 1.3 | .5 | .3 | | | | | | | | | | | | 38 | 38 | 37 | 17 |
| 54/ 53 | .3 | 1.0 | .8 | 2.8 | .9 | 1.4 | | | | | | | | | | | | 56 | 56 | 38 | 37 |
| 52/ 51 | | 1.4 | 3.1 | 1.3 | .6 | .4 | | | | | | | | | | | | 53 | 54 | 31 | 30 |
| 50/ 49 | .1 | 1.6 | 3.5 | 2.7 | .4 | .4 | | | | | | | | | | | | 67 | 69 | 47 | 24 |
| 48/ 47 | | 1.8 | 3.6 | 2.3 | .8 | | | | | | | | | | | | | 66 | 66 | 74 | 28 |
| 46/ 45 | .5 | 2.8 | 3.0 | 2.2 | 1.0 | | | | | | | | | | | | | 74 | 74 | 72 | 47 |
| 44/ 43 | .4 | 3.8 | 2.8 | .9 | .4 | | | | | | | | | | | | | 64 | 64 | 92 | 59 |
| 42/ 41 | .5 | .3 | 2.8 | .8 | | | | | | | | | | | | | | 34 | 34 | 68 | 73 |
| 40/ 39 | .3 | 3.0 | 2.6 | .4 | | | | | | | | | | | | | | 48 | 48 | 52 | 86 |
| 38/ 37 | .4 | .5 | 2.8 | .4 | | | | | | | | | | | | | | 32 | 32 | 68 | 37 |
| 36/ 35 | .4 | 1.0 | 1.2 | .3 | | | | | | | | | | | | | | 22 | 22 | 22 | 59 |
| 34/ 33 | .1 | .6 | 1.8 | .1 | | | | | | | | | | | | | | 21 | 21 | 34 | 67 |
| 32/ 31 | .5 | .6 | .9 | | | | | | | | | | | | | | | 16 | 16 | 23 | 54 |
| 30/ 29 | .1 | .5 | | | | | | | | | | | | | | | | 5 | 5 | 24 | 36 |
| 28/ 27 | .1 | .3 | | | | | | | | | | | | | | | | 3 | 3 | 6 | 20 |
| 26/ 25 | .1 | .1 | | | | | | | | | | | | | | | | 2 | 2 | 3 | 20 |
| 24/ 23 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 2 | 17 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 10 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 4 |
| TOTAL | 4.3 | 25.2 | 34.3 | 20.2 | 8.4 | 5.3 | 2.2 | .1 | | | | | | | | | | | 788 | | 773 |
| | | | | | | | | | | | | | | | | | | 773 | | 773 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 4312009 | 56733 | 73.4 | 13.858 | 773 | | | | | | | |
| Dry Bulb | 1973868 | 38738 | 49.2 | 9.398 | 788 | | 3.2 | 3.4 | | | | 93 |
| Wet Bulb | 1611572 | 34688 | 44.9 | 8.452 | 773 | | 7.0 | | | | | 93 |
| Dew Point | 1326459 | 31189 | 40.3 | 9.388 | 773 | | 19.4 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | OCT MONTH



ALL HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 80/ 79 | | | | | | .0 | | .0 | | | | | | | | | | 3 | 3 | | |
| 78/ 77 | | | | | .0 | .0 | .1 | .1 | | | | | | | | | | 17 | 17 | | |
| 76/ 75 | | | | | .2 | .1 | .2 | .1 | .1 | .1 | | | | | | | | 48 | 48 | | |
| 74/ 73 | | | | .1 | .2 | .4 | .2 | .1 | .0 | | | | | | | | | 66 | 66 | | |
| 72/ 71 | | | | .2 | .4 | .2 | .3 | .2 | .2 | | | | | | | | | 95 | 96 | | |
| 70/ 69 | | | .2 | .3 | .5 | .2 | .4 | .4 | .2 | .0 | | | | | | | | 139 | 142 | 4 | |
| 68/ 67 | | .1 | .4 | .3 | .4 | .4 | .5 | .3 | .2 | | | | | | | | | 162 | 165 | 20 | 1 |
| 66/ 65 | | .4 | .5 | .6 | .3 | .4 | .7 | .2 | .1 | .0 | | | | | | | | 207 | 211 | 86 | 9 |
| 64/ 63 | | .7 | .5 | .5 | .4 | .7 | .7 | .3 | .1 | | | | | | | | | 248 | 252 | 138 | 51 |
| 62/ 61 | .1 | .7 | .6 | .6 | .6 | .7 | .6 | .3 | | | | | | | | | | 262 | 268 | 171 | 94 |
| 60/ 59 | .2 | 1.4 | .9 | .6 | .8 | 1.1 | .6 | .1 | | | | | | | | | | 358 | 367 | 213 | 127 |
| 58/ 57 | .1 | 1.1 | .9 | .7 | 1.2 | .9 | .5 | .1 | | | | | | | | | | 343 | 347 | 251 | 233 |
| 56/ 55 | .2 | 1.5 | .6 | 1.0 | 1.6 | .7 | .4 | .0 | | | | | | | | | | 389 | 389 | 341 | 204 |
| 54/ 53 | .2 | 1.2 | .8 | 1.7 | 1.0 | 1.0 | .2 | | | | | | | | | | | 387 | 388 | 355 | 206 |
| 52/ 51 | .2 | 1.4 | 2.0 | 1.2 | 1.0 | .8 | .0 | | | | | | | | | | | 427 | 431 | 346 | 251 |
| 50/ 49 | .3 | 1.7 | 2.6 | 2.0 | 1.0 | .4 | | | | | | | | | | | | 509 | 512 | 467 | 254 |
| 48/ 47 | .2 | 1.7 | 2.4 | 1.7 | 1.1 | .2 | | | | | | | | | | | | 457 | 460 | 578 | 285 |
| 46/ 45 | .1 | 2.5 | 2.0 | 1.8 | .6 | .1 | | | | | | | | | | | | 458 | 458 | 547 | 355 |
| 44/ 43 | .6 | 2.1 | 1.9 | 1.3 | .5 | .0 | | | | | | | | | | | | 407 | 407 | 606 | 531 |
| 42/ 41 | .3 | 1.6 | 2.2 | .9 | .3 | | | | | | | | | | | | | 349 | 350 | 476 | 490 |
| 40/ 39 | .5 | 1.7 | 1.7 | .5 | .0 | | | | | | | | | | | | | 285 | 285 | 478 | 594 |
| 38/ 37 | .4 | 1.5 | 1.4 | .5 | | | | | | | | | | | | | | 238 | 241 | 403 | 458 |
| 36/ 35 | .1 | 1.4 | 1.1 | .2 | | | | | | | | | | | | | | 183 | 187 | 245 | 431 |
| 34/ 33 | .0 | 1.2 | .6 | .0 | | | | | | | | | | | | | | 131 | 131 | 249 | 446 |
| 32/ 31 | .2 | .6 | .5 | | | | | | | | | | | | | | | 83 | 83 | 164 | 455 |
| 30/ 29 | .0 | .7 | .1 | | | | | | | | | | | | | | | 52 | 52 | 103 | 288 |
| 28/ 27 | .3 | .5 | | | | | | | | | | | | | | | | 30 | 30 | 63 | 192 |
| 26/ 25 | .0 | .2 | | | | | | | | | | | | | | | | 13 | 13 | 33 | 156 |
| 24/ 23 | .0 | .1 | | | | | | | | | | | | | | | | 6 | 6 | 12 | 109 |
| 22/ 21 | .0 | | | | | | | | | | | | | | | | | 1 | 1 | 4 | 90 |
| 20/ 19 | .0 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 38 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 6 |
| TOTAL | 3.6 | 26.1 | 24.1 | 16.7 | 12.1 | 8.5 | 5.3 | 2.2 | .9 | .2 | | | | | | | | 6354 | 6407 | 6354 | 6354 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 33071135 | 445929 | 70.2 | 16.717 | 6354 | | | | | | | |
| Dry Bulb | 17492766 | 327584 | 51.1 | 10.481 | 6407 | | 21.6 | 62.4 | 15.6 | | | 744 |
| Wet Bulb | 14034416 | 293234 | 46.1 | 8.888 | 6354 | | 44.8 | 2.8 | | | | 744 |
| Dew Point | 11235768 | 259898 | 40.9 | 9.760 | 6354 | | 186.2 | .1 | | | | 744 |

USAFETAC FORM 0-26-5 (OL A) 80-4 OBSOLETE PREVIOUS EDITIONS OF THIS FORM ARE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-80 YEARS | NOV MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | |
| 68/ 67 | | | | | | .2 | | | | | | | | | | | | 1 | 1 | | |
| 66/ 65 | | | | | .5 | | | | | | | | | | | | | 3 | 4 | | |
| 64/ 63 | | .2 | .2 | .5 | .2 | | | | | | | | | | | | | 6 | 8 | | |
| 62/ 61 | | 1.1 | .6 | .6 | | .2 | | | | | | | | | | | | 16 | 19 | 1 | |
| 60/ 59 | | 1.7 | 1.1 | .3 | .6 | | | | | | | | | | | | | 24 | 29 | 16 | 2 |
| 58/ 57 | | 1.5 | .3 | .2 | .6 | | | | .5 | | | | | | | | | 20 | 23 | 17 | 12 |
| 56/ 55 | | 1.8 | .5 | .6 | .5 | | | | | | | | | | | | | 22 | 25 | 24 | 23 |
| 54/ 53 | | | .2 | 1.5 | .8 | .2 | .2 | | | | | | | | | | | 18 | 21 | 14 | 19 |
| 52/ 51 | | .2 | .2 | .9 | .5 | .5 | | | | | | | | | | | | 14 | 14 | 9 | 11 |
| 50/ 49 | | .9 | .8 | .8 | .3 | .2 | | | | | | | | | | | | 19 | 20 | 11 | 2 |
| 48/ 47 | .5 | 1.1 | .5 | .6 | .5 | | | | | | | | | | | | | 20 | 23 | 25 | 10 |
| 46/ 45 | | 1.8 | 1.7 | 1.5 | .6 | | | | | | | | | | | | | 37 | 39 | 20 | 17 |
| 44/ 43 | | 2.3 | 2.1 | .2 | .3 | | | | | | | | | | | | | 32 | 34 | 30 | 12 |
| 42/ 41 | | .9 | 1.5 | .6 | .3 | | | | | | | | | | | | | 22 | 30 | 34 | 28 |
| 40/ 39 | | 1.5 | 2.9 | .9 | .3 | | | | | | | | | | | | | 37 | 42 | 37 | 27 |
| 38/ 37 | | 3.4 | 2.0 | .9 | | | | | | | | | | | | | | 41 | 46 | 29 | 30 |
| 36/ 35 | .2 | 5.3 | 2.6 | .9 | | | | | | | | | | | | | | 59 | 62 | 41 | 23 |
| 34/ 33 | .8 | 4.9 | 1.7 | | | | | | | | | | | | | | | 48 | 48 | 74 | 36 |
| 32/ 31 | .8 | 6.4 | 2.6 | | | | | | | | | | | | | | | 64 | 64 | 58 | 80 |
| 30/ 29 | .6 | 5.6 | 1.2 | | | | | | | | | | | | | | | 49 | 49 | 57 | 61 |
| 28/ 27 | .6 | 3.2 | .3 | | | | | | | | | | | | | | | 27 | 27 | 56 | 37 |
| 26/ 25 | .5 | 3.5 | .2 | | | | | | | | | | | | | | | 27 | 27 | 29 | 68 |
| 24/ 23 | .3 | 2.3 | | | | | | | | | | | | | | | | 17 | 17 | 32 | 30 |
| 22/ 21 | 1.2 | 1.4 | | | | | | | | | | | | | | | | 16 | 17 | 23 | 31 |
| 20/ 19 | .2 | .5 | | | | | | | | | | | | | | | | 4 | 4 | 6 | 48 |
| 18/ 17 | .5 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 24 |
| 16/ 15 | .3 | .3 | | | | | | | | | | | | | | | | 4 | 4 | 3 | 12 |
| 14/ 13 | | .3 | | | | | | | | | | | | | | | | 2 | 2 | 1 | 5 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | 2 | 1 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 2 |
| 4/ 3 | .5 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 1 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 2 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 75 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725296 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-80 (YEARS) NOV (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | Dry Bulb | Wet Bulb | Dew Point |
| TOTAL | 6.6 | 52.1 | 22.9 | 11.0 | 5.8 | 1.1 | .2 | | .5 | | | | | | | | | | 655 | 705 | 655 | 655 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 4012096 | 50616 | 77.2 | 12.385 | 655 | | | | | | | |
| Dry Bulb | 1202290 | 27918 | 39.6 | 11.722 | 705 | | 27.7 | .1 | | | | 90 |
| Wet Bulb | 929254 | 23684 | 36.2 | 10.556 | 655 | | 37.9 | | | | | 90 |
| Dew Point | 788293 | 21013 | 32.1 | 11.071 | 655 | .2 | 55.0 | | | | | 90 |

USAFETAC FORM 0-26-5 (OL A) 82-44 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | NOV MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 66/ 65 | | | | | .3 | | | | | | | | | | | | | 2 | 2 | | | |
| 64/ 63 | | .1 | | .4 | .3 | | | | | | | | | | | | | 6 | 9 | | | |
| 62/ 61 | | 1.2 | .4 | .3 | .1 | | | | | | | | | | | | | 14 | 20 | 1 | | |
| 60/ 59 | | .6 | .7 | .7 | | | | | | | | | | | | | | 14 | 14 | 12 | 5 | |
| 58/ 57 | | 1.5 | .6 | .1 | .3 | | | | .3 | | | | | | | | | 19 | 22 | 10 | 9 | |
| 56/ 55 | | 1.2 | .9 | 1.0 | .4 | | | | | | | | | | | | | 24 | 26 | 25 | 18 | |
| 54/ 53 | | .9 | .6 | 1.2 | | .3 | .1 | | | | | | | | | | | 21 | 26 | 17 | 13 | |
| 52/ 51 | .3 | 1.5 | .9 | .4 | .1 | .4 | | | | | | | | | | | | 25 | 28 | 11 | 13 | |
| 50/ 49 | .1 | .6 | .3 | .7 | .1 | | | | | | | | | | | | | 13 | 15 | 25 | 13 | |
| 48/ 47 | | .6 | .4 | 1.3 | .6 | | | | | | | | | | | | | 20 | 20 | 18 | 17 | |
| 46/ 45 | | 1.9 | .7 | .7 | .1 | | | | | | | | | | | | | 24 | 24 | 14 | 11 | |
| 44/ 43 | | 2.2 | 1.5 | 1.2 | .3 | | | | | | | | | | | | | 35 | 39 | 25 | 14 | |
| 42/ 41 | | 1.8 | 1.0 | .7 | .3 | | | | | | | | | | | | | 26 | 30 | 37 | 23 | |
| 40/ 39 | | 2.6 | 2.3 | .9 | .6 | | | | | | | | | | | | | 44 | 50 | 33 | 28 | |
| 38/ 37 | .1 | 1.6 | 2.6 | 1.3 | .1 | | | | | | | | | | | | | 40 | 45 | 36 | 24 | |
| 36/ 35 | .1 | 5.1 | 2.5 | .3 | | | | | | | | | | | | | | 55 | 59 | 33 | 28 | |
| 34/ 33 | .4 | 7.6 | 1.0 | | | | | | | | | | | | | | | 62 | 64 | 74 | 36 | |
| 32/ 31 | 1.0 | 5.6 | 1.9 | | | | | | | | | | | | | | | 58 | 58 | 80 | 76 | |
| 30/ 29 | .7 | 4.8 | 1.3 | | | | | | | | | | | | | | | 47 | 47 | 56 | 58 | |
| 28/ 27 | 1.3 | 5.0 | | | | | | | | | | | | | | | | 43 | 43 | 56 | 65 | |
| 26/ 25 | .4 | 2.8 | .4 | | | | | | | | | | | | | | | 25 | 25 | 34 | 54 | |
| 24/ 23 | .4 | 2.8 | | | | | | | | | | | | | | | | 22 | 22 | 28 | 34 | |
| 22/ 21 | 1.8 | .9 | | | | | | | | | | | | | | | | 18 | 18 | 31 | 35 | |
| 20/ 19 | .6 | .7 | | | | | | | | | | | | | | | | 9 | 9 | 6 | 49 | |
| 18/ 17 | .3 | .3 | | | | | | | | | | | | | | | | 4 | 4 | 8 | 29 | |
| 16/ 15 | .4 | .3 | | | | | | | | | | | | | | | | 5 | 5 | 3 | 13 | |
| 14/ 13 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 2 | 6 | |
| 12/ 11 | .1 | .1 | | | | | | | | | | | | | | | | 2 | 2 | 2 | 4 | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | 1 | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 1 | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 1 | |
| 4/ 3 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | | |
| 2/ 1 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 1 | |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | ≤ 0 F | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 8. | 8 | 59. | 5 | 20. | 3 | 11. | 5 | 3. | 8 | .7 | .1 | | .3 | | | | | | 681 | 730 | 681 | 681 |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 4307041 | 53601 | 78.6 | 12.28 | 681 | | | | | | | |
| Dry Bulb | 1189307 | 26823 | 36.7 | 11.6 | 730 | | 29.2 | | | | | 90 |
| Wet Bulb | 932066 | 24 | 35.5 | 10.50 | 681 | | 41.0 | | | | | 90 |
| Dew Point | 762925 | 21837 | 31.6 | 11.05 | 681 | .4 | 56.7 | | | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 66/ 65 | | | | .4 | | | | | | | | | | | | | | 3 | 3 | | |
| 64/ 63 | | .3 | .3 | .3 | | | | | | | | | | | | | | 6 | 6 | | |
| 62/ 61 | | 1.0 | | .1 | | | | | | | | | | | | | | 9 | 9 | 3 | |
| 60/ 59 | .4 | 1.9 | .6 | .6 | | | | | | | | | | | | | | 28 | 28 | 16 | 7 |
| 58/ 57 | | 1.0 | 1.0 | | | | | | | | | | | | | | | 16 | 16 | 18 | 16 |
| 56/ 55 | .5 | 1.9 | .5 | .6 | .1 | | | | | | | | | | | | | 29 | 29 | 21 | 22 |
| 54/ 53 | | 1.4 | | .5 | .4 | .3 | | | | | | | | | | | | 20 | 20 | 27 | 18 |
| 52/ 51 | .3 | .6 | .9 | .8 | .9 | | | | | | | | | | | | | 23 | 23 | 15 | 22 |
| 50/ 49 | .1 | 1.5 | 1.1 | .5 | .6 | .1 | | | | | | | | | | | | 32 | 32 | 14 | 19 |
| 48/ 47 | .3 | 1.0 | | .1 | .1 | .3 | | | | | | | | | | | | 14 | 14 | 27 | 15 |
| 46/ 45 | .4 | 1.3 | 1.1 | .4 | .3 | | | | | | | | | | | | | 27 | 27 | 33 | 13 |
| 44/ 43 | | 1.5 | .8 | 1.1 | .3 | | | | | | | | | | | | | 29 | 29 | 13 | 18 |
| 42/ 41 | .1 | 3.0 | .9 | .9 | .1 | .1 | | | | | | | | | | | | 41 | 41 | 31 | 19 |
| 40/ 39 | 1.1 | 2.9 | 1.4 | 1.1 | .4 | .1 | | | | | | | | | | | | 56 | 56 | 50 | 31 |
| 38/ 37 | .3 | 2.9 | 2.5 | .5 | .1 | | | | | | | | | | | | | 50 | 50 | 45 | 32 |
| 36/ 35 | .9 | 3.3 | 2.1 | .1 | | | | | | | | | | | | | | 51 | 51 | 45 | 38 |
| 34/ 33 | .6 | 6.3 | 2.1 | | | | | | | | | | | | | | | 72 | 72 | 71 | 37 |
| 32/ 31 | 2.0 | 8.4 | 2.1 | | | | | | | | | | | | | | | 100 | 100 | 91 | 83 |
| 30/ 29 | .6 | 2.5 | 1.3 | | | | | | | | | | | | | | | 35 | 35 | 85 | 69 |
| 28/ 27 | 1.6 | 4.3 | .5 | | | | | | | | | | | | | | | 53 | 53 | 43 | 72 |
| 26/ 25 | 1.0 | 3.1 | | | | | | | | | | | | | | | | 33 | 33 | 55 | 70 |
| 24/ 23 | .8 | 2.0 | | | | | | | | | | | | | | | | 22 | 22 | 34 | 36 |
| 22/ 21 | 1.0 | 2.1 | | | | | | | | | | | | | | | | 25 | 25 | 32 | 42 |
| 20/ 19 | .1 | .8 | | | | | | | | | | | | | | | | 6 | 6 | 9 | 47 |
| 18/ 17 | .4 | .8 | | | | | | | | | | | | | | | | 8 | 8 | 7 | 33 |
| 16/ 15 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 5 | 21 |
| 14/ 13 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 7 |
| 12/ 11 | .1 | .1 | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 4 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 1 |
| 4/ 3 | .4 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | |
| 2/ -1 | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 13.4 | 55.7 | 19.2 | 8.0 | 2.6 | .9 | | | | | | | | | | | | 797 | 797 | 797 | 797 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5299591 | 64257 | 80.6 | 12.225 | 797 | | | | | | | |
| Dry Bulb | 1242889 | 30181 | 37.9 | 11.208 | 797 | | 32.9 | | | | | 90 |
| Wet Bulb | 1103995 | 28431 | 35.7 | 10.621 | 797 | | 41.6 | | | | | 90 |
| Dew Point | 929281 | 25635 | 32.2 | 11.472 | 797 | .3 | 55.3 | | | | | 90 |

USAFETAC FORM 26 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 68/ 67 | | | .1 | .1 | .1 | | | | | | | | | | | | | 3 | 3 | | |
| 66/ 65 | | .1 | .2 | .5 | .1 | .2 | .1 | | | | | | | | | | | 11 | 11 | | |
| 64/ 63 | | .6 | .9 | .5 | .1 | .2 | .1 | | | | | | | | | | | 20 | 20 | 2 | |
| 62/ 61 | | 1.2 | .2 | .4 | .2 | .1 | | | | | | | | | | | | 18 | 18 | 17 | 4 |
| 60/ 59 | | 1.4 | .9 | .5 | .1 | .1 | | .1 | | | | | | | | | | 25 | 25 | 19 | 15 |
| 58/ 57 | .1 | 1.1 | .4 | .6 | .4 | .1 | | | | | | | | | | | | 22 | 22 | 22 | 21 |
| 56/ 55 | | 1.2 | .4 | .6 | .5 | .7 | .2 | | | | | | | | | | | 30 | 30 | 17 | 5 |
| 54/ 53 | | .6 | .7 | .6 | .1 | | .1 | .1 | | | | | | | | | | 19 | 19 | 21 | 14 |
| 52/ 51 | | 1.4 | .7 | .7 | 1.1 | .2 | .1 | .1 | | | | | | | | | | 36 | 36 | 18 | 18 |
| 50/ 49 | .4 | 1.2 | 1.4 | 1.0 | 1.1 | .2 | .4 | | | | | | | | | | | 46 | 46 | 35 | 20 |
| 48/ 47 | .2 | 1.7 | .5 | .4 | .5 | | | | | | | | | | | | | 27 | 27 | 24 | 24 |
| 46/ 45 | .1 | 1.4 | 1.5 | 1.5 | .9 | .2 | | | | | | | | | | | | 45 | 45 | 39 | 24 |
| 44/ 43 | | 1.2 | 1.6 | 1.0 | .5 | .1 | | | | | | | | | | | | 36 | 36 | 35 | 29 |
| 42/ 41 | | 2.9 | 2.1 | 1.2 | .7 | | | | | | | | | | | | | 56 | 56 | 44 | 23 |
| 40/ 39 | .4 | 1.0 | 3.4 | .9 | .1 | | | | | | | | | | | | | 46 | 46 | 51 | 31 |
| 38/ 37 | | 1.7 | 2.9 | .9 | .1 | | | | | | | | | | | | | 45 | 45 | 51 | 37 |
| 36/ 35 | | 2.4 | 3.0 | .2 | .1 | | | | | | | | | | | | | 46 | 46 | 57 | 36 |
| 34/ 33 | | 6.5 | 3.6 | .5 | | | | | | | | | | | | | | 85 | 85 | 61 | 38 |
| 32/ 31 | 1.0 | 6.0 | 4.0 | .2 | | | | | | | | | | | | | | 90 | 90 | 95 | 79 |
| 30/ 29 | .4 | 2.4 | 1.1 | | | | | | | | | | | | | | | 31 | 31 | 79 | 81 |
| 28/ 27 | .5 | 1.7 | .7 | | | | | | | | | | | | | | | 24 | 24 | 54 | 64 |
| 26/ 25 | | 1.4 | | | | | | | | | | | | | | | | 11 | 11 | 18 | 67 |
| 24/ 23 | | 1.0 | .1 | | | | | | | | | | | | | | | 9 | 9 | 16 | 38 |
| 22/ 21 | | 1.0 | | | | | | | | | | | | | | | | 8 | 8 | 12 | 35 |
| 20/ 19 | | .6 | | | | | | | | | | | | | | | | 5 | 5 | 3 | 37 |
| 18/ 17 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 5 | 26 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 13 |
| 14/ 13 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | | 5 |
| 12/ 11 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| 10/ 9 | .1 | .2 | | | | | | | | | | | | | | | | 3 | 3 | 4 | |
| 8/ 5 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 4 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 1 |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 1 |

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

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | NOV MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| TOTAL | 3.5 | 42.4 | 30.6 | 12.5 | 7.0 | 2.5 | 1.1 | .4 | | | | | | | | | | 801 | 801 | 801 | 801 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 4593599 | 59603 | 74.4 | 14.078 | 801 | | | | | | | |
| Dry Bulb | 1487018 | 33336 | 41.6 | 11.160 | 801 | | 20.8 | .3 | | | | 90 |
| Wet Bulb | 1260617 | 30669 | 38.3 | 10.389 | 801 | | 32.4 | | | | | 90 |
| Dew Point | 1010724 | 26920 | 33.6 | 11.511 | 801 | | 50.8 | | | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 72/ 71 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | | |
| 70/ 69 | | | | .6 | .6 | .1 | | .3 | | | | | | | | | | 13 | 13 | | |
| 68/ 67 | | | .9 | .4 | .5 | .6 | .5 | .6 | | | | | | | | | | 28 | 28 | | |
| 66/ 65 | | .1 | .6 | .5 | .4 | .1 | .3 | .1 | .3 | | | | | | | | | 19 | 19 | 2 | |
| 64/ 63 | | .3 | .5 | .5 | .3 | .1 | .5 | .5 | .1 | | | | | | | | | 22 | 22 | 19 | 3 |
| 62/ 61 | | .8 | .9 | .5 | 1.0 | .5 | .3 | .3 | .1 | | | | | | | | | 34 | 34 | 12 | 10 |
| 60/ 59 | | .5 | .3 | .1 | .4 | 1.1 | .8 | .3 | .4 | | | | | | | | | 30 | 30 | 24 | 11 |
| 58/ 57 | | .4 | .4 | .4 | .4 | 1.0 | .5 | | | | | | | | | | | 24 | 24 | 20 | 25 |
| 56/ 55 | | .6 | .1 | .1 | .9 | .3 | .3 | .1 | .1 | | | | | | | | | 20 | 20 | 19 | 11 |
| 54/ 53 | | 1.0 | .1 | .6 | .6 | .1 | .3 | | | | | | | | | | | 24 | 24 | 21 | 18 |
| 52/ 51 | .3 | .9 | 1.0 | .6 | 1.1 | .5 | .1 | .1 | | | | | | | | | | 37 | 37 | 32 | 22 |
| 50/ 49 | .3 | 1.1 | .8 | 1.1 | 1.1 | .9 | | | | | | | | | | | | 42 | 42 | 32 | 9 |
| 48/ 47 | | .5 | .4 | 1.0 | 1.4 | 1.4 | .4 | | | | | | | | | | | 40 | 40 | 44 | 21 |
| 46/ 45 | | 1.9 | .4 | 1.6 | 1.9 | .6 | | | | | | | | | | | | 52 | 52 | 36 | 22 |
| 44/ 43 | .1 | .9 | 1.6 | .9 | 1.5 | .1 | | | | | | | | | | | | 42 | 42 | 39 | 30 |
| 42/ 41 | .3 | 1.3 | .9 | 1.6 | .6 | .1 | | | | | | | | | | | | 39 | 39 | 39 | 29 |
| 40/ 39 | .1 | 1.3 | 3.2 | 1.9 | .9 | | | | | | | | | | | | | 58 | 58 | 58 | 28 |
| 38/ 37 | | 1.3 | 1.6 | 1.1 | .5 | | | | | | | | | | | | | 36 | 36 | 60 | 48 |
| 36/ 35 | .1 | 2.4 | 4.6 | 2.3 | | | | | | | | | | | | | | 74 | 74 | 62 | 39 |
| 34/ 33 | .4 | 3.2 | 4.9 | .9 | | | | | | | | | | | | | | 74 | 74 | 62 | 41 |
| 32/ 31 | .1 | 1.1 | 1.5 | | | | | | | | | | | | | | | 22 | 22 | 82 | 55 |
| 30/ 29 | .4 | 1.9 | .8 | | | | | | | | | | | | | | | 24 | 24 | 69 | 46 |
| 28/ 27 | .3 | 1.0 | .6 | .1 | | | | | | | | | | | | | | 16 | 16 | 23 | 96 |
| 26/ 25 | | .8 | .4 | | | | | | | | | | | | | | | 9 | 9 | 13 | 59 |
| 24/ 23 | | .3 | .1 | | | | | | | | | | | | | | | 3 | 3 | 11 | 44 |
| 22/ 21 | | .3 | | | | | | | | | | | | | | | | 2 | 2 | 4 | 46 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | 2 | 48 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 12 |
| 16/ 15 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 2 | 5 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | 1 | 5 |
| 12/ 11 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | | 2 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | 3 | 2 |
| 8/ 5 | | | | | | | | | | | | | | | | | | | | | 4 |

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)



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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| TOTAL | 2.3 | 24.4 | 26.5 | 17.3 | 14.4 | 8.0 | 3.8 | 2.3 | 1.0 | | | | | | | | | 791 | 791 | 791 | 791 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 3703536 | 52464 | 66.3 | 16.831 | 791 | | | | | | | |
| Dry Bulb | 1739734 | 35886 | 45.4 | 11.889 | 791 | | 9.3 | 4.8 | | | | 90 |
| Wet Bulb | 1377169 | 31959 | 40.4 | 10.428 | 791 | | 23.9 | | | | | 90 |
| Dew Point | 1017358 | 26822 | 33.9 | 11.684 | 791 | | 48.2 | | | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | | |
| 72/ 71 | | | | .1 | .5 | .1 | | | | | | | | | | | | | 6 | 6 | | |
| 70/ 69 | | | | .8 | .8 | .3 | .3 | .3 | .3 | | | | | | | | | | 20 | 20 | | |
| 68/ 67 | | | | .5 | .9 | .5 | .1 | .4 | .3 | | | | | | | | | | 21 | 21 | | |
| 66/ 65 | | | .4 | .5 | .3 | | .3 | .1 | | | | | | | | | | | 12 | 12 | 2 | |
| 64/ 63 | | | .8 | .6 | .5 | .4 | .6 | .1 | .3 | | | | | | | | | | 26 | 26 | 12 | |
| 62/ 61 | | .8 | .3 | .1 | .5 | .6 | .6 | .5 | .3 | | | | | | | | | | 29 | 29 | 14 | 4 |
| 60/ 59 | | 1.1 | .3 | .1 | .1 | .6 | .8 | .1 | | | | | | | | | | | 25 | 25 | 28 | 10 |
| 58/ 57 | | .5 | .5 | .8 | .3 | .8 | .5 | .3 | | | | | | | | | | | 28 | 28 | 20 | 30 |
| 56/ 55 | .1 | 1.0 | .3 | .5 | .3 | .4 | .3 | .1 | .1 | | | | | | | | | | 24 | 24 | 18 | 17 |
| 54/ 53 | .6 | .1 | .4 | 1.4 | .8 | .3 | .3 | .1 | | | | | | | | | | | 31 | 31 | 33 | 20 |
| 52/ 51 | .4 | .4 | .6 | .6 | .8 | 1.0 | .3 | .1 | | | | | | | | | | | 33 | 33 | 20 | 21 |
| 50/ 49 | | .8 | .9 | 1.5 | 1.3 | 1.5 | .1 | | | | | | | | | | | | 48 | 48 | 33 | 6 |
| 48/ 47 | | 1.3 | .1 | 1.1 | .9 | .9 | .4 | | | | | | | | | | | | 37 | 37 | 43 | 19 |
| 46/ 45 | | 1.5 | .3 | 1.3 | 2.3 | .3 | .3 | | | | | | | | | | | | 46 | 46 | 38 | 26 |
| 44/ 43 | .3 | 1.0 | .5 | 1.1 | 1.9 | .3 | | | | | | | | | | | | | 40 | 40 | 43 | 34 |
| 42/ 41 | .3 | 1.6 | .8 | 1.1 | 1.3 | | | | | | | | | | | | | | 40 | 40 | 42 | 32 |
| 40/ 39 | .3 | 1.8 | 2.2 | 1.1 | .6 | | | | | | | | | | | | | | 47 | 47 | 49 | 31 |
| 38/ 37 | .1 | .9 | 3.3 | 1.8 | .4 | | | | | | | | | | | | | | 51 | 51 | 60 | 36 |
| 36/ 35 | .3 | 2.5 | 3.9 | 2.2 | | | | | | | | | | | | | | | 70 | 70 | 54 | 40 |
| 34/ 33 | .4 | 2.4 | 3.2 | .9 | | | | | | | | | | | | | | | 54 | 54 | 69 | 33 |
| 32/ 31 | | 2.4 | 2.2 | .1 | | | | | | | | | | | | | | | 37 | 37 | 78 | 53 |
| 30/ 29 | .1 | 1.6 | 1.5 | | | | | | | | | | | | | | | | 26 | 26 | 56 | 61 |
| 28/ 27 | .3 | 1.1 | .6 | .3 | | | | | | | | | | | | | | | 18 | 18 | 33 | 78 |
| 26/ 25 | .1 | .6 | .1 | | | | | | | | | | | | | | | | 7 | 7 | 19 | 67 |
| 24/ 23 | | .6 | | | | | | | | | | | | | | | | | 5 | 5 | 14 | 45 |
| 22/ 21 | .3 | .1 | | | | | | | | | | | | | | | | | 3 | 3 | 6 | 38 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | 45 |
| 18/ 17 | | .1 | | | | | | | | | | | | | | | | | 1 | 1 | | 27 |
| 16/ 15 | .1 | .1 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 8 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 1 | |
| 12/ 11 | | .1 | | | | | | | | | | | | | | | | | 1 | 1 | | 5 |
| 10/ 9 | | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 1 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 1 | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | | 1 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 3.5 | 24.9 | 22.9 | 18.6 | 14.2 | 7.8 | 4.7 | 2.2 | 1.1 | | | | | | | | | | 790 | | 790 |
| | | | | | | | | | | | | | | | | | | 790 | | 790 | |

| Element (X) | $\Sigma_{X^2}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 3717285 | 52453 | 66.4 | 17.248 | 790 | | | | | | | |
| Dry Bulb | 1735362 | 35772 | 45.3 | 12.106 | 790 | | 11.6 | 5.4 | | | | 90 |
| Wet Bulb | 1389214 | 31828 | 40.3 | 10.498 | 790 | | 24.2 | | | | | 90 |
| Dew Point | 1009884 | 26700 | 33.8 | 11.672 | 790 | | 49.1 | | | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 68/ 67 | | | .1 | .1 | .4 | | | | | | | | | | | | | 5 | 8 | | |
| 66/ 65 | | | .3 | 1.3 | | | | .1 | | | | | | | | | | 11 | 16 | | |
| 64/ 63 | | | .1 | .1 | .3 | .4 | .1 | | | | | | | | | | | 8 | 9 | 2 | |
| 62/ 61 | | .4 | .7 | .9 | .4 | .1 | .3 | | | | | | | | | | | 21 | 22 | 7 | |
| 60/ 59 | | .9 | .9 | .1 | .3 | .4 | .3 | .1 | | | | | | | | | | 23 | 26 | 14 | 4 |
| 58/ 57 | | 1.4 | .1 | .5 | .8 | .3 | .3 | .1 | | | | | | | | | | 27 | 27 | 18 | 17 |
| 56/ 55 | | 1.1 | 1.2 | .4 | .7 | .3 | .4 | .1 | | | | | | | | | | 31 | 31 | 23 | 22 |
| 54/ 53 | .1 | .4 | .3 | .9 | .3 | .1 | | | | | | | | | | | | 16 | 16 | 17 | 15 |
| 52/ 51 | .1 | 1.2 | .9 | .8 | .8 | .1 | | | | | | | | | | | | 30 | 30 | 26 | 14 |
| 50/ 49 | .1 | .5 | 1.4 | .5 | .7 | .4 | | | | | | | | | | | | 28 | 34 | 26 | 15 |
| 48/ 47 | .4 | 1.8 | 1.4 | .8 | 1.2 | | .1 | | | | | | | | | | | 44 | 46 | 31 | 22 |
| 46/ 45 | .1 | .7 | .7 | 1.4 | .7 | | | | | | | | | | | | | 27 | 28 | 37 | 18 |
| 44/ 43 | .3 | 1.7 | 2.2 | 1.2 | .9 | | | | | | | | | | | | | 48 | 53 | 36 | 31 |
| 42/ 41 | .1 | 1.1 | 1.6 | 2.6 | .5 | | | | | | | | | | | | | 46 | 46 | 31 | 31 |
| 40/ 39 | .1 | 1.2 | 1.6 | 1.6 | .3 | | | | | | | | | | | | | 36 | 37 | 48 | 27 |
| 38/ 37 | .3 | 2.9 | 2.9 | 1.1 | .1 | | | | | | | | | | | | | 52 | 55 | 44 | 34 |
| 36/ 35 | .3 | 2.4 | 4.3 | .5 | .1 | | | | | | | | | | | | | 58 | 60 | 57 | 31 |
| 34/ 33 | .1 | 4.0 | 4.9 | | | | | | | | | | | | | | | 68 | 69 | 62 | 43 |
| 32/ 31 | .3 | 3.8 | 4.6 | .5 | | | | | | | | | | | | | | 70 | 70 | 85 | 55 |
| 30/ 29 | .7 | 3.0 | 1.6 | | | | | | | | | | | | | | | 42 | 42 | 73 | 59 |
| 28/ 27 | .1 | 1.8 | .3 | | | | | | | | | | | | | | | 17 | 17 | 47 | 71 |
| 26/ 25 | .5 | 2.0 | .1 | | | | | | | | | | | | | | | 20 | 20 | 29 | 69 |
| 24/ 23 | .1 | .9 | | | | | | | | | | | | | | | | 8 | 8 | 23 | 33 |
| 22/ 21 | | 1.4 | | | | | | | | | | | | | | | | 11 | 11 | 7 | 34 |
| 20/ 19 | .4 | .3 | | | | | | | | | | | | | | | | 5 | 5 | 10 | 46 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | 1 | 29 |
| 16/ 15 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 11 |
| 14/ 13 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 3 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 2 |
| 10/ 9 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | |
| 8/ 5 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| 4/ 3 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 2 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref. Hem. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| TOTAL | 4.9 | 34.9 | 32.1 | 15.7 | 8.3 | 2.1 | 1.4 | .5 | | | | | | | | | | 759 | 791 | 759 | 759 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 4186978 | 55372 | 73.0 | 13.944 | 759 | | | | | | | |
| Dry Bulb | 1481129 | 33017 | 41.7 | 11.417 | 791 | | 20.3 | .9 | | | | 90 |
| Wet Bulb | 1185359 | 28711 | 37.8 | 10.228 | 759 | | 33.2 | | | | | 90 |
| Dew Point | 912798 | 24946 | 32.9 | 11.071 | 759 | | 51.6 | | | | | 90 |

USAFETAC FORM 25-54 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | NOV MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 68/ 67 | | | | | .4 | | | | | | | | | | | | | 3 | 6 | | |
| 6/ 65 | | | | .7 | | | | | | | | | | | | | | 5 | 5 | | |
| 64/ 63 | | .3 | .5 | .4 | .1 | .1 | .1 | | | | | | | | | | | 12 | 13 | | |
| 62/ 61 | | .5 | .3 | .5 | .1 | .1 | | | | | | | | | | | | 12 | 15 | 2 | |
| 60/ 59 | | .7 | .5 | .3 | .4 | .1 | | | | | | | | | | | | 15 | 21 | 17 | 3 |
| 58/ 57 | | 2.3 | .7 | .8 | .4 | | .3 | | .1 | | | | | | | | | 34 | 35 | 11 | 8 |
| 56/ 55 | | 1.2 | .4 | .4 | .1 | | .1 | .1 | | | | | | | | | | 18 | 20 | 32 | 19 |
| 54/ 53 | | .7 | .6 | .6 | .9 | | | | | | | | | | | | | 24 | 24 | 13 | 26 |
| 52/ 51 | | .7 | .7 | 1.1 | .7 | .7 | .1 | | | | | | | | | | | 29 | 29 | 17 | 13 |
| 50/ 49 | | .5 | 1.2 | .5 | .3 | .4 | | | | | | | | | | | | 22 | 27 | 24 | 8 |
| 48/ 47 | .4 | 1.2 | 1.5 | .4 | .9 | | | | | | | | | | | | | 33 | 37 | 27 | 22 |
| 46/ 45 | | .8 | 1.8 | .8 | .3 | | | | | | | | | | | | | 27 | 29 | 28 | 16 |
| 44/ 43 | | 1.8 | 2.0 | 1.2 | .3 | | | | | | | | | | | | | 39 | 43 | 26 | 20 |
| 42/ 41 | | 1.2 | 2.3 | .7 | .8 | | | | | | | | | | | | | 34 | 37 | 42 | 28 |
| 40/ 39 | .1 | 1.8 | 2.3 | .8 | .3 | | | | | | | | | | | | | 39 | 42 | 42 | 33 |
| 38/ 37 | | 2.8 | 3.2 | 1.4 | | | | | | | | | | | | | | 55 | 59 | 38 | 31 |
| 36/ 35 | | 3.2 | 3.9 | .5 | | | | | | | | | | | | | | 57 | 61 | 44 | 25 |
| 34/ 33 | .3 | 4.5 | 4.9 | .4 | | | | | | | | | | | | | | 73 | 74 | 71 | 27 |
| 32/ 31 | .3 | 5.4 | 3.4 | .1 | | | | | | | | | | | | | | 68 | 69 | 75 | 82 |
| 30/ 29 | .3 | 3.9 | 1.6 | .1 | | | | | | | | | | | | | | 44 | 44 | 80 | 53 |
| 28/ 27 | .3 | 4.3 | .3 | | | | | | | | | | | | | | | 36 | 36 | 51 | 65 |
| 26/ 25 | .4 | 2.3 | | | | | | | | | | | | | | | | 23 | 23 | 46 | 82 |
| 24/ 23 | .5 | .9 | | | | | | | | | | | | | | | | 11 | 11 | 25 | 35 |
| 22/ 21 | .3 | .7 | | | | | | | | | | | | | | | | 7 | 7 | 9 | 49 |
| 20/ 19 | .4 | .5 | | | | | | | | | | | | | | | | 11 | 11 | 9 | 48 |
| 18/ 17 | .7 | .3 | | | | | | | | | | | | | | | | 6 | 6 | 7 | 28 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | 1 | 11 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 3 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 1 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 1 |
| 6/ 5 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | |
| 4/ 3 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 3 |

| Element (X) | $\Sigma X'$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb / Dew Point |
| TOTAL | 4.7 | 42.8 | 32.3 | 12.0 | 5.7 | 1.5 | .7 | .1 | .1 | | | | | | | | | | 787 | 740 |
| | | | | | | | | | | | | | | | | | | 740 | | 740 |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4281196 | 55542 | 75.1 | 12.332 | 740 | | | | | | | |
| Dry Bulb | 1379858 | 31718 | 40.3 | 11.349 | 787 | | 24.0 | .7 | | | | 90 |
| Wet Bulb | 1072681 | 27139 | 36.7 | 10.233 | 740 | | 37.2 | | | | | 90 |
| Dew Point | 852909 | 23793 | 32.2 | 10.906 | 740 | | 56.1 | | | | | 90 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)



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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 72/ 71 | | | | .0 | .1 | .0 | | | | | | | | | | | | 7 | 7 | | |
| 70/ 69 | | | | .2 | .2 | .0 | .0 | .1 | .0 | | | | | | | | | 33 | 33 | | |
| 68/ 67 | | | .1 | .1 | .3 | .2 | .1 | .1 | .0 | | | | | | | | | 61 | 67 | | |
| 66/ 65 | | .0 | .2 | .5 | .2 | .0 | .1 | .0 | .0 | | | | | | | | | 68 | 72 | 4 | |
| 64/ 63 | | .2 | .4 | .4 | .2 | .2 | .2 | .1 | .0 | | | | | | | | | 106 | 113 | 35 | 3 |
| 62/ 61 | | .9 | .4 | .4 | .3 | .2 | .1 | .1 | .0 | | | | | | | | | 153 | 166 | 57 | 18 |
| 60/ 59 | .0 | 1.1 | .6 | .3 | .2 | .3 | .2 | .1 | .0 | | | | | | | | | 184 | 198 | 146 | 57 |
| 58/ 57 | .0 | 1.2 | .5 | .4 | .4 | .3 | .2 | .0 | .1 | | | | | | | | | 190 | 197 | 136 | 138 |
| 56/ 55 | .1 | 1.2 | .5 | .5 | .4 | .2 | .2 | .1 | .0 | | | | | | | | | 198 | 205 | 179 | 147 |
| 54/ 53 | .1 | .6 | .4 | .9 | .5 | .1 | .1 | .0 | | | | | | | | | | 173 | 181 | 163 | 143 |
| 52/ 51 | .2 | .8 | .7 | .7 | .7 | .4 | .1 | .0 | | | | | | | | | | 227 | 230 | 148 | 134 |
| 50/ 49 | .1 | .9 | 1.0 | .8 | .7 | .5 | .1 | | | | | | | | | | | 250 | 264 | 200 | 92 |
| 48/ 47 | .2 | 1.2 | .6 | .7 | .8 | .3 | .1 | | | | | | | | | | | 235 | 244 | 239 | 150 |
| 46/ 45 | .1 | 1.4 | 1.0 | 1.2 | .9 | .2 | .0 | | | | | | | | | | | 285 | 290 | 245 | 147 |
| 44/ 43 | .1 | 1.5 | 1.5 | 1.0 | .8 | .1 | | | | | | | | | | | | 301 | 316 | 247 | 188 |
| 42/ 41 | .1 | 1.7 | 1.4 | 1.2 | .6 | .0 | | | | | | | | | | | | 304 | 319 | 300 | 213 |
| 40/ 39 | .3 | 1.7 | 2.4 | 1.2 | .4 | .0 | | | | | | | | | | | | 363 | 378 | 368 | 236 |
| 38/ 37 | .1 | 2.2 | 2.6 | 1.1 | .2 | | | | | | | | | | | | | 370 | 387 | 363 | 272 |
| 36/ 35 | .2 | 3.3 | 3.4 | .9 | .0 | | | | | | | | | | | | | 470 | 483 | 393 | 260 |
| 34/ 33 | .3 | 4.9 | 3.3 | .3 | | | | | | | | | | | | | | 536 | 540 | 544 | 291 |
| 32/ 31 | .7 | 4.9 | 2.8 | .2 | | | | | | | | | | | | | | 509 | 510 | 644 | 563 |
| 30/ 29 | .5 | 3.1 | 1.3 | .0 | | | | | | | | | | | | | | 298 | 298 | 555 | 488 |
| 28/ 27 | .6 | 2.8 | .4 | .0 | | | | | | | | | | | | | | 234 | 234 | 363 | 548 |
| 26/ 25 | .4 | 2.1 | .1 | | | | | | | | | | | | | | | 155 | 155 | 243 | 556 |
| 24/ 23 | .3 | 1.3 | .0 | | | | | | | | | | | | | | | 97 | 97 | 183 | 295 |
| 22/ 21 | .5 | 1.0 | | | | | | | | | | | | | | | | 90 | 91 | 124 | 310 |
| 20/ 19 | .3 | .4 | | | | | | | | | | | | | | | | 40 | 40 | 45 | 368 |
| 18/ 17 | .2 | .1 | | | | | | | | | | | | | | | | 23 | 23 | 31 | 208 |
| 16/ 15 | .1 | .1 | | | | | | | | | | | | | | | | 17 | 17 | 17 | 94 |
| 14/ 13 | .0 | .1 | | | | | | | | | | | | | | | | 7 | 7 | 8 | 34 |
| 12/ 11 | .0 | .1 | | | | | | | | | | | | | | | | 9 | 9 | 7 | 18 |
| 10/ 9 | .0 | .1 | | | | | | | | | | | | | | | | 6 | 6 | 11 | 8 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | 1 | 3 |
| 6/ 5 | .0 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 13 |

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

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)



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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4/ 3 | .2 | | | | | | | | | | | | | | | | | 10 | 10 | 10 | 3 |
| 2/ 1 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 8 |
| / -1 | | | | | | | | | | | | | | | | | | | | | 6 |
| - / -3 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 5.9 | 41.0 | 25.9 | 13.4 | 7.9 | 3.2 | 1.6 | .7 | .4 | | | | | | | | | 6192 | | | 6014 |
| | | | | | | | | | | | | | | | | | | 6014 | | 6014 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | 34101274 | 443818 | 73.8 | 14.976 | 6014 | | | | | | | |
| Dry Bulb | 11457262 | 256050 | 41.4 | 11.849 | 6192 | | 174. | 12.4 | | | | 720 |
| Wet Bulb | 9210335 | 226579 | 37.7 | 10.587 | 6014 | | 269. | | | | | 720 |
| Dew Point | 7260181 | 197345 | 32.8 | 11.349 | 6014 | 1.0 | 422.0 | | | | | 720 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-80 (YEARS) DEC (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 60 / 59 | | | .6 | .1 | | | | | | | | | | | | | | 5 | 5 | | |
| 58 / 57 | | .1 | .1 | .4 | | | | | | | | | | | | | | 5 | 5 | | |
| 56 / 55 | | .6 | .4 | .7 | | .4 | | | | | | | | | | | | 15 | 15 | 6 | |
| 54 / 53 | | .7 | .1 | | .3 | | | | | | | | | | | | | 8 | 8 | 8 | 5 |
| 52 / 51 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 9 | 9 |
| 50 / 49 | .4 | | .3 | .1 | .1 | .3 | | | | | | | | | | | | 9 | 9 | 8 | 9 |
| 48 / 47 | | 1.1 | | .1 | | .3 | | | | | | | | | | | | 11 | 11 | 4 | 1 |
| 46 / 45 | | .7 | .1 | .4 | .6 | | | | | | | | | | | | | 13 | 13 | 14 | 10 |
| 44 / 43 | | .6 | .6 | | .1 | | | | | | | | | | | | | 9 | 9 | 5 | 11 |
| 42 / 41 | .4 | .1 | 1.3 | .4 | | | | | | | | | | | | | | 16 | 16 | 10 | 5 |
| 40 / 39 | .7 | 1.7 | .8 | .1 | | | | | | | | | | | | | | 24 | 24 | 20 | 10 |
| 38 / 37 | .3 | .6 | 1.1 | .8 | .7 | | | | | | | | | | | | | 25 | 25 | 26 | 11 |
| 36 / 35 | 1.5 | 2.9 | 2.8 | .6 | .1 | | | | | | | | | | | | | 57 | 57 | 25 | 22 |
| 34 / 33 | 2.1 | 4.2 | 3.1 | .6 | | | | | | | | | | | | | | 71 | 71 | 56 | 32 |
| 32 / 31 | 1.5 | 5.7 | 2.8 | 1.0 | | | | | | | | | | | | | | 79 | 81 | 74 | 31 |
| 30 / 29 | 1.5 | 5.0 | 2.9 | | | | | | | | | | | | | | | 68 | 68 | 77 | 63 |
| 28 / 27 | .7 | 3.3 | 1.4 | .6 | | | | | | | | | | | | | | 43 | 44 | 65 | 51 |
| 26 / 25 | 1.8 | 3.9 | 1.1 | | | | | | | | | | | | | | | 49 | 50 | 61 | 69 |
| 24 / 23 | .4 | 3.8 | .3 | | | | | | | | | | | | | | | 31 | 33 | 49 | 44 |
| 22 / 21 | 2.1 | 2.6 | | | | | | | | | | | | | | | | 34 | 37 | 46 | 39 |
| 20 / 19 | 1.4 | 2.6 | | | | | | | | | | | | | | | | 29 | 29 | 29 | 63 |
| 18 / 17 | .6 | .1 | | | | | | | | | | | | | | | | 5 | 5 | 14 | 53 |
| 16 / 15 | .4 | 1.3 | | | | | | | | | | | | | | | | 12 | 12 | 10 | 47 |
| 14 / 13 | 1.1 | 2.5 | | | | | | | | | | | | | | | | 26 | 26 | 13 | 13 |
| 12 / 11 | 1.7 | 1.0 | | | | | | | | | | | | | | | | 19 | 19 | 29 | 19 |
| 10 / 9 | 1.4 | .3 | | | | | | | | | | | | | | | | 12 | 12 | 17 | 31 |
| 8 / 7 | .6 | 1.3 | | | | | | | | | | | | | | | | 13 | 13 | 10 | 10 |
| 6 / 5 | .7 | .3 | | | | | | | | | | | | | | | | 7 | 7 | 10 | 10 |
| 4 / 3 | .7 | .1 | | | | | | | | | | | | | | | | 6 | 6 | 6 | 5 |
| 2 / 1 | .7 | .6 | | | | | | | | | | | | | | | | 9 | 9 | 10 | 17 |
| 0 / -1 | .4 | .2 | | | | | | | | | | | | | | | | 4 | 4 | 3 | 8 |
| -2 / -3 | | | | | | | | | | | | | | | | | | | | 1 | 5 |
| -4 / -5 | .1 | .1 | | | | | | | | | | | | | | | | 2 | 2 | 1 | 3 |
| -6 / -7 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 2 | 4 |

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-80 (YEARS) DEC (MONTH)

PAGE 2 0000-0200 (HOURS (L.S.T.))

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| -8/ -9 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | 3 |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | 1 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | 2 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | 1 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 23.5 | 47.7 | 19.9 | 6.0 | 1.9 | 1.0 | | | | | | | | | | | | 719 | 728 | 719 | 719 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4609461 | 56735 | 78.9 | 13.590 | 719 | | | | | | | |
| Dry Bulb | 714136 | 21096 | 29.0 | 11.892 | 728 | 1.0 | 58.6 | | | | | 93 |
| Wet Bulb | 617271 | 19501 | 27.1 | 11.094 | 719 | 1.0 | 68.3 | | | | | 93 |
| Dew Point | 480513 | 16487 | 22.9 | 11.946 | 719 | 3.8 | 76.8 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| [illegible] / 59 | | | .4 | | | | | | | | | | | | | | | 3 | 3 | | | |
| [illegible] / 57 | | .4 | .4 | | | | | | | | | | | | | | | 6 | 6 | | | |
| 56 / 55 | | .1 | .8 | .4 | | .1 | | | | | | | | | | | | 11 | 11 | 7 | 1 | |
| [illegible] / 53 | | | .3 | | .1 | | | | | | | | | | | | | 3 | 3 | 4 | 4 | |
| [illegible] / 51 | | .1 | .3 | .3 | .1 | .3 | | | | | | | | | | | | 8 | 8 | 7 | 5 | |
| 50 / 49 | .4 | | .4 | | | .1 | | | | | | | | | | | | 7 | 7 | 7 | 9 | |
| [illegible] / 47 | | .3 | .1 | .3 | .5 | | | | | | | | | | | | | 9 | 9 | 2 | 4 | |
| [illegible] / 45 | | 1.1 | .7 | | | | | | | | | | | | | | | 13 | 13 | 15 | 4 | |
| [illegible] / 43 | | .8 | .3 | .8 | | | | | | | | | | | | | | 14 | 14 | 5 | 6 | |
| [illegible] / 41 | | .3 | .1 | | | | | | | | | | | | | | | 3 | 3 | 19 | 8 | |
| 40 / 39 | .7 | 2.1 | 1.5 | | | | | | | | | | | | | | | 32 | 32 | 16 | 13 | |
| 38 / 37 | .7 | 1.7 | .9 | 1.5 | .9 | | | | | | | | | | | | | 43 | 43 | 31 | 17 | |
| [illegible] / 35 | 1.2 | 1.9 | 1.6 | .4 | | | | | | | | | | | | | | 38 | 38 | 27 | 23 | |
| 34 / 33 | 2.1 | 3.2 | 2.8 | .3 | | | | | | | | | | | | | | 62 | 64 | 46 | 31 | |
| [illegible] / 31 | 1.3 | 7.4 | 2.8 | 1.2 | | | | | | | | | | | | | | 96 | 97 | 59 | 45 | |
| [illegible] / 29 | 1.9 | 2.3 | 3.9 | .3 | | | | | | | | | | | | | | 62 | 62 | 100 | 52 | |
| 28 / 27 | 1.3 | 3.5 | .9 | | | | | | | | | | | | | | | 43 | 45 | 48 | 50 | |
| 26 / 25 | 1.2 | 6.1 | 1.2 | | | | | | | | | | | | | | | 64 | 65 | 75 | 56 | |
| 24 / 23 | .4 | 2.4 | .3 | | | | | | | | | | | | | | | 23 | 23 | 59 | 43 | |
| 22 / 21 | 3.9 | 2.7 | .4 | | | | | | | | | | | | | | | 52 | 53 | 51 | 38 | |
| [illegible] / 19 | 1.3 | 2.4 | .1 | | | | | | | | | | | | | | | 29 | 33 | 32 | 90 | |
| 18 / 17 | .9 | 1.9 | .1 | | | | | | | | | | | | | | | 22 | 22 | 20 | 53 | |
| 16 / 15 | .8 | 1.2 | | | | | | | | | | | | | | | | 14 | 14 | 22 | 51 | |
| 14 / 13 | 1.2 | 1.2 | | | | | | | | | | | | | | | | 17 | 17 | 14 | 25 | |
| 12 / 11 | 1.3 | .4 | | | | | | | | | | | | | | | | 13 | 13 | 18 | 26 | |
| [illegible] / 9 | .9 | 1.1 | | | | | | | | | | | | | | | | 15 | 15 | 14 | 22 | |
| 8 / 7 | .7 | 1.2 | | | | | | | | | | | | | | | | 14 | 14 | 12 | 9 | |
| 6 / 5 | .2 | .8 | | | | | | | | | | | | | | | | 9 | 9 | 15 | 8 | |
| 4 / 3 | .7 | .3 | | | | | | | | | | | | | | | | 7 | 7 | 6 | 12 | |
| 2 / 1 | .2 | 1.1 | | | | | | | | | | | | | | | | 13 | 13 | 11 | 18 | |
| 0 / -1 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 5 | 8 | |
| -2 / -3 | | | | | | | | | | | | | | | | | | | | | 2 | |
| -4 / -5 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 3 | |
| -6 / -7 | .3 | .1 | | | | | | | | | | | | | | | | 3 | 3 | 3 | 4 | |

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

FORM AS 24 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| -P/ -9 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 3 |
| - ' /-11 | | | | | | | | | | | | | | | | | | | | | 2 |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | 4 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | 1 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | 1 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 25.0 | 47.3 | 20.2 | 5.3 | 1.7 | .5 | | | | | | | | | | | | | 764 | | 753 |
| | | | | | | | | | | | | | | | | | | 753 | | 753 | |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 4879341 | 59765 | 79.4 | 13.440 | 753 | | | | | | | |
| Dry Bulb | 714090 | 21562 | 28.2 | 11.762 | 764 | 1.0 | 62.1 | | | | | 93 |
| Wet Bulb | 619184 | 19934 | 26.5 | 11.029 | 753 | 1.4 | 70.0 | | | | | 93 |
| Dew Point | 402227 | 16825 | 22.3 | 11.889 | 753 | 3.7 | 77.6 | | | | | 93 |

USAFETAC FORM 0-26-5 (OL A) 82 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 56/ 57 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | | |
| 54/ 55 | | .2 | .5 | | | | | | | | | | | | | | | 6 | 6 | 1 | |
| 52/ 53 | | .5 | .1 | | | | | | | | | | | | | | | 5 | 5 | 4 | 1 |
| 50/ 51 | .1 | | .5 | | | | | | | | | | | | | | | 5 | 5 | 7 | 5 |
| 48/ 49 | .2 | .9 | .2 | .2 | .1 | .2 | | | | | | | | | | | | 16 | 16 | 7 | 7 |
| 46/ 47 | .2 | .5 | .5 | .1 | .1 | | | | | | | | | | | | | 12 | 12 | 11 | 11 |
| 44/ 45 | .4 | .2 | | .5 | | | | | | | | | | | | | | 9 | 9 | 10 | 6 |
| 42/ 43 | .1 | .7 | .4 | .2 | | | | | | | | | | | | | | 12 | 12 | 7 | 9 |
| 40/ 41 | .1 | 1.1 | .4 | .1 | | | | | | | | | | | | | | 14 | 14 | 10 | 6 |
| 38/ 39 | .9 | 1.2 | .6 | .1 | .1 | | | | | | | | | | | | | 24 | 24 | 26 | 15 |
| 36/ 37 | .7 | 2.6 | .9 | .4 | .1 | | | | | | | | | | | | | 38 | 38 | 26 | 14 |
| 34/ 35 | 1.5 | 2.7 | 1.0 | 1.0 | | | | | | | | | | | | | | 50 | 50 | 35 | 26 |
| 32/ 33 | 2.1 | 2.9 | 1.2 | .1 | .1 | | | | | | | | | | | | | 53 | 53 | 54 | 23 |
| 30/ 31 | 2.4 | 4.5 | 3.2 | | | | | | | | | | | | | | | 83 | 83 | 56 | 76 |
| 28/ 29 | 1.9 | 3.0 | 3.5 | .1 | | | | | | | | | | | | | | 71 | 71 | 80 | 42 |
| 26/ 27 | 2.4 | 4.5 | 1.0 | | | | | | | | | | | | | | | 65 | 65 | 65 | 48 |
| 24/ 25 | 2.4 | 5.7 | .5 | | | | | | | | | | | | | | | 71 | 71 | 90 | 50 |
| 22/ 23 | .7 | 2.6 | .4 | | | | | | | | | | | | | | | 30 | 30 | 61 | 45 |
| 20/ 21 | 1.9 | 2.7 | 1.0 | | | | | | | | | | | | | | | 46 | 46 | 41 | 48 |
| 18/ 19 | 3.6 | 3.8 | .4 | | | | | | | | | | | | | | | 64 | 64 | 58 | 97 |
| 16/ 17 | .7 | 2.2 | | | | | | | | | | | | | | | | 24 | 24 | 39 | 60 |
| 14/ 15 | 1.1 | .9 | .1 | | | | | | | | | | | | | | | 17 | 17 | 21 | 43 |
| 12/ 13 | 1.3 | .5 | | | | | | | | | | | | | | | | 15 | 15 | 19 | 35 |
| 10/ 11 | 1.5 | .6 | | | | | | | | | | | | | | | | 17 | 17 | 16 | 37 |
| 8/ 9 | 1.5 | 1.2 | | | | | | | | | | | | | | | | 21 | 21 | 21 | 27 |
| 6/ 7 | 1.3 | .7 | | | | | | | | | | | | | | | | 17 | 17 | 19 | 14 |
| 4/ 5 | .7 | .2 | | | | | | | | | | | | | | | | 8 | 8 | 10 | 13 |
| 2/ 3 | .7 | .5 | | | | | | | | | | | | | | | | 10 | 10 | 8 | 20 |
| 0/ 1 | .1 | .1 | | | | | | | | | | | | | | | | 7 | 7 | 4 | 11 |
| -2/ -1 | .6 | | | | | | | | | | | | | | | | | 5 | 5 | 10 | 5 |
| -4/ -3 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 5 |
| -6/ -5 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 2 | 2 |
| -8/ -7 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 8 |
| -10/ -9 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 4 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

FORM AWS 0-26-5 (OL A) REVISES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

PAGE 2 0600-0800 (HOURS (L. S. T.))

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | O.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| -1 /-11 | | | | | | | | | | | | | | | | | | | | | 5 |
| -1 /-13 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 32.2 | 47.8 | 16.2 | 2.9 | .6 | .2 | | | | | | | | | | | | 822 | 822 | 822 | 822 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 88 F | ≤ 93 F | Total |
| Dry Bulb | 714015 | 22613 | 27.5 | 11.195 | 822 | 1.2 | 65.3 | | | | | 93 |
| Wet Bulb | 641961 | 21233 | 25.8 | 10.649 | 822 | 1.8 | 70.6 | | | | | 93 |
| Dew | 513353 | 18151 | 22.1 | 11.695 | 822 | 3.5 | 78.9 | | | | | 93 |

FORM AF 14 0-26-3 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | ALL MONTH



ALL HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 28/ 27 | .4 | 1.4 | .5 | .1 | | | | | | | | | | | | | | 1799 | 1843 | 2408 | 2575 |
| 26/ 25 | .3 | 1.4 | .4 | .0 | | | | | | | | | | | | | | 1623 | 1665 | 2159 | 2681 |
| 24/ 23 | .2 | .9 | .2 | .0 | | | | | | | | | | | | | | 1052 | 1743 | 1869 | |
| 22/ 21 | .4 | .9 | .3 | | | | | | | | | | | | | | | 1180 | 1230 | 1271 | 2019 |
| 20/ 19 | .4 | 1.1 | .2 | .0 | | | | | | | | | | | | | | 1236 | 1282 | 1103 | 2488 |
| 18/ 17 | .2 | .8 | .1 | | | | | | | | | | | | | | | 791 | 804 | 1096 | 1618 |
| 16/ 15 | .2 | .8 | .1 | | | | | | | | | | | | | | | 811 | 828 | 897 | 1330 |
| 14/ 13 | .2 | .6 | .0 | | | | | | | | | | | | | | | 619 | 636 | 629 | 1059 |
| 12/ 11 | .3 | .4 | .0 | | | | | | | | | | | | | | | 588 | 606 | 714 | 1062 |
| 10/ 9 | .3 | .5 | .0 | | | | | | | | | | | | | | | 588 | 623 | 619 | 979 |
| 8/ 7 | .2 | .4 | .0 | | | | | | | | | | | | | | | 429 | 459 | 511 | 759 |
| 6/ 5 | .2 | .2 | | | | | | | | | | | | | | | | 291 | 294 | 417 | 474 |
| 4/ 3 | .2 | .2 | | | | | | | | | | | | | | | | 260 | 267 | 276 | 493 |
| 2/ 1 | .1 | .3 | | | | | | | | | | | | | | | | 307 | 316 | 252 | 554 |
| 0/ -1 | .1 | .0 | | | | | | | | | | | | | | | | 138 | 144 | 195 | 328 |
| -2/ -3 | .1 | .0 | | | | | | | | | | | | | | | | 103 | 107 | 126 | 250 |
| -4/ -5 | .1 | .0 | | | | | | | | | | | | | | | | 75 | 85 | 81 | 248 |
| -6/ -7 | .1 | .0 | | | | | | | | | | | | | | | | 40 | 47 | 42 | 194 |
| -8/ -9 | .0 | | | | | | | | | | | | | | | | | 34 | 34 | 34 | 126 |
| -10/-11 | .0 | | | | | | | | | | | | | | | | | 15 | 15 | 15 | 111 |
| -12/-13 | .0 | | | | | | | | | | | | | | | | | 15 | 15 | 15 | 57 |
| -14/-15 | .0 | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 70 |
| -16/-17 | .0 | | | | | | | | | | | | | | | | | 6 | 6 | 6 | 51 |
| -18/-19 | .0 | | | | | | | | | | | | | | | | | 8 | 8 | 8 | 33 |
| -20/-21 | | | | | | | | | | | | | | | | | | | | | 5 |
| -22/-23 | | | | | | | | | | | | | | | | | | | | | 5 |
| -24/-25 | | | | | | | | | | | | | | | | | | | | | 9 |
| TOTAL | 8.4 | 34.1 | 21.2 | 12.4 | 8.6 | 6.1 | 4.3 | 2.6 | 1.4 | .6 | .2 | .1 | .0 | | | | | | 76409 | | 75388 |
| | | | | | | | | | | | | | | | | | | 75388 | | 75388 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 95 F | ≥ 93 F | Total |
| Rel. Hum. | 424248359 | 5515785 | 73.2 | 16.564 | 75388 | | | | | | | |
| Dry Bulb | 216268800 | 3764840 | 49.3 | 20.068 | 76409 | 53.0 | 2014.0 | 2105.1 | 1135.7 | 357.6 | 2.3 | 8760 |
| Wet Bulb | 177824237 | 3401199 | 45.1 | 17.982 | 75388 | 62.3 | 2396.7 | 1110.1 | 221.0 | 3.4 | | 8760 |
| Dew Point | 150394091 | 3048287 | 40.4 | 18.973 | 75388 | 174.6 | 3246.6 | 663.1 | 51.9 | | | 8760 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | DEC MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 59/ 57 | | | .6 | | .1 | | | | | | | | | | | | | 6 | 6 | | |
| 56/ 55 | | | .4 | | .1 | | | | | | | | | | | | | 4 | 4 | | |
| 54/ 53 | | .4 | .4 | | | .2 | | | | | | | | | | | | 8 | 8 | 6 | |
| 52/ 51 | | | .2 | | .2 | | | | | | | | | | | | | 4 | 4 | 5 | 5 |
| 50/ 49 | | .2 | .2 | .1 | .2 | | | | | | | | | | | | | 7 | 7 | 6 | 5 |
| 48/ 47 | .4 | .9 | .4 | .1 | .4 | | | | | | | | | | | | | 17 | 17 | 9 | 7 |
| 46/ 45 | .1 | .7 | .6 | .2 | .1 | | | | | | | | | | | | | 15 | 15 | 10 | 10 |
| 44/ 43 | .2 | .6 | .5 | .2 | .1 | | | | | | | | | | | | | 14 | 14 | 16 | 6 |
| 42/ 41 | .4 | 1.5 | .5 | .2 | .1 | | | | | | | | | | | | | 22 | 22 | 22 | 15 |
| 40/ 39 | .4 | 1.1 | 1.3 | .2 | .1 | | | | | | | | | | | | | 26 | 26 | 17 | 19 |
| 38/ 37 | .6 | 1.5 | 1.7 | .6 | | | | | | | | | | | | | | 36 | 36 | 29 | 9 |
| 36/ 35 | 1.0 | 2.0 | 2.1 | .6 | | | | | | | | | | | | | | 46 | 46 | 32 | 28 |
| 34/ 33 | 2.8 | 4.2 | 2.1 | 1.2 | .1 | | | | | | | | | | | | | 85 | 85 | 66 | 40 |
| 32/ 31 | 2.4 | 5.6 | 4.8 | .5 | | | | | | | | | | | | | | 109 | 110 | 77 | 68 |
| 30/ 29 | 1.6 | 4.7 | 2.7 | .2 | | | | | | | | | | | | | | 75 | 75 | 80 | 49 |
| 28/ 27 | 1.7 | 3.2 | 1.6 | | | | | | | | | | | | | | | 53 | 53 | 94 | 62 |
| 26/ 25 | 2.1 | 3.8 | 1.3 | | | | | | | | | | | | | | | 59 | 59 | 71 | 47 |
| 24/ 23 | 1.1 | 2.3 | .5 | | | | | | | | | | | | | | | 32 | 32 | 56 | 43 |
| 22/ 21 | 2.3 | 2.9 | 1.0 | | | | | | | | | | | | | | | 51 | 52 | 50 | 73 |
| 20/ 19 | .9 | 2.8 | .2 | | | | | | | | | | | | | | | 32 | 32 | 36 | 78 |
| 18/ 17 | .7 | 1.8 | .2 | | | | | | | | | | | | | | | 23 | 23 | 26 | 52 |
| 16/ 15 | .6 | 1.7 | | | | | | | | | | | | | | | | 19 | 19 | 25 | 34 |
| 14/ 13 | .1 | 1.5 | | | | | | | | | | | | | | | | 13 | 13 | 14 | 34 |
| 12/ 11 | 1.3 | .9 | .1 | | | | | | | | | | | | | | | 19 | 19 | 22 | 24 |
| 10/ 9 | .5 | 1.1 | | | | | | | | | | | | | | | | 13 | 13 | 14 | 30 |
| 8/ 7 | .5 | .4 | | | | | | | | | | | | | | | | 7 | 7 | 10 | 24 |
| 6/ 5 | .5 | .9 | | | | | | | | | | | | | | | | 11 | 11 | 10 | 7 |
| 4/ 3 | .1 | .4 | | | | | | | | | | | | | | | | 4 | 4 | 7 | 13 |
| 2/ 1 | | .4 | | | | | | | | | | | | | | | | 3 | 3 | 2 | 13 |
| 0/ -1 | .2 | | | | | | | | | | | | | | | | | 2 | 2 | 3 | 3 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 2 |
| -4/ -5 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 7 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 6 |
| -8/ -9 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 88 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

FORM AS-14 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME *) 73-81 (YEARS) DEC (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | Dry Bulb | Wet Bulb | Dew Point |
| -**/-11 | | | | | | | | | | | | | | | | | | | | | | 3 |
| TOTAL | 22.9 | 47.2 | 23.5 | 4.4 | 1.7 | .2 | | | | | | | | | | | | | 817 | 819 | 817 | 817 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 5214758 | 64309 | 78.7 | 13.682 | 817 | | | | | | | |
| Dry Bulb | 785378 | 23666 | 29.2 | 10.484 | 819 | .5 | 60.1 | | | | | 93 |
| Wet Bulb | 689351 | 22315 | 27.3 | 9.893 | 817 | .6 | 58.2 | | | | | 93 |
| Dew Point | 535304 | 18810 | 23.0 | 11.193 | 817 | 2.5 | 76.6 | | | | | 93 |

FORM AS-4a 0-26-5 (OL A) USAFETAC SUPERSEDES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 62/ 61 | | | | .1 | | .1 | | | | | | | | | | | | 2 | 2 | | |
| 60/ 59 | | | .2 | .4 | | .2 | | | | | | | | | | | | 7 | 7 | | |
| 58/ 57 | | | .5 | | .2 | | | | | | | | | | | | | 6 | 6 | | |
| 56/ 55 | | .2 | .4 | | .1 | .1 | | | | | | | | | | | | 7 | 7 | 5 | |
| 54/ 53 | | .1 | .1 | .2 | .9 | | | | | | | | | | | | | 11 | 11 | 8 | |
| 52/ 51 | | | .1 | .1 | .5 | | | | | | | | | | | | | 6 | 6 | 6 | 10 |
| 50/ 49 | .4 | | .2 | .2 | .4 | | | | | | | | | | | | | 10 | 10 | 6 | 9 |
| 48/ 47 | | .9 | .4 | | .4 | | | | | | | | | | | | | 13 | 13 | 9 | 2 |
| 46/ 45 | .4 | .4 | .7 | .5 | .4 | .1 | | | | | | | | | | | | 20 | 20 | 20 | 8 |
| 44/ 43 | .2 | 1.0 | .5 | .5 | .2 | .1 | | | | | | | | | | | | 21 | 21 | 12 | 8 |
| 42/ 41 | .1 | 1.1 | .9 | 1.1 | .5 | .2 | | | | | | | | | | | | 32 | 32 | 22 | 18 |
| 40/ 39 | .1 | .4 | 2.3 | 1.5 | .7 | | | | | | | | | | | | | 41 | 41 | 21 | 10 |
| 38/ 37 | .9 | .9 | 2.1 | 1.6 | .9 | | | | | | | | | | | | | 53 | 53 | 26 | 26 |
| 36/ 35 | 1.6 | 2.6 | 2.3 | 2.2 | .5 | | | | | | | | | | | | | 77 | 77 | 52 | 24 |
| 34/ 33 | 3.1 | 3.5 | 3.5 | .7 | | | | | | | | | | | | | | 89 | 89 | 91 | 42 |
| 32/ 31 | 2.4 | 5.0 | 3.5 | .4 | | | | | | | | | | | | | | 93 | 93 | 94 | 67 |
| 30/ 29 | .9 | 4.0 | 2.2 | .1 | | | | | | | | | | | | | | 59 | 59 | 106 | 65 |
| 28/ 27 | .9 | 3.6 | 2.6 | .4 | | | | | | | | | | | | | | 62 | 62 | 66 | 62 |
| 26/ 25 | .5 | 2.6 | 2.3 | .1 | | | | | | | | | | | | | | 45 | 45 | 63 | 61 |
| 24/ 23 | .4 | 3.1 | .9 | | | | | | | | | | | | | | | 35 | 35 | 46 | 49 |
| 22/ 21 | .5 | 1.7 | 1.1 | | | | | | | | | | | | | | | 27 | 27 | 42 | 52 |
| 20/ 19 | .4 | 1.7 | .6 | | | | | | | | | | | | | | | 22 | 22 | 25 | 73 |
| 18/ 17 | | 2.6 | .2 | | | | | | | | | | | | | | | 25 | 25 | 23 | 44 |
| 16/ 15 | .1 | .9 | .6 | | | | | | | | | | | | | | | 13 | 13 | 21 | 43 |
| 14/ 13 | .1 | 1.3 | .1 | | | | | | | | | | | | | | | 13 | 13 | 11 | 17 |
| 12/ 11 | .5 | .9 | .1 | | | | | | | | | | | | | | | 12 | 12 | 21 | 38 |
| 10/ 9 | .1 | .6 | | | | | | | | | | | | | | | | 6 | 6 | 6 | 25 |
| 8/ 7 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 6 | 18 |
| 6/ 5 | .2 | .1 | | | | | | | | | | | | | | | | 3 | 3 | 3 | 12 |
| 4/ 3 | .1 | .2 | | | | | | | | | | | | | | | | 3 | 3 | 4 | 8 |
| 2/ 1 | .2 | .1 | | | | | | | | | | | | | | | | 3 | 3 | 2 | 7 |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | 1 | 8 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 5 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 3 |

| Element (X) | $S_{\bar{X}'}$ | $S_X$ | $\bar{X}$ | $\sigma_X$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ref. Num. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| -0/ -7 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 14.1 | 40.3 | 28.6 | 10.4 | 5.6 | 1.0 | | | | | | | | | | | | | 818 | | 818 |
| | | | | | | | | | | | | | | | | | | 818 | | 818 | |

| Element (X) | $\Sigma_{X'}$ | $\Sigma_X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 4645369 | 60297 | 73.7 | 15.674 | 818 | | | | | | | |
| Dry Bulb | 922190 | 26170 | 32.0 | 10.196 | 818 | | 48.1 | | | | | 93 |
| Wet Bulb | 776913 | 26011 | 29.4 | 9.372 | 818 | .1 | 61.4 | | | | | 93 |
| Dew Point | 568902 | 19640 | 24.0 | 10.918 | 818 | 2.3 | 75.2 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | DEC MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 62/ 61 | | | | | .1 | | | | | | | | | | | | | 1 | 1 | | |
| 60/ 59 | | | .2 | .1 | .1 | .1 | | | | | | | | | | | | 5 | 5 | | |
| 58/ 57 | | | .6 | .1 | .2 | | | | | | | | | | | | | 8 | 8 | | |
| 56/ 55 | | .4 | .1 | .4 | .1 | .1 | | | | | | | | | | | | 9 | 9 | 3 | |
| 54/ 53 | | .5 | .1 | .2 | .5 | | | | | | | | | | | | | 11 | 11 | 11 | 3 |
| 52/ 51 | .4 | .2 | .5 | .1 | .4 | .1 | | | | | | | | | | | | 14 | 14 | 11 | 13 |
| 50/ 49 | .1 | .2 | | .6 | .4 | | | | | | | | | | | | | 11 | 11 | 10 | 7 |
| 48/ 47 | .1 | .1 | .4 | .2 | .2 | | | | | | | | | | | | | 9 | 9 | 9 | 2 |
| 46/ 45 | .1 | .6 | .6 | .4 | .1 | .2 | | | | | | | | | | | | 17 | 17 | 8 | 14 |
| 44/ 43 | | 1.2 | 1.0 | .7 | .5 | .1 | | | | | | | | | | | | 29 | 29 | 22 | 8 |
| 42/ 41 | .1 | .6 | .5 | 1.0 | .6 | | | | | | | | | | | | | 23 | 23 | 21 | 9 |
| 40/ 39 | .2 | .5 | .8 | 1.6 | .6 | .4 | | | | | | | | | | | | 32 | 32 | 17 | 18 |
| 38/ 37 | .4 | 1.1 | 2.6 | 2.3 | .5 | | | | | | | | | | | | | 56 | 56 | 25 | 16 |
| 36/ 35 | 1.1 | 3.6 | 2.7 | 1.2 | .1 | | | | | | | | | | | | | 71 | 72 | 34 | 24 |
| 34/ 33 | 2.3 | 3.8 | 2.2 | .6 | | | | | | | | | | | | | | 73 | 73 | 109 | 35 |
| 32/ 31 | 2.7 | 4.7 | 5.2 | .6 | | | | | | | | | | | | | | 107 | 108 | 91 | 66 |
| 30/ 29 | 1.9 | 3.2 | 2.7 | .5 | | | | | | | | | | | | | | 67 | 67 | 88 | 70 |
| 28/ 27 | 1.4 | 3.8 | 2.0 | .6 | | | | | | | | | | | | | | 63 | 63 | 77 | 65 |
| 26/ 25 | .4 | 2.7 | 2.6 | | | | | | | | | | | | | | | 46 | 46 | 62 | 55 |
| 24/ 23 | | 2.2 | 1.1 | .1 | | | | | | | | | | | | | | 28 | 28 | 47 | 50 |
| 22/ 21 | .5 | 2.1 | 1.0 | | | | | | | | | | | | | | | 29 | 29 | 38 | 49 |
| 20/ 19 | .1 | 2.3 | .6 | | | | | | | | | | | | | | | 25 | 25 | 27 | 82 |
| 18/ 17 | .4 | 2.0 | .6 | | | | | | | | | | | | | | | 24 | 24 | 31 | 32 |
| 16/ 15 | | 1.1 | .5 | | | | | | | | | | | | | | | 13 | 13 | 17 | 43 |
| 14/ 13 | .2 | 1.0 | .1 | | | | | | | | | | | | | | | 11 | 11 | 14 | 26 |
| 12/ 11 | .4 | .7 | .1 | | | | | | | | | | | | | | | 10 | 10 | 13 | 33 |
| 10/ 9 | | .7 | | | | | | | | | | | | | | | | 6 | 6 | 10 | 29 |
| 8/ 7 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 3 | 14 |
| 6/ 5 | | .2 | | | | | | | | | | | | | | | | 2 | 2 | 2 | 6 |
| 4/ 3 | .1 | .2 | | | | | | | | | | | | | | | | 3 | 3 | 4 | 13 |
| 2/ 1 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 1 | 5 |
| 0/ -1 | .4 | .1 | | | | | | | | | | | | | | | | 4 | 5 | 4 | 9 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | 1 | 4 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 5 |

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 3 |
| -1[illegible]/-11 | | | | | | | | | | | | | | | | | | | | | 1 |
| -1[illegible]/-13 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 13. | 340. | 628. | 811. | 6 | 4.6 | 1.1 | | | | | | | | | | | | 813 | | 810 |
| | | | | | | | | | | | | | | | | | | 810 | | 810 | |

| Element (X) | $\Sigma X^2$ | $\Sigma X$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Sat. Hum. | 4578396 | 59630 | 73.6 | 15.268 | 810 | | | | | | | |
| Dry Bulb | 918798 | 25988 | 32.0 | 10.418 | 813 | .6 | 50.7 | | | | | 93 |
| Wet Bulb | 773[illegible] | 23798 | 29.4 | 9.615 | 810 | .6 | 60.9 | | | | | 93 |
| Dew Point | 56[illegible] | 19458 | 24.0 | 11.252 | 810 | 2.6 | 75.9 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | | |
| 6[illegible]/ 59 | | .1 | .4 | | | | | | | | | | | | | | | 4 | 4 | | |
| 5[illegible]/ 57 | | | .1 | .3 | | | | | | | | | | | | | | 3 | 3 | 1 | 1 |
| 56/ 55 | | .9 | .3 | .8 | .3 | | | | | | | | | | | | | 17 | 17 | 5 | |
| 54/ 53 | | .1 | .3 | .3 | | | | | | | | | | | | | | 5 | 5 | 8 | 4 |
| 52/ 51 | | .8 | .9 | .1 | | | | | | | | | | | | | | 14 | 14 | 5 | 9 |
| 50/ 49 | .4 | .1 | | .9 | .1 | .1 | | | | | | | | | | | | 13 | 13 | 20 | 7 |
| 48/ 47 | | .3 | .4 | .4 | .1 | | | | | | | | | | | | | 9 | 9 | 8 | 9 |
| 46/ 45 | | 1.1 | | .3 | | | | | | | | | | | | | | 11 | 11 | 4 | 14 |
| 44/ 43 | .1 | 1.0 | | .3 | .3 | | | | | | | | | | | | | 13 | 13 | 18 | 3 |
| 42/ 41 | .3 | .9 | 1.3 | .3 | | | | | | | | | | | | | | 21 | 21 | 19 | 13 |
| 40/ 39 | .4 | .9 | .9 | .5 | .3 | | | | | | | | | | | | | 23 | 23 | 15 | 16 |
| 38/ 37 | .5 | 1.0 | 2.3 | .8 | | | | | | | | | | | | | | 36 | 36 | 19 | 20 |
| 36/ 35 | 2.3 | 2.9 | 2.0 | 1.0 | .3 | | | | | | | | | | | | | 67 | 67 | 40 | 20 |
| 34/ 33 | 2.0 | 4.9 | 1.9 | .5 | | | | | | | | | | | | | | 74 | 74 | 67 | 36 |
| 32/ 31 | 1.8 | 5.3 | 4.5 | .5 | | | | | | | | | | | | | | 96 | 98 | 87 | 57 |
| 30/ 29 | 1.5 | 6.9 | 2.9 | .3 | | | | | | | | | | | | | | 92 | 96 | 76 | 57 |
| 28/ 27 | 1.8 | 4.3 | 2.5 | .4 | | | | | | | | | | | | | | 71 | 72 | 100 | 53 |
| 26/ 25 | 1.6 | 1.9 | .6 | | | | | | | | | | | | | | | 33 | 35 | 82 | 68 |
| 24/ 23 | .3 | 1.8 | .6 | | | | | | | | | | | | | | | 21 | 23 | 29 | 63 |
| 22/ 21 | .8 | 2.3 | 1.0 | | | | | | | | | | | | | | | 32 | 34 | 30 | 50 |
| 20/ 19 | 1.3 | 3.3 | | | | | | | | | | | | | | | | 36 | 36 | 42 | 55 |
| 18/ 17 | .8 | 1.3 | .1 | | | | | | | | | | | | | | | 17 | 17 | 28 | 47 |
| 16/ 15 | .6 | 2.4 | | | | | | | | | | | | | | | | 24 | 24 | 17 | 40 |
| 14/ 13 | .8 | 1.9 | | | | | | | | | | | | | | | | 20 | 20 | 18 | 26 |
| 12/ 11 | .1 | .6 | | | | | | | | | | | | | | | | 7 | 7 | 17 | 44 |
| 10/ 9 | .4 | 1.3 | .1 | | | | | | | | | | | | | | | 14 | 14 | 8 | 19 |
| 8/ 7 | .3 | .5 | | | | | | | | | | | | | | | | 6 | 6 | 15 | 12 |
| 6/ 5 | | .1 | | | | | | | | | | | | | | | | 1 | 1 | 2 | 8 |
| 4/ 3 | .1 | | | | | | | | | | | | | | | | | 1 | 2 | 1 | 11 |
| 2/ 1 | .1 | .5 | | | | | | | | | | | | | | | | 5 | 5 | 4 | 8 |
| 0/ -1 | .3 | | | | | | | | | | | | | | | | | 2 | 2 | 3 | 5 |
| -2/ -3 | .5 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 4 |
| -4/ -5 | .3 | .3 | | | | | | | | | | | | | | | | 4 | 4 | 4 | 2 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 7 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 92 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | DEC MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | Dry Bulb | Wet Bulb | Dew Point |
| -?/ -9 | | | | | | | | | | | | | | | | | | | | | | 2 |
| -?/-11 | | | | | | | | | | | | | | | | | | | | | | 4 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 18. | 849. | 523.0 | 7.3 | 1.3 | .1 | | | | | | | | | | | | | | 810 | | 796 |
| | | | | | | | | | | | | | | | | | | | 796 | | 796 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 6965143 | 61949 | 77.8 | 13.458 | 796 | | | | | | | |
| Dry Bulb | 831260 | 24368 | 30.1 | 11.023 | 810 | 1.1 | 57.4 | | | | | 93 |
| Wet Bulb | 719460 | 22438 | 28.2 | 10.466 | 796 | 1.3 | 66.2 | | | | | 93 |
| Dew Point | 5011368 | 18914 | 23.8 | 11.824 | 796 | 3.0 | 75.2 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | DEC MONTH

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| / 59 | | | .3 | .5 | | | | | | | | | | | | | | 6 | 6 | | |
| 5 / 57 | | | | .8 | | | | | | | | | | | | | | 6 | 6 | | |
| 56 / 55 | | .3 | .4 | .4 | .3 | | | | | | | | | | | | | 10 | 10 | 5 | |
| 54 / 53 | | .1 | .1 | .1 | .1 | | | | | | | | | | | | | 4 | 4 | 4 | |
| 52 / 51 | | .6 | .4 | .3 | | | | | | | | | | | | | | 10 | 10 | 11 | 7 |
| 50 / 49 | .3 | | .5 | .6 | | | | | | | | | | | | | | 11 | 11 | 11 | 10 |
| 48 / 47 | | .9 | .1 | .1 | .3 | | | | | | | | | | | | | 11 | 11 | 8 | 8 |
| 46 / 45 | | .9 | .5 | .1 | .1 | | | | | | | | | | | | | 13 | 13 | 11 | 8 |
| 44 / 43 | | .8 | .8 | .1 | .4 | | | | | | | | | | | | | 16 | 16 | 12 | 12 |
| 42 / 41 | .5 | .8 | 1.0 | | | | | | | | | | | | | | | 18 | 18 | 18 | 12 |
| 40 / 39 | .9 | .3 | .6 | .5 | .1 | | | | | | | | | | | | | 19 | 19 | 22 | 15 |
| 38 / 37 | .5 | 1.0 | 1.3 | 1.3 | .3 | | | | | | | | | | | | | 34 | 34 | 14 | 13 |
| 36 / 35 | 1.9 | 4.3 | 2.3 | .8 | | | | | | | | | | | | | | 73 | 73 | 35 | 28 |
| 34 / 33 | 1.6 | 4.5 | 2.1 | .3 | | | | | | | | | | | | | | 68 | 68 | 70 | 38 |
| 32 / 31 | 1.9 | 5.4 | 2.4 | .8 | | | | | | | | | | | | | | 83 | 83 | 82 | 39 |
| 30 / 29 | 1.9 | 5.6 | 2.9 | | | | | | | | | | | | | | | 83 | 90 | 82 | 65 |
| 28 / 27 | .9 | 5.8 | 2.1 | .4 | | | | | | | | | | | | | | 73 | 76 | 71 | 46 |
| 26 / 25 | 1.5 | 2.9 | .9 | | | | | | | | | | | | | | | 42 | 43 | 92 | 75 |
| 24 / 23 | .6 | 3.1 | .4 | | | | | | | | | | | | | | | 33 | 36 | 43 | 56 |
| 22 / 21 | .9 | 2.4 | .5 | | | | | | | | | | | | | | | 30 | 33 | 35 | 52 |
| / 19 | 1.1 | 2.5 | | | | | | | | | | | | | | | | 29 | 29 | 28 | 61 |
| 16 / 17 | .6 | 1.0 | | | | | | | | | | | | | | | | 13 | 13 | 26 | 49 |
| 10 / 15 | 1.8 | 1.8 | .1 | | | | | | | | | | | | | | | 29 | 29 | 24 | 51 |
| 14 / 13 | .5 | 1.4 | | | | | | | | | | | | | | | | 15 | 15 | 14 | 27 |
| 12 / 11 | 1.0 | 1.1 | | | | | | | | | | | | | | | | 17 | 17 | 20 | 22 |
| / 9 | .5 | 1.8 | .1 | | | | | | | | | | | | | | | 19 | 19 | 17 | 30 |
| / 7 | .5 | .5 | | | | | | | | | | | | | | | | 8 | 8 | 14 | 14 |
| 6 / 5 | .4 | .4 | | | | | | | | | | | | | | | | 6 | 6 | 10 | 7 |
| 4 / 3 | .3 | .1 | | | | | | | | | | | | | | | | 3 | 3 | 3 | 9 |
| 2 / 1 | .3 | .3 | | | | | | | | | | | | | | | | 4 | 4 | 4 | 12 |
| / -1 | .3 | .1 | | | | | | | | | | | | | | | | 3 | 3 | 2 | 6 |
| -2 / -3 | .1 | | | | | | | | | | | | | | | | | 1 | 1 | 2 | 9 |
| -4 / -5 | .3 | | | | | | | | | | | | | | | | | 4 | 4 | 4 | 3 |
| -6 / -7 | .1 | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 3 |

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 2 |
| -1 /-11 | | | | | | | | | | | | | | | | | | | | | 2 |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | 2 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | 2 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | 2 |
| TOTAL | 21.5 | 50.4 | 19.7 | 6.9 | 1.5 | | | | | | | | | | | | | | 814 | | 797 |
| | | | | | | | | | | | | | | | | | | 797 | | 797 | |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≤ 80 F | ≤ 93 F | Total |
| Rel. Hum. | 5059254 | 62600 | 78.5 | 13.376 | 797 | | | | | | | |
| Dry Bulb | 804843 | 23863 | 29.3 | 11.380 | 814 | 1.3 | 58.8 | | | | | 93 |
| Wet Bulb | 693432 | 21898 | 27.5 | 10.737 | 797 | 1.3 | 67.2 | | | | | 93 |
| Dew Point | 539890 | 18490 | 23.2 | 11.789 | 797 | 3.6 | 75.9 | | | | | 93 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | DEC MONTH



ALL HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | Dry Bulb | Wet Bulb | Dew Point |
| 62/ 61 | | | | .0 | .0 | .0 | | | | | | | | | | | | | 3 | 3 | | |
| 60/ 59 | | .0 | .3 | .1 | .0 | .0 | | | | | | | | | | | | | 30 | 30 | | |
| 58/ 57 | | .1 | .3 | .2 | .1 | | | | | | | | | | | | | | 41 | 41 | 1 | 1 |
| 56/ 55 | | .3 | .4 | .3 | .1 | .1 | | | | | | | | | | | | | 79 | 79 | 32 | 1 |
| 54/ 53 | | .3 | .2 | .1 | .2 | .0 | | | | | | | | | | | | | 55 | 55 | 53 | 17 |
| 52/ 51 | .1 | .2 | .4 | .1 | .2 | .0 | | | | | | | | | | | | | 62 | 62 | 61 | 63 |
| 50/ 49 | .3 | .2 | .2 | .4 | .2 | .1 | | | | | | | | | | | | | 84 | 84 | 75 | 63 |
| 48/ 47 | .1 | .6 | .3 | .2 | .3 | .0 | | | | | | | | | | | | | 91 | 91 | 60 | 44 |
| 46/ 45 | .1 | .7 | .4 | .3 | .2 | .0 | | | | | | | | | | | | | 111 | 111 | 92 | 74 |
| 44/ 43 | .1 | .8 | .5 | .4 | .2 | .0 | | | | | | | | | | | | | 128 | 128 | 97 | 63 |
| 42/ 41 | .2 | .8 | .7 | .4 | .2 | .0 | | | | | | | | | | | | | 149 | 149 | 141 | 86 |
| 40/ 39 | .5 | 1.0 | 1.1 | .6 | .3 | .0 | | | | | | | | | | | | | 221 | 221 | 154 | 116 |
| 38/ 37 | .6 | 1.3 | 1.6 | 1.2 | .4 | | | | | | | | | | | | | | 321 | 321 | 196 | 126 |
| 36/ 35 | 1.5 | 2.9 | 2.1 | 1.0 | .1 | | | | | | | | | | | | | | 479 | 480 | 280 | 197 |
| 34/ 33 | 2.3 | 3.9 | 2.4 | .5 | .0 | | | | | | | | | | | | | | 575 | 577 | 559 | 277 |
| 32/ 31 | 2.7 | 5.4 | 3.7 | .6 | | | | | | | | | | | | | | | 746 | 753 | 620 | 449 |
| 30/ 29 | 1.6 | 4.3 | 3.0 | .2 | | | | | | | | | | | | | | | 577 | 588 | 689 | 463 |
| 28/ 27 | 1.4 | 4.0 | 1.8 | .3 | | | | | | | | | | | | | | | 473 | 480 | 586 | 437 |
| 26/ 25 | 1.4 | 3.7 | 1.3 | .0 | | | | | | | | | | | | | | | 409 | 414 | 596 | 481 |
| 24/ 23 | .5 | 2.6 | .6 | .0 | | | | | | | | | | | | | | | 233 | 240 | 390 | 393 |
| 22/ 21 | 1.6 | 2.4 | .8 | | | | | | | | | | | | | | | | 301 | 311 | 333 | 401 |
| 20/ 19 | 1.3 | 2.7 | .3 | | | | | | | | | | | | | | | | 266 | 270 | 277 | 599 |
| 18/ 17 | .6 | 1.7 | .2 | | | | | | | | | | | | | | | | 153 | 153 | 207 | 390 |
| 16/ 15 | .7 | 1.4 | .2 | | | | | | | | | | | | | | | | 141 | 141 | 157 | 352 |
| 14/ 13 | .6 | 1.4 | .0 | | | | | | | | | | | | | | | | 130 | 130 | 117 | 203 |
| 12/ 11 | 1.0 | .8 | .0 | | | | | | | | | | | | | | | | 114 | 114 | 156 | 243 |
| 10/ 9 | .6 | 1.0 | .0 | | | | | | | | | | | | | | | | 106 | 106 | 107 | 213 |
| 8/ 7 | .5 | .6 | | | | | | | | | | | | | | | | | 69 | 69 | 89 | 115 |
| 6/ 5 | .4 | .3 | | | | | | | | | | | | | | | | | 47 | 47 | 62 | 71 |
| 4/ 3 | .3 | .2 | | | | | | | | | | | | | | | | | 37 | 38 | 39 | 91 |
| 2/ 1 | .3 | .3 | | | | | | | | | | | | | | | | | 45 | 45 | 38 | 91 |
| 0/ -1 | .3 | .0 | | | | | | | | | | | | | | | | | 22 | 23 | 31 | 82 |
| -2/ -3 | .1 | | | | | | | | | | | | | | | | | | 7 | 7 | 10 | 36 |
| -4/ -5 | .2 | .0 | | | | | | | | | | | | | | | | | 14 | 14 | 13 | 30 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) 80-04 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)



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

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| -6/ -7 | .1 | .0 | | | | | | | | | | | | | | | | 8 | 8 | 9 | 37 |
| -8/ -9 | .1 | | | | | | | | | | | | | | | | | 5 | 5 | 5 | 13 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | 20 |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | 10 |
| -14/-15 | | | | | | | | | | | | | | | | | | | | | 3 |
| -16/-17 | | | | | | | | | | | | | | | | | | | | | 6 |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | 5 |
| TOTAL | 21.4 | 46.3 | 22.5 | 6.9 | 2.4 | .5 | | | | | | | | | | | | | 6388 | | 6332 |
| | | | | | | | | | | | | | | | | | | 6332 | | 6332 | |

| Element (X) | $\Sigma x^2$ | $\Sigma x$ | $\bar{x}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Rel. Hum. | 39544384 | 492276 | 77.7 | 14.179 | 6332 | | | | | | | |
| Dry Bulb | 6805708 | 189324 | 29.6 | 11.147 | 6388 | 6.6 | 460.7 | | | | | 744 |
| Wet Bulb | 5911874 | 175132 | 27.7 | 10.414 | 6332 | 8.0 | 532.4 | | | | | 744 |
| Dew Point | 4290781 | 146781 | 23.2 | 11.572 | 6332 | 24.9 | 611.5 | | | | | 744 |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

725246 STATION | MANSFIELD LAHM MAP OH STATION NAME | 73-81 YEARS | ALL MONTH



ALL HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL Dry Bulb | TOTAL Wet Bulb | TOTAL Dew Point |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | | | | |
| 96/ 95 | | | | | | | | | .0 | | | | | | | | | 4 | 4 | | |
| 94/ 93 | | | | | | | | .0 | .0 | | | | | | | | | 16 | 16 | | |
| 92/ 91 | | | | | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | | | 57 | 57 | | |
| 90/ 89 | | | | | | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 | | | | | 118 | 118 | | |
| 88/ 87 | | | | | .0 | .0 | .1 | .1 | .0 | .0 | .0 | .0 | .0 | | | | | 208 | 208 | | |
| 86/ 85 | | | | .0 | .1 | .2 | .1 | .1 | .1 | .0 | .0 | .0 | | | | | | 433 | 433 | | |
| 84/ 83 | | | | .0 | .1 | .2 | .1 | .2 | .1 | .1 | .0 | .0 | | | | | | 613 | 614 | | |
| 82/ 81 | | | .0 | .1 | .2 | .2 | .3 | .2 | .1 | .1 | .0 | | | | | | | 921 | 922 | 2 | |
| 80/ 79 | | .0 | .1 | .2 | .4 | .4 | .2 | .3 | .1 | .1 | .0 | .0 | | | | | | 1343 | 1347 | 52 | |
| 78/ 77 | .0 | .0 | .2 | .4 | .5 | .3 | .3 | .3 | .1 | .0 | .0 | .0 | | | | | | 1645 | 1653 | 144 | 14 |
| 76/ 75 | .0 | .1 | .5 | .6 | .5 | .4 | .3 | .3 | .1 | .1 | .0 | .0 | | | | | | 2193 | 2200 | 542 | 114 |
| 74/ 73 | .0 | .3 | .7 | .6 | .4 | .4 | .3 | .2 | .1 | .0 | .0 | .0 | | | | | | 2305 | 2318 | 1170 | 321 |
| 72/ 71 | .0 | .6 | .9 | .5 | .4 | .3 | .3 | .2 | .1 | .0 | .0 | | | | | | | 2516 | 2524 | 1859 | 877 |
| 70/ 69 | .1 | .9 | 1.1 | .5 | .5 | .3 | .3 | .2 | .1 | .0 | .0 | | | | | | | 2985 | 3005 | 2760 | 1867 |
| 68/ 67 | .2 | .9 | .9 | .5 | .5 | .3 | .3 | .1 | .1 | .0 | .0 | | | | | | | 2879 | 2903 | 3064 | 2529 |
| 66/ 65 | .2 | 1.1 | .8 | .6 | .4 | .3 | .2 | .1 | .1 | .0 | | | | | | | | 2941 | 2969 | 3071 | 2615 |
| 64/ 63 | .2 | 1.0 | .5 | .5 | .4 | .3 | .3 | .1 | .1 | .0 | | | | | | | | 2561 | 2586 | 3216 | 2524 |
| 62/ 61 | .2 | 1.0 | .5 | .5 | .4 | .3 | .2 | .1 | .0 | .0 | | | | | | | | 2498 | 2529 | 2958 | 2590 |
| 60/ 59 | .2 | 1.1 | .8 | .5 | .3 | .4 | .2 | .1 | .0 | | | | | | | | | 2823 | 2868 | 2992 | 2754 |
| 58/ 57 | .1 | 1.0 | .7 | .4 | .4 | .3 | .2 | .1 | .0 | | | | | | | | | 2476 | 2501 | 2867 | 2873 |
| 56/ 55 | .1 | 1.0 | .7 | .5 | .4 | .3 | .2 | .0 | .0 | | | | | | | | | 2426 | 2442 | 2897 | 2754 |
| 54/ 53 | .1 | .8 | .6 | .6 | .4 | .3 | .1 | .0 | | | | | | | | | | 2175 | 2188 | 2543 | 2503 |
| 52/ 51 | .1 | .9 | .7 | .4 | .4 | .3 | .1 | .0 | | | | | | | | | | 2152 | 2165 | 2374 | 2501 |
| 50/ 49 | .1 | .8 | .6 | .6 | .4 | .2 | .0 | | | | | | | | | | | 2281 | 2304 | 2516 | 2450 |
| 48/ 47 | .1 | .9 | .6 | .5 | .5 | .1 | .0 | | | | | | | | | | | 2044 | 2058 | 2517 | 2294 |
| 46/ 45 | .1 | 1.1 | .7 | .6 | .4 | .1 | .0 | | | | | | | | | | | 2194 | 2206 | 2538 | 2121 |
| 44/ 43 | .1 | .9 | .8 | .5 | .3 | .1 | .0 | | | | | | | | | | | 2044 | 2072 | 2346 | 2268 |
| 42/ 41 | .1 | .9 | .8 | .5 | .2 | .0 | | | | | | | | | | | | 1980 | 2004 | 2306 | 2210 |
| 40/ 39 | .2 | .9 | .9 | .5 | .1 | .0 | | | | | | | | | | | | 2065 | 2104 | 2443 | 2324 |
| 38/ 37 | .2 | 1.2 | .9 | .5 | .1 | .0 | | | | | | | | | | | | 2187 | 2226 | 2373 | 2206 |
| 36/ 35 | .4 | 1.5 | 1.1 | .4 | .1 | | | | | | | | | | | | | 2541 | 2588 | 2404 | 2299 |
| 34/ 33 | .4 | 1.7 | 1.1 | .3 | .0 | | | | | | | | | | | | | 2607 | 2639 | 2952 | 2591 |
| 32/ 31 | .4 | 2.0 | 1.3 | .2 | .0 | | | | | | | | | | | | | 2968 | 3023 | 2801 | 3602 |
| 30/ 29 | .4 | 1.5 | .9 | .1 | .0 | | | | | | | | | | | | | 2205 | 2243 | 3058 | 2740 |

| Element (X) | $\Sigma x'$ | $\Sigma x$ | $\bar{X}$ | $\sigma_x$ | No. Obs. | Mean No. of Hours with Temperature | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rel. Hum. | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≤ 72 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | |

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

72 246 MANSFIELD LAHM MAP OH 73-81

STATION STATION NAME YEARS

| HRS. (L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0-02 | MEAN | 22.6 | 24.3 | 295.4 | 44.6 | 53.2 | 62.0 | 66.7 | 66.0 | 58.7 | 47.8 | 39.6 | 29.0 | 45.8 |
| | S.D. | 13.698 | 13.719 | 11.965 | 11.250 | 9.449 | 7.704 | 6.549 | 6.488 | 8.382 | 9.521 | 11.722 | 11.892 | 18.497 |
| | TOTAL OBS | 817 | 747 | 824 | 787 | 815 | 788 | 816 | 730 | 703 | 730 | 705 | 728 | 9190 |
| 3-05 | MEAN | 22.0 | 23.6 | 34.3 | 42.8 | 51.7 | 60.1 | 64.9 | 64.4 | 57.3 | 46.6 | 38.7 | 28.2 | 44.7 |
| | S.D. | 13.891 | 13.983 | 12.140 | 11.483 | 9.433 | 8.028 | 6.970 | 6.622 | 8.719 | 9.424 | 11.604 | 11.762 | 18.196 |
| | TOTAL OBS | 809 | 748 | 821 | 795 | 821 | 798 | 814 | 792 | 761 | 784 | 730 | 764 | 9437 |
| 6-08 | MEAN | 20.9 | 22.3 | 34.0 | 43.5 | 54.1 | 63.1 | 67.4 | 65.8 | 57.9 | 46.0 | 37.9 | 27.3 | 45.1 |
| | S.D. | 13.414 | 14.087 | 12.058 | 11.215 | 9.153 | 7.408 | 6.435 | 6.025 | 8.525 | 9.197 | 11.208 | 11.195 | 19.054 |
| | TOTAL OBS | 824 | 753 | 822 | 797 | 824 | 795 | 815 | 819 | 789 | 826 | 797 | 822 | 9683 |
| 9-11 | MEAN | 22.8 | 25.4 | 38.6 | 49.9 | 61.2 | 70.0 | 74.9 | 72.8 | 65.2 | 52.4 | 41.6 | 29.1 | 50.4 |
| | S.D. | 12.899 | 13.171 | 11.996 | 11.728 | 9.577 | 7.055 | 6.089 | 5.532 | 7.973 | 9.184 | 11.160 | 10.484 | 20.565 |
| | TOTAL OBS | 815 | 750 | 826 | 797 | 819 | 796 | 825 | 813 | 797 | 816 | 801 | 819 | 9674 |
| 12-14 | MEAN | 25.9 | 29.5 | 42.9 | 54.2 | 65.2 | 73.6 | 78.7 | 76.8 | 69.7 | 57.3 | 45.4 | 32.0 | 54.6 |
| | S.D. | 12.335 | 12.150 | 12.759 | 12.097 | 9.932 | 7.205 | 6.280 | 5.934 | 8.243 | 10.062 | 11.889 | 10.196 | 20.813 |
| | TOTAL OBS | 806 | 744 | 822 | 789 | 820 | 797 | 819 | 814 | 795 | 822 | 791 | 818 | 9637 |
| 15-17 | MEAN | 26.2 | 30.3 | 43.8 | 55.3 | 66.2 | 74.6 | 79.3 | 77.5 | 70.5 | 57.4 | 45.3 | 32.0 | 55.0 |
| | S.D. | 12.089 | 12.221 | 13.054 | 11.982 | 9.943 | 7.416 | 6.471 | 5.941 | 8.300 | 10.254 | 12.106 | 10.415 | 21.017 |
| | TOTAL OBS | 819 | 749 | 822 | 799 | 822 | 790 | 827 | 818 | 792 | 818 | 790 | 813 | 9659 |
| 18-20 | MEAN | 24.0 | 27.5 | 40.2 | 51.2 | 61.6 | 70.6 | 75.3 | 73.0 | 65.0 | 51.8 | 41.7 | 30.1 | 51.1 |
| | S.D. | 12.670 | 12.815 | 12.345 | 11.412 | 9.680 | 7.646 | 6.327 | 6.125 | 8.273 | 9.652 | 11.417 | 11.023 | 20.281 |
| | TOTAL OBS | 823 | 751 | 817 | 789 | 812 | 783 | 817 | 815 | 785 | 823 | 791 | 810 | 9616 |
| 21-23 | MEAN | 23.1 | 25.4 | 37.3 | 46.8 | 56.1 | 64.5 | 69.3 | 68.0 | 60.6 | 49.2 | 40.3 | 29.3 | 47.4 |
| | S.D. | 13.124 | 13.570 | 12.009 | 11.057 | 9.146 | 7.484 | 6.363 | 5.901 | 8.160 | 9.398 | 11.349 | 11.380 | 18.813 |
| | TOTAL OBS | 817 | 749 | 820 | 799 | 813 | 789 | 815 | 764 | 758 | 788 | 787 | 814 | 9513 |
| ALL HOURS | MEAN | 23.6 | 26.0 | 38.3 | 48.5 | 58.7 | 67.3 | 72.1 | 70.6 | 63.2 | 51.1 | 41.6 | 29.6 | 49.3 |
| | S.D. | 13.134 | 13.492 | 12.781 | 12.382 | 10.896 | 9.122 | 8.337 | 7.763 | 9.661 | 10.481 | 11.849 | 11.147 | 20.066 |
| | TOTAL OBS | 6530 | 5991 | 6574 | 6352 | 6546 | 6336 | 6548 | 6365 | 6180 | 6407 | 6192 | 6388 | 76409 |

USAF ETAC FORM OCT 79 0-09-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

72[illegible]246 MANSFIELD LAHM MAP OH 73-81

STATION STATION NAME YEARS

| HRS. (L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0-02 | MEAN | 21.5 | 22.7 | 32.6 | [illegible].9 | 49.6 | 58.7 | 63.2 | 63.4 | 56.2 | 44.3 | 36.2 | 27.1 | 43.3 |
| | S. D. | 13.005 | 12.985 | 11.008 | 9.887 | 9.112 | 7.607 | 6.205 | 6.279 | 8.267 | 8.782 | 10.556 | 11.094 | 17.602 |
| | TOTAL OBS | 756 | 684 | 818 | 755 | [illegible]4 | 780 | 810 | 717 | 700 | 719 | 655 | 719 | 8927 |
| 3-05 | MEAN | 21.2 | 22.0 | 31.8 | 39.5 | 48.6 | 57.4 | 62.1 | 62.3 | 55.0 | 43.6 | 35.5 | 26.5 | 42.6 |
| | S. D. | 13.233 | 13.330 | 11.288 | 10.093 | 9.182 | 7.847 | 6.586 | 6.572 | 8.590 | 8.873 | 10.508 | 11.029 | 17.467 |
| | TOTAL OBS | 746 | 686 | 817 | 770 | 817 | 791 | 809 | 782 | 757 | 774 | 681 | 753 | 9183 |
| 6-08 | MEAN | 20.1 | 21.0 | 31.8 | 40.1 | 50.4 | 59.5 | 63.8 | 63.5 | 55.7 | 43.3 | 35.7 | 25.8 | 42.6 |
| | S. D. | 13.004 | 13.404 | 11.411 | 9.909 | 8.832 | 7.055 | 5.818 | 5.973 | 8.350 | 8.824 | 10.621 | 10.649 | 18.178 |
| | TOTAL OBS | 819 | 750 | 822 | 794 | 822 | 794 | 814 | 818 | 787 | 825 | 797 | 822 | 9664 |
| -11 | MEAN | 21.6 | 23.7 | 35.1 | 44.1 | 54.4 | 62.9 | 67.1 | 67.2 | 59.9 | 47.3 | 38.3 | 27.3 | 45.8 |
| | S. D. | 12.408 | 12.430 | 10.979 | 9.793 | 8.623 | 6.521 | 5.247 | 5.128 | 7.509 | 8.382 | 10.389 | 9.893 | 18.440 |
| | TOTAL OBS | 810 | 749 | 825 | 797 | 816 | 794 | 824 | 813 | 793 | 815 | 801 | 817 | 9654 |
| 12-14 | MEAN | 24.0 | 26.8 | 37.7 | 46.4 | 56.2 | 64.2 | 68.2 | 68.3 | 61.4 | 49.6 | 40.4 | 29.4 | 47.9 |
| | S. D. | 11.608 | 11.273 | 10.995 | 9.668 | 8.397 | 6.282 | 5.216 | 5.110 | 7.355 | 8.325 | 10.428 | 9.372 | 17.814 |
| | TOTAL OBS | 799 | 743 | 821 | 789 | 819 | 795 | 817 | 812 | 795 | 821 | 791 | 818 | 9620 |
| 15-17 | MEAN | 24.2 | 27.4 | 38.2 | 47.0 | 56.5 | 64.3 | 68.2 | 68.4 | 61.5 | 49.4 | 40.3 | 29.4 | 48.0 |
| | S. D. | 11.309 | 11.196 | 10.800 | 9.405 | 8.176 | 6.282 | 5.128 | 5.062 | 7.370 | 8.411 | 10.495 | 9.615 | 17.724 |
| | TOTAL OBS | 810 | 749 | 821 | 798 | 822 | 790 | 827 | 817 | 791 | 817 | 790 | 810 | 9642 |
| -20 | MEAN | 22.5 | 25.4 | 35.9 | 44.8 | 54.2 | 62.8 | 67.0 | 66.9 | 59.4 | 46.4 | 37.8 | 28.2 | 46.2 |
| | S. D. | 12.072 | 12.088 | 10.619 | 9.614 | 8.476 | 6.942 | 5.326 | 5.473 | 7.861 | 8.527 | 10.228 | 10.466 | 17.963 |
| | TOTAL OBS | 781 | 717 | 814 | 775 | 811 | 772 | 815 | 802 | 781 | 810 | 759 | 796 | 9433 |
| 21-23 | MEAN | 21.7 | 23.7 | 34.1 | 42.9 | 51.9 | 60.1 | 64.6 | 64.7 | 57.3 | 44.9 | 36.7 | 27.5 | 44.3 |
| | S. D. | 12.483 | 12.881 | 10.734 | 9.867 | 8.746 | 7.325 | 5.935 | 5.748 | 8.044 | 8.452 | 10.233 | 10.737 | 17.642 |
| | TOTAL OBS | 760 | 708 | 815 | 776 | 811 | 775 | 813 | 751 | 759 | 773 | 790 | 797 | 9265 |
| ALL HOURS | MEAN | 22.1 | 24.1 | 34.7 | 43.2 | 52.[illegible] | [illegible]1.[illegible] | 65.5 | 65.6 | 58.4 | 46.1 | 37.7 | 27.7 | 45.1 |
| | S. D. | 12.461 | 12.637 | 11.226 | 10.131 | 9.[illegible] | 7.424 | 6.122 | 6.098 | 8.280 | 8.888 | 10.587 | 10.419 | 17.982 |
| | TOTAL OBS | 6281 | 5778 | 6553 | 6258 | 6[illegible] | 6291 | 6529 | 6312 | 6158 | 6358 | 6018 | 6332 | 75388 |

USAF ETAC FORM OCT 79 0-09-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

72[illegible]246 MANSFIELD LAHM MAP OH 73-81

STATION STATION NAME YEARS

| HRS. (L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV | DEC | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0-02 | MEAN | 17.4 | 17.9 | 27.7 | 36.1 | 46.0 | 56.3 | 61.0 | 61.9 | 54.2 | 40.5 | 32.1 | 22.9 | 39.8 |
| | S.D. | 13.909 | 14.152 | 12.115 | 10.717 | 10.537 | 8.412 | 6.804 | 6.602 | 8.836 | 9.653 | 11.077 | 11.946 | 18.902 |
| | TOTAL OBS | 756 | 684 | 818 | 755 | 814 | 780 | 810 | 717 | 700 | 719 | 655 | 719 | 8927 |
| 3-05 | MEAN | 17.3 | 17.4 | 27.3 | 35.1 | 45.5 | 55.4 | 60.3 | 61.1 | 53.3 | 40.1 | 31.6 | 22.3 | 39.4 |
| | S.D. | 14.273 | 14.483 | 12.426 | 10.658 | 10.417 | 8.442 | 6.985 | 6.911 | 9.106 | 9.777 | 11.053 | 11.889 | 18.815 |
| | TOTAL OBS | 746 | 686 | 817 | 770 | 817 | 791 | 809 | 782 | 757 | 774 | 681 | 753 | 9183 |
| 6-08 | MEAN | 16.5 | 16.9 | 27.8 | 35.9 | 47.0 | 57.0 | 61.7 | 62.1 | 54.1 | 40.1 | 32.2 | 22.1 | 39.5 |
| | S.D. | 14.373 | 14.630 | 12.647 | 10.511 | 10.185 | 7.835 | 6.290 | 6.452 | 8.846 | 9.758 | 11.472 | 11.695 | 19.336 |
| | TOTAL OBS | 819 | 750 | 822 | 794 | 822 | 794 | 814 | 818 | 787 | 825 | 797 | 822 | 9664 |
| 9-11 | MEAN | 17.4 | 18.9 | 29.4 | 37.4 | 48.4 | 58.1 | 62.6 | 63.9 | 56.0 | 42.0 | 33.6 | 23.0 | 41.0 |
| | S.D. | 13.936 | 13.759 | 12.617 | 10.961 | 10.826 | 8.227 | 6.652 | 6.371 | 8.934 | 9.797 | 11.511 | 11.193 | 19.328 |
| | TOTAL OBS | 810 | 749 | 825 | 797 | 816 | 794 | 824 | 813 | 793 | 815 | 801 | 817 | 9654 |
| 12-14 | MEAN | 18.5 | 20.6 | 30.3 | 37.9 | 48.5 | 58.1 | 62.2 | 63.5 | 55.5 | 42.0 | 33.9 | 24.0 | 41.6 |
| | S.D. | 13.359 | 13.016 | 12.608 | 11.172 | 10.929 | 8.213 | 7.052 | 6.754 | 9.387 | 9.789 | 11.684 | 10.916 | 18.784 |
| | TOTAL OBS | 799 | 743 | 821 | 789 | 819 | 795 | 817 | 812 | 795 | 821 | 791 | 818 | 9620 |
| 15-17 | MEAN | 18.5 | 21.1 | 30.5 | 38.0 | 48.3 | 57.7 | 61.9 | 63.2 | 55.2 | 41.9 | 33.8 | 24.0 | 41.3 |
| | S.D. | 13.034 | 12.934 | 12.106 | 11.203 | 10.867 | 8.426 | 7.186 | 6.852 | 9.697 | 9.957 | 11.672 | 11.252 | 18.626 |
| | TOTAL OBS | 810 | 749 | 821 | 798 | 822 | 790 | 827 | 817 | 791 | 817 | 790 | 810 | 9642 |
| 18-20 | MEAN | 17.7 | 19.9 | 29.4 | 37.3 | 47.6 | 57.5 | 62.1 | 63.3 | 55.3 | 40.7 | 32.9 | 23.8 | 40.9 |
| | S.D. | 13.448 | 13.670 | 11.814 | 11.350 | 10.987 | 8.836 | 7.000 | 6.742 | 9.390 | 9.717 | 11.071 | 11.824 | 18.958 |
| | TOTAL OBS | 781 | 717 | 814 | 778 | 811 | 772 | 815 | 802 | 781 | 810 | 759 | 796 | 9433 |
| 21-23 | MEAN | 17.4 | 18.8 | 28.7 | 36.8 | 47.0 | 57.0 | 61.7 | 62.7 | 54.7 | 40.3 | 32.2 | 23.2 | 40.2 |
| | S.D. | 13.441 | 14.096 | 11.753 | 11.158 | 10.868 | 8.391 | 6.805 | 6.388 | 8.953 | 9.388 | 10.906 | 11.789 | 18.894 |
| | TOTAL OBS | 760 | 708 | 815 | 776 | 811 | 778 | 813 | 751 | 758 | 773 | 740 | 797 | 9265 |
| ALL HOURS | MEAN | 17.6 | 19.0 | 28.9 | 36.8 | 47.3 | 57.[illegible] | 61.7 | 62.7 | 54.8 | 40.9 | 32.8 | 23.2 | 40.9 |
| | S.D. | 13.734 | 13.989 | 12.334 | 11.006 | 10.713 | 8.3[illegible] | 6.883 | 6.688 | 9.186 | 9.760 | 11.349 | 11.572 | 18.973 |
| | TOTAL OBS | 6281 | 5778 | 6883 | 6254 | 6532 | 6[illegible] | 6529 | 6317 | 6188 | 6354 | 6014 | 6332 | 75386 |

USAF ETAC FORM OCT 70 0-89-6 (DL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

| 725246 | MANSFIELD LAHM MAP OH | 73-81 | JAN |
|---|---|---|---|
| STATION | STATION NAME | PERIOD | MONTH |

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

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 98.3 | 93.5 | 78.2 | 54.1 | 22.5 | 80.2 | 755 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 98.7 | 93.7 | 80.8 | 56.3 | 24.9 | 80.9 | 746 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 96.7 | 85.3 | 62.9 | 28.7 | 82.9 | 819 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.9 | 98.4 | 92.6 | 76.7 | 53.0 | 22.5 | 80.1 | 810 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 99.1 | 94.6 | 80.1 | 59.2 | 35.9 | 13.1 | 74.0 | 799 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 97.9 | 93.6 | 81.5 | 58.6 | 32.3 | 12.3 | 73.2 | 813 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.9 | 96.8 | 89.8 | 70.6 | 42.4 | 17.0 | 77.0 | 781 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.5 | 98.6 | 92.2 | 74.7 | 47.9 | 19.6 | 78.5 | 760 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.5 | 97.3 | 90.0 | 73.0 | 46.1 | 20.3 | 78.4 | 6281 |

USAFETAC FORM 0-67-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

72246 | MANSFIELD LAHM MAP OH | 73-81 | FEB
STATION | STATION NAME | PERIOD | MONTH

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

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| FEB | 00-02 | 100.0 | 100.0 | 100.0 | 99.4 | 94.3 | 87.4 | 69.4 | 44.6 | 19.7 | 77.1 | 684 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 99.1 | 95.9 | 87.6 | 73.0 | 44.8 | 19.2 | 77.8 | 686 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.3 | 98.7 | 91.6 | 80.1 | 53.3 | 25.1 | 80.3 | 750 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 99.5 | 96.8 | 88.7 | 70.0 | 42.7 | 17.8 | 77.2 | 749 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 98.0 | 88.3 | 74.7 | 50.6 | 25.7 | 9.0 | 70.3 | 743 |
| | 15-17 | 100.0 | 100.0 | 99.9 | 97.2 | 89.2 | 72.9 | 47.0 | 25.5 | 10.5 | 69.7 | 749 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.3 | 94.0 | 81.5 | 59.7 | 33.3 | 13.2 | 73.8 | 717 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 96.0 | 87.0 | 68.4 | 39.7 | 16.3 | 76.4 | 700 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.0 | 94.2 | 83.9 | 64.8 | 36.7 | 16.4 | 75.3 | 5778 |

72246

USAFETAC FORM 0-67-9 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

725246 | MANSFIELD LAHM MAP OH | 73-81 | MAR
STATION | STATION NAME | PERIOD | MONTH

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

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAR | 00-02 | 100.0 | 100.0 | 99.9 | 99.5 | 93.2 | 85.0 | 62.6 | 36.8 | 10.3 | 74.3 | 818 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 99.8 | 96.1 | 86.9 | 70.9 | 42.0 | 14.3 | 76.5 | 617 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.9 | 96.4 | 90.0 | 74.7 | 51.0 | 20.4 | 78.8 | 822 |
| | 09-11 | 100.0 | 100.0 | 99.9 | 97.1 | 87.5 | 72.7 | 53.5 | 32.7 | 12.5 | 71.3 | 825 |
| | 12-14 | 100.0 | 100.0 | 97.9 | 90.3 | 74.9 | 53.1 | 34.7 | 20.2 | 7.2 | 63.6 | 821 |
| | 15-17 | 100.0 | 100.0 | 96.3 | 87.8 | 71.9 | 52.7 | 30.9 | 18.3 | 7.1 | 62.2 | 824 |
| | 18-20 | 100.0 | 100.0 | 99.0 | 94.5 | 82.8 | 65.0 | 42.9 | 23.1 | 7.1 | 67.3 | 814 |
| | 21-23 | 100.0 | 100.0 | 99.9 | 98.4 | 91.5 | 79.9 | 56.3 | 32.6 | 9.2 | 72.2 | 815 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.1 | 95.9 | 86.8 | 73.2 | 53.3 | 32.1 | 11.0 | 70.7 | 6553 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

| 720246 | MANSFIELD LAHM MAP OH | 73-81 | APR |
|---|---|---|---|
| STATION | STATION NAME | PERIOD | MONTH |

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

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| APR | 00-02 | 100.0 | 100.0 | 100.0 | 97.9 | 92.2 | 79.6 | 60.4 | 33.5 | 11.5 | 73.2 | 755 |
| | 03-05 | 100.0 | 100.0 | 99.9 | 97.8 | 94.4 | 84.4 | 64.8 | 40.8 | 13.2 | 75.4 | 775 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 98.6 | 93.3 | 82.4 | 65.2 | 45.0 | 16.6 | 75.7 | 794 |
| | 09-11 | 100.0 | 100.0 | 98.4 | 90.5 | 74.3 | 56.7 | 37.4 | 24.1 | 9.2 | 64.7 | 797 |
| | 12-14 | 100.0 | 100.0 | 94.0 | 78.5 | 58.2 | 37.6 | 23.6 | 16.2 | 6.5 | 57.1 | 789 |
| | 15-17 | 100.0 | 100.0 | 92.0 | 72.4 | 52.4 | 35.0 | 24.8 | 15.7 | 5.4 | 55.6 | 798 |
| | 18-20 | 100.0 | 100.0 | 97.7 | 85.2 | 67.5 | 49.3 | 32.4 | 20.1 | 6.7 | 61.6 | 775 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 97.8 | 86.2 | 68.8 | 48.8 | 28.0 | 8.1 | 69.6 | 776 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 97.8 | 89.8 | 77.3 | 61.7 | 44.7 | 27.9 | 9.7 | 66.6 | 6254 |



2047

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

72[illegible]246 | MANSFIELD LAHM MAP OH | 73-81 | MAY
STATION | STATION NAME | PERIOD | MONTH

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

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAY | 00-02 | 100.0 | 100.0 | 100.0 | 98.5 | 94.1 | 82.8 | 68.7 | 50.9 | 23.6 | 77.8 | 814 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 99.9 | 96.0 | 87.9 | 74.4 | 56.3 | 31.5 | 80.5 | 817 |
| | 06-08 | 100.0 | 100.0 | 99.9 | 99.8 | 94.4 | 83.6 | 69.6 | 49.9 | 25.9 | 78.2 | 622 |
| | 09-11 | 100.0 | 100.0 | 98.2 | 91.3 | 74.8 | 56.4 | 38.6 | 24.5 | 10.0 | 65.0 | 816 |
| | 12-14 | 100.0 | 100.0 | 95.4 | 79.9 | 56.9 | 38.9 | 26.0 | 15.8 | 4.3 | 57.4 | 819 |
| | 15-17 | 100.0 | 100.0 | 93.4 | 73.5 | 52.6 | 35.5 | 24.1 | 14.7 | 3.9 | 55.4 | 822 |
| | 18-20 | 100.0 | 100.0 | 96.8 | 85.3 | 69.1 | 51.3 | 37.1 | 24.5 | 9.2 | 63.1 | 811 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 96.5 | 87.7 | 74.1 | 57.5 | 42.0 | 17.3 | 73.4 | 811 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 98.0 | 90.6 | 78.2 | 63.8 | 49.5 | 34.8 | 15.7 | 68.9 | 6532 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

72[illegible]246 | MANSFIELD LAHM MAP OH | 73-81 | JUN
STATION | STATION NAME | PERIOD | MONTH

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

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUN | 00-02 | 100.0 | 100.0 | 100.0 | 99.9 | 99.5 | 96.7 | 82.7 | 55.3 | 25.6 | 82.[illegible] | 780 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 98.4 | 90.3 | 67.3 | 34.4 | 85.[illegible] | 791 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.2 | 93.8 | 80.5 | 55.7 | 23.2 | 81.[illegible] | 794 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 97.7 | 86.0 | 66.4 | 40.9 | 18.5 | 6.2 | 67.3 | 794 |
| | 12-14 | 100.0 | 100.0 | 99.5 | 92.1 | 68.6 | 41.9 | 23.6 | 12.1 | 3.0 | 59.8 | 795 |
| | 15-17 | 100.0 | 100.0 | 99.5 | 87.2 | 58.4 | 35.3 | 20.9 | 11.6 | 4.4 | 57.5 | 790 |
| | 18-20 | 100.0 | 100.0 | 99.5 | 95.2 | 79.1 | 57.8 | 37.0 | 20.2 | 6.0 | 65.[illegible] | 772 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.7 | 98.8 | 90.3 | 67.1 | 45.2 | 15.0 | 77.4 | 775 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.8 | 96.5 | 86.1 | 72.6 | 55.4 | 35.7 | 14.7 | 71.9 | 6291 |

USAFETAC FORM 0-67-5 (OL A)

2048

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

72?246 — STATION
MANSFIELD LAHM MAP OH — STATION NAME
73-81 — PERIOD
JUL — MONTH

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

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUL | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 98.3 | 84.8 | 56.7 | 21.4 | 82.1 | 610 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 98.9 | 91.3 | 71.9 | 30.8 | 85.4 | 639 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.1 | 83.2 | 60.7 | 24.7 | 82.3 | 614 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 98.8 | 87.4 | 64.4 | 38.3 | 19.8 | 5.8 | 66.9 | 824 |
| | 12-14 | 100.0 | 100.0 | 99.9 | 92.3 | 65.1 | 37.2 | 21.4 | 10.3 | 2.6 | 58.5 | 817 |
| | 15-17 | 100.0 | 100.0 | 99.0 | 87.5 | 58.8 | 34.6 | 19.3 | 11.6 | 2.4 | 57.0 | 827 |
| | 18-20 | 100.0 | 100.0 | 99.9 | 96.2 | 82.1 | 58.2 | 32.8 | 13.9 | 6.3 | 65.1 | 815 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 99.8 | 92.9 | 70.1 | 45.2 | 14.3 | 77.6 | 613 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.9 | 96.9 | 86.6 | 72.7 | 55.2 | 36.3 | 13.5 | 71.9 | 6529 |

USAFETAC FORM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

725246 | MANSFIELD LAHM MAP OH | 73-81 | AUG
STATION | STATION NAME | PERIOD | MONTH

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

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| AUG | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 96.5 | 78.9 | 33.1 | 86.9 | 717 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 98.3 | 87.1 | 44.0 | 89.1 | 762 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 95.4 | 83.0 | 41.1 | 88.1 | 813 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 100.0 | 97.0 | 83.4 | 62.7 | 36.2 | 11.8 | 74.8 | 813 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 98.0 | 83.3 | 55.5 | 32.4 | 16.1 | 6.2 | 64.8 | 812 |
| | 15-17 | 100.0 | 100.0 | 99.5 | 96.2 | 78.8 | 50.1 | 29.6 | 14.6 | 4.8 | 62.9 | 817 |
| | 18-20 | 100.0 | 100.0 | 99.9 | 99.0 | 93.4 | 81.4 | 57.0 | 31.9 | 9.1 | 72.9 | 802 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 91.2 | 65.1 | 20.6 | 83.4 | 751 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.9 | 99.2 | 94.1 | 83.7 | 70.4 | 51.6 | 21.3 | 77.9 | 6312 |

USAFETAC FORM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

| 7[illegible]246 | MANSFIELD LAHM MAP OH | 73-81 | SEP |
|---|---|---|---|
| STATION | STATION NAME | PERIOD | MONTH |

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

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| SEP | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.3 | 91.3 | 72.6 | 25.1 | 85.0 | 703 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.5 | 95.5 | 79.0 | 31.3 | 86.7 | 757 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 99.2 | 95.7 | 78.4 | 37.1 | 87.1 | 787 |
| | 09-11 | 100.0 | 100.0 | 99.9 | 99.4 | 93.8 | 79.4 | 57.6 | 31.4 | 11.2 | 73.2 | 793 |
| | 12-14 | 100.0 | 100.0 | 99.5 | 94.0 | 75.2 | 48.8 | 28.6 | 13.3 | 6.8 | 62.4 | 795 |
| | 15-17 | 100.0 | 100.0 | 98.6 | 89.0 | 68.5 | 44.6 | 26.2 | 14.3 | 5.2 | 60.4 | 791 |
| | 18-20 | 100.0 | 100.0 | 99.7 | 98.3 | 92.8 | 77.5 | 56.0 | 32.0 | 8.3 | 72.3 | 781 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 100.0 | 99.6 | 95.9 | 81.8 | 57.3 | 18.0 | 81.2 | 754 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.7 | 97.6 | 91.2 | 80.5 | 66.6 | 47.5 | 17.9 | 76.0 | 6158 |

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

| 720246 | MANSFIELD LAHM MAP OH | 73-81 | OCT |
|---|---|---|---|
| STATION | STATION NAME | PERIOD | MONTH |

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

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| OCT | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 95.5 | 86.6 | 72.2 | 42.8 | 14.3 | 76.9 | 719 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 99.7 | 97.2 | 90.4 | 77.3 | 47.5 | 18.2 | 79.6 | 774 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 100.0 | 98.2 | 93.6 | 78.3 | 54.4 | 20.6 | 80.4 | 825 |
| | 09-11 | 100.0 | 100.0 | 99.8 | 98.9 | 88.7 | 68.2 | 43.2 | 27.5 | 11.4 | 69.4 | 815 |
| | 12-14 | 100.0 | 100.0 | 99.8 | 89.3 | 62.7 | 37.4 | 21.7 | 14.3 | 5.7 | 58.8 | 821 |
| | 15-17 | 100.0 | 100.0 | 98.3 | 84.6 | 57.5 | 35.3 | 22.9 | 12.7 | 5.3 | 57.4 | 817 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 97.0 | 85.8 | 66.3 | 39.3 | 21.1 | 7.5 | 67.5 | 817 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.6 | 92.2 | 81.8 | 59.2 | 30.9 | 11.9 | 73.4 | 773 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.7 | 96.1 | 84.7 | 70.0 | 51.8 | 31.4 | 11.9 | 70.4 | 6354 |

USAFETAC FORM 0-8 D-807-3 (OL A)

2050

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

| 739246 | MANSFIELD LAHM MAP OH | 73-81 | NOV |
|---|---|---|---|
| STATION | STATION NAME | PERIOD | MONTH |

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

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| NOV | 00-02 | 100.0 | 100.0 | 99.5 | 99.4 | 96.8 | 90.1 | 73.3 | 48.2 | 11.1 | 77.3 | 655 |
| | 03-05 | 100.0 | 100.0 | 99.7 | 99.4 | 96.6 | 92.4 | 75.3 | 51.4 | 15.3 | 78.6 | 681 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.6 | 97.1 | 93.4 | 80.6 | 56.6 | 23.1 | 80.6 | 797 |
| | 09-11 | 100.0 | 100.0 | 99.5 | 98.4 | 93.8 | 84.1 | 63.7 | 37.2 | 12.7 | 74.4 | 801 |
| | 12-14 | 100.0 | 99.9 | 98.6 | 92.8 | 81.2 | 62.3 | 42.5 | 22.6 | 7.5 | 66.3 | 791 |
| | 15-17 | 100.0 | 100.0 | 98.7 | 93.2 | 79.0 | 63.9 | 40.9 | 23.5 | 8.9 | 66.4 | 790 |
| | 18-20 | 100.0 | 100.0 | 99.6 | 98.4 | 94.9 | 80.9 | 58.2 | 32.4 | 11.1 | 73.0 | 759 |
| | 21-23 | 100.0 | 100.0 | 99.7 | 99.2 | 95.4 | 87.7 | 68.1 | 36.5 | 8.0 | 75.1 | 740 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 99.4 | 97.6 | 91.9 | 81.9 | 62.8 | 38.6 | 12.2 | 74.0 | 6014 |

USAFETAC FORM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

72[illegible]246 | MANSFIELD LAHM MAP OH | 73-81 | DEC
STATION | STATION NAME | PERIOD | MONTH

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

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| DEC | 00-02 | 100.0 | 100.0 | 100.0 | 100.0 | 96.4 | 90.1 | 73.0 | 5[illegible].5 | 22.8 | 78.9 | 719 |
| | 03-05 | 100.0 | 100.0 | 100.0 | 99.3 | 97.5 | 90.7 | 74.2 | 51.1 | 25.8 | 79.4 | 753 |
| | 06-08 | 100.0 | 100.0 | 100.0 | 99.9 | 98.7 | 92.5 | 78.8 | 57.4 | 30.4 | 81.5 | 822 |
| | 09-11 | 100.0 | 100.0 | 100.0 | 100.0 | 97.4 | 88.4 | 70.5 | 49.4 | 22.5 | 78.7 | 817 |
| | 12-14 | 100.0 | 100.0 | 100.0 | 98.8 | 91.9 | 76.9 | 57.1 | 36.7 | 17.4 | 73.7 | 818 |
| | 15-17 | 100.0 | 100.0 | 100.0 | 98.6 | 92.7 | 79.1 | 55.8 | 34.4 | 16.7 | 73.6 | 813 |
| | 18-20 | 100.0 | 100.0 | 100.0 | 99.9 | 96.6 | 89.1 | 69.1 | 44.7 | 21.0 | 77.8 | 796 |
| | 21-23 | 100.0 | 100.0 | 100.0 | 99.9 | 97.0 | 90.8 | 70.9 | 45.9 | 21.6 | 78.5 | 797 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 100.0 | 100.0 | 100.0 | 99.6 | 96.0 | 87.2 | 68.7 | 46.3 | 22.3 | 77.8 | 6332 |

USAFETAC FORM 8-67-8 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

| 72246 | MANSFIELD LAHM MAP OH | 73-81 | ALL |
|---|---|---|---|
| STATION | STATION NAME | PERIOD | MONTH |

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

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | ALL | 100.0 | 100.0 | 100.0 | 99.5 | 97.3 | 90.0 | 73.0 | 43.1 | 20.3 | 78.4 | 6281 |
| FEB | | 100.0 | 100.0 | 100.0 | 99.0 | 94.2 | 83.9 | 64.8 | 36.7 | 16.4 | 75.3 | 5778 |
| MAR | | 100.0 | 100.0 | 99.1 | 95.9 | 86.8 | 73.2 | 53.3 | 32.1 | 11.0 | 70.7 | 6553 |
| APR | | 100.0 | 100.0 | 97.8 | 89.8 | 77.3 | 61.7 | 44.7 | 27.9 | 9.7 | 66.6 | 6254 |
| MAY | | 100.0 | 100.0 | 98.0 | 90.6 | 78.2 | 63.8 | 49.5 | 34.8 | 15.7 | 68.9 | 6532 |
| JUN | | 100.0 | 100.0 | 99.8 | 96.5 | 86.1 | 72.6 | 55.4 | 35.7 | 14.7 | 71.9 | 6291 |
| JUL | | 100.0 | 100.0 | 99.9 | 96.9 | 86.6 | 72.7 | 55.2 | 36.3 | 13.5 | 71.9 | 6529 |
| AUG | | 100.0 | 100.0 | 99.9 | 99.2 | 94.1 | 83.7 | 70.4 | 51.6 | 21.3 | 77.9 | 6312 |
| SEP | | 100.0 | 100.0 | 99.7 | 97.6 | 91.2 | 80.5 | 66.6 | 47.5 | 17.9 | 76.0 | 6158 |
| OCT | | 100.0 | 100.0 | 99.7 | 96.1 | 89.7 | 70.0 | 51.8 | 31.4 | 11.9 | 70.4 | 6354 |
| NOV | | 100.0 | 100.0 | 99.4 | 97.6 | 91.9 | 81.9 | 62.8 | 38.6 | 12.2 | 74.0 | 6014 |
| DEC | | 100.0 | 100.0 | 100.0 | 99.6 | 96.0 | 87.2 | 68.7 | 46.3 | 22.3 | 77.8 | 6332 |
| TOTALS | | 100.0 | 100.0 | 99.4 | 96.5 | 88.7 | 76.8 | 59.7 | 39.1 | 15.6 | 73.3 | 75386 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

# PART F PRESSURE SUMMARY

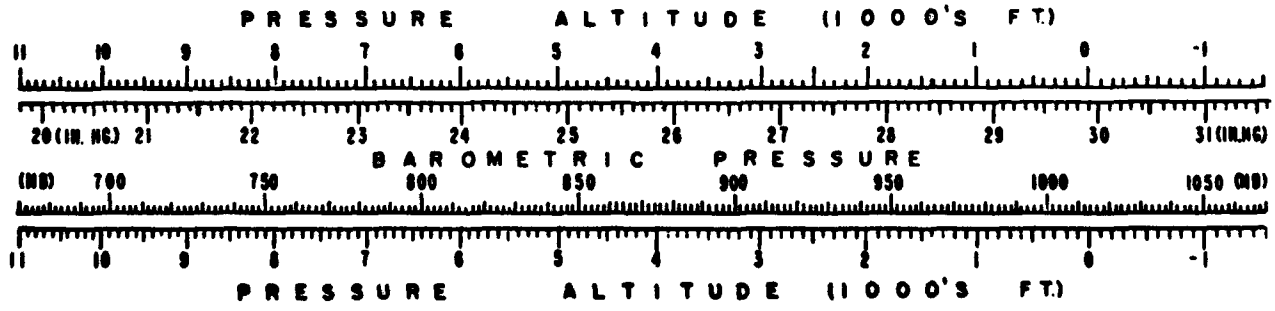
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided 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.




F

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS)

| HRS. (L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | MEAN | 1008.3 | | 1013.0 | 998.5 | | 1011.2 | 1018.7 | | | | 1028.2 | 1002.1 | 1008.9 |
| | S. D. | 9.047 | | | | | | | | | | | | 9.524 |
| | TOTAL OBS | 7 | | 1 | 2 | | 2 | 1 | | | | 1 | 2 | 16 |
| 4 | MEAN | 1010.4 | | | | | 1010.5 | | 1017.1 | 1016.2 | 1018.5 | | 1003.4 | 1016.2 |
| | S. D. | 6.739 | | | | | | | 4.019 | 4.921 | 7.219 | | | 6.226 |
| | TOTAL OBS | 6 | | | | | 3 | | 27 | 30 | 24 | | 2 | 92 |
| 7 | MEAN | 1018.6 | 1019.0 | 1016.2 | 1016.9 | 1015.3 | 1016.3 | 1017.2 | 1018.7 | 1018.6 | 1019.3 | 1018.8 | 1018.5 | 1017.8 |
| | S. D. | 9.305 | 9.047 | 9.034 | 8.209 | 5.789 | 5.614 | 4.205 | 4.023 | 5.115 | 7.028 | 7.762 | 8.752 | 7.324 |
| | TOTAL OBS | 274 | 250 | 276 | 262 | 275 | 266 | 271 | 276 | 263 | 273 | 266 | 272 | 3229 |
| 10 | MEAN | 1019.5 | 1019.6 | 1016.9 | 1017.2 | 1015.6 | 1016.7 | 1017.5 | 1019.1 | 1019.2 | 1019.9 | 1019.6 | 1019.1 | 1018.3 |
| | S. D. | 9.333 | 9.445 | 9.026 | 8.319 | 5.691 | 5.597 | 4.348 | 3.991 | 5.072 | 6.997 | 7.685 | 8.903 | 7.411 |
| | TOTAL OBS | 270 | 250 | 278 | 265 | 271 | 264 | 273 | 267 | 264 | 272 | 266 | 274 | 3214 |
| 13 | MEAN | 1018.3 | 1018.8 | 1016.4 | 1016.7 | 1015.1 | 1016.1 | 1017.1 | 1018.5 | 1018.4 | 1018.8 | 1018.5 | 1017.9 | 1017.9 |
| | S. D. | 9.431 | 9.418 | 8.517 | 8.116 | 5.420 | 5.452 | 4.227 | 3.780 | 4.825 | 6.842 | 7.508 | 8.917 | 7.226 |
| | TOTAL OBS | 273 | 244 | 274 | 264 | 271 | 267 | 265 | 270 | 260 | 275 | 266 | 271 | 3200 |
| 16 | MEAN | 1018.0 | 1018.1 | 1015.4 | 1015.5 | 1014.2 | 1015.4 | 1016.2 | 1017.6 | 1017.3 | 1018.1 | 1018.0 | 1017.7 | 1016.8 |
| | S. D. | 9.057 | 9.256 | 8.026 | 7.828 | 5.442 | 5.280 | 4.270 | 3.859 | 4.715 | 6.594 | 7.356 | 8.760 | 7.048 |
| | TOTAL OBS | 273 | 250 | 265 | 258 | 269 | 261 | 268 | 275 | 267 | 271 | 261 | 271 | 3189 |
| 19 | MEAN | 1015.6 | 1015.3 | 1002.2 | 1002.4 | 1007.8 | 1011.4 | 1012.4 | 1013.9 | 1008.2 | 1018.9 | | 1006.9 | 1010.8 |
| | S. D. | 4.840 | | | 4.173 | 3.851 | 4.287 | 3.346 | 4.462 | | | | | 5.782 |
| | TOTAL OBS | 5 | 3 | 2 | 6 | 9 | 22 | 12 | 11 | 3 | 1 | | 2 | 76 |
| 22 | MEAN | 1013.9 | 1009.9 | 1003.0 | 1001.2 | 1017.0 | 1009.2 | 1015.7 | 1013.7 | | 1025.0 | | 1003.7 | 1010.9 |
| | S. D. | 6.284 | | | | | 4.943 | | | | | | | 6.927 |
| | TOTAL OBS | 5 | 1 | 1 | 3 | 1 | 6 | 3 | 2 | | 1 | | 2 | 27 |
| ALL HOURS | MEAN | 1018.4 | 1018.8 | 1016.2 | 1016.4 | 1015.0 | 1016.0 | 1017.0 | 1018.4 | 1018.3 | 1019.0 | 1018.7 | 1018.2 | 1017.5 |
| | S. D. | 9.300 | 9.303 | 8.686 | 8.249 | 5.619 | 5.560 | 4.298 | 3.986 | 5.089 | 6.890 | 7.595 | 8.893 | 7.293 |
| | TOTAL OBS | 1113 | 998 | 1097 | 1060 | 1098 | 1093 | 1093 | 1128 | 1087 | 1113 | 1060 | 1096 | 13038 |

USAF ETAC FORM OCT 78 0-09-5 (DL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

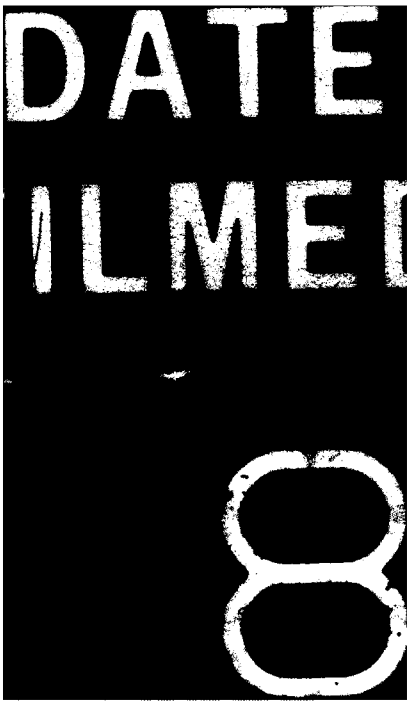
# MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

725246 (STATION) MANSFIELD LAHM MAP OH (STATION NAME) 73-81 (YEARS)

| HRS. (L.S.T.) | | JAN. | FEB. | MAR. | APR. | MAY | JUN. | JUL. | AUG. | SEP. | OCT. | NOV. | DEC. | ANNUAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 01 | MEAN | 28.618 | 28.641 | 28.589 | 28.608 | 28.583 | 28.625 | 28.655 | 28.700 | 28.690 | 28.678 | 28.663 | 28.632 | 28.638 |
| | S. D. | .253 | .232 | .222 | .220 | .150 | .143 | .112 | .102 | .131 | .181 | .204 | .231 | .192 |
| | TOTAL OBS | 274 | 246 | 274 | 260 | 274 | 263 | 271 | 248 | 234 | 248 | 236 | 242 | 3070 |
| 4 | MEAN | 28.620 | 28.633 | 28.573 | 28.601 | 28.572 | 28.615 | 28.648 | 28.688 | 28.677 | 28.670 | 28.659 | 28.637 | 28.632 |
| | S. D. | .258 | .239 | .234 | .223 | .154 | .150 | .114 | .106 | .134 | .186 | .208 | .233 | .196 |
| | TOTAL OBS | 269 | 247 | 278 | 266 | 274 | 267 | 269 | 275 | 267 | 263 | 236 | 242 | 3153 |
| 7 | MEAN | 28.629 | 28.645 | 28.589 | 28.624 | 28.596 | 28.638 | 28.668 | 28.708 | 28.695 | 28.693 | 28.666 | 28.639 | 28.649 |
| | S. D. | .249 | .240 | .243 | .224 | .159 | .155 | .116 | .109 | .139 | .191 | .211 | .236 | .199 |
| | TOTAL OBS | 272 | 252 | 276 | 264 | 274 | 266 | 271 | 276 | 262 | 272 | 266 | 271 | 3222 |
| 10 | MEAN | 28.652 | 28.664 | 28.608 | 28.635 | 28.606 | 28.649 | 28.678 | 28.722 | 28.712 | 28.713 | 28.691 | 28.655 | 28.665 |
| | S. D. | .259 | .252 | .246 | .228 | .157 | .155 | .120 | .109 | .137 | .192 | .209 | .241 | .202 |
| | TOTAL OBS | 271 | 249 | 278 | 265 | 271 | 264 | 272 | 270 | 267 | 271 | 266 | 273 | 3217 |
| 13 | MEAN | 28.625 | 28.645 | 28.597 | 28.621 | 28.593 | 28.634 | 28.669 | 28.707 | 28.694 | 28.685 | 28.664 | 28.624 | 28.646 |
| | S. D. | .255 | .252 | .231 | .224 | .150 | .151 | .116 | .105 | .132 | .188 | .206 | .242 | .196 |
| | TOTAL OBS | 272 | 243 | 275 | 263 | 271 | 266 | 271 | 268 | 263 | 275 | 265 | 273 | 3205 |
| 16 | MEAN | 28.615 | 28.624 | 28.570 | 28.591 | 28.564 | 28.614 | 28.644 | 28.678 | 28.662 | 28.666 | 28.647 | 28.618 | 28.625 |
| | S. D. | .249 | .246 | .220 | .214 | .148 | .146 | .116 | .105 | .127 | .183 | .201 | .238 | .192 |
| | TOTAL OBS | 274 | 250 | 274 | 266 | 275 | 262 | 274 | 275 | 267 | 272 | 261 | 271 | 3221 |
| 19 | MEAN | 28.635 | 28.636 | 28.580 | 28.598 | 28.568 | 28.606 | 28.639 | 28.677 | 28.664 | 28.678 | 28.661 | 28.634 | 28.631 |
| | S. D. | .242 | .240 | .213 | .213 | .146 | .147 | .114 | .103 | .129 | .180 | .199 | .235 | .189 |
| | TOTAL OBS | 273 | 252 | 271 | 264 | 269 | 264 | 272 | 272 | 263 | 276 | 262 | 271 | 3209 |
| 22 | MEAN | 28.643 | 28.643 | 28.593 | 28.617 | 28.588 | 28.624 | 28.657 | 28.697 | 28.683 | 28.689 | 28.668 | 28.638 | 28.646 |
| | S. D. | .242 | .233 | .214 | .213 | .148 | .144 | .108 | .101 | .128 | .183 | .200 | .231 | .188 |
| | TOTAL OBS | 266 | 251 | 270 | 267 | 272 | 268 | 275 | 276 | 265 | 273 | 264 | 271 | 3186 |
| ALL HOURS | MEAN | 28.630 | 28.641 | 28.587 | 28.612 | 28.584 | 28.624 | 28.657 | 28.697 | 28.683 | 28.684 | 28.665 | 28.635 | 28.641 |
| | S. D. | .251 | .242 | .226 | .226 | .152 | .149 | .113 | .106 | .133 | .186 | .205 | .236 | .195 |
| | TOTAL OBS | 2171 | 1990 | 2196 | 2118 | 2186 | 2120 | 2178 | 2130 | 2088 | 2150 | 2054 | 2114 | 25485 |

USAF ETAC FORM OCT 79 0-69-8 (DL A)


DATE
ILME
8