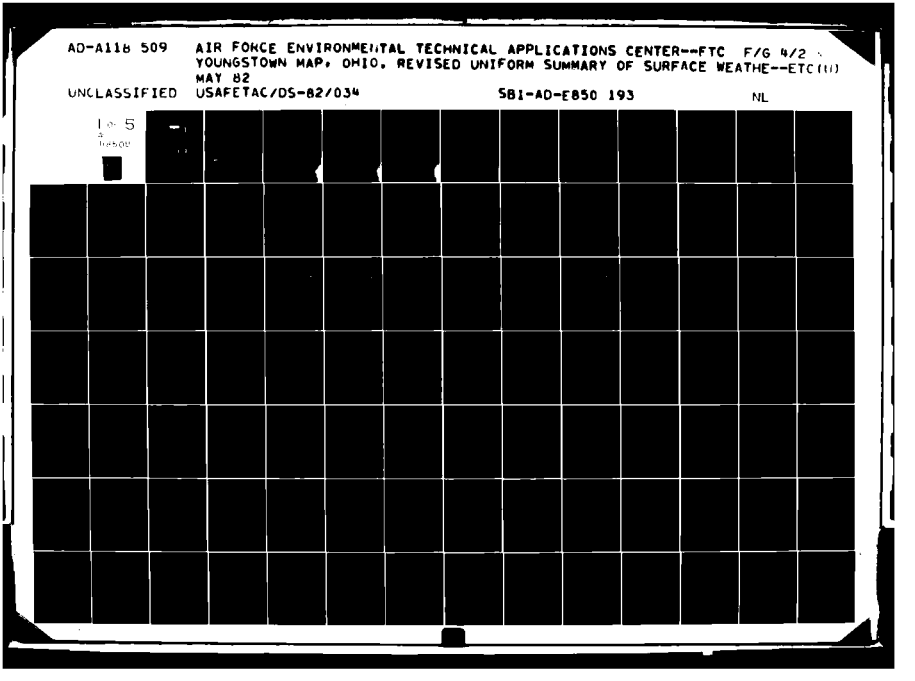
AD-A118 509 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--FTC F/G 4/2
YOUNGSTOWN MAP, OHIO, REVISED UNIFORM SUMMARY OF SURFACE WEATHE--ETC(U)
MAY 82

UNCLASSIFIED USAFETAC/DS-82/034 SBI-AD-E850 193 NL



PHOTOGRAPH THIS SHEET

AD-E850193

AD A118509

DTIC ACCESSION NUMBER

III

LEVEL

[redacted]

ATTENTION:
Camera Operator
When Filming attached document
use Bell & Howell camera ONLY!!!

Consult with Supervisor for
further instructions.

INVENTORY

USAFETAC/DS-82/034

DOCUMENT IDENTIFICATION

10 Jun. 82

DISTRIBUTION STATEMENT A
Approved for public release;
Distribution Unlimited

DISTRIBUTION STATEMENT

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

DISTRIBUTION STAMP

DTIC
ELECTE
S AUG 23 1982 D
D

DATE ACCESSIONED

DTIC COPY INSPECTED

82 08 02 136

DATE RECEIVED IN DTIC

PHOTOGRAPH THIS SHEET AND RETURN TO DTIC-DDA-2

DTIC FORM OCT 79 70A

DOCUMENT PROCESSING SHEET

ADF 850 193

AD A118509 = USAFETAC/DS-82/034

DATA PROCESSING DIVISION
USAF ETAC
Air Weather Service (MAC)

AWS TECHNICAL LIBRARY
FL 4113
SCOTT AFB, IL 62225

14 JUN 1982

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

YOUNGSTOWN MAP OH MSC #725250
N 41 16 W 080 40 FLD ELEV 1196 FT YNG

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

POR FROM DAILY OBS: JAN 48 - DEC 81

TIME CONVERSION GMT TO LST: -5

JUN 10 1982

FEDERAL BUILDING
ASHEVILLE, N. C.

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

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

Walter S. Burgmann

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

UNCLASSIFIED
SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

ADE 850 193

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS- 82/034	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- YOUNGSTOWN 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 10 MAY 1982 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 statistical summary of surface weather observations for YOUNGSTOWN 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 YOUNGSTOWN 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.

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

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY
OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are edited hourly 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 hourly-special reports, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Following 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. The stations are prepared from hourly and daily observations recorded by stations operated by the U. S. Weather Service and some foreign stations with similar reporting practices.

This Weather Service noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PARTC 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 three-hour periods corresponding to the following sets of hourly observations: 0100-0400, 0400-0700, 0700-1000, 1000-1300, 1300-1600, 1600-1900, 1900-2200, 2200-0100 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	WMO NUMBER
725250	YOUNGSTOWN MAP, OH	N 41 16	W 080 40	1196	YNG	72525

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION FROM	AT THIS LOCATION TO	LATITUDE	LONGITUDE	ELEVATION ABOVE MSL FIELD (FT)	ELEVATION ABOVE MSL HT. BARO.	OBS PER DAY
1	Youngstown MAP, Ohio	CAA	13 Apr42	9 Sep43	N 41 16	W 080 40	1196ft	1199ft	12
2	Same	WBO	9 Sep 43	1 May81	Same	Same	Same	Same	24
			2 May 81	Feb 82	Same	Same	Same	Same	24

May 81... lastest date NW Stn History

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION: LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
2	11 Aug51	Located on Roof of Adm Bldg.	**	**	62	Earlist documented recorder sheet 11 Aug 51
	1 Nov58 to 1 May81	Located on field near runway	F-420-C 3 CUP	Gust recorder	20	
	1 Sep59	Located on field near runway wind transmitter			**	HYGROTHERMOMETER put in use

** NOT DOCUMENTED

USAFETAC FORM NOV 73 0-19 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

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.

...AL CLIMATOLOGY BRANCH
...TAC
...EATHER SERVICE/MAC

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
...	YOUNGSTOWN MAP OH	73-81	JAN

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	0-02		5.8	1.1	32.3		39.1	10.3	6.7	3.2		19.7	823
	03-05		5.3	1.3	34.5		40.2	12.0	7.5	3.1		22.1	814
	06-08		5.3	1.1	36.3		42.7	13.6	11.8	3.4		28.2	825
	09-11		5.4	1.6	36.4		42.9	18.9	18.2	4.2		40.6	818
	12-14		5.7	.7	33.5		40.8	12.9	15.2	4.9		32.9	823
	15-17		5.6	.2	31.3		36.2	9.9	10.7	3.5		24.1	821
	18-20		5.2	.4	29.6		35.1	8.5	8.9	2.9		20.3	827
	21-23		6.1	1.6	31.5		38.6	8.5	9.1	2.9		19.4	826
TOTALS			5.7	1.1	33.1		39.5	11.8	10.9	3.5		25.9	6577

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

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

[redacted]

[redacted] CLIMATOLOGY BRANCH
[redacted]TAC
[redacted] WEATHER SERVICE/MAC

WEATHER CONDITIONS

[redacted] | [redacted] | 73-81 | FEB
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.
[redacted]	[redacted]	.1	[redacted]	.5	25.7		33.7	10.3	3.7	2.1		15.4	751
	[redacted]	.1	6.2	.5	28.1		34.5	13.7	5.6	1.7		18.7	744
	[redacted]		[redacted]	.9	28.5		34.5	15.6	3.3	.5		23.7	748
	[redacted]		[redacted]	1.1	26.9		32.7	15.8	[redacted]	1.1		35.7	739
	12-14		6.9	.3	22.9		29.7	9.1	15.5	2.7		26.4	752
	15-17		6.5	.3	22.6		29.3	9.3	9.4	2.7		21.4	752
	[redacted]	.1	6.9	.4	22.1		29.3	9.5	7.3	2.3		19.6	749
	21-23	.1	7.5	.3	21.7		29.7	10.8	3.3	1.3		15.5	748
TOTALS		.1	[redacted]	.5	24.9		31.7	11.7	9.2	1.7		22.1	5981

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

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

[redacted]

...AL CLIMATOLOGY BRANCH
...EAC
...EATHER SERVICE/MAC

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
...	YOUNGSTOWN MAP OH	73-81	MAR

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
...	0-02	.4	10.9	.4	13.3		24.4	10.6	3.7	.4		14.7	818
	03-05	.4	12.2	.5	15.0		27.2	14.0	4.1	.9		19.3	816
	06-08	.2	11.7	1.2	13.5		25.2	18.0	8.0	.2		25.4	824
	09-11	.2	10.9	.6	14.0		25.4	12.7	12.3	.4		25.2	826
	12-14	.2	8.8	.4	13.0		22.0	9.4	9.9	.2		19.6	817
	15-17	.2	8.4	.2	11.2		19.9	9.4	8.6	.2		18.1	818
	18-20	.6	11.9	.4	10.2		22.5	9.0	6.9	.4		16.3	821
	21-23	.5	11.2	.6	13.9		22.3	10.4	5.0	.4		15.7	820
TOTALS		.3	10.6	.5	12.6		23.6	11.7	7.3	.4		19.3	6550

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

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

...AL CLIMATOLOGY BRANCH
...TAC
A... WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
...	YOUNGSTOWN MAP OH	73-81	APR

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	0-02	.5	10.4		4.6		14.6	8.8	3.4			12.2	797
	03-05	.4	10.5		4.3		14.3	11.5	3.2			14.3	788
	6-08	.3	12.1		4.3	.1	16.1	15.4	9.4			23.3	799
	9-11	.5	13.8	.1	4.6		18.5	9.5	11.0	.1		20.4	800
	12-14	.9	11.9		5.1		16.7	6.3	8.5	.8		15.5	798
	15-17	.9	11.7		4.3		15.0	5.9	6.3	.4		12.4	798
	18-20	1.4	14.4		4.0		17.9	6.9	5.0			11.9	798
	21-23	.9	12.3		4.7		17.0	7.6	4.3			11.6	794
TOTALS		.7	12.1	.1	4.5	.0	16.3	9.0	6.4	.2		15.2	6772

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

AL CLIMATOLOGY BRANCH
TAC
EATHER SERVICE/MAC

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	YOUNGSTOWN MAP OH	73-81	MAY

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	12.5		.4		12.9	18.1	6.5			23.7	773
	03-05	.6	12.3				12.3	27.0	7.3			32.9	770
	06-08	.1	12.?		.5		12.2	25.7	17.9			40.7	825
	09-11	.1	11.?		.4		11.3	10.3	18.7			28.4	812
	12-14	.8	9.5		.1		9.5	6.1	13.2			19.2	824
	15-17	.6	11.9				11.9	5.4	12.8			18.?	818
	18-2?	1.7	15.3				15.3	7.3	13.1			19.3	824
	21-23	.9	15.8		.4		16.2	10.8	10.4			20.5	786
TOTALS		.7	12.5		.2		12.7	13.8	12.5			25.3	6432

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

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

[illegible] CLIMATOLOGY BRANCH
[illegible]ETAC
[illegible]EATHER SERVICE/MAC

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	YOUNGSTOWN MAP OH	73-81	JUN

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	[illegible]-02	1.1	6.6				6.6	16.1	19.6			34.6	739
	[illegible]3-05	.8	6.8				8.8	25.4	19.8			42.5	708
	6-08	.4	7.5				7.5	25.2	27.8			48.8	803
	[illegible]9-11	.5	7.4				7.4	8.5	26.7			34.4	787
	12-14	1.0	6.9				6.9	3.9	21.8			25.2	801
	15-17	2.3	7.5				7.5	2.9	22.3			25.2	785
	18-2[illegible]	2.0	7.5				7.5	4.5	22.4			26.8	796
	[illegible]1-23	1.9	7.1				7.1	9.5	18.8			27.8	735
TOTALS		1.3	7.4				7.4	12.0	22.4			33.2	6124

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

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

AI CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	YOUNGSTOWN MAP OH	73-81	JUL

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	0-02	1.0	4.8				4.8	17.6	26.7			40.1	731
	3-05	.5	6.9				6.9	34.1	27.9			52.6	736
	6-08	1.2	6.6				6.6	34.9	36.3			59.5	822
	09-11	.5	4.9				4.9	9.7	36.7			44.1	821
	12-14	1.1	5.3				5.3	2.6	35.1			37.5	823
	15-17	2.4	5.6				5.6	2.4	33.8			36.1	819
	18-20	.6	5.6				5.6	3.7	32.7			36.1	828
	21-23	2.5	6.2				6.2	8.0	30.3			36.1	760
TOTALS		1.2	5.7				5.7	14.1	32.4			42.8	6340

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAPETAC FORM JULY 64 0-10-5(OL A). PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
...5	YOUNGSTOWN MAP OH	73-81	AUG

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	.5	6.5				8.5	25.2	26.5			48.4	737
	03-05	.7	8.7				8.7	39.3	27.3			59.4	743
	06-08	.2	9.4				9.4	48.6	33.7			71.9	829
	09-11	.4	6.5				6.5	16.0	40.8			55.9	814
	12-14	1.3	8.4				8.4	6.1	39.3			44.8	819
	15-17	2.2	7.1				7.1	4.7	39.8			43.9	817
	18-20	2.3	7.9				7.9	7.9	37.2			44.2	822
	21-23	2.0	7.5				7.5	14.0	30.7			42.1	762
TOTALS		1.2	8.0				8.0	20.2	34.4			51.3	6343

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

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

[illegible] CLIMATOLOGY BRANCH
[illegible]-ETAC
A[illegible] WEATHER SERVICE/MAC

WEATHER CONDITIONS

[illegible]	YOUNGSTOWN 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	0-02	1.2	7.9				7.9	18.3	12.6			[illegible].1	759
	3-05	.7	7.6				7.6	27.2	13.8			37.9	762
	6-08	.3	1[illegible].9				10.9	39.0	21.4			54.7	795
	9-11	.1	9.5				9.5	17.2	27.1			43.9	792
	12-14	.8	9.9				9.9	8.4	23.4			31.4	799
	15-17	.8	7.0				7.0	5.8	21.8			27.5	795
	18-2[illegible]	1.6	7.8				7.8	6.0	19.9			25.2	799
	[illegible]1-23	1.6	9.1				9.1	10.5	13.1			22.8	771
TOTALS		.9	8.7				8.7	16.6	19.1			34.2	6272

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAPETAC FORM JULY 64 0-10-5(QL A). PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

[illegible] PAL CLIMATOLOGY BRANCH
[illegible]ETAC
[illegible]EATHER SERVICE/MAC

WEATHER CONDITIONS

2[illegible]	YOUNGSTOWN MAP OH	73-81	OCT
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.
[illegible]CT	00-02	.1	1[illegible].5		2.3		12.6	17.5	4.8			21.3	825
	3-05	.2	12.1		1.5		13.6	21.4	5.3			26.4	818
	6-08		11.7		1.9		13.6	28.5	12.5			36.2	824
	9-11	.1	9.9		1.3		11.2	14.6	19.0			32.6	821
	12-14		8.6		1.7		10.3	5.3	12.2			17.5	828
	15-17		10.2		.5		10.7	5.7	9.9			15.6	820
	18-20	.5	12.9		1.0		13.5	6.8	7.7			14.1	822
	21-23		12.4		2.1		14.1	10.4	5.6			15.7	824
TOTALS		.1	11.[illegible]		1.5		12.5	13.8	9.6			22.7	6582

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

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

...AL CLIMATOLOGY BRANCH
...TAC
A... ...EATHER SERVICE/MAC

WEATHER CONDITIONS

2...	...CUNGSTOWN 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	0-02		8.3		11.5		19.6	10.6	4.3			14.9	791
	03-05		8.4	.1	11.8	.1	20.3	12.9	4.7			17.3	785
	06-08		1 .3		13.3		20.6	18.7	8.8			26.6	797
	09-11	.1	9.6	.6	9.9		19.8	15.3	15.9			29.7	798
	12-14		9.8	.1	10.9		20.8	10.0	11.3	.1		21.0	799
	15-17		9.6	.1	10.6		20.2	8.2	9.6	.3		18.1	792
	18-20	.1	10.6		10.8		20.9	6.7	5.9			12.5	802
	21-23		10.0		9.5		19.0	8.8	4.6			13.3	791
TOTALS		.0	9.6	.1	10.7	.0	20.2	11.4	8.1	.1		19.2	6355

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

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

...EAL CLIMATOLOGY BRANCH
...PETAC
...EATHER SERVICE/MAC

WEATHER CONDITIONS

2... STATION	...OUNGSTOWN MAP OH STATION NAME	73-81 YEARS	DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
D...C	0-...		8.7	1.5	25.4		35.1	13.4	1.7	.8		16.0	826
	3-...		7.2	1.2	27.5		35.5	13.5	2.7	1.1		17.3	814
	...6-...		9.2	1.3	24.2		34.2	18.7	4.1	.8		22.9	827
	...9-11		9.8	1.2	27.4		37.5	20.8	8.1	1.7		30.3	825
	12-14		8.7	1.1	23.3		32.8	17.8	6.9	1.3		25.9	827
	15-17		9.6	.7	22.4		32.2	15.7	7.2	.9		23.6	823
	18-2...	.2	10.5	.5	23.2		33.5	15.4	3.7	1.3		20.4	827
	...1-23	.1	7.3	.2	26.3		33.7	13.5	2.8	1.3		17.7	820
TOTALS		.0	8.9	1....	25.0		34.3	16.1	4.7	1.2		21.8	6589

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

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

AL CLIMATOLOGY BRANCH
TAC
WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
[illegible]	YOUNGSTOWN MAP OH	73-81	ALL

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
[illegible]	ALL		5.7	1.3	33.1		39.5	11.8	10.9	3.5		25.9	6577
FEB		.1	6.6	.5	24.8		31.7	11.7	9.2	1.7		22.1	5981
MAR		.3	10.6	.5	12.6		23.6	11.7	7.3	.4		19.3	6550
APR		.7	12.1	.0	4.5	.0	16.3	9.0	6.4	.2		15.2	6372
MAY		.7	12.5		.2		12.7	13.8	12.5			25.3	6432
JUN		1.3	7.4				7.4	12.0	22.4			33.2	6424
JUL		1.2	5.7				5.7	14.1	32.4			42.8	6340
AUG		1.2	3.0				8.0	20.2	34.4			51.3	6343
SEP		.9	3.7				8.7	16.6	19.1			34.2	6272
OCT		.1	11.0		1.5		12.5	13.8	9.6			22.7	6582
NOV		.0	9.6	.1	10.7	.0	20.2	11.4	8.1	.1		19.2	6355
DEC		.0	5.9	1.0	25.0		34.3	16.1	4.7	1.2		21.8	6589
TOTALS		.5	8.9	.3	9.4	.0	18.4	13.5	14.8	.6		27.8	76517

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

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.

...AL CLIMATOLOGY BRANCH
...TAC
...ST...R SERVICE/MAC

WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

STATION	STATION NAME	YEARS	MONTH
...SY	YOUNGSTOWN MAP OH	49-64, 66-91	ALL

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR *DRIZZLE*	FREEZING RAIN & OR *DRIZZLE*	SNOW AND/OR *SLEET*	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
...A	DAILY	.8	32.5	1...8	67....	.1	82.9	41.9	54.3	10.3		75.8	989
...		1.7	31.5	7.7	64.4	.6	79.2	40.7	55.1	11.9		74.7	904
...		2.2	42.6	4.9	48.7	.3	73.7	42.6	48.1	5.7		67.4	992
...		11.6	55.6	.5	19.8	1.3	64.4	41.7	44.4	.7		64.8	960
...		14.5	54.5		1.7	.5	54.9	44.7	50.5	.1		66.8	99
...		23.1	51.3			.7	51.3	49.7	65.4		.1	76.9	96
...		21.9	45.4			.6	45.4	54.2	68....			77.5	992
...		17.9	44.6			.3	44.6	61.9	74.3			84.4	992
...		11.1	41.5		.3	.4	46.5	57.1	64.2			78.6	959
...		7.2	40.8		7....	.4	48.5	45.0	54.6			7...	992
...		3.0	43.6	1.6	37....	.1	66.4	44.3	48.3	2....		6...	96...
...		1.0	34.1	10.3	61.1	.1	79.6	43.6	48.4	9.1		73...	992
TOTALS		9.6	44.3	3...	25.6	.4	61.4	47.3	56.3	3.3	.0	73.2	11682

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

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

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

72[illegible]25 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 49-64, 66-81 (YEARS)

				AMOUNTS (INCHES)										PERCENT OF DAYS WITH MEASUR-ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	[illegible]	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	17.1	27.2	8.5	17.2	9.2	10.1	6.1	3.8	.7	.1				55.7	989	2.72	7.64	.75
FEB	21.3	26.1	6.3	17.9	9.1	9.4	6.5	3.0	.8					53.0	903	2.34	5.26	.60
MAR	26.4	21.5	5.3	12.3	9.0	11.8	8.2	4.7	.8					52.1	992	3.27	6.20	1.34
APR	35.6	16.3	3.4	12.3	7.2	10.6	9.4	5.7	1.5					48.1	960	3.58	6.43	1.35
MAY	46.2	14.9	2.4	6.8	5.3	9.9	9.7	4.4	1.4					39.9	992	3.36	5.94	.78
JUN	48.8	13.0	3.6	5.2	5.4	8.6	7.0	6.1	2.1	.1				38.2	960	3.52	6.97	1.35
JUL	54.6	12.1	2.1	6.8	3.7	5.5	5.8	6.1	2.9	.2				33.3	992	3.99	7.41	1.57
AUG	55.4	10.9	2.6	5.6	4.6	7.8	5.4	5.4	1.9	.2				33.7	992	3.32	7.86	.51
SEP	53.5	12.7	3.3	7.4	3.3	7.1	5.1	5.8	1.5	.2				33.8	960	3.11	5.57	.27
OCT	51.5	14.6	3.6	6.1	5.9	7.6	6.5	3.1	.9	.1				33.9	992	2.52	8.59	.43
NOV	33.9	17.1	5.7	12.6	8.6	11.0	7.6	3.3	.9	.1				49.3	960	2.85	5.52	.94
DEC	21.9	21.8	8.1	18.3	9.6	10.9	6.6	3.5	.8					57.8	992	2.77	5.52	.88
ANNUAL	38.6	17.3	4.5	10.5	6.7	9.2	7.0	4.6	1.3	.1				44.1	11684	37.35		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

72 25 — STATION
YOUNGSTOWN MAP OH — STATION NAME
49-64, 66-81 — YEARS

24 HOUR AMOUNTS IN INCHES

YEAR \ MONTH	JAN	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	OCT	NOV.	DEC	ALL MONTHS
49	* .86	.71	.82	.48	1.48	1.04	1.15	.62	.85	.37	.47	.60	1.48
50	1.24	1.88	1.08	1.24	.96	1.60	.54	.85	1.25	.47	1.35	.70	1.88
51	.64	.97	.98	.98	.63	.74	.91	1.07	1.63	1.08	.85	.68	1.63
52	2.16	.65	.44	.67	1.08	.41	1.73	1.37	1.50	.42	.80	.69	2.16
53	.92	.40	.72	.81	.83	1.29	1.08	.92	.95	.17	.40	.69	1.29
54	.63	1.03	1.53	1.30	.48	1.35	1.07	.58	1.36	4.31	.33	.64	4.31
55	.54*	.47	.90	.96	.86	1.68	2.15	1.79	.65	1.16	2.58	.15	2.58
56	.33	1.21	.75	1.38	1.20	1.14	1.57	2.79	.30	.47	.89	.57	2.79
57	.49	.42	.52	1.47	1.35	2.96	1.06	.24	.94	.80	.45	.80	2.96
58	.47	.19	.33	.86	.69	1.05	1.41	1.25	1.51	.31	1.02	.24	1.51
59	2.65	1.49	.37	1.10	.48	1.38	1.97	.59	2.56	.91	.44	.96	2.65
60	.81	.55	.45	.39	.87	1.04	1.01	1.04	.17	.43	.44	.24	1.04
61	.28	1.14	.76	.80	.46	1.02	1.88	.69	.90	.60	1.24	.23	1.88
62	.60	.64	.42	.63	1.09	.69	.63	.85	.60	.62	.90	.55	1.09
63	.27	.16	.75	1.21	.56	.69	.70	.84	.37	.34	1.33	.29	1.33
64	.71	.37	1.96	1.22	1.53	1.15	1.84	.89	.55	1.03	.63	1.21	1.96
66	.54	.82	.54	.99	.47	1.11	1.00	.91	.73	.48	1.49	.66	1.49
67	.54	.52	.89	.44	.85	.69	3.82	.57	1.09	1.28	.44	.32	3.82
68	1.11	.15	.82	.66	1.11	.60	.82	1.35	.95	1.97	1.04	1.00	1.97
69	.65	.25	.40	1.28	1.02	.70	1.28	.30	1.00	1.59	.58	.57	1.59
70	.45	.82	.81	1.19	.49	1.05	.94	.39	.39	.80	.60	.81	1.19
71	.59	.81	.46	.55	.84	.85	.79	1.58	1.28	.56	.79	1.33	1.58
72	.24	.52	.71	1.56	.46	.74	.96	.24	.62	.27	.70	.64	1.56
73	.60	.40	1.44	1.06	.99	.97	1.65	1.04	.97	.95	.61	1.16	1.65
74	.87	.44	.53	.83	1.47	1.17	1.59	1.77	.76	.55	1.02	.87	1.77
75	1.17	.96	.70	.37	1.93	.75	.82	1.25	1.21	1.71	.55	.64	1.93
76	.83	1.25	.84	.38	.47	1.08	3.68	1.07	2.17	.63	.17	.45	3.68
77	.25	.25	1.57	1.22	.38	1.20	1.11	1.89	1.55	.66	1.04	1.16	1.89
78	1.34	.17	.44	.87	.64	.86	1.48	.87	1.04	.68	.40	1.06	1.48
79	.64	.89	.45	.85	1.29	.47	.78	1.22	2.97	.34	.59	1.86	2.97
MEAN													
S D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

72 25 | YOUNGSTOWN MAP OH | 49-64, 66-81
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
80	.98	.37	.78	.49	.57	.79	2.04	2.82	2.03	.95	.42	.33	2.82
81	.22	.81	.85	1.01	.79	.92	.94	.66	.99	.56	.73	.65	1.01
MEAN	.765	.685	.782	.905	.885	1.036	1.388	1.072	1.120	.858	.790	.711	2.029
S.D	.532	.420	.384	.333	.388	.459	.760	.626	.637	.762	.462	.372	.852
TOTAL OBS	989	903	992	960	992	960	992	992	960	992	960	992	11684

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

72250 STATION | YOUNGSTOWN MAP OH STATION NAME | 49-64, 66-81 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49	* 5.42	2.53	3.12	2.95	3.67	2.85	4.55	2.48	3.40	1.16	2.02	2.98	*37.13
50	7.64	5.26	4.32	5.53	3.98	3.91	2.18	1.68	3.17	1.97	5.39	2.32	47.35
51	2.96	3.73	5.68	3.61	2.1	2.93	4.96	2.58	3.27	2.00	4.38	4.36	41.86
52	6.82	3.15	2.71	3.48	3.93	1.35	4.60	3.72	3.62	1.42	2.71	2.19	39.70
53	3.33	1.28	3.38	2.94	4.56	4.38	2.30	2.69	2.35	.43	1.75	2.40	31.79
54	2.83	2.61	4.71	5.76	1.38	2.77	2.21	2.47	3.73	8.59	1.80	3.47	41.63
55	2.76*	2.81	5.44	4.14	3.33	3.23	3.43	4.08	1.56	5.14	4.34	1.02	*41.28
56	1.59	4.83	4.45	5.25	5.79	4.91	7.07	7.86	1.90	.90	1.54	2.49	48.55
57	2.15	1.71	2.13	6.43	3.17	6.97	1.57	.51	2.64	2.43	2.22	3.75	35.68
58	2.25	1.18	1.34	3.22	2.58	4.78	7.41	3.39	4.45	.82	3.28	.88	35.55
59	5.34	4.25	2.50	4.15	2.45	3.76	4.40	2.34	3.04	3.66	3.21	3.29	42.39
60	2.60	3.15	1.34	1.35	4.57	2.97	4.80	4.63	.27	1.43	1.38	1.01	29.50
61	.82	2.84	3.14	4.99	1.94	5.64	5.87	2.18	2.46	2.88	2.98	.99	36.73
62	2.41	2.07	1.96	2.31	2.13	2.47	2.40	1.31	3.00	3.62	2.38	1.99	28.05
63	1.12	.80	3.68	2.91	2.11	2.10	2.07	3.11	.94	.45	3.24	1.26	23.79
64	2.03	1.36	6.20	5.97	2.96	3.55	4.18	3.20	.94	1.83	1.76	4.58	38.56
66	2.73	1.93	1.75	4.34	1.81	1.88	2.52	5.05	1.59	1.40	5.52	2.49	33.01
67	1.26	2.53	3.36	2.52	3.77	2.14	5.51	2.02	3.64	3.26	2.94	1.92	34.87
68	3.75	.71	3.24	2.34	5.25	3.16	2.06	5.08	2.88	4.94	4.14	4.00	41.55
69	2.56	.83	1.83	3.91	4.07	3.57	5.79	.51	1.95	2.80	2.67	2.84	33.33
70	1.39	1.93	2.22	2.85	3.22	3.52	3.48	1.08	1.80	5.20	3.24	2.90	32.83
71	2.08	3.56	2.36	1.57	2.58	2.46	2.19	2.78	2.74	1.40	3.26	5.52	32.50
72	1.35	2.28	3.22	3.97	2.41	4.43	3.66	1.11	4.38	.81	4.29	3.11	35.02
73	1.81	1.79	3.72	4.39	5.10	3.51	2.97	2.83	2.96	2.89	1.71	3.04	36.71
74	2.78	1.61	4.48	3.05	4.67	3.95	3.20	7.21	3.36	1.67	3.98	3.03	42.99
75	3.14	3.12	3.22	1.61	5.94	2.75	2.35	6.06	5.04	2.59	1.91	2.89	40.62
76	3.21	3.24	4.01	1.64	1.61	4.07	7.16	2.41	5.16	2.43	.94	1.66	37.53
77	1.53	1.19	4.46	4.06	.78	5.75	5.72	4.64	5.05	2.25	4.55	3.75	43.73
78	4.52	.60	1.64	3.31	4.49	3.88	3.98	2.72	4.23	4.34	1.36	4.22	38.99
79	2.95	2.03	1.94	4.02	4.40	2.16	3.60	4.72	5.57	1.63	2.67	3.95	39.65
MEAN													
S.D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

72:252 — STATION
YOUNGSTOWN MAP OH — STATION NAME
49-64, 66-81 — YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
8 :	1.73	1.26	5.17	2.16	2.74	3.77	6.20	7.74	4.37	2.08	1.88	1.52	40.62
81	.75	3.85	2.04	4.84	3.99	3.21	3.39	2.01	4.12	2.34	1.70	2.77	35.01
MEAN	2.715	2.339	3.274	3.580	3.359	3.524	3.993	3.319	3.112	2.524	2.848	2.768	37.338
S D	1.581	1.207	1.329	1.323	1.323	1.209	1.673	1.945	1.323	1.706	1.217	1.157	5.516
TOTAL OBS	989	903	992	960	992	960	992	992	960	992	960	992	11684

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL
(FROM DAILY OBSERVATIONS)

72 25 — STATION
YOUNGSTOWN MAP OH — STATION NAME
49-64, 66-81 — 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	33.1	23.6	18.8	16.4	4.4	1.9	.7	.9	.3						43.5	989	13.3	36.0	2.7
FEB	35.6	25.2	15.6	15.0	4.5	2.1	1.7	.8	.1						39.2	904	11.3	22.7	3.7
MAR	51.5	19.1	11.2	10.8	4.1	1.3	.8	.7	.5						29.4	992	10.6	22.0	2.6
APR	81.1	10.3	4.1	3.9	1.1	.1		.2							9.4	960	2.3	12.2	TRACE
MAY	98.1	1.4	.2					.1							.3	992	.2	5.4	.0
JUN	100.0															960	.0	.0	.0
JUL	100.0															992	.0	.0	.0
AUG	100.0															992	.0	.0	.0
SEP	99.7	.3														960	TRACE	TRACE	.0
OCT	93.1	5.0	.8	.7	.3		.1								1.9	992	.5	7.4	.0
NOV	83.0	14.9	10.4	7.7	1.8	.8	.5	.3	.4		.1				22.1	960	7.0	30.6	.3
DEC	77.1	20.0	17.3	13.8	5.2	3.2	.6	.4	.3						40.9	992	13.0	23.0	5.7
ANNUAL	74.5	10.0	6.5	5.7	1.8	.8	.3	.3	.1		.0				15.6	11685	58.2		

USAFETAC FORM OCT 79 0-15-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

72 25 YOUNGSTOWN MAP OH 49-64, 66-81
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	* 3.1	1.8	2.2	.6	.0	.0	.0	.0	TRACE	.0	4.8	2.3	4.8
50	.8	1.2	3.4	1.0	.0	.0	.0	.0	.0	.0	17.0	3.3	17.0
51	2.4	6.4	7.3	.3	.0	.0	.0	.0	.0	.0	3.4	4.0	7.3
52	.9	3.7	3.6	2.0	.0	.0	.0	.0	.0	.6	.7	3.4	3.7
53	2.5	2.4	1.1	1.8	.0	.0	.0	.0	.0	.0	4.3	1.7	4.3
54	2.4	3.4	4.0	.1	TRACE	.0	.0	.0	.0	1.8	1.7	2.5	4.0
55	3.6	5.1	2.8	TRACE	.0	.0	.0	.0	.0	1.0	5.8	1.8	5.8
56	4.4	3.2	5.8	1.1	.1	.0	.0	.0	TRACE	.0	.9	6.6	6.6
57	2.5	3.1	6.1	4.7	.0	.0	.0	.0	.0	1.2	.9	2.6	6.1
58	3.8	2.7	2.3	.3	.0	.0	.0	.0	.0	TRACE	7.3	4.2	7.3
59	3.5	1.6	4.3	TRACE	.0	.0	.0	.0	.0	TRACE	4.3	2.5	4.3
60	2.6	5.2	7.2	1.3	.0	.0	.0	.0	.0	.3	2.5	4.4	7.2
61	4.5	3.8	2.3	6.0	TRACE	.0	.0	.0	.0	.0	1.4	2.8	6.0
62	2.6	5.3	6.5	2.4	.0	.0	.0	.0	.0	3.8	.2	4.7	6.5
63	5.2	3.6	3.6	.6	.2	.0	.0	.0	.0	TRACE	5.4	4.3	5.4
64	10.0	4.5	2.9	.9	.0	.0	.0	.0	.0	TRACE	3.5	4.0	10.0
66	7.5	1.6	1.5	1.7	5.4	.0	.0	.0	.0	TRACE	2.4	2.5	7.5
67	3.5	5.2	2.2	2.4	TRACE	.0	.0	.0	.0	.6	3.1	2.2	5.2
68	5.5	1.9	1.9	TRACE	.0	.0	.0	.0	.0	TRACE	3.1	5.8	5.8
69	2.1	2.2	1.8	TRACE	TRACE	.0	.0	.0	.0	.4	1.9	2.6	2.6
70	2.3	3.5	2.0	.6	.0	.0	.0	.0	TRACE	TRACE	1.2	3.1	3.5
71	5.2	9.0	6.0	.2	.0	.0	.0	.0	.0	.0	7.6	3.1	9.0
72	2.2	4.4	2.5	1.1	.0	.0	.0	.0	.0	.4	3.7	3.2	4.4
73	1.7	3.0	7.3	.8	TRACE	.0	.0	.0	.0	.0	1.5	1.8	7.3
74	5.8	3.0	4.1	2.7	TRACE	.0	.0	.0	.0	.5	2.6	8.9	8.9
75	1.5	2.5	9.8	1.1	.0	.0	.0	.0	.0	.0	1.0	3.2	9.8
76	4.3	5.8	3.9	.4	TRACE	.0	.0	.0	.0	TRACE	1.5	3.3	5.8
77	3.2	3.0	2.1	.5	.0	.0	.0	.0	.0	TRACE	2.5	6.0	6.0
78	7.1	2.2	1.6	TRACE	.0	.0	.0	.0	.0	.0	.8	2.0	7.0
79	5.3	1.9	1.6	TRACE	.0	.0	.0	.0	.0	TRACE	.8	2.4	5.3
MEAN													
S.D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

(2)25 YOUNGSTOWN MAP OH 49-64, 66-81
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH / YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
80	1.5	3.7	3.1	TRACE	TRACE	.0	.0	.0	.0	.1	2.2	4.5	4.5
81	3.4	3.0	3.4	TRACE	.0	.0	.0	.0	.0	.4	.9	3.4	3.4
MEAN	3.66	3.53	3.76	1.78	.18	.00	.00	.00	TRACE	.35	3.15	3.53	6.37
S.D.	2.055	1.661	2.154	1.381	.954	.000	.000	.000	.000	.758	3.167	1.571	2.714
TOTAL OBS	989	904	992	960	992	960	992	992	960	992	960	992	11685

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

12 250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 49-64, 66-81 (YEARS)

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN.	JUL.	AUG.	SEP	OCT	NOV	DEC	ALL MONTHS
49	* 4.4	3.7	8.7	.9	.0	.0	.0	.0	TRACE	.0	12.2	6.3	* 36.2
50	2.7	6.8	12.6	3.0	.0	.0	.0	.0	.0	.0	30.6	14.1	69.8
51	11.3	8.5	19.9	.9	.0	.0	.0	.0	.0	.0	12.9	14.5	68.0
52	4.2	8.3	8.1	3.4	.0	.0	.0	.0	.0	1.6	1.5	6.9	34.0
53	9.4	7.7	6.3	5.2	.0	.0	.0	.0	.0	.0	10.9	8.8	48.3
54	9.5	7.7	10.1	.1	TRACE	.0	.0	.0	.0	1.8	4.9	16.2	50.3
55	15.9	13.5	10.6	TRACE	.0	.0	.0	.0	.0	1.0	9.1	14..	64.6
56	13.8	10.4	18.2	4.4	.1	.0	.0	.0	TRACE	.0	3.2	15.5	65.6
57	17.1	9.5	13.0	11.5	.0	.0	.0	.0	.0	1.7	2.3	7.4	62.9
58	13.3	13.2	11.0	.6	.0	.0	.0	.0	.0	TRACE	9.1	11.4	58.6
59	15.8	4.8	15.0	TRACE	.0	.0	.0	.0	.0	TRACE	7.3	9.9	52.8
60	8.3	20.8	20.6	2.6	.0	.0	.0	.0	.0	.3	3.3	17.7	73.6
61	14.3	9.2	2.6	12.2	TRACE	.0	.0	.0	.0	.0	4.0	10.8	53.1
62	9.9	16.0	19.6	5.2	.0	.0	.0	.0	.0	7.4	.3	22.4	80.8
63	17.8	16.5	16.1	1.3	.2	.0	.0	.0	.0	TRACE	8.4	23.0	83.3
64	20.5	17.2	8.2	1.6	.0	.0	.0	.0	.0	TRACE	3.8	14.2	65.5
66	23.4	6.7	6.1	7.2	5.4	.0	.0	.0	.0	TRACE	7.4	12.5	68.7
67	8.1	22.7	13.9	2.4	TRACE	.0	.0	.0	.0	.6	12.7	8.0	68.4
68	14.0	10.1	4.9	TRACE	.0	.0	.0	.0	.0	TRACE	5.8	21.6	56.4
69	8.6	11.8	9.3	TRACE	TRACE	.0	.0	.0	.0	.4	6.0	21.2	57.3
70	15.2	13.4	10.0	.6	.0	.0	.0	.0	TRACE	TRACE	1.7	15.6	56.5
71	16.0	18.0	22.0	.4	.0	.0	.0	.0	.0	.0	20.1	7.2	83.7
72	9.0	19.0	9.3	2.1	.0	.0	.0	.0	.0	.4	8.2	8.3	56.3
73	5.3	11.8	8.5	1.8	TRACE	.0	.0	.0	.0	.0	3.3	7.0	37.7
74	9.8	9.2	9.2	4.7	TRACE	.0	.0	.0	.0	.9	5.3	20.4	59.5
75	6.6	10.2	13.5	1.8	.0	.0	.0	.0	.0	.0	3.7	10.2	46.0
76	19.7	7.9	5.0	.6	TRACE	.0	.0	.0	.0	TRACE	8.9	10.9	53.0
77	22.1	10.5	3.3	.6	.0	.0	.0	.0	.0	TRACE	5.6	18.6	60.6
78	36.1	9.6	3.6	TRACE	.0	.0	.0	.0	.0	.0	2.0	5.7	56.9
79	16.2	9.6	2.8	TRACE	.0	.0	.0	.0	.0	TRACE	1.6	7.4	37.6
MEAN													
S.D													
TOTAL OBS													

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

(4250) YOUNGSTOWN MAP OH 49-64, 66-81
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
80	6.2	9.2	8.4	TRACE	TRACE	.0	.0	.0	.0	.1	5.9	11.0	40.8
81	13.9	8.2	10.1	TRACE	.0	.0	.0	.0	.0	.4	1.5	17.6	51.6
MEAN	13.35	11.30	10.64	2.35	.18	.00	.00	.00	TRACE	.52	6.98	13.03	58.77
S.D.	6.731	4.591	5.372	3.130	.954	.000	.000	.000	.000	1.363	6.087	5.253	12.673
TOTAL OBS	989	904	992	960	992	960	992	992	960	992	960	992	11685

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

72 250 STATION | YOUNGSTOWN MAP OH STATION NAME | 52-64, 66-81 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	.1 .4	.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	2 .4	21.9	13.2	12.6	8.8	12.7	9.9	1.4							57.7	868			
FEB	22.8	22.9	12.1	12.0	8.2	17.6	3.3	1.3							54.4	791			
MAR	54.7	21.5	8.5	4.4	3.5	5.2	2.2								23.7	868			
APR	91.9	5.1	1.5	.7	.4	.4									3.0	840			
MAY	99.7	.1	.1	.1											.2	868			
JUN	100.0															840			
JUL	100.0															899			
AUG	100.0															899			
SEP	100.0															870			
OCT	98.7	1.2	.3	.1	.1										.6	899			
NOV	79.4	12.3	3.8	1.6	1.7	1.3	.5	.1							8.3	869			
DEC	32.9	22.8	13.1	10.8	9.8	7.6	3.0								44.3	899			
ANNUAL	75.1	9.0	4.4	3.5	2.6	3.7	1.6	.2							16.0	10410			

USAFETAC FORM 0-15-5 OCT 78 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

72250 STATION — YOUNGSTOWN MAP OH STATION NAME — 52-64, 66-81 YEARS

DAILY SNOW DEPTH IN INCHES

YEAR \ MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
52							0	0	0	1	TRACE	3	
53	2	3	1	1	0	0	0	0	0	1	3	3	3
54	3	4	3	TRACE	0	0	0	0	0	1	TRACE	4	4
55	6	4	1	TRACE	0	0	0	0	0	TRACE	5	3	6
56	5	4	7	TRACE	0	0	0	0	0	0	1	5	7
57	6	2	4	4	0	0	0	0	0	TRACE	1	3	6
58	5	6	2	TRACE	0	0	0	0	0	0	6	5	6
59	6	2	6	0	0	0	0	0	0	0	5	3	6
60	4	5	9	1	0	0	0	0	0	TRACE	TRACE	9	9
61	7	7	2	4	0	0	0	0	0	0	1	4	7
62	3	4	9	3	0	0	0	0	0	3	TRACE	5	9
63	8	7	7	0	1	0	0	0	0	0	4	8	8
64	11	6	3	2	0	0	0	0	0	0	1	7	11
66	10	10	1	1	2	0	0	0	0	1	4	5	10
67	5	6	6	2	TRACE	0	0	0	0	TRACE	3	2	6
68	9	3	2	0	0	0	0	0	0	0	3	8	9
69	4	4	2	0	0	0	0	0	0	TRACE	3	6	6
70	6	6	4	TRACE	0	0	0	0	0	0	1	5	6
71	7	11	7	TRACE	0	0	0	0	0	0	13	4	13
72	2	6	3	1	0	0	0	0	0	0	1	4	6
73	3	3	9	1	0	0	0	0	0	0	1	3	9
74	10	3	5	3	0	0	0	0	0	TRACE	2	12	12
75	1	6	10	TRACE	0	0	0	0	0	0	TRACE	3	10
76	8	6	4	TRACE	0	0	0	0	0	TRACE*	2	7	8
77	14	18	1	TRACE	0	0	0	0	0	0	3	12	18
78	17	10	5	0	0	0	0	0	0	0	1	2	17
79	7	6	1	0	0	0	0	0	0	0	1	3	7
80	3	7	5	0	0	0	0	0	0	TRACE	2	4	7
81	11	3	3	TRACE	0	0	0	0	0	0	1	9	11
MEAN	6.5	5.8	4.4	.8	.1	.0	.0	.0	.0	.2	2.4	5.2	8.5
S.D	3.766	3.337	2.792	1.278	.416	.000	.000	.000	.000	.602	2.693	2.744	3.523
TOTAL OBS	868	791	868	840	868	840	899	899	870	899	869	899	10410

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-3 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C SURFACE WINDS

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

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

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

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

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

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

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

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

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

C

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

725 STATION | YOUNGSTOWN 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				W	56NW	33SW	40N	38SW	47NW	29N	36SW	41W	77
76	W	41W	42SW	68W	31SW	34W	32N	43SW	24NW	31W	36W	32NW	35 SW 68
77	W	44SW	44W	47W	40N	38W	50W	44SW	28W	29N	31SW	33W	42 W 50
78	SW	56W	30SW	35W	45SW	47W	41NW	30SW	28SW	40SW	31SW	41W	38 SW 58
79	S	34SW	35SW	42W	65NW	31W	30W	32W	34NW	34SW	32NW	41W	54 W 65
80	NW	44NW	33NW	37S	48W	49W	40NW	38W	50SW	50W	*34W	34W	43 W 50
81	W	39W	38W	40W	41S	31W	*36W	38SW	30N	31W	44SW	39W	34 W 44
MEAN	43.3	37.0	44.8	46.6	37.6	38.8	37.6	34.4	34.9	35.1	37.3	40.4	60.3
S D	8.091	5.367	12.090	11.178	7.525	7.167	5.159	10.097	7.690	4.980	4.112	6.852	8.016
TOTAL OBS	184	170	186	210	217	203	217	217	208	210	212	216	2448

NOTES * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72 258	YOUNGSTOWN MAP OH	73-81	JAN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.5	.9	1.0	.1							3.4	8.7
NNE		.4	.5	.4								1.2	8.2
NE	.1	1.1	.6	.2								2.1	6.7
ENE	.2	1.0	.5	.2								1.9	6.3
E	.4	1.8	3.0	.5	.4	.1						6.2	8.5
ESE		1.6	.6	.4								2.6	6.8
SE		1.2	3.3	2.2	.4	.1						7.2	10.3
SSE	.1	.2	1.5	.6	.4							2.8	10.0
S	.4	2.2	4.6	1.0								8.2	7.9
SSW	.1	1.2	2.3	.4								4.0	7.3
SW	.1	2.1	5.7	4.4	.1	.2						12.7	9.9
WSW		2.1	5.8	5.2	1.1	.2						14.5	10.8
W	.2	2.9	7.1	7.8	1.3	.7						20.1	11.0
WNW		.6	2.3	1.9	.1							5.0	10.1
NW	.6	.2	2.6	.7	.1	.1						4.4	9.1
NNW		.5	.6	.6	.2							1.9	10.3
VARBL													
CALM												1.8	
	2.3	20.6	41.9	27.5	4.3	1.6						100.0	9.5

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

2

SURFACE WINDS

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

72 25 (STATION) YOUNGSTOWN 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	.1	.7	1.2	.7	.1							3.0	8.7
NNE		.5	.5	.9								1.9	9.9
NE		1.0		.4								1.4	7.0
ENE		.9	1.0	.1								2.0	6.6
E	.4	2.6	1.5		.1							4.6	6.2
ESE	.4	1.2	1.7	.4	.2	.1						4.1	8.4
SE	.1	1.1	2.0	2.6	.4	.1						6.3	10.5
SSE		.7	1.2	1.6	.2							3.8	10.7
S	.2	2.0	4.2	1.5	.2							8.2	8.5
SSW		2.5	2.1	1.2	.1	.1						6.1	8.4
SW	.1	3.2	4.8	3.6	.4							12.1	9.2
WSW	.2	1.1	5.7	6.9	1.4	.6						15.9	11.6
W		1.5	6.3	6.1	.7	.5						15.1	11.3
WNW		1.4	2.6	1.2	.1							5.3	8.9
NW	.1	1.2	2.5	2.2	.4							6.4	9.9
NNW	.1	.7	.5	.6	.1							2.1	8.9
VARBL													
CALM												1.9	
	1.9	22.4	37.8	30.0	4.6	1.5						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 809

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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		1.6	1.6	.7	.1							4.0	7.9
NNE	.1	.5	.5	.5								1.6	8.8
NE		.9	1.3	.2								2.4	7.6
ENE	.1	.2	.4	.1								.9	6.4
E	.2	1.5	1.3	.4								3.4	6.7
ESE	.1	1.0	1.7	.2	.4							3.4	8.4
SE	.2	1.0	2.3	2.7	.2							6.4	9.8
SSE		1.5	2.8	.9								5.1	8.2
S		2.9	5.2	1.8	.1							10.1	8.4
SSW		1.7	2.9	1.3	.2							6.2	8.5
SW	.1	1.8	6.0	4.5	.4		.2					13.0	10.2
WSW	.1	.9	5.6	6.3	1.1	.6						14.6	11.7
W	.2	1.2	5.8	5.2	1.0	.1						13.6	10.9
WNW	.1	.9	1.8	2.4								5.2	10.0
NW	.1	1.0	2.2	2.2	.1							5.6	9.4
NNW	.2	.4	1.1	.4	.1	.1						2.3	9.8
VARBL													
CALM												2.2	
	1.8	18.7	42.5	29.9	3.8	.9	.2					100.0	9.4

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

2

SURFACE WINDS

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

'2-25' STATION | YOUNGSTOWN 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		.7	1.6	.9	.4							3.6	9.5
NNE	.1	.6	1.6	.6	.1							3.1	8.7
NE		.5	.9	1.0								2.3	9.4
ENE		.1	.9	.2								1.2	9.1
E		.6	1.5	.6								2.7	8.4
ESE		.6	1.6	2.2	.1							4.5	10.6
SE		.9	1.8	1.8								4.5	9.6
SSE		.4	1.5	.7								2.6	9.3
S	.2	2.0	6.0	2.8	.1							11.2	9.0
SSW	.1	2.0	2.6	1.5	.4							6.5	8.7
SW	.4	1.7	3.9	5.8	.9	.1	.2					13.0	11.5
WSW	.1	.7	4.9	6.9	2.5	.5						15.6	12.7
W		.6	4.9	7.0	1.6	.1						14.2	12.1
WNW	.1	.5	2.3	2.8	.4							6.1	10.8
NW		.2	2.0	2.1	.2							4.5	11.4
NNW	.1	.4	1.5	1.2	.1							3.3	9.5
VARBL													
CALM												1.1	
	1.2	12.5	39.3	38.1	6.7	.7	.2					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72 250	YOUNGSTOWN MAP OH	73-81	JAN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

1200-1400 (HOURS (L S T))

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.5	2.2	2.1	.4							5.2	10.7
NNE		.1	1.5	.7								2.3	9.4
NE	.2	.9	1.0	.2								2.3	7.1
ENE		.1	.9	.5								1.5	9.3
E		.7	1.2	.5								2.4	8.4
ESE	.1	.9	1.2	1.2								3.4	9.0
SE	.1	.5	1.7	2.1								4.4	10.2
SSE	.1	.6	.6	.9		.1						2.3	9.6
S		1.0	4.1	3.3								8.4	10.0
SSW		.9	2.6	2.2	.2							5.9	9.8
SW		1.3	3.2	6.5	.5	.2	.2					12.0	12.0
WSW		.7	2.6	7.6	2.3	.7	.1					14.0	13.7
W		.5	4.4	11.1	3.4	.4						19.8	13.3
WNW		1.0	2.1	2.8	1.0							6.8	11.4
NW		.2	2.1	2.8	.4							5.5	11.5
NNW		.6	1.2	1.2	.1							3.2	10.6
VARBL													
CALM												.6	
	.7	10.5	32.4	45.6	8.3	1.5	.4					100.0	11.4

TOTAL NUMBER OF OBSERVATIONS 820

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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		1.5	2.0	2.3								5.8	9.4
NNE		.7	1.5	1.0								3.2	9.3
NE		.5	1.0									1.5	7.6
ENE	.1	.5	.4	.6								1.6	8.6
E		1.5	.6	.4								2.4	6.9
ESE	.1	.6	.9	1.0		.1						2.7	9.6
SE		1.3	2.6	2.0	.1							6.0	9.3
SSE		.1	1.1	.7	.1							2.1	10.1
S	.1	1.6	3.7	1.2								6.6	8.5
SSW		.9	2.3	2.8	.1							6.1	10.2
SW		1.2	3.4	5.5	.9	.2	.1					11.4	11.7
WSW		.6	1.2	7.3	2.1	.5	.1					11.9	13.9
W	.1	1.3	3.2	11.3	2.4	.4	.1					18.8	12.9
WNW		.6	3.3	5.1	.4							9.4	11.2
NW	.2	.4	2.2	2.8	.2							5.9	10.9
NNW	.1	1.0	1.6	1.1	.2							4.0	9.5
VARBL													
CALM												.6	
	.9	14.3	30.8	45.2	6.6	1.2	.4					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 817

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72525	YOUNGSTOWN MAP OH	73-81	JAN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.4	2.4	1.5								6.3	7.9
NNE		.8	1.7	.1								2.7	7.3
NE	.1	.7	1.0	.4								2.2	7.8
ENE		.5	.5	.1								1.1	7.1
E	.2	1.6	.8	.5								3.1	7.2
ESE	.2	.7	1.6	1.1								3.6	9.0
SE		1.8	2.5	1.8	.2							6.4	9.4
SSE		1.0	1.9	1.0								3.9	8.7
S	.5	2.3	3.6	1.2	.1							7.7	7.9
SSW		2.7	1.3	1.3								5.3	7.5
SW	.2	1.6	4.2	2.7	.4	.4						9.4	9.9
WSW	.2	1.1	3.3	5.1	.8	.4						10.9	11.7
W		1.7	7.3	10.8	1.1	.2						21.1	11.6
WNW		1.1	3.0	1.6	.6	.1						6.4	10.1
NW	.2	1.0	2.5	2.8								6.5	10.0
NNW	.2	1.0	.6	.5								2.3	7.2
VARBL													
CALM												1.0	
	2.1	21.9	38.4	32.3	3.3	1.1						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 826

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

725253 (STATION) YOUNGSTOWN 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	.4	.7	.4	1.2								2.7	8.8
NNE		.5	.4	.4								1.2	8.0
NE		1.0	2.0	.1								3.0	7.2
ENE		.7	1.1	.4								2.2	7.4
E	.2	2.1	2.0	.6								4.9	7.3
ESE	.1	.6	1.2	.7								2.7	8.7
SE	.1	.7	3.0	2.7	.5							7.1	10.3
SSE		.2	1.5	1.2								2.9	10.7
S	.1	2.0	4.4	1.6	.1							8.2	8.3
SSW	.1	1.3	1.5	.4								3.3	7.4
SW		1.6	5.0	3.2	.4	.1						10.2	10.0
WSW	.2	1.6	6.3	6.3	.6	.5						15.6	10.9
W		2.0	6.5	9.9	1.5	.1						19.9	11.4
WNW	.1	1.3	2.6	1.7	.5	.1						6.3	9.9
NW	.5	.5	1.8	1.7	.2							4.8	10.0
NNW	.1	.6	1.1	.5	.2							2.6	9.2
VARBL													
CALM												2.4	
	2.1	17.4	40.6	32.6	4.0	.9						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 820

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525 (STATION) YOUNGSTOWN 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	1.2	1.5	1.3	.1							4.2	9.0
NNE	.0	.5	1.0	.6	.0							2.1	8.7
NE	.1	.8	1.0	.3								2.2	7.6
ENE	.1	.5	.7	.3								1.5	7.6
E	.2	1.5	1.5	.4	.1	.0						3.7	7.5
ESE	.1	.9	1.3	.9	.1	.0						3.4	8.9
SE	.1	1.1	2.4	2.2	.2	.0						6.0	9.9
SSE	.0	.6	1.5	.9	.1	.0						3.2	9.5
S	.2	2.0	4.5	1.8	.1							8.6	8.6
SSW	.0	1.6	2.2	1.4	.1	.0						5.4	8.6
SW	.1	1.8	4.5	4.5	.5	.2	.1					11.7	10.6
WSW	.1	1.1	4.4	6.5	1.5	.5	.0					14.1	12.1
W	.1	1.5	5.7	8.6	1.6	.3	.0					17.8	11.9
WNW	.0	.9	2.5	2.5	.4	.0						6.3	10.4
NW	.2	.6	2.2	2.2	.2	.0						5.4	10.3
NNW	.1	.6	1.0	.8	.2	.0						2.7	9.4
VARBL													
CALM												1.4	
	1.6	17.3	38.0	35.1	5.2	1.2	.2					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 6552

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72-250	YOUNGSTOWN MAP OH	73-81	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.6	2.4	1.2								5.5	8.4
NNE		.8	1.3	.3								2.4	7.4
NE		.4	2.4	1.1								3.9	9.2
ENE	.1	.4	1.3	.1	.1							2.1	8.6
E	.1	1.9	2.8	.1								5.0	7.1
ESE	.1	.8	2.0	1.5								4.4	9.2
SE	.3	1.1	2.8	1.7	.1							6.0	9.0
SSE		.5	1.6	1.2	.3							3.6	10.3
S	.5	2.4	3.6	1.1								7.6	7.4
SSW		2.0	2.5	.9								5.5	7.7
SW	.3	2.9	3.9	3.2								10.3	8.9
WSW	.3	2.3	2.9	1.7	1.2							8.4	9.7
W	.1	2.3	3.9	7.5	.5	.1						14.5	11.2
WNW	.1	1.9	1.6	1.5	.3							5.4	9.3
NW	.1	2.5	2.3	2.4								7.4	8.7
NNW	.4	2.0	1.9	1.2	.3							5.8	8.1
VARBL													
CALM												2.3	
	2.8	25.8	39.4	26.8	2.8	.1						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 747

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72252 (STATION) YOUNGSTOWN 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	2.2	2.7	1.0								6.0	7.8
NNE		.4	1.1	.1								1.6	7.8
NE	.3	1.2	1.9	1.0								4.3	8.5
ENE	.1	1.4	1.6	.3								3.4	7.3
E	.1	1.5	3.3	.4								5.3	7.7
ESE		.5	1.2	.4								2.2	8.2
SE		.7	4.1	2.3								7.1	9.6
SSE	.1	.7	1.8	.5	.1							3.3	8.5
S	.5	3.5	4.1	1.8	.1							10.1	7.9
SSW	.1	2.0	2.3	.7								5.2	7.4
SW	.4	2.0	3.1	3.8								9.4	9.6
WSW	.1	2.9	3.7	3.4	.7	.1						10.9	10.0
W	.1	1.2	6.4	4.1	.4							12.2	10.1
WNW	.1	2.0	1.6	2.3	.1							6.2	9.2
NW	.3	1.6	2.2	1.8		.1						6.0	8.9
NNW		1.4	1.6	1.2	.1							4.3	9.2
VARBL													
CALM												2.6	
	2.6	25.3	42.7	25.0	1.6	.3						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 736

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72-25 (STATION) YOUNGSTOWN 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	.4	1.9	2.3	.9	.1							5.6	7.7
NNE		.4	1.1	.5								2.0	8.8
NE		.7	1.2	.7								2.5	8.7
ENE	.4	.8	1.1	.1								2.4	6.5
E	.1	1.3	2.5	1.2	.1							5.3	8.5
ESE		1.2	2.1	.5								3.9	7.9
SE	.4	1.2	3.2	2.7								7.5	9.2
SSE		.5	2.1	.5								3.2	8.7
S	.5	2.0	5.1	1.9								9.5	8.3
SSW	.3	2.0	2.0	1.1	.3							5.6	8.2
SW	.5	3.6	2.9	3.9	.1							11.1	9.0
WSW		1.1	4.1	2.4	.3							7.9	10.0
W	.3	2.0	4.3	4.0	.1							10.7	9.6
WNW	.1	2.1	2.1	2.4	.3	.1						7.2	9.7
NW		1.5	3.3	2.3	.3							7.4	9.6
NNW	.3	.8	1.1	1.6	.3							4.0	9.8
VARBL													
CALM												4.1	
	2.3	23.1	40.6	26.7	1.9	.1						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 748

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72.253 (STATION) YOUNGSTOWN 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		1.0	2.3	1.5								4.8	9.3
NNE	.1	.3	.7	1.0								2.0	9.6
NE		.7	1.6	.4								2.7	8.0
ENE		.3	.7	.4								1.4	9.3
E	.1	1.6	2.3	1.1								5.2	8.1
ESE		.1	1.2	1.1	.1							2.6	10.6
SE	.1	.4	2.7	2.6	.1							6.0	10.3
SSE		1.0	1.4	.7	.1							3.1	8.6
S	.3	2.0	4.2	3.7								10.2	9.1
SSW		.5	1.9	2.2								4.6	10.5
SW	.1	1.1	3.5	5.6	.4							10.7	11.1
WSW		1.9	4.1	4.5	1.0	.3						11.7	10.8
W		1.5	4.1	6.8	.5	.1	.1					13.2	11.2
WNW	.1	1.2	2.3	3.0	.1							6.8	10.0
NW	.3	.5	2.9	2.7	.3							6.7	10.1
NNW	.3	.8	1.6	3.3								6.0	10.5
VARBL													
CALM												2.3	
	1.5	15.0	37.6	40.4	2.7	.4	.1					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 735

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72'25' (STATION) YOUNGSTOWN 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	.3	1.6	3.5	3.1	.3							8.7	9.5
NNE	.4	.7	.8	1.1	.1							3.1	9.0
NE	.1	.9	1.7	.7								3.5	8.4
ENE		.5	.3	.9								1.7	10.2
E		.8	1.3	.4								2.5	8.1
ESE	.1	.5	1.7	.8								3.2	9.1
SE		.4	1.9	1.9	.1	.1						4.4	11.3
SSE		.5	.9	.7								2.1	8.8
S	.4	.4	2.7	2.9	.1							6.6	10.3
SSW		1.1	2.1	3.1								6.3	10.5
SW	.1	2.0	2.9	4.3	1.3	.1						10.8	11.3
WSW		.5	2.7	4.4	1.1	.4						9.1	12.5
W	.1	.9	3.1	10.2	1.6	.4						16.3	12.5
WNW		.3	2.1	4.0	.3							6.7	11.7
NW	.1	.5	2.7	5.7	.7							9.8	11.8
NNW		.1	1.7	2.3	.1							4.3	11.4
VARBL													
CALM												.9	
	1.7	11.9	32.2	46.4	5.7	1.1						100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 748

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

12825.	YOUNGSTOWN MAP OH	73-81	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.6	4.5	3.3	.4							9.9	9.9
NNE		.1	1.6	1.1								2.8	9.9
NE	.1	.7	1.2	.7	.1							2.8	8.6
ENE	.1		.8	.7								1.6	9.9
E	.3	.4	1.5	.3								2.4	7.6
ESE		.8	1.7	.1								2.7	7.9
SE	.3	.4	2.3	2.0	.3							5.2	10.1
SSE		.3	.7	.7	.1							1.7	11.0
S	.1	1.6	3.6	1.7	.1							7.2	8.8
SSW	.1	1.1	1.6	2.0	.3							5.1	10.0
SW	.1	1.3	4.1	4.9	.4	.5						11.5	11.3
WSW		.5	2.7	5.5	.8	.1						9.6	12.3
W	.1	1.5	2.9	7.7	1.6	.3						14.1	12.4
WNW		.5	1.7	4.8	.1							7.2	11.7
NW	.3	.4	3.6	4.9	.7							9.9	11.3
NNW		.8	2.5	2.4	.4							6.1	11.0
VARBL													
CALM												.4	
	1.6	12.0	37.0	42.7	5.3	.9						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 751

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250	YOUNGSTOWN MAP OH	73-81	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	2.9	5.2	1.5		.1						10.3	7.8
NNE		.5	2.4	.9	.3							4.1	9.4
NE		.9	2.4	.7								4.0	8.6
ENE		.8	.7	.1								1.6	7.5
E	.1	1.3	2.3	.1								3.9	7.2
ESE		.5	1.1	.7								2.3	8.9
SE		1.1	1.6	1.1	.4	.3						4.4	10.5
SSE		1.9	.9	.5	.1							3.5	7.8
S	.4	2.4	2.9	1.2								7.0	7.7
SSW	.4	1.6	2.4	.9								5.3	7.6
SW		2.8	4.3	2.4	.1	.4						10.0	9.3
WSW		.9	3.2	3.3	1.2							8.7	11.6
W	.1	1.7	4.4	4.8	1.2	.4						12.7	11.4
WNW	.1	1.6	2.4	1.5	.3	.1						6.0	9.8
NW	.1	2.4	3.6	2.5								8.7	8.8
NNW	.3	1.1	2.1	2.1	.4	.1						6.1	10.2
VARBL													
CALM												1.3	
	2.1	24.6	42.0	24.5	4.0	1.5						100.0	9.2

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

2

SURFACE WINDS

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

72525 (STATION) YOUNGSTOWN 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	2.4	2.3	1.9								6.7	8.5
NNE	.1	.4	2.3	1.1								3.9	9.6
NE		2.0	2.9	.8								5.8	8.0
ENE		.5	1.2	.1								1.9	8.1
E	.1	1.9	1.9	.4								4.3	7.0
ESE	.1	.8	1.6	.7								3.2	8.5
SE	.1	.7	2.5	1.6	.3							5.2	9.7
SSE		.5	1.6	.8	.4							3.4	10.4
S	.1	4.8	3.4	1.2								9.5	7.2
SSW		2.3	2.7	1.1								6.0	8.1
SW	.4	1.2	2.9	2.9	.4							7.9	9.7
WSW	.1	1.1	2.5	2.7	.7							7.1	10.6
W	.4	2.9	3.8	6.8	2.1	.4	.1					16.6	11.4
WNW	.1	1.9	1.6	1.1								4.7	8.1
NW	.1	2.4	2.9	1.9	.4							7.8	8.9
NNW		1.2	2.0	.7		.1						4.0	8.8
VARBL													
CALM												2.0	
	2.0	27.1	38.2	25.7	4.3	.5	.1					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 746

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72:25(0) STATION | YOUNGSTOWN 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	.2	1.9	3.2	1.8	.1	.0						7.2	8.7
NNE	.1	.5	1.4	.8	.1							2.8	9.1
NE	.1	.9	1.9	.7	.0							3.7	8.5
ENE	.1	.6	1.0	.4	.0							2.0	8.2
E	.1	1.3	2.2	.5	.0							4.2	7.7
ESE	.1	.7	1.6	.7	.0							3.1	8.8
SE	.2	.7	2.6	2.0	.2	.1						5.7	9.9
SSE	.0	.7	1.4	.7	.2							3.0	9.2
S	.4	2.4	3.7	1.9	.1							8.4	8.3
SSW	.1	1.6	2.2	1.5	.1							5.5	8.7
SW	.3	2.1	3.5	3.9	.4	.1						10.2	10.1
WSW	.1	1.4	3.2	3.5	.9	.1						9.2	10.9
W	.2	1.8	4.1	6.5	1.0	.2	.0					13.8	11.3
WNW	.1	1.4	1.9	2.6	.2	.0						6.3	10.1
NW	.2	1.5	2.9	3.0	.3	.0						7.9	9.9
NNW	.2	1.0	1.8	1.8	.2	.0						5.1	9.9
VARBL													
CALM												2.0	
	2.2	20.6	38.7	32.3	3.6	.6	.0					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 5959

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

725250 (STATION) YOUNGSTOWN 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		2.0	2.0	1.1	.2							5.3	8.5
NNE	.1	.6	.7	.4								1.8	7.7
NE	.2	1.5	1.7	.4								3.8	6.9
ENE	.1	1.5	2.2	.2								4.0	7.1
E	.1	1.8	4.0	1.0								7.0	8.0
ESE	.1	1.0	2.7	2.7	.2							6.7	10.2
SE		1.5	3.3	4.2	.1							9.1	10.1
SSE	.2	1.1	1.6	.7								3.7	7.7
S	.1	2.8	4.8	1.3	.1							9.2	8.0
SSW	.1	.4	2.0	.5								2.9	8.6
SW	.1	1.6	1.8	2.0	.2							5.8	9.4
WSW	.4	.7	2.6	1.6	.2							5.5	8.9
W	.1	2.1	5.6	3.6	.6		.1					12.1	9.8
WNW		1.2	3.7	2.3	.4							7.6	9.8
NW		1.6	2.3	3.6	.6	.1						8.2	10.9
NNW	.2	1.3	2.5	.7								4.8	8.0
VARBL													
CALM												2.3	
	2.1	22.7	43.6	26.3	2.8	.1	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 815

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

725250 (STATION) YOUNGSTOWN 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	.4	2.4	2.0	1.0	.4							6.1	8.2
NNE		.3	.6	.3								1.1	8.0
NE	.1	2.0	1.6	.1								3.9	6.8
ENE		1.4	1.9	.4								3.6	7.7
E		1.1	3.5	1.4								6.0	8.7
ESE	.4	1.0	3.9	2.4	.1							7.8	9.4
SE		1.1	3.6	3.5	.4							8.6	10.3
SSE	.1	.9	2.1	1.5								4.6	9.2
S		2.3	5.8	1.6								9.6	8.5
SSW	.1	.5	2.4	.8								3.8	8.8
SW	.4	1.8	2.9	2.0	.1							7.1	8.7
WSW	.1	1.0	2.5	.6	.3							4.5	8.6
W		3.3	5.1	3.1	.4	.1						12.0	9.4
WNW		1.1	2.5	2.9	.4							6.9	10.6
NW		1.0	2.0	4.0	.3							7.3	11.3
NNW	.1	1.8	1.3	1.5	.1							4.8	8.6
VARBL													
CALM												2.4	
	1.8	22.8	43.6	27.0	2.4	.1						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 800

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525 (STATION) YOUNGSTOWN 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	1.5	2.3	1.0	.2							5.2	8.8
NNE	.2	.4	.8									1.5	6.5
NE		2.2	1.5									3.6	6.6
ENE	.1	1.0	1.7	.2								3.0	7.0
E	.2	2.5	4.4	1.2	.1							8.5	8.1
ESE	.1	.7	2.5	2.1	.2							5.7	9.6
SE		1.8	4.1	4.4	.5							10.8	10.3
SSE		.5	1.5	1.6	.2							3.8	10.6
S	.2	1.7	7.3	1.9								11.2	8.7
SSW	.1	1.2	1.8	1.5								4.6	8.8
SW	.1	2.9	3.8	1.1								7.9	7.8
WSW	.1	.5	1.5	1.5	.1	.1						3.8	10.5
W		2.4	6.6	3.0	.8	.1						13.0	9.8
WNW	.1	1.5	1.5	2.2	.6							5.8	10.4
NW		1.1	2.5	3.4	.2							7.3	10.7
NNW	.1	1.0	.8	1.0								2.9	8.7
VARBL													
CALM												1.5	
	1.8	22.8	44.5	26.0	3.2	.2						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 829

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

725250 (STATION) YOUNGSTOWN 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	1.7	2.7	1.3	.7							6.6	9.4
NNE		.5	.4	.7								1.6	9.8
NE	.1	1.2	1.0	1.2								3.5	9.0
ENE		.2	1.1	.7								2.1	9.0
E	.1	1.0	2.4	1.2	.4							5.1	9.5
ESE	.1	.6	2.2	2.4								5.3	10.0
SE		.7	2.8	3.6	.5							7.6	11.0
SSE		.4	2.5	1.9	.4							5.2	11.0
S	.1	1.6	3.6	4.2	.1							9.7	10.0
SSW	.1	.6	2.1	1.9	.1							4.9	10.2
SW		.7	2.5	6.3	.7	.1						10.4	12.1
WSW	.2	.2	1.6	4.4	.4							6.8	11.8
W		1.0	3.8	7.2	1.1							13.0	11.8
WNW	.1	.2	2.2	3.0	.1							5.7	11.1
NW	.1	.6	1.6	3.9	.5							6.7	11.9
NNW		.6	2.1	2.7								5.3	10.3
VARBL													
CALM												.5	
	1.2	11.9	34.5	46.8	5.0	.1						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 824

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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	.1	1.7	2.8	2.0	1.0							6.9	10.6
NNE	.1	.7	.4	.6								1.8	8.1
NE		.1	1.2	1.0	.4							2.7	11.1
ENE		.5	.1	.4								1.0	8.0
E	.1	.5	1.3	1.8	.1							3.9	10.5
ESE		.6	2.0	1.3	.1							4.0	9.7
SE	.1	.6	2.2	3.2	.1							6.2	10.9
SSE		.5	1.6	1.6								3.7	10.3
S		1.0	3.4	4.7								9.1	10.9
SSW		.5	1.1	2.5	.1							4.2	11.3
SW	.1	.6	2.5	5.3	1.3							9.8	12.4
WSW		.4	2.1	6.1	1.8	.4						10.8	13.3
W	.1	.9	2.5	6.4	2.6	.1						12.5	12.9
WNW		.4	1.3	3.8	.7							6.2	12.3
NW			3.1	5.4	1.5	.1						10.0	12.7
NNW	.1	.6	2.8	2.9	.4							6.9	11.0
VARBL													
CALM												.2	
	.9	8.8	30.4	48.9	10.2	.6						100.0	11.6

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)

725250	YOUNGSTOWN MAP OH	73-81	MAR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.5	3.6	3.2	.1							8.3	10.0
NNE	.1	.7	1.6	1.1								3.6	9.2
NE	.1	.6	1.0	1.2								2.9	9.4
ENE	.1	.4	.4	.4								1.2	8.2
E		.5	1.7	1.0								3.2	9.5
ESE		.4	1.2	2.0								3.6	10.8
SE	.1	1.0	2.9	2.3	.2							6.6	10.2
SSE		1.1	1.6	.9	.1							3.7	9.2
S	.1	.9	3.9	3.3	.4							8.6	10.3
SSW			1.7	2.9	.1							4.8	11.9
SW	.4	.2	1.8	3.9	1.8							8.2	12.8
WSW		.1	1.8	4.8	1.1	.4	.1					8.3	13.8
W	.2	.5	2.5	6.6	2.1	.4						12.3	13.3
WNW		.1	2.1	4.2	1.3							7.7	13.0
NW		1.0	2.9	5.5	.7	.2						10.4	11.9
NNW		.4	1.7	3.3	.9							6.3	12.3
VARBL													
CALM												.2	
	1.2	9.3	32.5	46.6	9.0	1.0	.1					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 815

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

725250	YOUNGSTOWN MAP OH	73-81	MAR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	3.2	5.6	2.3								11.3	8.3
NNE		.4	2.6	1.9	.1							5.0	9.7
NE	.1	1.7	3.2	.2								5.2	7.5
ENE	.1	.5	.9	.2								1.7	7.7
E		1.7	2.7	.7								5.1	7.7
ESE	.1	1.2	1.7	1.5	.1							4.6	9.4
SE	.2	.7	1.8	3.4	.2							6.5	10.8
SSE		1.0	1.2	.7								2.9	8.5
S	.1	1.6	2.9	1.5	.1							6.2	8.8
SSW		1.7	2.1	1.2	.1							5.1	8.6
SW	.2	1.0	1.5	2.9	.1	.1						5.8	10.7
WSW	.1	.7	1.3	2.4	.5	.2						5.4	11.8
W	.2	1.1	3.0	4.8	1.1	.1						10.4	11.5
WNW	.1	.6	2.9	3.5	.7							7.9	11.4
NW	.1	.9	3.2	5.6	1.2							11.0	11.7
NNW		.5	1.6	2.4	.2							4.8	11.0
VARBL													
CALM												1.1	
	1.8	18.4	38.1	35.4	4.6	.5						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 821

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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	2.9	2.8	.9								6.7	7.3
NNE		1.6	1.8	.5								3.9	7.3
NE		1.7	3.1	.9								5.6	7.8
ENE		.6	1.8	.4								2.8	8.3
E	.2	2.0	2.3	1.3								5.9	8.0
ESE	.1	1.2	3.9	2.6	.1							7.9	9.4
SE	.1	1.0	3.3	2.8	.4							7.6	10.4
SSE	.1	.5	1.2	1.1								2.9	9.4
S		2.7	4.0	2.2	.1							9.0	8.9
SSW	.1	1.2	2.6	.6								4.5	7.9
SW		1.1	2.0	.7	.1							3.9	9.2
WSW		1.1	2.7	2.0	.2							6.0	9.8
W	.2	2.8	2.9	4.3	.6							10.9	9.9
WNW		.6	2.6	2.8								6.0	10.4
NW	.4	2.0	3.1	4.3	.5	.1						10.3	10.2
NNW		1.0	1.7	1.1	.6							4.4	10.3
VARBL													
CALM												1.6	
	1.5	24.0	41.8	28.4	2.7	.1						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 818

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72-250 (STATION) YOUNGSTOWN 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	.2	2.0	3.0	1.6	.3							7.1	8.9
NNE	.1	.6	1.1	.7	.0							2.5	8.5
NE	.1	1.4	1.8	.6	.0							3.9	8.0
ENE	.1	.8	1.3	.4								2.4	7.7
E	.1	1.4	2.8	1.2	.1							5.6	8.6
ESE	.1	.8	2.5	2.1	.1							5.7	9.7
SE	.1	1.1	3.0	3.4	.3							7.9	10.5
SSE	.1	.7	1.7	1.3	.1							3.8	9.6
S	.1	1.8	4.5	2.6	.1							9.1	9.2
SSW	.1	.8	2.0	1.5	.1							4.3	9.6
SW	.2	1.2	2.3	3.0	.6	.0						7.4	10.7
WSW	.1	.6	2.0	2.9	.6	.1	.0					6.4	11.5
W	.1	1.7	4.0	4.9	1.2	.1	.0					12.0	11.1
WNW	.0	.7	2.3	3.1	.5							6.7	11.2
NW	.1	1.0	2.6	4.5	.7	.1						8.9	11.4
NNW	.1	.9	1.8	2.0	.3							5.0	10.2
VARBL													
CALM												1.2	
	1.5	17.6	38.6	35.7	5.0	.4	.0					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 6533

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72-250 (STATION) YOUNGSTOWN 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	.1	2.1	2.8	.9								5.8	7.7
NNE	.1	.3	1.5									1.9	7.5
NE	.3	1.5	2.3									4.0	6.5
ENE		1.0	2.1	.4								3.5	7.8
E	.3	2.0	4.9	.6								7.8	7.2
ESE		2.4	1.9	1.0	.1							5.4	8.1
SE	.4	1.8	2.4	2.4	.1							7.0	9.1
SSE	.3	.8	1.9	.4								3.3	7.3
S	.5	3.0	4.5	1.8								9.8	7.9
SSW	.1	2.0	1.8	.4	.3							4.5	7.5
SW	.4	3.0	4.3	1.8		.1						9.5	8.2
WSW	.3	1.1	2.0	2.3	.3							5.9	9.9
W	.3	3.0	3.0	2.3	.4	.4	.1					9.4	9.5
WNW	.1	1.1	3.1	1.0	.1							5.5	8.9
NW	.1	2.4	2.1	1.9	.3	.1						6.9	9.3
NNW	.3	1.5	1.1	.8	.4							4.0	8.9
VARBL													
CALM												5.7	
	3.4	28.9	41.7	17.7	1.9	.6	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 796

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525 (STATION) YOUNGSTOWN 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	.1	1.4	1.8	1.1								4.5	8.6
NNE	.1	.6	.9	.4								2.0	7.8
NE		1.3	1.9	.1								3.3	7.3
ENE		.9	1.1	.1								2.2	7.0
E	.3	2.4	2.9	1.4								7.0	7.9
ESE	.1	1.4	3.3	1.5								6.4	8.7
SE	.1	2.0	3.1	1.4	.1							6.8	8.2
SSE		.4	2.3	.8								3.4	8.9
S	.1	3.8	6.5	1.8								12.2	8.0
SSW		2.6	1.9	1.0								5.5	7.6
SW	.5	2.6	3.3	1.3	.3							7.9	8.0
WSW	.4	1.8	2.4	1.8	.1	.1						6.6	9.0
W		2.9	2.2	2.6	.6	.4						8.7	10.1
WNW	.5	1.7	2.0	.6	.4							5.2	8.1
NW	.3	2.7	2.0	2.8	.6							8.4	9.6
NNW	.1	1.7	.9	1.3	.3							4.2	9.2
VARBL													
CALM												5.6	
	2.7	30.1	38.6	20.0	2.4	.5						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 784

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525	YOUNGSTOWN MAP OH	73-81	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.1	1.9	1.9	.4							5.5	10.0
NNE		.8	1.4	.1								2.3	7.3
NE	.1	1.1	1.3	.6	.1							3.3	7.8
ENE		.9	1.5	.4								2.8	8.0
E		1.1	2.8	.9	.1							4.9	8.8
ESE	.1	1.5	2.6	2.1								6.4	9.1
SE	.3	1.3	4.1	1.8	.1							7.5	8.9
SSE	.1	.8	2.0	.6								3.5	8.2
S	.1	3.3	6.9	2.3	.1							12.7	8.3
SSW	.1	1.4	2.3	1.6								5.4	8.9
SW	.1	2.8	3.5	2.4								8.8	8.7
WSW	.4	1.9	1.8	1.1	.5	.1	.1					5.9	9.4
W	.3	3.1	2.8	4.1	.6	.1						11.0	10.0
WNW	.3	1.5	1.5	.8	.3	.3						4.5	9.0
NW		1.1	2.5	1.4	.4							5.4	9.7
NNW	.1	1.9	2.3	2.5								6.8	9.4
VARBL													
CALM												3.4	
	2.3	25.5	41.0	24.6	2.6	.5	.1					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 797

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)

72250 (STATION) YOUNGSTOWN 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		1.6	4.6	3.8	.3							10.3	9.7
NNE		.5	1.3	.5								2.3	8.8
NE		1.1	1.1	1.4	.3							3.9	9.6
ENE		.6	.5	.4								1.5	7.8
E	.3	.8	2.1	1.8	.1							5.0	9.4
ESE		.9	1.0	2.5	.6							5.0	11.4
SE		1.3	1.6	3.1								6.0	10.4
SSE		.5	1.4	1.3								3.1	9.8
S	.1	.9	3.5	2.5								7.0	9.7
SSW		.8	1.4	2.6	.3							5.0	10.8
SW		1.4	2.1	6.6	.6							10.8	11.7
WSW	.1	.8	1.5	4.6	1.1							8.1	12.2
W	.1	1.0	2.4	4.5	1.0	.6						9.6	12.5
WNW		.1	1.6	2.9	.3	.6						5.5	13.2
NW	.1	1.8	1.6	5.0	.4							8.9	10.6
NNW	.1	.5	1.8	3.6	1.0							7.0	12.1
VARBL													
CALM												.9	
	.9	14.4	29.6	47.1	5.9	1.3						100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 798

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525 (0) — STATION
YOUNGSTOWN 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		1.3	5.1	3.8	.5							10.7	10.2
NNE	.1	.4	1.0	1.4	.1							3.0	10.6
NE		.4	.9	1.1								2.4	10.3
ENE		.1	.8	.3								1.1	8.4
E	.1	.1	1.1	.8								2.1	9.7
ESE		.6	.5	1.3	.1	.1						2.6	11.2
SE		1.3	1.8	3.3	.4							6.6	11.0
SSE		.6	.5	1.1	.1							2.4	9.7
S	.1	1.0	3.6	2.3								7.0	9.6
SSW		.3	1.0	3.3	.4	.1	.1					5.1	12.7
SW		1.0	2.1	5.3	.9							9.3	12.0
WSW		.5	.9	3.6	1.8	.5						7.3	14.3
W		1.9	3.1	7.1	1.0	.4	.1					13.7	11.9
WNW		.1	1.0	4.3	.4	.3	.1					6.1	13.4
NW		.8	3.3	7.9	.6	.4						12.9	12.6
NNW		.3	2.0	4.0	1.3							7.5	12.7
VARBL													
CALM												.1	
	.4	10.5	28.7	50.6	7.5	1.6	.4					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 798

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72[illegible]5[illegible]	YOUNGSTOWN MAP OH	73-81	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.6	3.9	6.3	.5							12.4	10.9
NNE		.1	1.3	1.1	.1							2.6	11.6
NE	.1	.9	1.3	1.4	.1							3.8	9.4
ENE		.4	.4									.8	7.5
E		.6	1.1									1.8	7.1
ESE	.1	.4	.4	1.4	.1							2.4	11.0
SE		.6	1.9	2.1	.8							5.4	11.5
SSE		.1	1.1	.5								1.8	9.6
S		1.1	3.1	2.6								6.9	9.6
SSW		.5	1.6	2.3		.1						4.5	11.1
SW		.1	2.5	4.8	.9							8.3	12.3
WSW	.1	1.0	1.9	3.8	2.0	.3						9.0	12.9
W		.8	2.5	5.5	1.6	.4	.1					10.9	13.0
WNW	.1	.3	1.5	3.9	.4	.3						6.4	12.4
NW	.1	1.0	2.9	7.0	1.0	.6						12.7	12.6
NNW	.1	.5	2.0	6.3	1.1							10.1	12.8
VARBL													
CALM												.3	
	.9	10.1	29.4	49.0	8.7	1.6	.1					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 796

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72[illegible]25[illegible] (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		3.4	9.3	4.0	.1							16.8	8.8
NNE		.5	3.1	1.4								5.0	9.1
NE		1.3	2.9	.9	.3							5.3	8.6
ENE		.5	.5									1.0	6.8
E		1.0	1.0	.1								2.1	7.1
ESE		.4	1.1	1.3								2.8	10.1
SE		1.4	1.8	1.3	.6							5.0	10.3
SSE		.9	1.1	.3	.4							2.6	8.7
S	.4	3.8	2.1	1.1								7.4	7.1
SSW	.3	1.4	1.5	1.4	.1							4.6	8.9
SW		2.0	3.4	1.9	.1							7.4	9.0
WSW	.1	.6	1.4	2.4	.3	.1						4.9	11.3
W		1.4	2.3	3.3	.6	.1						7.6	11.0
WNW	.1	1.5	2.6	2.4		.4						7.0	10.2
NW	.3	1.3	3.6	4.1	1.3							10.5	10.8
NNW	.4	1.0	2.3	3.6	.9							8.1	10.6
VARBL													
CALM												1.8	
	1.5	22.2	40.0	29.3	4.6	.6						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 798

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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	.3	4.5	4.0	1.0								9.8	7.1
NNE	.3	.9	1.9	.5								3.5	7.8
NE	.3	2.7	5.4	.4								8.7	7.1
ENE		.8	2.0	.1								2.9	6.9
E	.3	2.4	1.9	.1								4.7	6.5
ESE		1.6	2.1	2.0								5.8	9.1
SE		2.7	1.6	1.4	.6	.1						6.4	9.5
SSE		1.9	1.6	.4	.1							4.0	7.2
S	.3	3.7	3.4	1.1	.1							8.6	7.6
SSW	.3	2.0	1.8	.6	.1							4.8	8.1
SW		1.5	2.8	1.9								6.2	9.1
WSW	.1	.4	1.4	1.6	.3	.1						3.9	11.0
W	.3	2.5	3.4	2.7	.5	.4						9.7	10.0
WNW	.4	1.3	1.6	1.8	.1	.3						5.4	9.7
NW	.3	2.0	2.0	1.9		.3						6.4	9.3
NNW	.3	1.4	2.1	1.1	.3							5.2	8.9
VARBL													
CALM												3.8	
	2.8	32.2	39.3	18.7	2.1	1.1						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 792

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72253	YOUNGSTOWN MAP OH	73-81	APR
STATION	STATION NAME	YEARS	MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	2.1	4.2	2.8	.2							9.5	9.2
NNE	.1	.5	1.5	.7	.0							2.8	8.9
NE	.1	1.3	2.1	.7	.1							4.3	8.1
ENE		.6	1.1	.2								2.0	7.5
E	.1	1.3	2.2	.7	.0							4.4	7.9
ESE	.0	1.1	1.6	1.6	.1	.0						4.6	9.5
SE	.1	1.5	2.3	2.1	.3	.0						6.4	9.8
SSE	.0	.7	1.5	.7	.1							3.0	8.5
S	.2	2.6	4.2	1.9	.0							8.9	8.4
SSW	.1	1.4	1.7	1.7	.1	.0	.0					4.9	9.5
SW	.1	1.8	3.0	3.2	.3	.0						8.5	10.0
WSW	.2	1.0	1.7	2.7	.8	.2	.0					6.5	11.5
W	.1	2.1	2.7	4.0	.8	.3	.0					10.1	11.1
WNW	.2	.9	1.9	2.2	.2	.3	.0					5.7	10.7
NW	.1	1.6	2.5	4.0	.6	.2						9.0	10.9
NNW	.2	1.1	1.8	2.9	.6							6.6	11.0
VARBL													
CALM												2.7	
	1.8	21.7	36.0	32.2	4.5	1.0	.1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 6359

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525 (STATION) YOUNGSTOWN 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	.4	2.1	2.1	.8								5.3	7.2
NNE	.3	.6	.8	.1								1.8	6.4
NE	.4	1.8	2.2	.3								4.7	6.9
ENE	.3	1.3	2.2	.1								3.9	6.9
E	.6	5.2	4.3	.5								10.6	6.5
ESE	.1	1.8	3.6	.8								6.4	7.7
SE	.5	2.9	5.6	1.3	.3							10.5	8.0
SSE	.1	1.0	1.8	1.0								4.0	8.5
S	.1	2.7	5.2	.8								8.8	7.4
SSW	.5	1.7	2.2	.5								4.9	7.1
SW	.6	3.8	3.2	.3								7.9	6.7
WSW	.1	1.9	.9	.3								3.2	6.3
W	.9	2.6	2.2	1.7								7.4	7.7
WNW	.1	2.2	1.3	.4								4.0	6.9
NW		3.5	2.6									6.1	6.5
NNW	.1	1.0	.5	.1								1.8	6.4
VARBL													
CALM												8.6	
	5.3	36.2	40.7	8.9	.3							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 771

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725250 (STATION) YOUNGSTOWN 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	.1	1.7	1.7	.9								4.5	7.8
NNE		.5	.8									1.3	6.6
NE	.4	.7	2.4	.5								3.9	7.8
ENE		2.0	2.8	.1								4.9	6.8
E	.4	4.9	3.8	.3								9.3	6.4
ESE	.8	2.6	3.8	.8								8.0	7.2
SE		3.0	5.4	2.0								10.4	8.1
SSE		1.3	3.5	.7								5.5	8.0
S	.1	2.9	4.9	.4								8.3	7.3
SSW	.4	2.4	2.5	.9								6.2	7.2
SW	.7	2.5	2.9	.9								7.0	7.4
WSW	.5	.9	1.7	.5	.1							3.8	8.2
W	.5	3.0	2.1	.9	.1							6.7	7.4
WNW	.3	1.3	1.8	.5								3.9	7.5
NW	.4	2.2	.8	.4								3.8	6.2
NNW	.5	1.2	1.6	.7	.1							4.1	7.7
VARBL													
CALM												8.5	
	5.1	33.1	42.4	10.5	.4							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 762

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

725250	YOUNGSTOWN MAP OH	73-81	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.6	1.7	1.1	.1							4.9	8.5
NNE		1.1	1.1									2.2	6.9
NE	.2	1.5	2.7	.6								5.0	7.5
ENE	.2	1.2	1.7	.2								3.4	6.7
E	.2	3.0	3.2	1.0	.1							7.5	7.5
ESE		1.1	3.6	1.5								6.2	8.7
SE	.4	2.3	5.0	1.3								9.0	8.0
SSE	.1	.9	3.9	.7								5.6	8.4
S	.6	2.4	6.9	1.5								11.4	7.8
SSW	.5	1.8	4.3	.9								7.4	7.7
SW	.5	1.7	2.7	1.0								5.8	8.1
WSW	.1	1.3	2.4	1.3								5.2	8.5
W	.5	2.3	3.5	1.6	.2							8.1	8.4
WNW	.2	1.5	1.8	.9								4.4	7.8
NW	.2	1.5	2.2	1.2								5.1	8.1
NNW	.1	2.2	1.3	1.5								5.1	8.1
VARBL													
CALM												3.6	
	4.4	27.3	48.0	16.2	.5							100.0	7.7

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)

725250 STATION | YOUNGSTOWN 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	.1	1.2	3.6	2.6	.4							7.9	9.7
NNE		.5	2.2	.9								3.6	9.2
NE		1.1	2.3	.4								3.8	8.0
ENE		.6	.4	.4								1.4	7.7
E	.2	1.4	3.5	.9	.1							6.0	8.1
ESE		.4	1.7	1.4								3.5	9.8
SE	.1	1.2	4.1	3.2								8.6	9.4
SSE		.7	3.0	.6								4.3	8.8
S		2.1	4.8	2.3								9.2	8.7
SSW		1.5	3.2	2.8								7.5	9.4
SW		.4	3.6	3.5	.2							7.6	10.7
WSW	.1	1.1	2.1	1.8	.4							5.5	10.1
W		1.4	4.4	4.6	.2							10.6	10.3
WNW		1.0	2.2	2.5	.2							5.9	10.0
NW		1.2	4.3	3.5	.4							9.4	10.4
NNW		.9	2.2	1.5	.1							4.7	9.6
VARBL													
CALM												.4	
	.6	16.6	47.6	32.7	2.1							100.0	9.5

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

2

SURFACE WINDS

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

72257	YOUNGSTOWN MAP OH	73-81	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	2.1	4.3	5.0	.4							11.8	10.2
NNE	.1	.5	1.0	.7								2.3	9.0
NE	.1	.7	1.1	.5								2.4	8.1
ENE	.1	.2	.9	.6								1.8	8.6
E		1.2	2.9	.5								4.6	8.0
ESE		.4	1.8	.6	.1							2.9	9.3
SE	.2	1.1	2.2	1.8								5.4	9.2
SSE		.7	2.1	1.3								4.1	9.5
S		1.5	4.0	2.8								8.3	9.3
SSW		.9	1.9	2.3	.1							5.2	10.3
SW	.1	.5	2.7	4.5	1.2							9.0	12.1
WSW	.2	1.0	2.6	5.4	.7	.1						10.0	11.3
W	.1	1.2	4.4	4.5	.5	.1						10.8	11.0
WNW	.1	.5	1.7	2.9	.5							5.7	11.0
NW		1.2	2.9	3.5	.4							8.0	10.5
NNW		.9	1.5	4.5	.4							7.2	11.3
VARBL													
CALM												.2	
	1.3	14.5	37.9	41.5	4.3	.2						100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 821

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72 25S — STATION
YOUNGSTOWN 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		2.1	7.1	6.4	.2							15.8	10.0
NNE	.4	.9	1.5	2.5	.2							5.4	10.3
NE		.9	.5	.6								2.0	8.0
ENE			.7	.4								1.1	9.7
E		1.1	2.0	.6								3.7	8.2
ESE		1.0	1.5	.5								2.9	8.1
SE		1.5	2.1	2.5	.1							6.1	9.3
SSE		.6	1.2	1.3								3.2	9.6
S	.1	2.0	3.4	1.5	.1							7.1	8.6
SSW		.4	1.3	2.2	.2							4.2	11.5
SW		.7	3.2	4.8	.2							8.9	11.1
WSW	.2	.7	2.8	2.9	.4							7.1	10.4
W		1.1	3.8	3.8	.4	.1						9.2	11.0
WNW	.1	.1	2.3	2.5	.5							5.5	11.0
NW		.9	3.3	4.4	.5	.1						9.2	11.2
NNW		.9	2.9	3.7	.5	.1						8.1	11.4
VARBL													
CALM												.5	
	.9	14.7	39.7	40.4	3.4	.4						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 816

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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	6.0	8.0	3.3		.1						17.6	8.0
NNE		1.1	3.3	1.6								6.0	8.8
NE		1.5	2.6	.7								4.7	8.2
ENE	.1	.6	.7									1.5	6.8
E	.2	2.3	.9	.7								4.1	6.9
ESE		1.8	1.6	.6								4.0	7.3
SE	.2	2.1	1.6	1.7								5.6	8.3
SSE	.5	1.1	1.1	.9								3.5	7.5
S	.6	3.8	3.2	.9								8.4	6.8
SSW		1.7	2.2	.7								4.6	7.9
SW	.2	1.3	1.9	1.2	.4							5.1	9.2
WSW		1.7	1.2	.6	.1							3.6	7.9
W	.5	1.8	2.7	2.2	.1							7.3	8.7
WNW	.1	1.6	2.8	1.2								5.7	8.5
NW	.5	2.2	3.8	1.8	.2							8.5	8.5
NNW	.1	1.0	2.8	2.1	.2							6.2	10.0
VARBL													
CALM												3.4	
	3.4	31.5	40.3	20.2	1.1	.1						100.0	7.9

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)

72250	YOUNGSTOWN MAP OH	73-81	MAY
STATION	STATION NAME	YEARS	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	.8	7.3	2.2	.3	.5							11.0	6.5
NNE	.1	.9	1.5									2.5	7.1
NE	.1	2.5	3.1	.3								6.0	7.1
ENE		2.8	2.9	.1								5.9	6.4
E	.3	4.3	2.5	.3	.3							7.6	6.8
ESE	.1	1.5	3.2	1.0								5.9	7.8
SE	.4	4.1	2.9	1.4								8.8	7.6
SSE		1.4	1.4	.5								3.3	7.7
S		3.7	4.7	.4								8.8	6.9
SSW	.1	2.2	2.2	1.1								5.6	7.6
SW	.5	2.2	2.3	.3								5.2	6.8
WSW	.3	1.3	.4	.4								2.3	6.3
W	1.1	2.3	1.9	1.1	.3							6.8	7.5
WNW	.3	1.8	1.5									3.6	6.3
NW	.4	2.5	1.7	.8								5.4	7.0
NNW	.1	1.9	1.3	.5								3.8	6.9
VARBL													
CALM												7.6	
	4.6	42.7	35.7	8.4	1.0							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 785

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72253 (STATION) YOUNGSTOWN 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	3.0	3.9	2.6	.2	.0						9.9	8.7
NNE	.1	.8	1.5	.7	.0							3.2	8.6
NE	.2	1.3	2.1	.5								4.1	7.6
ENE	.1	1.1	1.5	.2								2.9	7.0
E	.2	2.9	2.9	.6	.1							6.6	7.1
ESE	.1	1.3	2.6	.9	.0							4.9	8.1
SE	.2	2.2	3.6	1.9	.0							8.0	8.4
SSE	.1	1.0	2.2	.9								4.2	8.5
S	.2	2.6	4.6	1.3	.0							8.8	7.8
SSW	.2	1.5	2.5	1.5	.0							5.7	8.5
SW	.3	1.6	2.8	2.1	.3							7.1	9.3
WSW	.2	1.2	1.8	1.7	.2	.0						5.1	9.4
W	.5	1.9	3.2	2.6	.2	.0						8.4	9.3
WNW	.2	1.2	1.9	1.4	.2							4.9	8.9
NW	.2	1.9	2.7	2.0	.2	.0						7.0	9.1
NNW	.1	1.2	1.8	1.8	.2	.0						5.2	9.6
VARBL													
CALM												4.0	
	3.2	26.9	41.6	22.6	1.7	.1						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 6911

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

725250 (STATION) YOUNGSTOWN 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		3.0	1.1	.4								4.5	6.7
NNE		.7	1.4	.1								2.3	7.4
NE		1.7	1.0									2.7	6.1
ENE	.3	.7	.9									1.8	5.8
E	.1	3.7	3.3	.3								7.4	6.6
ESE	.1	4.1	2.1									6.4	6.1
SE	.1	3.7	3.7	.3								7.8	6.9
SSE	.1	2.7	1.6									4.4	6.2
S	.9	5.5	9.2	.3								15.9	6.8
SSW	.7	2.4	4.8	.3								8.2	7.2
SW	.9	3.4	5.0	1.4	.1							10.8	7.5
WSW	.7	1.8	1.6	.9								5.0	7.0
W	.4	3.1	1.6	1.0								6.1	7.3
WNW	.6	1.8	.7	.4								3.5	6.4
NW		1.6	.7	.1								2.4	6.8
NNW	.6	.4	.6	.7								2.3	8.0
VARBL													
CALM												8.5	
	5.5	40.4	39.1	6.2	.1							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 705

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525 (STATION) YOUNGSTOWN 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	1.7	1.8	.4	.1							4.3	7.4
NNE	.3	.6	1.3									2.1	7.0
NE		1.3	1.4	.3								3.0	7.2
ENE	.1	1.1	.1									1.4	5.6
E	.6	3.1	2.6									6.2	6.1
ESE	.1	2.7	2.1									5.0	6.2
SE	.1	3.3	5.0	.1								8.5	7.0
SSE	.6	2.4	1.8	.3								5.1	6.4
S	.6	5.5	8.7	.6								15.3	7.0
SSW	.3	3.7	3.0	.6								7.5	6.7
SW	.7	4.8	5.1	2.0								12.6	7.3
WSW	.4	3.4	2.7	.3								6.8	6.6
W	.7	2.1	1.3	1.0	.1							5.3	7.4
WNW	.1	1.6	.3	.4								2.4	6.9
NW	.1	.9	1.3	.4								2.7	7.4
NNW		1.0	1.0									2.0	6.6
VARBL													
CALM												9.7	
	5.0	39.2	39.5	6.4	.3							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 704

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250	YOUNGSTOWN MAP OH	73-81	JUN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.4	1.7	.5								4.0	7.1
NNE		.4	1.6	.4								2.4	8.3
NE		.7	1.2	.4								2.4	7.8
ENE		1.1	1.0									2.1	6.8
E	.1	2.2	2.7									5.1	6.6
ESE	.1	2.9	2.0	.1								5.1	6.2
SE		2.2	4.4	.5								7.1	7.6
SSE	.2	2.2	3.0	.1								5.6	6.9
S	.7	3.6	8.0	1.0								13.3	7.5
SSW	.1	4.0	4.1	.5								8.7	6.8
SW	.7	2.6	5.6	2.4	.2							11.6	8.2
WSW	.6	3.0	3.2	2.0								8.8	7.8
W	.5	2.9	2.6	1.4	.2							7.6	7.6
WNW	.2	1.1	1.9	.5								3.7	7.5
NW	.4	1.2	1.7	.6								4.0	7.3
NNW	.1	.9	1.7	.5								3.2	8.2
VARBL													
CALM												5.2	
	4.4	32.5	46.6	10.8	.5							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 803

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72-25[illegible] YOUNGSTOWN MAP OH 73-81 JUN
STATION STATION NAME YEARS MONTH

ALL WEATHER 0900-1100
CLASS 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	3.3	.8	.1							5.5	8.2
NNE		.4	1.4	.9								2.7	9.6
NE		.9	.8	.4								2.0	7.6
ENE	.1	.3	.3	.3								.9	7.3
E		1.0	2.0	.4								3.4	7.8
ESE	.1	.9	1.3	.4								2.7	7.9
SE	.3	1.1	2.3	.5								4.2	7.5
SSE		.5	2.0	1.0								3.6	9.5
S	.3	2.7	8.1	2.5								13.6	8.4
SSW		1.3	3.4	2.0								6.7	9.1
SW	.1	2.0	5.5	3.8	.1							11.6	9.5
WSW		.5	6.1	4.5								11.1	10.2
W	.6	1.9	6.2	4.6								13.4	9.4
WNW		1.4	2.9	1.5	.1							6.0	8.9
NW	.1	1.8	3.2	2.0	.4							7.5	9.2
NNW		.6	2.0	1.3	.1							4.1	9.8
VARBL													
CALM												1.1	
	2.0	18.2	50.9	26.8	.9							100.0	8.9

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

2

SURFACE WINDS

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

725250 (STATION) YOUNGSTOWN 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		2.0	3.9	2.1								8.0	8.8
NNE		.5	1.3	1.4	.3							3.4	10.7
NE		.3	.6	.6								1.5	9.1
ENE	.1	.1	.5	.1								.9	7.7
E		1.0	1.0	.4								2.4	7.8
ESE		.3	1.0	.3								1.5	8.3
SE		.4	1.4	1.3								3.0	9.5
SSE		.5	1.5	1.1	.1							3.3	9.4
S		2.6	5.6	3.0								11.3	8.8
SSW	.1	.8	3.6	2.3	.3							7.0	9.7
SW		1.5	5.9	4.8	.4							12.5	10.2
WSW	.1	1.1	3.1	4.4	.3							9.0	10.3
W	.1	2.5	4.8	5.5	.8							13.6	10.3
WNW		.9	3.1	2.3	.4	.1						6.8	10.8
NW	.1	1.0	4.3	3.5	.1							9.0	9.9
NNW		1.0	1.1	4.0	.3							6.4	11.2
VARBL													
CALM												.6	
	.6	16.4	42.6	36.9	2.8	.1						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 800

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)

72525 (STATION) YOUNGSTOWN 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	.5	1.5	5.5	4.1								11.6	9.3
NNE		.3	1.8	.6								2.7	9.2
NE	.1	.5	1.0	.4								2.0	7.8
ENE		.3	.8	.3								1.3	8.5
E		.4	1.8	.6								2.8	8.8
ESE		.4	.6	.3								1.3	7.8
SE	.1	1.4	1.7	.5	.1							3.8	7.9
SSE	.1	.3	1.5	1.1								3.1	9.3
S	.1	1.9	4.6	1.3								7.9	8.2
SSW	.1	1.4	3.3	3.4	.3							8.5	10.1
SW	.4	1.3	6.4	4.2	.4							12.6	9.8
WSW		1.7	3.2	3.6	.1							8.5	10.0
W	.1	1.0	4.5	3.7	.3							9.6	10.2
WNW	.1	.6	2.6	1.8	.1							5.2	9.8
NW	.1	.8	5.4	4.7	.3							11.2	10.4
NNW		.8	2.2	4.2	.1							7.3	11.1
VARBL													
CALM												.5	
	1.9	14.4	46.7	34.8	1.7							100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 784

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72525 (STATION) YOUNGSTOWN 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		3.2	5.5	1.5	.1							10.3	8.0
NNE		1.3	3.0	.5								4.8	7.9
NE		1.9	1.3									3.2	6.5
ENE	.1	.8	.3	.1								1.3	5.9
E	.4	2.1	1.0	.1								3.7	5.9
ESE	.3	1.4	1.3	.1								3.0	6.7
SE		1.5	1.8	.8								4.0	8.3
SSE	.1	1.0	1.4	.1								2.6	6.9
S	.5	5.2	4.3	1.9								11.9	7.1
SSW	.1	4.3	3.7	.9								9.0	7.1
SW	.6	2.9	4.8	1.5								9.8	7.7
WSW	.8	1.9	2.6	.8	.3							6.3	7.6
W	.3	1.9	2.1	1.3								5.5	7.8
WNW	.3	1.6	1.0	.6								3.5	7.5
NW	.4	3.8	3.5	2.1	.1							10.0	8.3
NNW		1.3	3.7	2.1	.1							7.2	9.5
VARBL													
CALM												3.9	
	3.8	35.9	41.2	14.5	.6							100.0	7.3

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)

724250	YOUNGSTOWN MAP OH	73-81	JUN
STATION	STATION NAME	YEARS	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	.8	1.8	3.0	.3								5.9	6.6
NNE	.1	1.2	1.2	.3								2.9	7.0
NE	.1	2.5	1.8									4.4	6.1
ENE	.3	2.6	1.6									4.5	5.8
E	.3	4.9	1.1									6.3	5.6
ESE	.5	2.6	1.5	.3								4.9	6.3
SE	.1	2.2	1.0	.7								4.0	7.1
SSE	.4	2.3	1.9	.1								4.8	6.4
S	1.1	8.9	8.0	.7								18.7	6.6
SSW	1.0	3.5	3.0	.5								8.0	6.9
SW	1.0	2.9	2.6	1.0								7.4	6.8
WSW	.4	1.8	.5	.7								3.4	7.2
W	.5	2.3	2.0	.8								5.7	7.0
WNW	.4	1.6	.7	.3								3.0	6.3
NW	.4	1.2	1.6	.3		.1						3.7	7.6
NNW	.3	1.0	.3	.4								1.9	6.5
VARBL													
CALM												10.6	
	7.8	43.2	31.9	6.3		.1						100.0*	5.9

TOTAL NUMBER OF OBSERVATIONS 733

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72-250 (STATION) YOUNGSTOWN 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	.3	1.9	3.3	1.3	.0							6.8	8.1
NNE	.0	.7	1.6	.5	.0							2.9	8.5
NE	.0	1.2	1.1	.3								2.6	7.1
ENE	.1	.9	.7	.1								1.8	6.4
E	.2	2.3	1.9	.2								4.6	6.7
ESE	.2	1.9	1.5	.2								3.7	6.6
SE	.1	1.9	2.6	.6	.0							5.2	7.6
SSE	.2	1.5	1.9	.5	.0							4.0	7.4
S	.5	4.4	7.0	1.4								13.4	7.5
SSW	.3	2.7	3.6	1.3	.1							8.0	7.9
SW	.5	2.6	5.1	2.7	.2							11.1	8.5
WSW	.4	1.9	2.9	2.2	.1							7.4	8.7
W	.4	2.2	3.2	2.5	.2							8.4	8.8
WNW	.2	1.3	1.7	1.0	.1	.0						4.3	8.5
NW	.2	1.5	2.8	1.8	.1	.0						6.4	9.0
NNW	.1	.9	1.6	1.7	.1							4.4	9.7
VARBL													
CALM												4.9	
	3.8	29.6	42.5	18.3	.9	.0						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 6108

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-80 (YEARS) JUL (MONTH)

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

(CONDITION)

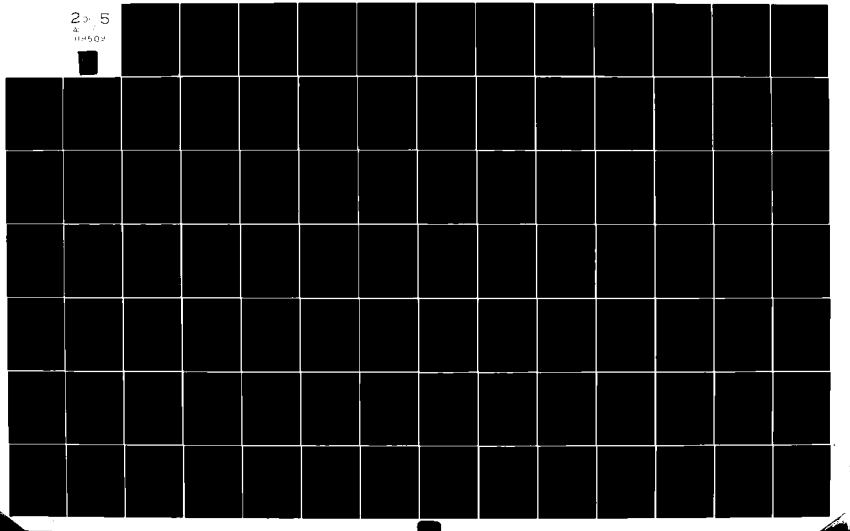
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	2.1	1.2	.4								4.0	6.2
NNE	.1	.5										.7	5.0
NE	.5	1.4	2.1									4.0	6.1
ENE	.1	4.3	.4									4.8	5.3
E	.8	5.9	1.9	.1								8.8	5.5
ESE	1.0	4.0	.8	.3								6.0	5.4
SE	.1	3.4	1.5									5.1	5.6
SSE		2.2	1.4									3.6	6.2
S	.5	8.4	5.5	.4								14.8	6.2
SSW	1.2	3.6	2.9	.5								8.2	6.4
SW	.8	3.7	4.0	1.5								10.0	7.2
WSW	.4	3.0	1.6	.5								5.6	6.8
W	.7	1.8	.8	.3								3.6	5.6
WNW		1.2										1.2	5.1
NW		2.1	1.4									3.4	6.2
NNW		1.5	1.0	.3								2.7	6.6
VARBL													
CALM												13.4	
	6.7	49.0	26.5	4.4								100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 729

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

AD-A118 509 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--FTC F/G 4/2
YOUNGSTOWN MAP, OHIO, REVISED UNIFORM SUMMARY OF SURFACE WEATHE--ETC(U)
MAY 82

UNCLASSIFIED USAFETAC/DS-82/034 SBI-AD-E850 193 NL



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

725250 (STATION) YOUNGSTOWN 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	.4	1.2	1.2	.1								3.0	6.4
NNE		.3	.4									.7	6.6
NE		1.5	.8	.4								2.7	7.2
ENE		1.9	1.1									3.0	6.0
E	.1	4.4	1.9	.3								6.7	6.1
ESE	.4	3.3	1.1	.1								4.9	5.6
SE	.5	4.2	1.2									6.0	5.6
SSE	.4	1.5	1.6	.3								3.8	6.2
S	1.4	7.9	4.9									14.2	6.0
SSW	.4	4.1	3.8	.1								8.5	6.4
SW	1.8	4.7	4.5	1.2								12.2	6.7
WSW	.4	2.7	1.1	.5								4.8	6.3
W	.5	3.3	.8									4.7	5.4
WNW	.4	1.4	.8									2.6	5.6
NW	.1	2.2										2.3	4.8
NNW	.4	1.4	.7									2.5	5.8
VARBL													
CALM												17.4	
	7.4	46.0	26.1	3.1								100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 731

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72:250 (STATION) YOUNGSTOWN 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	.2	1.8	1.7	.4								4.1	6.9
NNE	.2	.7	.9	.2								2.1	6.6
NE		1.5	1.7	.6								3.8	7.8
ENE	.4	1.2	.9	.1								2.6	6.3
E	.9	4.5	2.2	.1								7.7	5.8
ESE	.2	2.9	2.2	.2								5.6	6.4
SE	.7	3.2	2.1	.1								6.1	5.8
SSE	.6	1.1	1.0	.1								2.8	5.8
S	.4	5.7	5.4	.6								12.1	6.7
SSW	.4	2.8	3.9									7.1	6.5
SW	.9	6.3	5.1	1.1								13.4	6.8
WSW	.4	3.2	2.3	1.0	.1							7.0	7.3
W	.6	3.5	3.0	.6								7.8	6.8
WNW	.2	1.6	.5	.4								2.7	6.5
NW	.4	1.5	1.3	.2								3.4	6.6
NNW	.1	1.1	.4	.7								2.3	7.3
VARBL													
CALM												9.5	
	6.6	42.7	34.5	6.6	.1							100.0	6.0

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

2

SURFACE WINDS

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

725250 (STATION) YOUNGSTOWN 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		2.2	3.5	2.7								8.4	8.8
NNE		.7	1.5	.5								2.7	8.2
NE	.1	1.3	1.3	.4								3.2	7.2
ENE	.1	.9	1.0									2.0	6.1
E	.2	2.4	1.5	.4								4.5	6.7
ESE	.2	.9	.6	1.0	.1							2.8	8.7
SE	.5	1.6	3.3	.2								5.6	7.2
SSE	.2	.5	1.2	.4								2.3	7.8
S	.9	2.8	4.3	1.3								9.3	7.3
SSW	.6	1.6	2.7	1.7								6.6	8.1
SW	.1	3.4	7.3	3.4								14.3	8.6
WSW	.4	2.3	3.9	2.8								9.4	8.9
W		2.8	4.0	3.7								10.5	9.1
WNW	.6	1.2	2.2	.7								4.8	7.5
NW	.4	2.3	3.4	1.6								7.7	8.2
NNW	.4	.6	2.0	1.5								4.4	9.4
VARBL													
CALM												1.6	
	4.8	27.6	43.7	22.2	.1							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 819

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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	1.8	3.5	2.8	.2							8.8	9.0
NNE	.2	.9	1.0	.7								2.8	8.1
NE		.7	1.6	.5								2.8	8.0
ENE	.1	1.0	.5	.4								1.9	7.1
E	.1	1.2	1.2	.6								3.2	7.7
ESE		.7	2.1	.6								3.4	8.3
SE	.1	1.1	2.9	.1								4.3	7.5
SSE		.9	1.1	.2								2.2	7.2
S	.5	2.3	4.8	1.8								9.4	7.9
SSW	.1	1.8	1.9	1.6	.1							5.6	8.7
SW	.2	2.4	4.5	5.7	.1							13.0	9.9
WSW	.1	1.5	3.2	4.3								9.0	10.3
W	.1	2.9	4.8	4.0								11.8	8.9
WNW	.1	1.5	1.8	2.2	.2							5.8	9.5
NW	.4	2.3	3.8	2.4								8.9	8.8
NNW		.5	1.9	3.9	.1							6.5	11.1
VARBL													
CALM												.6	
	2.6	23.5	40.6	31.9	.9							100.0	8.9

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

2

SURFACE WINDS

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

72525 (STATION) YOUNGSTOWN 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	.2	2.1	4.7	6.0								13.0	10.0
NNE	.1	.6	1.1	.1								2.0	7.5
NE	.1	1.3	1.3	.2								3.1	7.0
ENE		.9	.9	.1								1.8	7.1
E	.4	1.5	1.3	.4	.1							3.7	6.9
ESE	.1	.2	1.2	.4								2.0	8.4
SE	.4	1.6	1.7	.5								4.2	7.0
SSE		1.1	1.3									2.5	7.0
S	.5	1.8	2.7	.7								5.8	7.3
SSW	.5	1.1	3.3	1.1								6.0	8.2
SW	.1	1.6	7.4	4.3								13.4	9.7
WSW	.1	1.7	3.3	3.7	.7							9.6	10.4
W	.2	2.1	5.0	2.3	.1							9.8	8.9
WNW	.1	1.0	2.8	1.8								5.8	9.0
NW		1.5	4.9	3.8								10.2	9.5
NNW		.4	2.9	3.6	.2							7.1	11.2
VARBL													
CALM												.4	
	2.9	20.5	46.0	29.0	1.2							100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 816

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725250 (STATION) YOUNGSTOWN 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		4.7	5.9	2.7								13.3	8.1
NNE	.1	2.5	2.2	.5								5.3	6.9
NE	.1	1.7	1.6									3.4	6.5
ENE	.2	.5	.4									1.1	5.0
E	.2	3.4	.6	.4								4.6	6.0
ESE	.2	1.7	.5									2.4	5.2
SE	.2	2.4	1.3	.5								4.5	6.7
SSE		1.6	.5									2.1	5.9
S	.5	4.5	2.9	.8								8.7	6.3
SSW	.4	4.1	3.3	.6								8.3	6.7
SW	.7	4.1	3.1	1.1								9.1	6.9
WSW	.6	2.3	2.7	1.6								7.1	7.9
W	.1	2.8	2.3	.7		.1						6.0	7.2
WNW	.6	2.3	1.0	.4								4.2	6.4
NW	.5	3.4	3.7	.7								8.3	7.3
NNW	.2	1.4	4.3	1.7								7.7	8.9
VARBL													
CALM												3.9	
	4.8	43.4	36.2	11.6		.1						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 828

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72[illegible]250 (STATION) | YOUNGSTOWN 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	.8	5.1	.8	.1	.1							7.0	5.4
NNE	.7	2.0	.8	.5	.1							4.1	6.6
NE	.3	2.9	2.1	.3								5.5	6.4
ENE	.9	2.9	1.2									5.0	5.4
E	.3	7.0	.9	.3								8.4	5.5
ESE	.9	2.2	.7									3.8	5.0
SE	.7	2.4	1.3									4.3	5.6
SSE	.1	.9	.8	.1								2.0	6.4
S	.5	11.2	4.3	.4								16.5	6.1
SSW	.4	3.7	3.8									7.9	6.3
SW	.3	1.4	2.9	.5								5.1	7.7
WSW	.4	2.4	1.2	.5								4.5	6.7
W	.4	1.4	1.8	.3								4.0	6.9
WNW	.1	1.1										1.2	4.9
NW	.8	2.4	1.2	.3								4.6	5.7
NNW	.3	2.8	1.2	.4								4.6	6.1
VARBL													
CALM												11.5	
	7.8	51.8	25.0	3.7	.3							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 759

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525	YOUNGSTOWN MAP OH	73-81	JUL
STATION	STATION NAME	YEARS	MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	2.6	2.9	2.0	.0							7.8	8.2
NNE	.2	1.0	1.0	.3	.0							2.6	7.2
NE	.1	1.5	1.6	.3								3.5	7.0
ENE	.2	1.6	.8	.1								2.7	5.9
E	.4	3.7	1.4	.3	.0							5.9	6.1
ESE	.4	1.9	1.2	.3	.0							3.8	6.4
SE	.4	2.5	1.9	.2								5.0	6.3
SSE	.2	1.2	1.1	.1								2.6	6.5
S	.6	5.5	4.3	.8								11.2	6.6
SSW	.5	2.8	3.2	.7	.0							7.2	7.1
SW	.6	3.5	4.9	2.4	.0							11.4	8.1
WSW	.3	2.4	2.5	1.9	.1							7.2	8.5
W	.3	2.6	2.9	1.5	.0	.0						7.4	7.9
WNW	.3	1.4	1.2	.7	.0							3.6	7.6
NW	.3	2.2	2.5	1.2								6.2	7.8
NNW	.2	1.2	1.8	1.5	.0							4.8	9.0
VARBL													
CALM												7.0	
	5.4	37.7	35.2	19.5	.3	.0						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 6323

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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	.4	1.9	1.1	.3								3.7	6.3
NNE	.1	.7	.4									1.2	5.7
NE	.3	1.5	2.0									3.8	6.6
ENE		2.7	1.2									4.0	5.8
E	.8	9.3	2.7		.1							13.0	5.6
ESE		4.2	1.1	.4								5.7	6.0
SE	.7	1.8	1.9									4.4	5.8
SSE	.1	1.8	.8									2.7	6.2
S	.4	6.7	3.8									10.9	6.0
SSW	1.1	4.2	4.4	.3								10.0	6.3
SW	1.4	4.1	6.3	1.5								13.2	6.9
WSW	1.0	1.6	2.5	.7								5.7	7.0
W	.3	1.9	2.0									4.2	6.7
WNW		1.0	1.2									2.2	6.6
NW	.7	1.1	.4									2.2	5.1
NNW	.5	.8	.1									1.5	4.9
VARBL													
CALM												11.6	
	7.8	45.3	32.1	3.1	.1							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 733

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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	.8	.1								3.1	6.0
NNE		.8	1.0									1.8	6.7
NE	.1	1.8	1.9									3.8	6.5
ENE	.1	2.0	1.0									3.1	5.8
E	.5	6.8	3.1									10.5	5.6
ESE	.8	3.3	1.4	.1								5.6	5.7
SE	.4	3.1	2.4									6.0	6.0
SSE		2.6	.7									3.3	6.0
S	1.1	6.1	5.0	.1	.1							12.5	6.2
SSW	1.0	3.1	2.7									6.8	5.9
SW	1.1	4.8	4.6	.5		.1						11.1	6.7
WSW	1.1	1.6	2.3	.5		.1						5.7	7.0
W	.7	2.7	2.2	.4								6.0	6.5
WNW	.3	1.8	.4	.1								2.6	5.7
NW	.5	1.4	.3									2.2	4.5
NNW	.4	1.4	.7	.1								2.6	5.8
VARBL													
CALM												13.5	
	8.4	45.1	30.4	2.2	.1	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 736

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72252 (STATION) YOUNGSTOWN 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	.1	1.4	1.6	.4								3.5	7.0
NNE		1.2	1.0	.1								2.3	6.6
NE	.1	1.3	1.7	.2								3.4	7.4
ENE	.1	1.3	1.0									2.4	6.2
E	.5	5.3	3.0									8.8	5.8
ESE	.2	3.3	3.1									6.6	6.1
SE	.8	3.3	2.8	.2								7.1	6.0
SSE	.4	3.0	2.2	.1								5.7	6.3
S	.6	5.4	6.6									12.7	6.6
SSW	.5	3.3	2.2	.1								6.0	6.2
SW	.8	5.0	7.7	1.2								14.7	7.1
WSW	.5	2.4	2.8	.6								6.3	7.0
W	1.0	3.1	2.1	.5								6.6	6.2
WNW		1.0	.8									1.8	6.5
NW	.6	1.1	.6	.2								2.5	6.1
NNW	.2	.8	.4	.1								1.6	6.0
VARBL													
CALM												7.9	
	6.5	42.3	39.5	3.9								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 828

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72 250	YOUNGSTOWN MAP OH	73-81	AUG
STATION	STATION NAME	YEARS	MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	2.2	1.4	1.9								5.9	8.1
NNE		1.4	1.4	1.0								3.7	8.3
NE	.4	1.7	2.1	.6								4.8	7.3
ENE		1.2	.6	.1								2.0	6.6
E	.1	1.6	2.3	.4								4.4	7.3
ESE	.2	1.6	1.2									3.1	6.2
SE		3.1	2.8	.6								6.6	7.3
SSE		2.6	2.2	.1								4.9	6.6
S	.7	4.0	5.8	.2								10.8	6.9
SSW	.1	2.2	3.7	.6								6.7	7.4
SW	.5	2.2	7.9	3.6	.1							14.3	8.8
WSW	.1	2.0	5.6	2.6								10.3	8.6
W	.4	2.5	5.7	1.5								10.0	8.2
WNW	.2	1.2	2.1	.2								3.8	7.1
NW	.2	2.3	2.2	.4								5.2	6.8
NNW	.1	.5	1.4	.5								2.5	8.5
VARBL													
CALM												1.0	
	3.7	32.4	48.5	14.3	.1							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 809

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525 (STATION) YOUNGSTOWN 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	.5	1.4	4.6	1.5								7.9	8.4
NNE		.2	1.1	1.2								2.6	10.1
NE	.1	.7	2.1	.4								3.3	8.1
ENE	.2	.5	1.6	.1								2.5	7.1
E		2.7	1.8	.1								4.7	6.5
ESE		1.5	1.0	.4								2.8	7.1
SE	.1	2.6	2.0	.7								5.4	7.3
SSE	.1	1.2	1.5	.4								3.2	7.2
S	.1	2.5	4.9	1.5								9.0	8.0
SSW	.1	.6	2.8	1.2								4.8	9.1
SW		2.6	7.0	5.4								15.0	9.3
WSW		1.4	3.9	2.8								8.1	9.5
W	.5	2.3	5.9	3.8								12.6	8.9
WNW	.1	1.5	2.5	1.5	.1							5.7	8.9
NW		2.2	4.6	1.7								8.5	8.5
NNW		.5	1.7	.9	.1							3.2	9.3
VARBL													
CALM												.7	
	2.0	24.4	49.0	23.6	.2							100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 812

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

725250	YOUNGSTOWN MAP OH	73-81	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.5	5.5	2.3								9.8	8.7
NNE		1.3	2.0	.2								3.5	7.6
NE	.1	2.0	2.3	.5								4.9	7.3
ENE		.9	.6	.2								1.7	6.8
E	.2	2.4	2.7	.1								5.5	6.6
ESE	.5	.6	.6	.1								1.8	6.0
SE		1.2	1.7	.5								3.4	8.0
SSE	.1	.9	1.2	.1								2.3	7.2
S	.2	2.9	3.3	1.0								7.5	7.5
SSW	.1	.7	2.4	1.1								4.4	9.1
SW	.2	2.6	8.0	3.3								14.1	8.9
WSW		.5	5.3	4.0								9.8	10.0
W	.1	2.8	3.7	2.0								8.6	8.4
WNW	.4	2.6	2.4	1.3								6.7	7.5
NW		1.3	5.1	3.2								9.7	9.3
NNW	.1	1.0	3.1	1.8								6.0	9.0
VARBL													
CALM												.2	
	2.7	25.2	49.9	21.9								100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 817

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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	.5	5.4	4.9	.7								11.5	6.8
NNE	.2	1.8	2.1	.2								4.4	6.6
NE	.4	3.2	3.8	.6								7.9	7.3
ENE	.1	1.0	.9									2.0	6.4
E	.7	4.0	1.0									5.7	5.1
ESE	.1	2.8	.5									3.4	5.1
SE	.7	2.4	.7	.4								4.3	5.7
SSE		1.3	.5	.1								2.0	6.3
S	.5	6.8	3.0									10.4	5.7
SSW		3.8	1.8	.5								6.1	6.6
SW		4.5	5.6	1.3								11.5	7.6
WSW	.1	2.6	2.0	.5								5.1	7.0
W	.2	3.0	1.6	.2		.1						5.2	6.5
WNW		2.1	1.0	.1								3.2	6.0
NW	.4	3.9	1.3	1.0								6.6	6.7
NNW	.2	2.4	1.2	.7								4.6	6.8
VARBL													
CALM												6.2	
	4.3	51.1	31.8	6.5		.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 820

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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	1.1	2.9	1.3	.4	.1							5.8	6.4
NNE	.1	.9	1.1									2.1	6.2
NE	.1	5.0	3.7	.3								9.1	6.4
ENE	.4	4.0	1.5									5.8	5.7
E	.9	7.8	.9									9.6	5.1
ESE	.5	3.2	.8									4.5	5.3
SE	.1	3.2	.9	.4								4.6	6.3
SSE	.1	1.6	1.5	.3								3.4	6.8
S	.3	10.2	4.5									14.9	5.9
SSW	.7	3.8	3.6	.1								8.2	6.5
SW		3.8	5.2	.5								9.5	7.1
WSW	.3	1.6	1.3	1.1								4.2	8.0
W	.8	1.6	.9		.1							3.4	5.8
WNW	.7	.9	.4	.1								2.1	5.4
NW	.3	1.1	.4	.1								1.8	6.1
NNW	.4	.9	.1	.1								1.6	5.3
VARBL													
CALM												9.1	
	6.7	52.4	28.0	3.4	.3							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 757

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525 (STATION) YOUNGSTOWN 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	.5	2.3	2.7	1.0	.0							6.5	7.5
NNE	.1	1.1	1.3	.4								2.7	7.4
NE	.2	2.1	2.5	.3								5.1	7.0
ENE	.1	1.7	1.0	.1								2.9	6.2
E	.5	4.9	2.2	.1	.0							7.7	5.8
ESE	.3	2.5	1.2	.1								4.2	5.9
SE	.4	2.6	1.9	.4								5.2	6.5
SSE	.1	1.9	1.3	.1								3.5	6.5
S	.5	5.5	4.6	.4	.0							11.0	6.5
SSW	.4	2.7	2.9	.5								6.6	7.0
SW	.5	3.7	6.6	2.2	.0	.0						13.0	7.9
WSW	.4	1.7	3.2	1.6		.0						7.0	8.3
W	.5	2.5	3.0	1.1	.0	.0						7.2	7.6
WNW	.2	1.5	1.4	.4	.0							3.5	7.1
NW	.3	1.8	1.9	.9								4.9	7.5
NNW	.3	1.0	1.1	.6	.0							3.0	7.5
VARBL													
CALM												6.1	
	5.2	39.5	38.9	10.1	.1	.0						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 6312

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (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	.3	2.1	2.4	.5								5.3	7.3
NNE	.1	.5	.1									.8	5.5
NE	.1	1.2	1.1	.8								3.2	8.2
ENE	.4	1.2	.8	.3								2.6	6.4
E		7.9	2.4									10.3	5.8
ESE	.4	2.9	1.7	.4								5.4	6.4
SE	.4	3.4	4.2	.7								8.7	7.2
SSE	.1	1.1	3.0	.1								4.4	7.3
S	.8	5.9	5.9	.1								12.8	6.2
SSW	.5	2.9	1.7	.4								5.5	6.1
SW	1.1	5.3	4.1	.9								11.3	6.5
WSW	.1	2.6	3.0									5.8	6.6
W	.7	1.5	2.9	.5								5.5	7.2
WNW	.4	.7	.7	.1								1.8	6.7
NW	.7	2.5	.8	.5								4.5	6.2
NNW	.3	2.4	.1									2.8	5.2
VARBL													
CALM												9.2	
	6.3	44.1	35.0	5.4								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 758

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

725250 (STATION) YOUNGSTOWN 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	.3	2.2	2.5	.4								5.4	6.7
NNE	.1	.7	1.1									1.8	6.9
NE		1.1	1.2	.8	.1							3.2	9.1
ENE	.1	2.4	.9	.3								3.7	6.1
E	.1	4.7	2.5	.1								7.5	6.3
ESE	.3	3.4	1.3	.1								5.1	5.9
SE	.5	3.5	4.1	.3								8.4	6.4
SSE	.4	1.6	2.6	.3								4.9	6.9
S	.4	5.1	7.1	.7								13.3	7.1
SSW	.9	3.7	1.4	.1								6.2	5.7
SW	.5	4.3	3.8	.7								9.3	6.7
WSW	.7	2.8	3.4	.3								7.1	6.6
W	.9	2.0	2.6	1.1								6.6	7.2
WNW		.7	.4	.4								1.4	7.7
NW	.3	2.4	1.1	.1								3.8	6.1
NNW	.7	1.6	.7	.7								3.5	6.9
VARBL													
CALM												8.8	
	6.2	42.0	36.7	6.2	.1							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 761

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

725250 (STATION) YOUNGSTOWN 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	.3	1.8	3.5	.6								6.2	7.6
NNE		.8	.9	.4								2.0	7.5
NE	.1	1.0	1.3	.5								2.9	7.8
ENE		1.1	1.0	.3								2.4	7.2
E		4.8	2.8	.4								7.9	6.5
ESE	.1	1.9	3.4	.4								5.8	7.2
SE	.4	4.3	4.2	.4								9.2	6.7
SSE	.3	1.9	1.6	.3								4.0	6.9
S	.4	3.4	6.9	.8								11.5	7.3
SSW	.9	3.3	3.8	.3								8.2	6.5
SW	.4	4.9	6.7	.9								12.8	7.0
WSW	.1	1.6	2.4	.6								4.8	7.3
W	.3	1.9	2.9	1.0								6.0	7.6
WNW	.1	1.3	.6	.4								2.4	6.8
NW	.4	1.9	1.3	.4								3.9	6.6
NNW	.1	.8	1.3	.1								2.3	6.9
VARBL													
CALM												7.7	
	3.8	36.5	44.5	7.6								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 794

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525 (STATION) YOUNGSTOWN 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		2.0	3.7	2.8	.1							8.6	9.1
NNE		.4	1.1	1.0	.1							2.7	9.8
NE	.4	.3	1.1	1.1								2.9	9.3
ENE	.3	.4	.8									1.4	6.5
E	.4	1.3	2.4	.8								4.8	7.6
ESE		.9	2.3	.8								3.9	8.5
SE	.1	2.0	1.6	1.6								5.5	8.6
SSE		1.3	2.7	.5								4.4	8.0
S	.3	3.6	7.0	1.0								11.8	7.6
SSW	.4	2.2	3.0	1.8								7.4	8.1
SW		2.9	6.3	4.4	.1							13.8	9.1
WSW		1.5	3.9	2.9	.4							8.8	9.8
W	.1	1.4	4.7	2.9								9.1	9.1
WNW		1.5	2.3	.8								4.6	8.1
NW	.3	.4	1.5	1.9								4.1	10.1
NNW	.3	1.1	1.6	1.9								4.9	9.3
VARBL													
CALM												1.3	
	2.4	23.1	46.2	26.3	.8							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 788

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525 (STATION) YOUNGSTOWN 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		2.6	4.1	2.1								8.9	8.5
NNE		.5	1.0	.8								2.3	9.1
NE	.1	.9	1.3	.6								2.9	8.3
ENE		.5	.6	.4								1.5	8.0
E		1.4	1.1	.5								3.0	7.4
ESE		.1	1.0	1.0								2.1	10.3
SE	.1	1.6	2.5	1.4								5.7	8.6
SSE		.8	1.9	.5								3.1	8.2
S	.3	1.4	5.0	.8								7.4	8.2
SSW	.1	1.6	3.8	2.1								7.7	9.3
SW	.1	1.8	5.4	4.9								12.2	9.9
WSW		1.8	4.0	4.3	.1							10.2	10.0
W	.4	2.3	6.3	4.4	.9							14.2	9.8
WNW	.3	.5	3.1	2.0								5.9	9.8
NW		.6	3.3	3.9	.1							7.9	10.7
NNW		.6	1.1	2.6								4.4	11.0
VARBL													
CALM												.6	
	1.4	19.0	45.6	32.3	1.1							100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 796

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525 (STATION) YOUNGSTOWN 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	.3	2.0	5.3	2.7								10.2	8.5
NNE		.8	1.9	1.0								3.7	9.1
NE		1.3	1.4	.8								3.4	7.9
ENE	.1	.3	.5									.9	6.0
E	.3	2.0	1.0	.4								3.7	6.5
ESE		.6	.6	.4								1.6	8.4
SE	.1	2.3	2.1	1.5								6.1	8.3
SSE	.1	1.3	1.4	.5								3.3	7.7
S	.3	2.9	4.2	1.3								8.6	7.7
SSW	.3	2.1	2.8	1.0								6.2	7.7
SW		2.4	5.3	3.2	.1							11.0	9.0
WSW	.1	1.3	5.1	2.0	.3							8.7	9.2
W	.5	1.6	3.7	4.3	.4							10.5	9.9
WNW	.5	.6	2.5	2.1								5.8	9.2
NW		2.0	3.9	3.8								9.7	9.6
NNW	.1	.3	2.4	3.3	.3							6.3	10.9
VARBL													
CALM												.4	
	2.7	23.7	44.1	28.2	1.0							100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 792

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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	.9	5.9	4.1	1.0								11.9	6.5
NNE		2.1	2.3	.5								4.9	7.4
NE	.1	2.3	2.1	.3								4.8	7.0
ENE	.1	1.0	.4									1.5	5.4
E	.3	3.1	1.9									5.3	5.9
ESE	.3	1.8	.5	.1								2.6	5.5
SE	.4	4.4	2.8	.1								7.7	6.1
SSE		2.0	1.3	.3								3.5	6.7
S	.9	4.5	3.5	.8								9.7	6.5
SSW	.5	3.5	2.3	.4								6.6	6.4
SW	.5	3.9	3.5	.9	.1							8.9	6.9
WSW	.4	1.6	2.4	.8								5.1	7.5
W	.8	2.5	2.0	.5	.1							5.9	6.8
WNW	.8	1.8	1.0	.1	.1							3.8	6.2
NW	1.1	3.3	2.8	.9								8.0	6.5
NNW	.4	1.5	1.1	.8	.1							3.9	7.8
VARBL													
CALM												5.9	
	7.3	45.2	33.9	7.3	.5							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525	YOUNGSTOWN MAP OH	73-81	SEP
STATION	STATION NAME	YEARS	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	.8	2.0	1.8	.4								4.9	6.8
NNE		1.7	1.4									3.1	6.5
NE		2.3	1.7	.8								4.8	7.3
ENE	.1	2.2	1.0									3.4	5.6
E	.7	6.2	3.1	.1								10.1	6.0
ESE	.5	2.2	1.4	.4								4.6	6.4
SE	.4	3.4	3.8	.8								8.3	7.1
SSE	.3	2.0	2.2	.1								4.6	6.4
S	.3	6.0	4.8	.5								11.6	6.7
SSW	.3	3.8	3.1	.1								7.3	6.2
SW	.4	3.8	3.5	.7								8.3	6.8
WSW	.7	2.2	1.6	.8								5.2	6.7
W	.4	1.7	2.1	.8	.1							5.1	8.0
WNW	.5	.9	.4									1.8	5.0
NW		2.9	.5	.3								3.6	6.0
NNW	.1	1.2	.9	.5								2.7	7.3
VARBL													
CALM												10.5	
	5.3	44.3	33.4	6.2	.1							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 769

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72:25 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	2.6	3.5	1.3	.0							7.7	7.7
NNE	.0	.9	1.2	.5	.0							2.7	8.0
NE	.1	1.3	1.4	.7	.0							3.5	8.0
ENE	.1	1.1	.8	.1								2.2	6.3
E	.2	3.9	2.1	.3								6.5	6.3
ESE	.2	1.7	1.5	.4								3.9	7.0
SE	.3	3.1	3.1	.8								7.4	7.2
SSE	.1	1.5	2.1	.3								4.0	7.2
S	.4	4.1	5.5	.7								10.8	7.1
SSW	.5	2.9	2.7	.8								6.9	7.1
SW	.4	3.6	4.8	2.1	.0							11.0	7.9
WSW	.3	1.9	3.2	1.5	.1							7.0	8.3
W	.5	1.9	3.4	2.0	.2							7.9	8.6
WNW	.3	1.0	1.4	.8	.0							3.5	8.0
NW	.3	2.0	1.9	1.5	.0							5.7	8.2
NNW	.2	1.2	1.2	1.2	.0							3.9	8.7
VARBL													
CALM												5.5	
	4.4	38.6	40.0	15.0	.5							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 6255

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

725250	YOUNGSTOWN MAP OH	73-81	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.5	2.2	1.1								4.7	8.2
NNE		.9	.2	.1								1.2	6.5
NE		1.5	1.7	.2								3.4	6.9
ENE	.4	1.8	.7		.4							3.3	7.1
E	.1	3.2	3.3									6.6	6.4
ESE	.2	1.1	2.6	.9								4.7	8.2
SE	.1	2.7	5.2	1.3								9.4	7.8
SSE	.2	1.1	1.9	.2								3.5	7.2
S		3.5	8.9	1.0								13.4	7.4
SSW	.2	2.2	2.1	.9								5.3	7.4
SW	.2	3.5	5.0	2.2								10.9	8.2
WSW	.2	1.7	3.3	2.9	.1							8.3	8.8
W	.7	2.3	4.6	2.2	.2							10.1	8.4
WNW		1.9	1.2	1.0								4.1	8.2
NW	.6	1.3	1.5	1.0								4.4	7.6
NNW	.1	.6	.6	.7	.1							2.2	9.1
VARBL													
CALM												4.5	
	3.3	30.7	45.0	15.7	.9							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 823

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

725250 (STATION) YOUNGSTOWN 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		2.1	2.1	.6								4.8	7.8
NNE			.4	.1								.5	9.0
NE	.1	1.1	.7	.1								2.1	6.4
ENE		1.7	1.5	.1	.2							3.6	7.7
E	.2	3.0	3.0	.2								6.4	6.9
ESE	.1	2.0	2.5	.7								5.3	7.7
SE	.1	2.0	4.3	1.0								7.4	8.0
SSE		1.7	3.2	.4								5.3	7.5
S	.2	3.0	9.0	.6								12.9	7.4
SSW	.2	2.0	3.1	.7								6.1	7.7
SW	.2	3.3	6.4	1.9								11.9	7.9
WSW	.4	.9	3.8	1.0	.2							6.3	8.7
W	.2	3.0	3.7	3.1	.2							10.3	8.8
WNW	.1	1.7	1.4	.6								3.8	7.1
NW	.4	2.0	1.6	1.2								5.2	7.9
NNW		1.1	.6	.7								2.5	8.0
VARBL													
CALM												5.7	
	2.5	30.5	47.3	13.2	.7							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 809

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525 (STATION) YOUNGSTOWN 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	1.7	1.7	.9								4.5	7.5
NNE	.2	.6	.5	.1								1.5	6.7
NE	.4	1.2	1.3									2.9	5.9
ENE		1.0	1.1	.2								2.3	7.3
E		1.8	4.5	.4								6.7	7.4
ESE	.1	1.3	2.6	1.2	.1							5.3	8.5
SE	.4	1.8	4.6	1.2								8.0	7.9
SSE	.4	1.7	3.5	.1								5.7	7.2
S	.1	3.5	9.6	1.0								14.2	7.7
SSW	.4	1.9	1.8	1.2								5.3	7.6
SW	.1	3.8	5.6	2.2								11.7	8.2
WSW	.5	2.2	3.8	2.7	.2							9.4	8.9
W	.2	2.7	3.5	2.4	.1		.1					9.1	8.8
WNW	.2	1.2	1.1	.9								3.4	7.8
NW		1.3	2.3	1.0								4.6	8.2
NNW		.5	.7	.2								1.5	7.8
VARBL													
CALM												3.9	
	3.3	28.3	48.2	15.7	.5		.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 823

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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	.2	1.2	2.9	2.2								6.6	9.4
NNE		.6	.9	.5								2.0	8.6
NE	.2	1.2	.9	.1								2.4	6.6
ENE		.6	.9	.6								2.1	8.6
E	.2	1.0	2.7	.7								4.6	7.9
ESE	.1	.7	1.5	.5								2.8	7.8
SE	.1	1.6	3.3	1.2								6.2	8.5
SSE		.7	2.1	1.7								4.5	9.9
S	.2	2.3	7.1	2.8								12.4	8.6
SSW	.1	.6	3.5	2.3								6.6	9.8
SW		1.8	5.7	5.2	.5							13.3	10.2
WSW	.4	1.1	3.2	4.6	.5							9.8	10.7
W	.2	1.0	4.1	6.1	.6							12.1	11.1
WNW	.2	.4	1.0	1.5								3.0	9.9
NW		.9	3.9	2.7	.1							7.6	9.7
NNW		.5	1.3	1.6								3.4	10.2
VARBL													
CALM												.6	
	2.2	16.2	44.9	34.4	1.7							100.0	9.5

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

2

SURFACE WINDS

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

72250	YOUNGSTOWN MAP OH	73-81	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	2.7	4.5	2.9	.2							10.5	9.0
NNE		.5	.7	.1								1.3	8.3
NE	.5	.8	1.7	.4								3.4	7.1
ENE		.2	.5	.2								1.0	8.4
E		1.1	1.6	.4								3.0	7.8
ESE		.6	1.1	.6								2.3	8.4
SE	.1	.5	1.6	1.0								3.1	9.0
SSE	.1	1.7	2.1	1.0								4.1	8.6
S	.5	1.7	5.0	3.5	.1							10.8	9.3
SSW	.1	.2	4.4	4.0								8.7	10.4
SW		1.1	4.2	6.8	.2							12.3	11.1
WSW		.6	3.0	3.5	.6							7.7	11.2
W	.4	1.2	4.1	7.9	1.0	.1						14.6	11.5
WNW	.1	.6	2.1	2.7	.1							5.6	10.7
NW	.1	.2	2.4	4.5	.2							7.5	11.3
NNW		1.1	1.1	1.1	.1							3.4	9.6
VARBL													
CALM												.5	
	2.2	14.2	40.0	40.4	2.7	.1						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 826

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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	.2	1.7	3.5	3.1	.1							8.7	9.5
NNE	.2	1.0	1.7	.4								3.3	7.3
NE	.1	.5	1.2	.2								2.1	7.9
ENE		.6	1.0	.1	.1							1.8	8.1
E	.2	1.1	1.7	.6								3.7	7.2
ESE		1.0	1.0	.2								2.2	7.3
SE	.4	1.6	2.6	1.2								5.7	8.2
SSE		.6	1.2	.6								2.4	8.6
S		2.4	5.1	3.1	.1							10.7	9.1
SSW		1.7	3.4	1.5								6.6	8.5
SW		1.6	4.0	3.8	.5							9.9	10.0
WSW		1.5	3.4	3.8	.1							8.8	9.9
W	.1	.9	4.0	6.7	1.0		.1					12.8	11.7
WNW	.1	.6	2.2	2.0	.4							5.3	10.5
NW		1.6	3.8	4.8	.4	.1						10.6	10.7
NNW		.1	2.7	2.1	.1							5.0	10.3
VARBL													
CALM												.4	
	1.5	18.4	42.6	34.1	2.8	.1	.1					100.0	9.6

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)

72250	YOUNGSTOWN MAP OH	73-81	OCT
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	2.9	3.4	.7								7.3	7.2
NNE	.1	.7	3.2	.1								4.1	7.6
NE	.2	2.0	2.0	.1	.2							4.5	7.1
ENE	.1	.6	.1									.9	4.9
E	.5	1.7	1.2	.1								3.5	5.9
ESE	.1	2.0	1.5	.4								3.9	6.6
SE	.2	2.8	2.8	1.5								7.3	7.9
SSE	.4	1.2	2.0	.2								3.8	7.0
S	.2	6.6	5.1	1.2								13.2	7.0
SSW	.2	2.6	3.0	.6								6.5	7.1
SW	.2	3.3	4.4	.9								8.8	7.4
WSW	.4	1.1	2.7	1.5	.5							6.1	9.3
W	.1	2.7	3.2	3.7	.4							10.0	9.5
WNW	.2	2.6	2.1	1.1		.1						6.1	7.9
NW	.2	2.3	3.2	1.2	.1							7.1	8.0
NNW	.1	1.0	1.2	.4	.1							2.8	8.0
VARBL													
CALM												4.1	
	3.8	36.0	41.0	13.7	1.3	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 820

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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	.2	2.3	1.5	1.0								5.0	7.3
NNE		.5	.4	.2								1.1	8.1
NE	.1	1.2	2.6	.2	.1							4.3	7.5
ENE		2.3	1.9									4.3	6.3
E		2.9	1.2	.1								4.3	5.9
ESE	.1	2.6	2.3	.7								5.7	7.4
SE	.1	1.9	4.1	2.1	.1							8.4	8.6
SSE	.2	1.2	2.6	.4								4.4	7.4
S		5.1	8.4	.7								14.2	7.4
SSW	.4	2.3	2.6	.5								5.7	7.4
SW	.1	2.3	4.0	2.2								8.6	8.3
WSW	.2	2.3	2.9	1.3								6.8	8.1
W	.1	3.0	4.7	3.3	.5							11.7	9.3
WNW		2.7	1.3	.9								4.9	7.4
NW	.4	.5	1.5	.5								2.8	8.1
NNW	.1	.9	1.3	.9								3.2	8.2
VARBL													
CALM												4.9	
	2.2	34.0	43.3	14.9	.7							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 823

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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	2.0	2.7	1.6	.0							6.5	8.4
NNE	.1	.6	1.0	.2								1.9	7.6
NE	.2	1.2	1.5	.2	.0							3.1	6.9
ENE	.1	1.1	1.0	.2	.1							2.4	7.3
E	.2	2.0	2.4	.3								4.8	6.9
ESE	.1	1.4	1.9	.7	.0							4.0	7.7
SE	.2	1.9	3.6	1.3	.0							6.9	8.2
SSE	.2	1.2	2.3	.6								4.2	7.9
S	.2	3.5	7.3	1.7	.0							12.7	7.9
SSW	.2	1.7	3.0	1.5								6.4	8.4
SW	.1	2.6	4.9	3.1	.2							10.9	9.0
WSW	.3	1.4	3.3	2.7	.3							7.9	9.5
W	.3	2.1	4.0	4.4	.5	.0	.0					11.3	10.1
WNW	.1	1.5	1.5	1.3	.1	.0						4.5	8.7
NW	.2	1.3	2.5	2.1	.1	.0						6.2	9.3
NNW	.0	.7	1.2	1.0	.1							3.0	9.1
VARBL													
CALM												3.1	
	2.6	26.0	44.0	22.8	1.4	.0	.0					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 6563

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

12250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (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	1.4	.6								3.4	7.7
NNE		.6	.6	.1								1.4	7.3
NE	.3	.9	.8	.1								2.0	6.5
ENE		.8	.8									1.5	6.5
E	.3	2.3	1.6	.5								4.7	7.0
ESE		.9	2.2	1.3	.1							4.4	9.1
SE	.1	1.6	4.1	2.3								8.1	9.0
SSE		.9	1.5	.9								3.3	8.5
S	.5	4.4	6.2	1.3								12.4	7.4
SSW	.3	1.9	3.0	.8	.1							6.1	7.7
SW	.1	3.0	4.3	3.2	.1							10.8	8.8
WSW	.1	2.2	4.4	5.1	.6							12.4	10.1
W	.4	4.2	6.1	6.0		.1						16.7	9.4
WNW	.3	1.1	1.5	1.5								4.4	8.6
NW	.1	.6	1.5	1.1		.1						3.5	9.4
NNW	.1	.4	.9	.5								1.9	9.1
VARBL													
CALM												2.8	
	2.5	27.2	40.9	25.2	1.0	.3						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 789

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525	YOUNGSTOWN MAP OH	73-81	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.5	1.1	.3	.3							3.4	7.5
NNE	.3	.6	.5									1.4	6.1
NE	.3	1.4	.4	.1								2.2	5.8
ENE		.4	.5	.1								1.0	7.4
E	.1	2.6	2.2	.5								5.4	7.2
ESE	.1	1.9	1.5	.6								4.2	7.5
SE		1.3	3.3	2.2								6.8	9.1
SSE	.1	.8	1.9	.6								3.4	8.2
S	.3	3.7	9.2	2.0	.3							15.4	8.1
SSW	.3	2.4	1.8	.5								5.0	6.7
SW	.1	5.2	4.8	2.8	.1							13.1	8.2
WSW	.3	2.2	3.3	4.6	.4							10.7	10.0
W	.6	1.8	5.7	4.8	.8							13.8	10.1
WNW	.1	1.1	1.9	1.1	.1							4.5	8.6
NW	.1	.9	1.5	1.5								4.1	9.2
NNW		.4	.9	.5	.3							2.0	10.4
VARBL													
CALM												3.6	
	2.9	28.2	40.7	22.4	2.2							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 784

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72'25' (STATION) YOUNGSTOWN 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	1.4	.5	.1							2.5	9.3
NNE		.5	.6	.5								1.6	8.4
NE	.3	.9	.6									1.8	5.6
ENE	.1	1.0	.9									2.0	6.6
E	.3	2.5	2.3	1.0								6.0	7.6
ESE	.3	.4	2.1	.6	.1							3.5	9.1
SE		1.5	3.0	2.1								6.6	9.2
SSE	.3	.5	2.1	1.0								3.9	9.0
S	.3	2.4	7.5	2.6	.3							13.0	8.5
SSW		2.0	2.8	1.1								5.9	8.0
SW	.4	4.8	6.6	3.4	.1							15.3	8.4
WSW	.3	1.9	3.0	2.5	.1							7.8	9.4
W	.1	2.9	6.4	4.9	.8							15.1	10.0
WNW		1.8	2.3	1.0	.3							5.3	8.5
NW	.3	1.1	1.8	.4	.1							3.6	7.8
NNW	.1	.5	.6	1.4	.3							2.9	10.9
VARBL													
CALM												3.1	
	2.5	25.1	44.0	23.1	2.1							100.0	8.5

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)

72 25 (STATION) YOUNGSTOWN 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		1.1	2.1	.8								4.0	8.5
NNE		.3	.8									1.0	7.6
NE		.6	1.4	.8								2.8	8.8
ENE		.4	.9	.1								1.4	8.0
E	.1	1.3	1.6	.8								3.8	8.0
ESE	.3	.4	1.5	1.9								4.2	10.3
SE	.1	.8	2.5	2.0	.3							5.7	10.0
SSE	.1	.5	2.3	.8								3.7	8.7
S		2.1	5.3	2.5	.1							10.1	9.0
SSW	.1	.8	3.1	2.3	.1	.1						6.5	10.0
SW		2.3	4.7	6.0	.9	.1						14.0	10.6
WSW		2.3	4.5	4.9	1.3							13.0	10.6
W		2.0	7.1	6.3	1.3							16.6	10.7
WNW		.9	3.0	2.5	.3							6.7	10.5
NW		.5	2.4	1.4								4.3	10.0
NNW		.1	.9	1.1								2.1	10.7
VARBL													
CALM												.3	
	.8	16.2	44.2	34.1	4.2	.3						100.0	9.9

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)

12825	YOUNGSTOWN MAP OH	73-81	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		.8	2.5	1.1								4.4	9.0
NNE		.4	1.5	.4								2.3	8.5
NE		.9	1.1	.5								2.5	8.2
ENE		.3	.3	.1								.6	6.8
E	.1	.5	1.3	.4								2.3	7.7
ESE	.1	.6	1.1	1.1								3.0	9.2
SE		.6	2.1	2.1	.3							5.2	10.7
SSE	.1	.5	2.8	1.1								4.5	9.3
S		.6	5.4	3.1	.1							9.3	9.8
SSW		.6	2.3	2.9	.1							5.9	10.9
SW	.1	1.0	4.1	6.9	.4							12.6	11.1
WSW	.1	.6	3.1	6.9	1.5	.3						12.6	12.3
W	.3	1.4	4.6	8.3	2.1	.5						17.2	12.3
WNW		.6	2.9	3.6	.3							7.4	10.8
NW		.6	2.6	3.6	.1							7.0	11.1
NNW	.1	.4	.9	1.3	.3							2.9	10.9
VARBL													
CALM												.4	
	1.0	10.4	38.7	43.6	5.2	.8						100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 796

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525 (STATION) YOUNGSTOWN 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	.3	1.4	2.1	1.1								4.9	8.2
NNE		.5	1.6	.6								2.8	8.4
NE		.9	.4									1.3	6.2
ENE		.5	.6									1.1	6.7
E		.8	.9	.4	.1							2.1	8.9
ESE	.4	.4	1.6	.6								3.0	8.3
SE		1.1	2.3	2.0	.3							5.7	10.2
SSE	.1	.6	2.1	.5								3.4	8.3
S	.4	1.9	5.4	2.3								10.0	8.7
SSW	.3	1.3	3.0	2.3								6.8	9.3
SW	.3	1.5	3.7	5.1								10.5	10.2
WSW	.3	.8	4.5	6.3	.8							12.6	11.0
W		.9	5.3	7.3	1.1	.3						14.9	11.8
WNW	.1	1.0	4.2	3.3	.1							8.7	10.0
NW		.6	2.9	3.0								6.6	10.5
NNW		1.1	1.9	1.5								4.5	9.6
VARBL													
CALM												1.0	
	2.0	15.3	42.7	36.9	2.9	.3						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS 792

USAFETAC FORM JUL 84 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

2 250	YOUNGSTOWN MAP OH	73-81	NOV
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER (CLASS)

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	2.3	2.0	.5								4.9	7.2
NNE	.1	.9	1.3	.1								2.4	6.5
NE	.1	1.3	1.4	.4								3.1	7.0
ENE	.3	.6	.4									1.3	5.6
E	.1	1.5	1.4	1.0	.3							4.3	8.2
ESE	.1	1.0	1.0	1.0								3.1	8.5
SE	.4	2.3	2.8	1.4								6.8	8.0
SSE		.9	1.8	.6								3.3	8.2
S	.1	3.9	4.1	2.5	.1							10.8	8.1
SSW	.4	3.0	3.5	1.4								8.3	7.5
SW	.6	1.6	3.8	3.1	.5							9.6	9.3
WSW	.4	.5	3.3	3.5	.1							7.8	10.4
W	.5	2.6	7.0	7.3	1.3							18.6	10.4
WNW		1.5	1.9	1.4								4.8	8.8
NW	.4	1.4	2.5	1.5								5.8	8.6
NNW	.3	1.4	.5	.8								2.9	7.7
VARBL													
CALM												2.6	
	3.9	26.5	38.4	26.4	2.3							100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 800

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)

72-25 (STATION) YOUNGSTOWN 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	.4	1.3	1.9	.4	.1							4.1	7.4
NNE	.1	1.0	.9	.1								2.2	6.6
NE	.3	1.4	.8									2.4	6.1
ENE		.9	.8	.1								1.8	6.3
E	.1	1.6	2.3	1.0		.1						5.2	8.3
ESE	.1	1.4	1.5	1.4	.3							4.7	8.9
SE		2.2	2.7	1.6	.1							6.6	8.7
SSE	.1	1.0	1.3	1.0								3.4	8.3
S	.5	4.1	3.7	1.3	.1							9.6	7.4
SSW	.3	2.2	2.8	1.9								7.1	8.4
SW	.4	2.0	5.2	4.1	.3							11.9	9.5
WSW	.1	1.3	3.3	5.4	.6							10.8	10.9
W	.4	3.0	6.5	6.1	.5							16.5	9.9
WNW	.3	1.3	1.8	1.3								4.6	8.3
NW	.1	.1	1.3	1.0								2.5	9.7
NNW	.3	1.0	.6	1.0								2.9	8.9
VARBL													
CALM												3.8	
	3.4	25.7	37.1	27.8	2.0	.1						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 789

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)

72250 (STATION) YOUNGSTOWN 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	.1	1.3	1.8	.7	.1							4.0	8.0
NNE	.1	.6	1.0	.2								1.9	7.5
NE	.1	1.0	.9	.2								2.3	6.9
ENE	.0	.6	.6	.1								1.3	6.7
E	.1	1.6	1.7	.7	.0	.0						4.2	7.8
ESE	.2	.9	1.6	1.1	.1							3.8	8.9
SE	.1	1.4	2.8	2.0	.1							6.4	9.3
SSE	.1	.7	2.0	.8								3.6	8.6
S	.3	2.9	5.9	2.2	.1							11.3	8.3
SSW	.2	1.8	2.8	1.6	.0	.0						6.5	8.6
SW	.3	2.7	4.7	4.3	.3	.0						12.2	9.5
WSW	.2	1.5	3.7	4.9	.7	.0						10.9	10.7
W	.3	2.3	6.1	6.4	1.0	.1						16.2	10.6
WNW	.1	1.2	2.4	2.0	.1							5.8	9.5
NW	.1	.7	2.1	1.7	.0	.0						4.7	9.7
NNW	.1	.7	.9	1.0	.1							2.8	9.7
VARBL													
CALM												2.2	
	2.4	21.8	40.8	29.9	2.7	.2						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 6391

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

725	YOUNGSTOWN MAP OH	73-81	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.5	2.3	.5	.2							3.6	9.0
NNE	.1	.1	.8	1.0								2.1	10.5
NE		.8	.5	.2	.1							1.7	7.9
ENE	.2	.8	.4	.2								1.7	6.0
E		1.0	2.9	1.1								5.0	8.4
ESE	.1	.5	2.4	1.5	.2							4.7	9.7
SE	.2	2.1	3.8	2.4	.2							8.7	9.0
SSE	.1	.5	1.6	.7								2.9	8.9
S	.2	2.9	6.5	1.6								11.3	8.0
SSW	.4	2.1	4.1	1.1								7.6	7.9
SW	.4	2.2	5.8	4.1	.4							12.8	9.7
WSW	.2	.8	2.2	4.0	.8							8.1	11.4
W		1.8	3.5	6.5	1.7	.2						13.8	12.0
WNW		.6	2.8	1.8	.2							5.5	10.3
NW	.2	1.1	1.8	2.8	.1							6.1	10.3
NNW		.5	.7	1.0								2.2	10.6
VARBL													
CALM												2.2	
	2.4	18.3	42.2	30.5	4.1	.2						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 825

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72-250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | DEC MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.6	2.3	1.5								4.6	9.1
NNE		.5	.4	.4	.1							1.4	9.0
NE	.1	.7	1.4									2.2	6.8
ENE		.6										.6	5.4
E	.2	2.0	3.5	.9	.1							6.7	8.0
ESE	.1	1.6	2.2	2.0	.4							6.3	9.1
SE		.6	4.3	2.0	.1							7.0	9.3
SSE	.1	.4	2.1	.9								3.5	8.9
S	.5	2.6	7.3	1.1	.1							11.6	8.0
SSW	.1	1.7	3.3	.7								5.9	8.0
SW	.2	2.3	4.8	4.1	.5							12.0	9.8
WSW	.1	.9	4.3	5.2	.4							10.9	11.0
W		1.2	3.8	6.5	.7							12.3	11.4
WNW		.7	1.0	1.7	.2	.1						3.8	10.7
NW		.6	2.7	3.7	.2							7.3	11.0
NNW	.2		1.1	.5	.1							2.0	9.8
VARBL													
CALM												2.1	
	2.0	17.1	44.5	31.1	3.1	.1						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 811

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)

72250	YOUNGSTOWN MAP OH	73-81	DEC
STATION	STATION NAME	YEARS	MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.2	1.6	1.1								3.9	9.0
NNE		.6	.2	.6	.4							1.8	11.1
NE		.7	1.6	.1								2.4	7.2
ENE		.7	1.1		.2							2.1	8.2
E		1.9	2.3	1.0								5.2	8.0
ESE		1.2	2.8	1.6	.1							5.7	9.5
SE		2.1	3.6	2.4	.1							8.2	9.0
SSE		.7	2.9	.4	.1							4.1	8.1
S	.4	3.3	8.4	1.7								13.7	7.9
SSW		1.7	3.3	1.2								6.2	8.3
SW	.1	1.6	4.7	4.7								11.2	10.1
WSW	.1	1.1	4.5	3.5	.1							9.3	10.1
W		.6	3.9	5.8	.7	.2						11.3	11.8
WNW		.8	1.9	2.2	.2	.1						5.3	10.5
NW	.1	1.0	2.8	2.1	.2							6.2	10.0
NNW		.4	1.2	1.0								2.5	10.0
VARBL													
CALM												.8	
	.7	19.6	46.8	29.3	2.3	.4						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 825

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
72525	YOUNGSTOWN MAP OH	73-81	DEC

CLASS: ALL WEATHER

CONDITION:

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

SPEED (KNTS) DIR.	1 - 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	1.1	.6	.4							2.5	9.8
NNE	.1	.1	.7	1.5	.1							2.5	10.7
NE	.1		1.0	.5								1.6	10.2
ENE		.6	1.3	.2								2.2	8.3
E	.1	.4	2.1	.7	.2							3.5	9.8
ESE		1.1	2.4	1.3								4.8	8.8
SE		1.0	4.8	2.9	.1							8.8	10.1
SSE		.8	2.4	1.2								4.5	9.0
S		1.9	6.5	2.7								11.2	9.0
SSW	.1	1.1	3.9	3.0								8.1	9.5
SW	.1	1.5	4.8	5.0		.1						11.5	10.2
WSW	.2	1.0	3.9	6.9	.5	.1						12.6	11.4
W	.1	1.2	2.8	6.2	.8							11.2	11.6
WNW	.1	.7	1.9	2.3	.1							5.2	10.4
NW		.7	1.8	2.4	.1							5.1	10.5
NNW	.2	.5	1.0	2.1	.2							4.0	10.7
VARBL													
CALM												.6	
	1.3	13.1	42.5	39.5	2.7	.2						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS: 625

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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		.2	1.2	2.4	.2							4.1	11.5
NNE		.5	.6	.8	.1							2.1	10.6
NE		.2	.2	.6								1.1	10.1
ENE	.1	.4	.6	.7								1.8	9.3
E		.7	1.2	.1	.1							2.2	8.7
ESE	.1	.4	1.9	1.1	.2							3.8	9.6
SE		1.1	3.8	2.3								7.1	9.5
SSE	.1	.6	2.2	1.6								4.5	9.1
S	.2	2.4	4.4	2.4	.1							9.6	8.7
SSW		.4	2.5	3.9	.4							7.1	11.5
SW	.1	1.1	3.9	7.7	.5	.1						13.4	11.5
WSW		.8	3.3	7.5	.7	.2						12.6	12.1
W	.1	1.0	3.3	8.1	1.0	.1						13.6	12.1
WNW			2.2	3.4	.6							6.2	12.2
NW		.4	2.2	3.4	.5	.1						6.5	11.5
NNW		.6	.8	1.9	.2							3.6	11.5
VARBL													
CALM												.7	
	.8	10.8	34.3	48.1	4.7	.6						100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 826

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)

72525 (STATION) YOUNGSTOWN 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	.4	.9	2.1	2.0	.1							5.4	9.5
NNE		.7	1.6	.6								2.9	8.7
NE	.1	.9	.1	.5								1.6	7.5
ENE		.7		.1								.9	6.1
E		.9	1.7	.2								2.8	7.9
ESE	.2	1.1	2.2	.9								4.4	7.9
SE		1.6	2.8	2.4	.1							7.0	9.2
SSE		.1	2.8	.7								3.7	9.2
S		1.7	6.1	2.1								9.9	8.8
SSW		.9	2.4	2.6								5.9	9.9
SW		1.7	4.4	5.0	.2							11.3	10.6
WSW		1.1	4.3	5.9	1.1							12.3	11.4
W	.1	1.6	3.5	9.0	1.1	.4	.1					15.9	12.0
WNW		.9	2.0	2.9								5.7	10.7
NW	.1	.7	3.3	2.8	.2							7.2	10.3
NNW		.7	.5	1.3	.5							3.0	11.7
VARBL													
CALM												.2	
	1.0	16.1	39.8	39.0	3.9	.4	.1					100.0	10.1

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

2

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN 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	1.7	3.0	1.5	.1							6.4	8.5
NNE	.2	.4	.8	.2	.1							1.8	8.5
NE		1.3	1.2	.4								2.9	7.3
ENE	.1	.2	.1									.5	5.5
E		1.6	1.5	.1								3.2	6.7
ESE	.2	1.7	3.2	.6								5.7	7.5
SE		1.8	3.4	2.1								7.3	8.9
SSE	.2	.8	1.2	1.0								3.3	8.2
S	.5	1.6	5.7	2.1								9.8	8.4
SSW	.5	1.6	2.3	1.2								5.6	8.1
SW		1.7	5.3	5.1								12.1	9.7
WSW	.1	1.3	4.0	3.8	1.0							10.2	10.6
W		1.9	4.0	6.2	1.9							14.1	11.6
WNW	.1	1.0	1.6	2.3								5.0	9.7
NW	.5	1.5	1.8	2.9	.2							6.9	9.9
NNW	.1	.7	1.1	.2								2.2	7.6
VARBL													
CALM												3.2	
	2.8	20.8	40.2	29.6	3.4							100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 825

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525 (STATION) YOUNGSTOWN 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		1.3	2.1	1.0								4.4	8.7
NNE			1.1	.9	.1							2.1	10.8
NE	.1	1.1	.9	.4								2.4	7.2
ENE	.2	1.1	.6									2.0	5.9
E	.1	2.0	2.0	.5								4.5	7.1
ESE	.2	.7	2.8	1.5								5.3	9.0
SE	.1	.7	3.8	1.8								6.5	9.1
SSE	.1	1.1	1.1	.9								3.2	8.4
S	.2	2.3	5.3	3.4								11.2	8.9
SSW	.1	.9	3.2	2.0								6.1	9.2
SW		2.4	4.9	3.8								11.1	9.3
WSW	.2	1.0	3.2	3.9	1.2	.1						9.6	11.4
W	.1	2.0	5.3	9.0	1.1							17.5	11.4
WNW		.4	1.5	2.7								4.5	11.2
NW	.1	1.0	1.0	2.0	.1							4.2	10.1
NNW		.4	.7	1.2	.1							2.4	11.1
VARBL													
CALM												3.1	
	1.8	18.3	39.2	34.8	2.7	.1						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 819

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

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

(CONDITION)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.9	2.0	1.3	.1							4.4	9.3
NNE	.1	.4	.8	.7	.1							2.1	10.0
NE	.1	.7	.9	.3	.0							2.0	7.8
ENE	.1	.7	.5	.2	.0							1.5	7.3
E	.1	1.3	2.1	.6	.1							4.1	8.0
ESE	.1	1.0	2.5	1.3	.1							5.1	8.9
SE	.0	1.4	3.8	2.3	.1							7.6	9.3
SSE	.1	.6	2.0	.9	.0							3.7	8.7
S	.3	2.3	6.3	2.1	.0							11.0	8.4
SSW	.2	1.3	3.1	2.0	.0							6.6	9.1
SW	.1	1.8	4.8	4.9	.2	.0						11.9	10.1
WSW	.1	1.0	3.7	5.1	.7	.1						10.7	11.2
W	.1	1.4	3.8	7.2	1.1	.1	.0					13.7	11.7
WNW	.0	.6	1.9	2.4	.2	.0						5.2	10.7
NW	.1	.9	2.2	2.8	.2	.0						6.2	10.5
NNW	.1	.5	.9	1.2	.2							2.8	10.5
VARBL													
CALM												1.6	
	1.6	16.8	41.2	35.2	3.3	.3	.0					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 6576

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

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

72525 (STATION) YOUNGSTOWN 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	2.0	2.9	1.6	.1	.0						6.8	8.5
NNE	.1	.7	1.2	.5	.0							2.5	8.3
NE	.1	1.2	1.5	.4	.0							3.4	7.6
ENE	.1	.9	.9	.2	.0							2.1	7.0
E	.2	2.3	2.1	.5	.0	.0						5.2	7.1
ESE	.2	1.3	1.8	.9	.0	.0						4.2	8.1
SE	.2	1.8	2.8	1.6	.1	.0						6.5	8.7
SSE	.1	1.0	1.8	.7	.0	.0						3.6	8.2
S	.3	3.3	5.2	1.6	.0							10.4	7.8
SSW	.2	1.9	2.7	1.3	.1	.0	.0					6.2	8.2
SW	.3	2.4	4.3	3.2	.2	.0	.0					10.5	9.2
WSW	.2	1.4	3.0	3.1	.5	.1	.0					8.3	10.3
W	.3	2.0	3.8	4.3	.7	.1	.0					11.2	10.4
WNW	.2	1.1	1.8	1.7	.2	.0	.0					5.0	9.6
NW	.2	1.4	2.4	2.3	.2	.0						6.6	9.6
NNW	.1	.9	1.4	1.5	.2	.0						4.1	9.7
VARBL													
CALM												3.5	
	3.0	25.8	39.6	25.4	2.4	.3	.0					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 76292

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

72[illegible]250	YOUNGSTOWN MAP OH	73-81	ALL
STATION	STATION NAME	YEARS	MONTH

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

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.4	2.9	2.2	.2	.0						7.0	9.4
NNE	.1	.6	1.1	.6	.1							2.5	9.0
NE	.1	.9	1.1	.7	.1							2.8	8.7
ENE	.1	.6	.7	.3	.0							1.7	7.7
E	.2	1.7	1.5	.6	.1	.0						4.1	7.6
ESE	.2	1.0	1.3	1.0	.1	.0						3.6	8.7
SE	.1	1.5	2.1	2.1	.2	.0						6.0	9.4
SSE	.1	1.1	1.7	.7	.0							3.7	8.2
S	.4	3.0	5.0	1.4	.0							9.8	7.7
SSW	.2	1.6	2.6	.9	.0	.0						5.3	8.0
SW	.3	2.0	4.5	2.7	.2	.1	.0					9.9	9.3
WSW	.2	1.3	3.2	3.2	.5	.2	.0					8.6	10.5
W	.2	2.0	4.5	5.5	.8	.1	.0					13.1	10.7
WNW	.1	1.2	2.4	2.6	.3	.1	.0					6.7	10.2
NW	.2	1.1	2.9	3.5	.2	.0						8.1	10.4
NNW	.1	.6	1.6	2.0	.3	.0						4.5	10.7
VARBL													
CALM												2.5	
	2.8	21.8	39.1	30.1	3.1	.6	.1					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 15760

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (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.

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) JAN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-2300 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1⅝	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	12.7	23.3	23.9	24.1	24.2	24.2	24.5	24.5	24.5	24.7	24.7	24.7	24.7	24.7	24.7	24.7
≥ 20000	12.9	25.0	25.5	25.8	25.9	25.9	26.2	26.2	26.2	26.4	26.4	26.4	26.4	26.4	26.4	26.4
≥ 18000	12.9	25.0	25.5	25.8	25.9	25.9	26.2	26.2	26.2	26.4	26.4	26.4	26.4	26.4	26.4	26.4
≥ 16000	12.9	25.0	25.5	25.8	25.9	25.9	26.2	26.2	26.2	26.4	26.4	26.4	26.4	26.4	26.4	26.4
≥ 14000	12.9	25.0	25.5	25.8	25.9	25.9	26.2	26.2	26.2	26.4	26.4	26.4	26.4	26.4	26.4	26.4
≥ 12000	13.2	25.3	25.8	26.3	26.4	26.4	26.7	26.7	26.7	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 10000	13.5	26.6	27.2	27.8	27.9	27.9	28.1	28.1	28.1	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 9000	13.5	26.7	27.3	27.9	28.0	28.0	28.3	28.3	28.3	28.5	28.5	28.5	28.5	28.5	28.5	28.5
≥ 8000	14.3	28.4	29.0	29.6	29.7	29.7	30.0	30.0	30.0	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 7000	14.7	29.6	30.3	30.9	31.1	31.1	31.3	31.3	31.3	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 6000	14.9	30.1	30.9	31.5	31.7	31.7	31.9	31.9	31.9	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 5000	16.6	33.0	33.9	34.5	34.6	34.6	34.8	35.0	35.0	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 4500	17.2	34.3	35.2	35.9	36.1	36.1	36.3	36.4	36.4	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 4000	18.1	36.2	37.4	38.5	38.6	38.6	38.9	39.0	39.0	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 3500	19.9	38.2	39.9	41.0	41.2	41.2	41.5	41.7	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 3000	21.1	42.5	44.7	46.2	46.4	46.4	46.8	46.9	46.9	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 2500	22.4	46.8	49.6	51.3	52.0	52.3	52.6	52.7	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 2000	25.5	54.3	58.5	61.3	62.5	62.9	63.2	63.3	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 1800	25.9	57.0	61.1	64.1	65.3	65.7	66.0	66.1	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 1500	26.7	60.7	65.7	69.2	70.9	71.3	71.7	72.0	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 1200	28.3	63.6	69.7	75.4	77.3	77.8	78.4	78.8	78.8	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 1000	28.3	64.6	71.3	77.3	79.4	80.4	81.9	82.7	82.7	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 900	28.5	65.4	72.2	78.6	80.8	81.7	83.2	84.7	84.7	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 800	28.6	66.3	73.2	79.5	81.7	82.8	84.7	86.5	86.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 700	28.6	67.6	74.5	81.2	83.4	84.7	86.7	88.8	88.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 600	28.6	67.7	74.7	81.9	84.2	85.4	87.8	90.0	90.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 500	28.6	68.3	75.3	83.2	85.7	87.0	89.4	91.8	92.2	93.9	93.9	93.9	94.0	94.0	94.0	94.0
≥ 400	28.6	68.6	75.5	83.4	86.4	87.9	90.6	93.1	93.4	95.2	95.5	95.5	95.7	95.7	95.7	95.7
≥ 300	28.6	68.6	75.5	83.8	87.0	88.7	91.6	94.0	94.4	96.2	96.5	96.5	96.7	96.7	96.7	96.7
≥ 200	28.6	68.6	75.5	83.8	87.0	88.9	92.1	95.0	95.4	97.7	97.9	97.9	98.4	98.4	98.7	98.7
≥ 100	28.6	68.6	75.5	83.8	87.0	88.9	92.1	95.1	95.5	97.9	98.5	98.7	99.3	99.4	99.8	99.8
≥ 0	28.6	68.6	75.5	83.8	87.0	88.9	92.1	95.1	95.5	97.9	98.5	98.7	99.3	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 821

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

...RAL CLIMATOLOGY BRANCH
...FETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...SS STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 HOURS (LST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	8.7	17.8	18.7	20.4	20.7	20.7	20.8	20.8	20.8	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 20000	9.1	19.4	20.3	22.0	22.3	22.3	22.4	22.4	22.4	22.6	22.6	22.6	22.6	22.6	22.6	22.6
≥ 18000	9.1	19.4	20.3	22.0	22.3	22.3	22.4	22.4	22.4	22.6	22.6	22.6	22.6	22.6	22.6	22.6
≥ 16000	9.1	19.4	20.3	22.0	22.3	22.3	22.4	22.4	22.4	22.6	22.6	22.6	22.6	22.6	22.6	22.6
≥ 14000	9.1	20.0	20.9	22.6	22.9	22.9	23.0	23.0	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.2
≥ 12000	9.5	21.2	22.0	24.0	24.2	24.2	24.4	24.4	24.4	24.6	24.6	24.6	24.6	24.6	24.6	24.6
≥ 10000	10.0	22.4	23.2	25.2	25.5	25.5	25.6	25.6	25.6	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 9000	10.0	22.6	23.6	25.6	25.8	25.8	26.0	26.0	26.0	26.2	26.2	26.2	26.2	26.2	26.2	26.2
≥ 8000	10.7	24.2	25.1	27.1	27.3	27.4	27.6	27.6	27.6	27.8	27.8	27.8	27.8	27.8	27.8	27.8
≥ 7000	10.9	25.2	26.1	28.0	28.3	28.4	28.5	28.5	28.5	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 6000	10.9	25.2	26.1	28.0	28.3	28.4	28.5	28.5	28.5	28.8	28.8	28.8	28.8	28.8	28.8	28.8
≥ 5000	11.9	27.3	28.2	30.5	30.8	30.9	31.0	31.0	31.0	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 4500	12.4	28.3	29.2	31.5	31.7	31.9	32.0	32.0	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 4000	13.2	30.0	31.6	34.3	34.6	34.7	34.8	34.8	34.8	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 3500	13.5	32.5	34.1	36.8	37.0	37.1	37.3	37.3	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 3000	15.4	36.3	38.7	41.5	41.7	41.8	41.9	41.9	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 2500	17.8	41.9	44.8	48.1	48.8	49.1	49.3	49.3	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 2000	21.3	49.8	53.1	56.8	58.3	58.5	58.9	58.9	58.9	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 1800	21.8	52.2	56.0	60.0	61.6	61.9	62.2	62.2	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 1500	22.4	54.5	59.4	64.7	66.5	66.8	67.5	67.9	67.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 1200	23.1	58.5	64.7	71.6	74.0	74.4	75.9	76.4	76.5	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1000	23.1	59.3	65.7	73.4	76.0	76.9	79.1	80.2	80.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 900	23.4	60.3	66.9	75.4	78.0	78.8	81.1	82.3	82.4	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 800	23.5	61.0	67.9	76.6	79.2	80.4	83.1	84.5	84.9	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 700	23.6	61.9	68.9	78.0	80.6	81.8	84.6	86.2	86.6	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 600	23.9	62.7	70.4	79.8	82.4	83.6	87.0	88.7	89.1	90.9	91.0	91.0	91.0	91.0	91.0	91.0
≥ 500	23.9	63.0	70.7	81.1	83.9	85.5	88.8	90.7	91.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1
≥ 400	23.9	63.1	70.8	81.5	85.1	87.0	90.4	92.6	93.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2
≥ 300	23.9	63.1	70.8	81.8	85.6	87.5	91.0	93.2	93.7	95.8	96.4	96.4	96.4	96.4	96.4	96.4
≥ 200	23.9	63.1	70.8	81.8	86.2	88.1	91.6	94.3	95.1	97.5	98.2	98.2	98.2	98.2	98.2	98.2
≥ 100	23.9	63.1	70.8	81.8	86.2	88.1	91.6	94.3	95.2	97.7	98.5	98.5	99.0	99.0	99.3	99.3
≥ 0	23.9	63.1	70.8	81.8	86.2	88.1	91.6	94.3	95.2	97.7	98.5	98.5	99.0	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 813

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

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

CEILING VERSUS VISIBILITY

...20... STATION | YOUNGSTOWN 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	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	7.3	13.7	15.2	17.0	17.4	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
≥ 20000	7.6	15.5	17.4	19.4	19.8	20.4	20.8	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
≥ 18000	7.8	15.7	17.5	19.5	19.9	20.5	20.9	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 16000	7.8	15.7	17.5	19.5	19.9	20.5	20.9	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 14000	7.9	15.9	17.7	19.8	20.1	20.8	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
≥ 12000	8.1	16.7	18.8	20.9	21.2	21.8	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
≥ 10000	8.5	17.5	19.5	21.8	22.2	22.8	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3	23.3
≥ 9000	8.7	17.8	19.9	22.2	22.6	23.2	23.5	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
≥ 8000	9.2	19.5	21.7	24.0	24.4	25.0	25.4	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
≥ 7000	9.5	20.6	22.8	25.1	25.5	26.1	26.5	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
≥ 6000	9.9	20.9	23.2	25.5	25.8	26.5	26.8	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 5000	10.3	22.0	24.3	26.6	26.9	27.5	27.9	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
≥ 4500	11.1	23.1	25.5	27.8	28.2	28.8	29.1	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
≥ 4000	12.1	25.2	27.9	30.3	30.7	31.3	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
≥ 3500	12.5	26.2	28.9	31.3	31.7	32.3	32.6	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
≥ 3000	14.0	29.2	32.4	34.8	35.3	36.0	36.8	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 2500	16.6	35.1	38.2	41.1	42.2	43.1	44.1	44.3	44.3	44.4	44.5	44.5	44.5	44.5	44.5	44.5
≥ 2000	19.7	42.5	46.1	49.6	51.1	52.5	53.8	54.2	54.2	54.6	54.9	54.9	55.0	55.0	55.0	55.0
≥ 1800	20.0	44.8	48.7	52.8	54.7	56.2	57.5	58.1	58.1	58.6	58.9	58.9	59.0	59.0	59.0	59.0
≥ 1500	20.3	46.6	51.5	56.1	58.4	59.8	61.8	62.4	62.4	63.3	63.6	63.6	63.8	63.8	63.8	63.8
≥ 1200	21.2	51.0	57.0	63.5	66.1	67.8	70.9	71.8	71.8	73.2	73.4	73.4	73.7	73.7	73.7	73.7
≥ 1000	21.5	52.8	59.3	66.0	68.7	71.4	74.8	76.0	76.0	77.8	78.2	78.2	78.4	78.4	78.4	78.4
≥ 900	21.8	53.9	61.2	68.6	71.2	74.0	78.0	79.2	79.5	81.3	81.8	81.8	82.2	82.2	82.2	82.2
≥ 800	22.0	54.9	62.4	70.3	73.1	76.0	80.3	81.6	81.8	83.9	84.6	84.6	85.0	85.0	85.0	85.0
≥ 700	22.1	55.7	63.5	71.8	74.6	77.5	82.0	83.5	83.7	85.8	86.5	86.5	86.9	86.9	86.9	86.9
≥ 600	22.1	56.2	64.6	73.3	76.1	79.4	84.2	85.9	86.2	88.3	89.2	89.2	89.6	89.6	89.6	89.6
≥ 500	22.2	56.9	65.8	74.9	77.9	81.4	86.4	88.2	88.5	90.8	91.9	92.0	92.5	92.5	92.5	92.5
≥ 400	22.2	57.2	66.0	75.8	79.1	82.6	88.0	89.8	90.0	92.4	93.4	93.6	94.1	94.1	94.1	94.1
≥ 300	22.2	57.2	66.0	76.1	79.6	83.1	89.1	91.4	91.6	94.2	95.9	96.1	96.6	96.6	96.6	96.6
≥ 200	22.2	57.2	66.0	76.3	80.0	83.5	89.4	91.9	92.2	95.1	97.2	97.5	98.3	98.4	98.5	98.5
≥ 100	22.2	57.2	66.0	76.3	80.0	83.5	89.4	91.9	92.2	95.1	97.2	97.5	98.4	98.8	99.2	99.2
≥ 0	22.2	57.2	66.0	76.3	80.0	83.5	89.4	91.9	92.2	95.1	97.2	97.5	98.4	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 824

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

[illegible] CLIMATOLOGY BRANCH
[illegible] ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

[illegible]-1100 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	7.6	12.6	14.1	15.2	16.3	16.5	17.3	17.7	17.7	17.7	17.9	17.9	17.9	17.9	17.9	17.9
≥ 20000	16.0	16.3	18.2	19.5	20.9	21.5	22.5	23.0	23.0	23.1	23.3	23.3	23.3	23.3	23.3	23.3
≥ 18000	16.0	16.3	18.2	19.5	20.9	21.5	22.5	23.0	23.0	23.1	23.3	23.3	23.3	23.3	23.3	23.3
≥ 16000	16.0	16.3	18.2	19.5	20.9	21.5	22.5	23.0	23.0	23.1	23.3	23.3	23.3	23.3	23.3	23.3
≥ 14000	16.3	16.8	18.7	20.0	21.4	22.0	23.0	23.5	23.5	23.6	23.7	23.7	23.7	23.7	23.7	23.7
≥ 12000	10.4	17.0	19.3	20.8	22.3	22.9	23.9	24.4	24.4	24.6	24.7	24.7	24.7	24.7	24.7	24.7
≥ 10000	11.6	18.4	20.8	23.0	24.5	25.1	26.2	26.7	26.7	26.9	27.1	27.1	27.1	27.1	27.1	27.1
≥ 9000	11.6	18.4	20.8	23.0	24.5	25.1	26.2	26.7	26.7	26.9	27.1	27.1	27.1	27.1	27.1	27.1
≥ 8000	12.4	19.7	22.3	24.6	26.1	26.7	27.8	28.3	28.3	28.5	28.6	28.6	28.6	28.6	28.6	28.6
≥ 7000	13.5	20.9	23.6	25.9	27.4	28.0	29.1	29.6	29.6	29.9	30.0	30.0	30.0	30.0	30.0	30.0
≥ 6000	13.8	21.3	24.0	26.7	28.2	28.9	30.0	30.5	30.5	30.7	30.8	30.8	30.8	30.8	30.8	30.8
≥ 5000	14.3	22.5	25.5	28.3	29.9	30.6	31.7	32.2	32.2	32.4	32.6	32.6	32.6	32.6	32.6	32.6
≥ 4500	14.9	23.6	26.6	29.5	31.1	31.8	32.9	33.4	33.4	33.7	33.8	33.8	33.8	33.8	33.8	33.8
≥ 4000	16.0	25.0	28.0	31.0	32.7	33.4	34.6	35.1	35.1	35.4	35.5	35.5	35.5	35.5	35.5	35.5
≥ 3500	16.6	25.9	28.9	31.9	33.8	34.5	35.7	36.2	36.2	36.5	36.6	36.6	36.6	36.6	36.6	36.6
≥ 3000	17.5	27.1	30.1	33.5	36.0	36.8	38.4	38.9	38.9	39.2	39.3	39.3	39.3	39.3	39.3	39.3
≥ 2500	19.3	30.2	33.5	37.5	40.4	41.4	43.2	43.9	43.9	44.2	44.3	44.3	44.3	44.3	44.3	44.3
≥ 2000	21.9	34.6	38.8	43.8	46.8	48.3	50.7	51.8	51.8	52.3	52.4	52.4	52.4	52.4	52.4	52.4
≥ 1800	22.8	36.5	40.9	46.0	49.1	50.7	53.4	54.6	54.6	55.3	55.4	55.4	55.4	55.4	55.4	55.4
≥ 1500	23.5	40.0	45.2	50.9	54.2	56.2	60.2	62.1	62.2	63.4	63.6	63.6	63.6	63.6	63.6	63.6
≥ 1200	23.9	42.2	47.9	54.1	57.9	60.6	65.6	68.2	68.4	70.0	70.3	70.3	70.3	70.3	70.3	70.3
≥ 1000	24.0	43.2	49.6	56.1	60.1	62.8	68.5	71.5	71.7	74.2	74.8	74.8	74.9	74.9	74.9	74.9
≥ 900	24.0	43.8	50.9	57.4	61.9	65.2	7 .7	75.0	75.3	77.7	78.6	78.6	78.7	78.7	78.7	78.7
≥ 800	24.1	44.3	51.9	58.6	63.2	67.0	73.8	77.5	77.7	80.7	81.8	81.8	81.9	81.9	81.9	81.9
≥ 700	24.1	44.4	52.3	59.7	64.6	68.4	75.6	79.6	79.8	82.7	84.1	84.1	84.2	84.2	84.2	84.2
≥ 600	24.0	44.6	52.4	60.3	65.4	70.0	77.4	81.4	81.6	84.8	86.2	86.2	86.3	86.3	86.3	86.3
≥ 500	24.0	44.6	52.8	61.0	66.2	71.2	79.4	83.7	84.0	87.6	89.6	89.6	90.0	90.0	90.0	90.0
≥ 400	24.0	44.8	53.1	61.6	67.0	72.5	80.9	85.7	86.0	90.2	93.1	93.1	93.9	93.9	94.0	94.0
≥ 300	24.0	44.8	53.1	61.8	67.4	72.9	81.5	87.1	87.5	92.5	96.1	96.1	96.8	96.8	96.9	96.9
≥ 200	24.0	44.9	53.2	62.1	67.7	73.2	81.9	87.8	88.1	93.3	97.4	97.4	98.7	98.7	98.9	98.9
≥ 100	24.0	44.9	53.2	62.1	67.7	73.2	81.9	87.8	88.1	93.3	97.4	97.4	98.9	98.9	99.3	99.4
≥ 0	24.0	44.9	53.2	62.1	67.7	73.2	81.9	87.8	88.1	93.3	97.4	97.4	98.9	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 817

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

25 — STATION
YOUNGSTOWN 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	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	11.3	15.8	16.7	16.8	16.8	16.9	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
≥ 20000	13.3	20.1	21.6	21.8	22.2	22.3	22.9	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
≥ 18000	13.6	20.1	21.9	22.2	22.5	22.7	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
≥ 16000	13.6	20.1	21.9	22.2	22.5	22.7	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
≥ 14000	13.9	20.6	22.4	22.7	23.0	23.1	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
≥ 12000	14.0	21.3	23.3	23.5	23.9	24.0	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
≥ 10000	14.9	22.2	24.5	24.7	25.1	25.2	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
≥ 9000	15.0	22.3	24.6	24.8	25.2	25.3	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 8000	15.8	23.6	25.9	26.2	26.6	26.7	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
≥ 7000	16.2	24.7	27.5	27.8	28.1	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 6000	16.3	25.0	28.1	28.6	29.0	29.1	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
≥ 5000	16.8	26.2	29.4	29.8	30.2	30.3	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 4500	17.2	26.7	30.0	30.8	31.2	31.3	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
≥ 4000	18.4	28.5	31.8	32.6	33.0	33.3	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 3500	18.5	28.7	32.2	33.3	33.6	33.9	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 3000	20.2	30.6	34.1	35.2	35.9	36.4	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 2500	23.1	35.6	39.2	40.7	41.8	42.5	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 2000	28.7	44.2	48.5	50.4	51.8	52.7	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 1800	30.0	47.3	51.9	54.1	55.7	57.0	58.8	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 1500	30.9	51.2	56.4	59.8	61.6	63.1	66.9	67.0	67.0	67.2	67.4	67.4	67.4	67.4	67.4	67.4
≥ 1200	32.0	53.5	59.3	63.2	65.8	67.7	73.0	74.5	74.5	75.2	75.4	75.4	75.4	75.4	75.4	75.4
≥ 1000	32.2	54.3	60.5	64.9	68.2	70.6	76.4	78.7	78.7	79.5	79.9	79.9	79.9	79.9	79.9	79.9
≥ 900	32.4	55.2	61.9	66.5	70.0	73.6	79.8	82.6	82.6	83.7	84.3	84.3	84.3	84.3	84.3	84.3
≥ 800	32.6	55.8	62.6	67.4	71.0	74.8	81.4	84.5	84.5	85.7	87.3	87.3	87.3	87.3	87.3	87.3
≥ 700	32.6	56.2	63.1	68.1	71.9	76.0	82.9	86.1	86.1	87.3	89.2	89.2	89.2	89.2	89.2	89.2
≥ 600	32.6	56.2	63.2	68.2	72.0	76.6	83.6	87.0	87.0	88.4	90.6	90.6	91.0	91.0	91.1	91.1
≥ 500	32.6	56.6	63.7	68.7	72.6	77.5	85.1	89.0	89.0	90.5	92.9	92.9	93.3	93.3	93.4	93.4
≥ 400	32.6	56.6	63.8	68.9	72.8	77.8	85.9	90.1	90.1	92.4	95.4	95.4	96.0	96.0	96.1	96.1
≥ 300	32.6	56.8	63.9	69.1	73.0	78.3	86.6	91.0	91.0	93.9	97.0	97.0	97.7	97.8	97.9	97.9
≥ 200	32.6	56.8	63.9	69.1	73.1	78.4	87.0	91.4	91.4	94.6	97.8	97.8	98.8	98.9	99.0	99.0
≥ 100	32.6	56.8	63.9	69.1	73.1	78.4	87.0	91.4	91.4	94.8	97.9	97.9	99.0	99.1	99.5	99.5
≥ 0	32.6	56.8	63.9	69.1	73.1	78.4	87.0	91.4	91.4	94.8	97.9	97.9	99.3	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 821

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

CEILING VERSUS VISIBILITY

72... (STATION) YOUNGSTOWN 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	13.6	17.2	17.2	17.2	17.2	17.2	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
≥ 20000	18.1	23.4	23.7	23.7	23.8	23.8	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥ 18000	18.2	23.6	23.8	23.8	23.9	23.9	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 16000	18.2	23.6	23.8	23.8	23.9	23.9	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 14000	18.7	24.2	24.4	24.4	24.5	24.5	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
≥ 12000	19.9	25.8	26.0	26.0	26.1	26.1	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3	26.3
≥ 10000	20.7	27.1	27.5	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
≥ 9000	20.9	27.6	28.0	28.0	28.1	28.1	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.2
≥ 8000	22.1	30.1	30.6	30.6	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 7000	22.3	30.9	31.4	31.4	31.5	31.5	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.9	31.8
≥ 6000	22.3	31.2	31.8	31.8	31.9	31.9	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
≥ 5000	23.2	32.9	33.5	33.5	33.7	33.9	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 4500	23.7	34.1	34.7	34.8	35.1	35.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 4000	24.7	35.8	36.4	36.6	36.8	36.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 3500	25.4	36.7	37.7	37.9	38.2	38.3	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 3000	29.1	40.9	42.0	42.7	43.1	43.2	43.4	43.4	43.4	43.4	43.6	43.6	43.6	43.6	43.6	43.6
≥ 2500	34.2	47.4	48.5	49.3	50.1	50.7	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 2000	37.5	54.4	56.1	57.7	59.0	59.9	61.0	61.3	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 1800	39.3	57.5	60.2	62.2	63.8	64.7	65.9	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 1500	40.9	60.4	63.4	66.1	67.7	69.2	71.3	72.5	72.5	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 1200	41.5	63.1	66.5	69.6	71.9	74.1	77.7	79.9	79.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1000	41.8	63.9	67.7	71.0	73.5	76.1	80.5	83.3	83.3	84.8	85.2	85.2	85.3	85.3	85.3	85.3
≥ 900	41.8	64.5	68.6	72.0	74.7	77.5	82.0	85.6	85.6	87.2	87.6	87.6	87.7	87.7	87.7	87.7
≥ 800	42.0	64.8	69.0	72.4	75.5	78.5	83.2	87.4	87.4	89.4	90.1	90.1	90.3	90.3	90.3	90.3
≥ 700	42.0	64.9	69.2	72.8	75.8	79.4	84.3	88.7	88.7	90.9	91.9	91.9	92.1	92.1	92.1	92.1
≥ 600	42.0	64.9	69.3	72.9	76.0	80.0	85.2	89.8	89.8	92.1	93.3	93.3	93.6	93.6	93.6	93.6
≥ 500	42.0	65.2	69.6	73.3	76.3	80.4	85.8	90.9	90.9	93.9	95.1	95.1	95.5	95.5	95.5	95.5
≥ 400	42.0	65.2	69.6	73.3	76.6	80.9	86.5	92.1	92.1	95.3	96.8	96.8	97.2	97.2	97.2	97.2
≥ 300	42.0	65.2	69.6	73.3	76.6	81.1	86.9	92.8	92.8	96.6	98.3	98.3	98.8	98.8	98.8	98.8
≥ 200	42.0	65.2	69.6	73.3	76.6	81.1	86.9	92.8	92.8	96.8	98.7	98.7	99.1	99.3	99.5	99.5
≥ 100	42.0	65.2	69.6	73.3	76.6	81.1	86.9	92.8	92.8	96.8	98.8	98.8	99.5	99.6	99.9	100.0
≥ 0	42.0	65.2	69.6	73.3	76.6	81.1	86.9	92.8	92.8	96.8	98.8	98.8	99.5	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 815

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

...AL CLIMATOLOGY BRANCH
...ETAC
A ...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

... 25 (STATION) YOUNGSTOWN 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	18.2	21.9	22.0	22.1	22.1	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
≥ 20000	21.1	26.4	26.5	26.6	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 18000	21.2	26.4	26.5	26.6	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 16000	21.3	26.4	26.5	26.6	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 14000	21.3	26.6	26.7	26.9	26.9	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0	27.0
≥ 12000	21.5	27.1	27.2	27.3	27.3	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
≥ 10000	22.7	28.7	28.9	29.0	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
≥ 9000	22.7	28.7	28.9	29.0	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
≥ 8000	23.6	30.7	31.1	31.2	31.2	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 7000	23.8	31.8	32.3	32.4	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥ 6000	23.9	32.2	32.7	32.8	33.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 5000	25.9	35.1	35.6	35.7	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 4500	26.6	36.2	36.7	36.8	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 4000	27.9	39.2	40.3	40.1	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 3500	28.5	41.8	41.8	42.0	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 3000	31.7	46.1	47.6	48.5	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 2500	36.2	52.6	54.4	55.5	56.7	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 2000	39.0	58.3	61.1	63.2	64.5	65.0	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 1800	40.0	61.1	64.2	66.2	68.3	68.9	69.4	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 1500	41.1	64.8	68.9	71.7	74.0	75.1	76.7	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 1200	41.8	67.4	72.3	75.9	78.7	80.0	82.3	83.1	83.1	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1000	41.8	67.9	72.8	76.8	80.0	81.3	84.2	85.8	85.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 900	41.8	68.4	73.4	77.8	80.9	82.4	85.5	87.1	87.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 800	41.9	68.7	73.6	78.9	82.0	83.5	86.9	88.7	88.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 700	41.9	69.1	74.4	80.1	83.4	84.8	88.7	90.6	90.6	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 600	41.9	69.4	74.6	80.6	84.0	85.4	89.4	91.6	91.6	93.2	93.3	93.3	93.3	93.3	93.3	93.3
≥ 500	41.9	69.4	75.1	81.3	84.9	86.4	90.6	93.1	93.1	95.1	95.7	95.7	95.7	95.7	95.7	95.7
≥ 400	41.9	69.5	75.1	81.4	85.4	86.9	91.4	93.9	93.9	96.2	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	41.9	69.5	75.1	81.4	85.4	87.0	92.0	94.7	94.7	97.2	97.9	97.9	97.9	97.9	97.9	97.9
≥ 200	41.9	69.6	75.2	81.7	85.7	87.2	92.2	95.1	95.1	98.1	98.8	98.8	98.9	99.0	99.3	99.3
≥ 100	41.9	69.6	75.2	81.7	85.7	87.2	92.2	95.1	95.1	98.3	99.0	99.0	99.1	99.3	99.5	99.8
≥ 0	41.9	69.6	75.2	81.7	85.7	87.2	92.2	95.1	95.1	98.3	99.0	99.0	99.1	99.3	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 827

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

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

CEILING VERSUS VISIBILITY

... STATION | YOUNGSTOWN 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	15.7	22.2	22.2	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
≥ 20000	16.5	25.6	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
≥ 18000	16.5	25.6	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
≥ 16000	16.5	25.6	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
≥ 14000	16.5	25.6	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
≥ 12000	17.0	26.5	26.7	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 10000	18.3	28.6	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
≥ 9000	18.5	28.7	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 8000	19.2	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	31.6
≥ 7000	20.2	32.8	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 6000	20.3	33.0	33.8	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 5000	21.1	36.1	36.8	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 4500	21.6	36.8	37.9	38.3	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 4000	21.9	38.0	39.4	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 3500	22.6	40.2	41.8	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 3000	25.2	45.1	46.9	48.1	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 2500	29.0	51.2	53.6	55.9	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 2000	31.3	57.4	61.5	64.0	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 1800	32.2	59.8	64.4	67.6	68.9	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 1500	33.7	64.3	69.9	73.8	75.1	75.8	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 1200	34.8	66.5	72.4	78.4	79.8	80.8	81.8	81.8	81.8	81.8	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1000	35.2	67.9	74.2	80.8	82.4	83.7	85.2	85.4	85.4	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900	35.2	68.7	75.2	81.9	83.5	84.8	86.3	86.8	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 800	35.2	69.1	75.8	82.6	84.2	85.7	87.7	88.2	88.2	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 700	35.2	69.7	76.4	83.4	85.1	86.5	88.7	89.3	89.3	89.9	90.0	90.0	90.0	90.0	90.0	90.0
≥ 600	35.2	70.1	77.0	84.6	86.4	88.3	90.6	91.3	91.3	92.0	92.2	92.2	92.2	92.2	92.2	92.2
≥ 500	35.2	70.1	77.4	85.8	88.0	90.0	92.6	93.7	93.8	94.7	95.0	95.0	95.0	95.0	95.0	95.0
≥ 400	35.2	70.1	77.5	86.1	88.5	90.6	93.3	94.7	94.8	96.1	96.5	96.5	96.7	96.7	96.7	96.7
≥ 300	35.2	70.2	77.6	86.4	88.7	91.1	94.4	96.0	96.1	97.4	97.8	97.8	98.1	98.1	98.1	98.1
≥ 200	35.2	70.2	77.6	86.4	89.1	91.7	95.1	96.8	97.0	98.3	98.7	98.7	98.9	98.9	98.9	98.9
≥ 100	35.2	70.2	77.6	86.4	89.1	91.7	95.1	96.8	97.0	98.4	98.8	98.8	99.6	99.6	99.9	100.0
≥ 0	35.2	70.2	77.6	86.4	89.1	91.7	95.1	96.8	97.0	98.4	98.8	98.8	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 823

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

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

CEILING VERSUS VISIBILITY

23 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) JAN (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	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	11.7	18.0	19.7	19.4	19.6	19.7	20.0	20.0	20.0	20.1	20.1	20.1	20.1	20.1	20.1	20.1
≥ 20000	13.9	21.5	22.4	23.1	23.4	23.6	23.9	24.0	24.0	24.1	24.1	24.1	24.1	24.1	24.1	24.1
≥ 18000	13.9	21.5	22.4	23.2	23.5	23.7	24.0	24.1	24.1	24.1	24.2	24.2	24.2	24.2	24.2	24.2
≥ 16000	13.9	21.5	22.4	23.2	23.5	23.7	24.0	24.1	24.1	24.1	24.2	24.2	24.2	24.2	24.2	24.2
≥ 14000	13.9	21.8	22.8	23.5	23.9	24.0	24.3	24.4	24.4	24.5	24.5	24.5	24.5	24.5	24.5	24.5
≥ 12000	14.2	22.6	23.7	24.5	24.8	25.0	25.3	25.3	25.3	25.4	25.5	25.5	25.5	25.5	25.5	25.5
≥ 10000	15.0	23.9	25.1	26.0	26.4	26.6	26.9	26.9	26.9	27.0	27.1	27.1	27.1	27.1	27.1	27.1
≥ 9000	15.1	24.1	25.3	26.2	26.6	26.8	27.1	27.1	27.1	27.2	27.3	27.3	27.3	27.3	27.3	27.3
≥ 8000	15.9	25.9	27.1	28.1	28.4	28.6	28.9	29.0	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 7000	16.4	27.1	28.5	29.4	29.8	30.0	30.3	30.3	30.3	30.4	30.5	30.5	30.5	30.5	30.5	30.5
≥ 6000	16.5	27.4	28.8	29.9	30.2	30.5	30.8	30.9	30.9	30.9	31.0	31.0	31.0	31.0	31.0	31.0
≥ 5000	17.5	29.4	30.9	32.0	32.4	32.7	33.0	33.1	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2
≥ 4500	18.1	30.4	32.0	33.2	33.6	33.9	34.2	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 4000	19.0	32.3	34.1	35.4	35.9	36.1	36.5	36.6	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7
≥ 3500	19.5	33.7	35.6	37.1	37.6	37.8	38.2	38.3	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 3000	21.7	37.2	39.6	41.3	42.0	42.3	42.8	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 2500	24.9	42.6	45.2	47.4	48.7	49.2	49.8	49.9	49.9	50.0	50.1	50.1	50.1	50.1	50.1	50.1
≥ 2000	28.1	49.4	53.-	55.9	57.4	58.2	59.1	59.4	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7
≥ 1800	29.1	52.0	55.9	59.1	60.9	61.8	62.8	63.2	63.2	63.6	63.6	63.6	63.7	63.7	63.7	63.7
≥ 1500	29.9	55.3	61.9	64.9	66.1	67.2	69.0	69.7	69.7	70.2	70.3	70.3	70.3	70.3	70.3	70.3
≥ 1200	30.9	58.2	63.7	69.0	71.5	72.9	75.7	76.8	76.9	77.7	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1000	31.0	59.2	65.2	70.8	73.5	75.4	78.8	80.4	80.5	81.8	82.0	82.0	82.0	82.0	82.0	82.0
≥ 900	31.2	60.0	66.3	72.3	75.1	77.3	81.0	82.9	83.0	84.4	84.7	84.7	84.8	84.8	84.8	84.8
≥ 800	31.2	60.6	67.1	73.3	76.2	78.6	82.6	84.9	85.0	86.6	87.1	87.1	87.2	87.2	87.2	87.2
≥ 700	31.3	61.2	67.8	74.4	77.4	79.9	84.2	86.6	86.7	88.4	89.1	89.1	89.2	89.2	89.2	89.2
≥ 600	31.3	61.5	68.3	75.2	78.3	81.1	85.6	88.2	88.3	90.2	91.0	91.0	91.1	91.1	91.1	91.1
≥ 500	31.3	61.8	68.8	76.1	79.5	82.4	87.3	90.1	90.3	92.4	93.4	93.4	93.6	93.6	93.7	93.7
≥ 400	31.3	61.9	68.9	76.5	80.1	83.3	88.4	91.5	91.7	94.1	95.3	95.4	95.7	95.7	95.7	95.7
≥ 300	31.3	61.9	69.0	76.7	80.4	83.7	89.1	92.5	92.7	95.5	97.-	97.0	97.4	97.4	97.4	97.4
≥ 200	31.3	61.9	69.-	76.8	80.7	84.0	89.5	9-.1	93.4	96.4	98.1	98.1	98.7	98.7	98.9	98.9
≥ 100	31.3	61.9	69.-	76.8	80.7	84.0	89.5	93.2	93.4	96.5	98.3	98.3	99.1	99.2	99.5	99.6
≥ 0	31.3	61.9	69.0	76.8	80.7	84.0	89.5	93	93.4	96.5	98.3	98.3	99.1	99.3	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6557

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

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

CEILING VERSUS VISIBILITY

... STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2300 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	22.	30.2	31.	31.5	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 20000	23.5	32.6	33.4	33.9	33.9	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 18000	23.5	32.6	33.4	33.9	33.9	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 16000	23.5	32.6	33.4	33.9	33.9	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 14000	23.5	32.6	33.6	34.2	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 12000	24.3	33.4	34.2	34.7	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 10000	27.1	36.7	37.5	38.1	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 9000	27.1	37.2	38.1	38.6	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 8000	27.5	37.9	38.7	39.3	39.3	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 7000	28.3	39.1	39.9	40.5	40.5	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 6000	29.1	39.9	40.7	41.3	41.3	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 5000	31.1	43.1	43.9	44.5	44.5	44.5	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 4500	33.3	45.4	46.2	46.7	46.7	46.7	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 4000	35.1	48.5	49.3	50.2	50.3	50.3	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 3500	35.6	50.1	51.1	52.1	52.2	52.2	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 3000	37.4	53.7	55.1	56.6	57.1	57.1	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 2500	39.8	58.7	60.3	62.8	63.3	63.8	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 2000	42.9	65.2	67.4	70.0	70.9	71.6	72.4	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 1800	43.7	67.6	70.2	73.0	74.0	74.6	75.4	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 1500	44.2	69.4	72.5	75.7	76.6	77.3	78.8	79.0	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 1200	45.3	72.1	75.4	79.7	80.9	82.0	84.4	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1000	45.4	72.6	76.1	80.4	81.8	82.9	85.7	86.1	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 900	45.4	73.0	76.6	81.0	82.6	83.7	86.6	87.2	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 800	45.4	73.4	77.1	81.6	83.2	84.4	87.6	88.1	88.1	88.7	88.8	88.8	88.8	88.8	88.8	88.8
≥ 700	45.4	74.0	77.7	82.4	84.0	85.2	88.4	88.9	88.9	89.5	89.6	89.6	89.6	89.6	89.6	89.6
≥ 600	45.5	74.2	78.	82.6	84.4	85.6	88.8	89.3	89.3	89.9	90.1	90.1	90.1	90.1	90.1	90.1
≥ 500	45.5	74.9	78.9	83.6	85.4	86.6	89.9	90.4	90.4	91.3	91.7	91.7	91.7	91.7	91.7	91.7
≥ 400	45.5	75.0	79.6	84.6	86.9	88.1	91.6	92.3	92.4	93.3	93.9	93.9	93.9	93.9	94.1	94.1
≥ 300	45.5	75.3	80.1	85.2	87.7	88.9	92.5	93.2	93.3	94.5	95.5	95.5	95.5	95.5	95.7	95.7
≥ 200	45.5	75.3	80.1	85.2	87.9	89.2	92.9	93.9	94.0	95.3	96.4	96.4	96.5	96.5	96.8	96.8
≥ 100	45.5	75.3	80.1	85.2	87.9	89.2	92.9	93.9	94.1	95.9	97.5	97.5	98.0	98.0	98.4	98.5
≥ 0	45.5	75.3	80.1	85.2	87.9	89.2	92.9	93.9	94.1	95.9	97.5	97.5	98.0	98.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 749

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

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

CEILING VERSUS VISIBILITY

... YOUNGSTOWN MAP OH 73-31 FEB
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

... HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	17.6	24.9	26.4	26.9	27.3	27.4	27.8	27.8	27.8	27.8	27.8	27.8	28.0	28.1	28.1	28.1
≥ 20000	19.6	27.3	28.8	29.3	29.7	29.9	30.3	30.3	30.3	30.3	30.3	30.3	30.4	30.4	30.4	30.4
≥ 18000	19.6	27.3	28.8	29.3	29.7	29.9	30.3	30.3	30.3	30.3	30.3	30.3	30.4	30.4	30.4	30.4
≥ 16000	19.6	27.3	28.8	29.3	29.7	29.9	30.3	30.3	30.3	30.3	30.3	30.3	30.4	30.4	30.4	30.4
≥ 14000	19.6	27.3	28.8	29.3	29.7	29.9	30.3	30.3	30.3	30.3	30.3	30.3	30.4	30.4	30.4	30.4
≥ 12000	20.7	29.1	30.5	31.1	31.5	31.6	32.0	32.0	32.0	32.0	32.0	32.0	32.2	32.2	32.2	32.2
≥ 10000	22.7	31.6	33.2	33.9	34.3	34.5	34.9	34.9	34.9	34.9	34.9	34.9	35.0	35.0	35.0	35.0
≥ 9000	22.7	32.0	33.6	34.3	34.7	34.9	35.3	35.3	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4
≥ 8000	22.8	33.0	34.6	35.5	35.9	36.1	36.5	36.5	36.5	36.5	36.5	36.5	36.6	36.6	36.6	36.6
≥ 7000	23.9	34.3	35.9	36.9	37.3	37.4	37.8	37.8	37.8	37.8	37.8	37.8	38.0	38.1	38.1	38.1
≥ 6000	24.1	34.6	36.2	37.2	37.6	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.2	38.2	38.2	38.2
≥ 5000	25.9	38.8	41.5	41.5	42.0	42.2	42.6	42.6	42.6	42.6	42.6	42.6	42.7	42.7	42.7	42.7
≥ 4500	27.4	41.3	42.6	43.5	44.1	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.7	44.7	44.7	44.7
≥ 4000	28.9	43.5	45.3	46.5	47.0	47.2	47.6	47.7	47.7	47.7	47.7	47.7	47.8	47.8	47.8	47.8
≥ 3500	30.3	45.3	47.1	48.4	48.9	49.1	49.5	49.6	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.7
≥ 3000	32.7	50.1	52.4	54.2	54.7	54.9	55.3	55.7	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.8
≥ 2500	33.5	52.6	55.4	58.0	58.6	59.3	59.9	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4
≥ 2000	35.9	58.2	61.5	64.7	65.5	66.4	67.6	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2
≥ 1800	36.5	60.0	63.5	67.2	68.0	68.9	70.1	70.7	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8
≥ 1500	38.1	63.1	67.2	71.5	72.3	73.5	75.1	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8
≥ 1200	39.5	66.4	71.7	75.9	76.8	78.1	80.3	80.8	80.8	80.9	80.9	80.9	81.1	81.1	81.1	81.1
≥ 1000	39.7	68.1	72.8	78.8	79.9	81.2	83.4	84.2	84.3	84.5	84.5	84.5	84.6	84.6	84.6	84.6
≥ 900	39.9	69.2	74.3	80.9	82.0	83.4	85.5	86.4	86.6	86.8	86.8	86.8	86.9	86.9	86.9	86.9
≥ 800	40.0	69.6	74.7	81.4	82.4	83.8	85.9	86.8	87.0	87.4	87.4	87.4	87.6	87.6	87.6	87.6
≥ 700	40.1	70.4	75.5	82.2	83.2	84.6	86.8	88.0	88.4	88.9	88.9	88.9	89.1	89.1	89.1	89.1
≥ 600	40.3	70.9	76.1	82.8	84.1	85.4	87.6	88.8	89.2	89.7	89.7	89.7	89.9	89.9	89.9	89.9
≥ 500	40.0	71.5	77.0	83.8	85.0	86.4	89.1	90.7	91.1	91.8	91.8	91.8	91.9	91.9	91.9	91.9
≥ 400	40.0	71.8	77.3	84.3	85.8	87.3	90.1	91.9	92.3	93.4	93.4	93.4	93.5	93.5	93.5	93.5
≥ 300	40.0	71.9	77.4	84.6	86.4	87.8	91.2	93.1	93.5	95.1	95.1	95.1	95.3	95.3	95.3	95.3
≥ 200	40.0	71.9	77.4	84.6	86.4	87.8	91.5	93.4	93.9	95.9	96.1	96.1	96.2	96.2	96.2	96.2
≥ 100	40.0	71.9	77.4	84.6	86.4	87.8	91.5	93.5	94.1	96.4	96.6	96.6	96.9	97.0	97.2	97.4
≥ 0	40.0	71.9	77.4	84.6	86.4	87.8	91.5	93.5	94.1	96.4	96.6	96.6	96.9	97.0	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 742

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

...AL CLIMATOLOGY BRANCH
...TAC
...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...YOUNGSTOWN MAP OH — STATION NAME — 73-81 — YEARS — FEB — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

...627-2021 — HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	12.9	14.4	14.9	21.3	21.4	21.5	22.5	22.5	22.5	23.0	23.0	23.0	23.3	23.3	23.3	23.3
≥ 20000	16.2	21.1	23.1	24.4	24.5	24.6	25.6	25.6	25.6	26.1	26.1	26.1	26.4	26.4	26.4	26.5
≥ 18000	16.3	21.3	23.1	24.5	24.6	24.8	25.7	25.7	25.7	26.2	26.2	26.2	26.5	26.5	26.5	26.6
≥ 16000	16.3	21.3	23.1	24.5	24.6	24.8	25.7	25.7	25.7	26.2	26.2	26.2	26.5	26.5	26.5	26.6
≥ 14000	16.5	21.4	23.3	24.6	24.8	24.9	25.8	25.8	25.8	26.4	26.4	26.4	26.6	26.6	26.6	26.8
≥ 12000	16.7	22.2	24.2	25.6	25.7	25.8	26.8	26.6	26.8	27.3	27.3	27.3	27.6	27.6	27.6	27.7
≥ 10000	17.8	24.5	26.6	28.0	28.1	28.4	29.3	29.3	29.3	29.9	29.9	29.9	30.1	30.1	30.1	30.3
≥ 9000	17.8	24.8	26.9	28.3	28.4	28.7	29.6	29.6	29.6	30.1	30.1	30.1	30.4	30.4	30.4	30.6
≥ 8000	18.3	25.4	27.6	28.9	29.1	29.5	30.4	30.4	30.4	31.0	31.0	31.0	31.2	31.2	31.2	31.4
≥ 7000	19.0	27.1	29.3	30.7	30.8	31.2	32.2	32.2	32.2	32.7	32.7	32.7	33.0	33.0	33.0	33.1
≥ 6000	19.2	27.5	29.7	31.1	31.2	31.6	32.6	32.6	32.6	33.1	33.1	33.1	33.4	33.4	33.4	33.5
≥ 5000	21.1	30.4	32.7	34.2	34.3	34.7	35.7	35.7	35.7	36.2	36.2	36.2	36.5	36.5	36.5	36.6
≥ 4500	22.5	32.8	35.1	36.6	36.7	37.1	38.1	38.1	38.1	38.6	38.6	38.6	38.9	38.9	38.9	39.0
≥ 4000	24.5	35.9	38.5	40.2	40.8	41.3	42.4	42.4	42.4	42.9	42.9	42.9	43.2	43.2	43.2	43.3
≥ 3500	25.7	37.7	40.5	42.3	42.8	43.3	44.4	44.4	44.4	45.0	45.0	45.0	45.2	45.2	45.2	45.4
≥ 3000	28.7	42.3	45.4	47.2	47.9	48.7	49.9	50.1	50.1	50.6	50.6	50.6	50.9	50.9	50.9	51.0
≥ 2500	31.1	46.9	50.5	53.3	54.2	55.2	56.5	56.7	56.7	57.2	57.2	57.2	57.5	57.5	57.5	57.6
≥ 2000	33.0	50.7	55.0	58.1	59.4	60.7	62.0	62.7	62.7	63.7	63.7	63.7	63.9	63.9	63.9	64.1
≥ 1800	33.8	52.4	56.9	60.0	61.2	62.6	64.1	64.7	64.7	65.7	65.7	65.7	65.9	65.9	65.9	66.1
≥ 1500	35.3	56.0	61.0	64.2	65.4	66.9	68.9	69.7	69.7	70.8	70.8	70.8	71.1	71.1	71.1	71.2
≥ 1200	36.7	59.1	64.6	68.4	70.1	71.6	74.2	75.1	75.2	76.3	76.3	76.3	76.6	76.6	76.6	76.7
≥ 1000	36.7	60.3	66.5	71.5	73.5	75.2	78.2	79.4	79.5	81.0	81.0	81.0	81.3	81.3	81.3	81.4
≥ 900	36.7	61.6	67.1	72.5	74.7	76.7	79.7	80.9	[illegible].0	82.6	82.6	82.6	82.9	82.9	82.9	83.0
≥ 800	36.7	62.8	67.3	72.8	75.1	77.1	80.2	82.4	[illegible]2.5	84.3	84.3	84.3	84.5	84.5	84.5	84.7
≥ 700	36.7	61.8	68.4	73.9	76.2	78.6	82.0	84.4	84.5	86.3	86.3	86.3	86.5	86.5	86.5	86.7
≥ 600	36.7	62.0	68.8	74.6	77.1	79.7	83.2	85.7	85.9	87.8	87.8	87.8	88.0	88.0	88.0	88.2
≥ 500	36.7	62.2	69.0	74.8	77.4	80.1	83.7	86.4	86.5	88.6	88.6	88.6	89.1	89.1	89.1	89.2
≥ 400	36.9	62.6	69.7	75.8	76.9	81.7	85.3	88.3	88.4	90.6	90.8	90.8	91.4	91.4	91.4	91.5
≥ 300	36.9	62.7	69.9	76.3	79.5	82.4	86.3	89.2	89.4	91.7	91.9	91.9	92.5	92.5	92.5	92.7
≥ 200	36.9	62.7	69.9	76.3	79.7	82.5	86.8	90.2	90.3	93.3	93.7	93.7	94.3	94.3	94.5	95.2
≥ 100	36.9	62.7	69.9	76.3	79.7	82.5	86.8	90.4	90.6	93.7	94.5	94.5	95.8	95.8	96.9	98.3
≥ 0	36.9	62.7	69.9	76.3	79.7	82.5	86.8	90.4	90.6	93.7	94.5	94.5	95.8	95.8	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 743

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

L -AL CLIMATOLOGY BRANCH
-- TAC
A -EATH-R SERVICE/MAC

CEILING VERSUS VISIBILITY

-- STATION | YOUNGSTOWN 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	≥¼	≥0
NO CEILING	11.3	18.7	21.2	23.1	23.9	25.2	27.0	27.5	27.5	27.8	27.8	27.8	28.1	28.1	28.2	28.2
≥ 20000	15.5	23.5	26.2	28.5	29.3	30.7	32.4	33.0	33.0	33.2	33.2	33.2	33.5	33.5	33.6	33.6
≥ 18000	15.5	23.5	26.2	28.5	29.3	30.7	32.4	33.0	33.0	33.2	33.2	33.2	33.5	33.5	33.6	33.6
≥ 16000	15.5	23.5	26.2	28.5	29.3	30.7	32.4	33.0	33.0	33.2	33.2	33.2	33.5	33.5	33.6	33.6
≥ 14000	15.5	23.5	26.2	28.5	29.3	30.7	32.4	33.0	33.0	33.2	33.2	33.2	33.5	33.5	33.6	33.6
≥ 12000	16.7	25.1	28.3	30.4	31.2	32.7	34.5	35.0	35.0	35.3	35.3	35.3	35.5	35.5	35.7	35.7
≥ 10000	17.9	26.7	29.8	32.0	32.8	34.3	36.1	36.6	36.6	36.9	36.9	36.9	37.2	37.2	37.3	37.3
≥ 9000	18.6	27.7	30.5	33.0	33.9	35.3	37.0	37.6	37.6	37.9	37.9	37.9	38.1	38.1	38.3	38.3
≥ 8000	19.7	29.2	32.2	34.7	35.7	37.2	38.9	39.5	39.5	39.8	39.8	39.8	40.0	40.0	40.2	40.2
≥ 7000	20.8	30.5	33.6	36.2	37.2	38.7	40.4	41.0	41.0	41.2	41.2	41.2	41.5	41.5	41.7	41.7
≥ 6000	21.8	31.8	35.0	37.4	38.4	39.9	41.6	42.2	42.2	42.5	42.5	42.5	42.8	42.8	42.9	42.9
≥ 5000	21.7	32.2	35.3	37.9	38.8	40.3	42.1	42.6	42.6	42.9	42.9	42.9	43.1	43.1	43.3	43.3
≥ 4500	22.5	33.5	36.6	39.2	40.3	41.8	43.6	44.1	44.1	44.4	44.4	44.4	44.6	44.6	44.8	44.8
≥ 4000	23.0	35.5	39.8	41.4	42.5	44.1	45.9	46.4	46.4	46.7	46.7	46.7	46.9	46.9	47.1	47.1
≥ 3500	24.3	36.5	39.8	42.5	43.6	45.3	47.1	47.6	47.6	47.9	47.9	47.9	48.2	48.2	48.3	48.3
≥ 3000	25.9	38.3	42.6	45.3	46.5	48.6	50.3	50.9	50.9	51.3	51.3	51.3	51.6	51.6	51.7	51.7
≥ 2500	28.6	42.3	46.4	49.1	50.5	52.6	54.4	55.0	55.0	55.4	55.4	55.4	55.6	55.6	55.8	55.8
≥ 2000	31.2	46.5	51.6	55.4	57.0	59.4	61.6	62.8	62.8	63.2	63.2	63.2	63.5	63.5	63.6	63.6
≥ 1800	32.2	48.3	53.5	57.5	59.4	62.0	64.3	65.7	65.7	66.1	66.1	66.1	66.4	66.4	66.5	66.5
≥ 1500	33.6	51.0	57.1	61.7	64.3	67.0	70.0	72.2	72.2	73.0	73.0	73.0	73.3	73.3	73.4	73.4
≥ 1200	34.1	53.1	60.1	65.1	68.0	71.6	76.4	79.5	79.5	80.6	80.6	80.6	80.9	80.9	81.0	81.0
≥ 1000	34.5	54.0	61.3	67.0	70.0	73.9	79.2	83.7	83.7	85.1	85.2	85.2	85.5	85.5	85.6	85.6
≥ 900	34.6	54.5	62.0	68.2	71.4	75.8	81.3	85.8	85.8	87.2	87.4	87.4	87.8	87.8	87.9	87.9
≥ 800	34.9	54.8	62.4	68.9	72.0	76.7	82.6	87.7	87.8	89.3	89.4	89.4	89.8	89.8	90.0	90.0
≥ 700	34.9	55.0	62.6	69.3	72.7	77.7	83.9	89.3	89.4	90.9	91.5	91.5	91.9	91.9	92.0	92.0
≥ 600	34.9	55.0	62.6	69.3	72.7	78.0	84.4	90.4	90.5	92.4	93.1	93.1	93.5	93.5	93.6	93.6
≥ 500	34.9	55.1	62.7	69.5	72.9	78.3	84.8	90.9	91.0	92.9	93.6	93.6	94.0	94.0	94.2	94.2
≥ 400	34.9	55.1	62.7	69.5	72.9	78.3	85.1	91.3	91.5	93.9	94.6	94.6	95.0	95.0	95.1	95.1
≥ 300	34.9	55.1	62.7	69.5	72.9	78.4	85.2	91.6	91.7	94.4	95.4	95.4	95.8	95.8	95.9	95.9
≥ 200	34.9	55.1	62.7	69.5	72.9	78.4	85.2	91.7	91.9	94.8	96.1	96.1	96.6	96.6	96.9	97.0
≥ 100	34.9	55.1	62.7	69.5	72.9	78.4	85.2	91.7	91.9	95.0	96.3	96.6	97.6	97.6	98.5	99.7
≥ 0	34.9	55.1	62.7	69.5	72.9	78.4	85.2	91.7	91.9	95.0	96.3	96.6	97.6	97.6	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 737

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

AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] YOUNGSTOWN MAP CH (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	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	19.4	21.6	23.1	23.7	24.0	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3	24.3
≥ 20000	20.3	28.3	30.3	31.1	31.5	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 18000	20.2	28.3	30.3	31.1	31.5	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 16000	20.2	28.3	30.3	31.1	31.5	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 14000	20.2	28.3	30.3	31.1	31.5	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
≥ 12000	21.7	30.0	32.2	33.0	33.4	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 10000	23.1	32.0	34.3	35.1	35.5	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 9000	23.3	32.3	34.6	35.4	35.8	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 8000	24.5	33.6	36.1	36.9	37.3	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 7000	24.9	34.0	36.5	37.3	37.7	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 6000	24.9	34.0	36.5	37.3	37.7	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 5000	25.5	34.9	37.3	38.1	38.5	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 4500	25.7	35.4	37.9	38.7	39.1	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 4000	26.5	36.5	39.1	39.8	40.2	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 3500	27.5	37.7	40.2	41.0	41.4	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 3000	29.5	40.8	43.4	44.5	44.9	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 2500	35.0	47.5	50.9	52.1	52.8	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 2000	40.5	56.7	61.0	63.3	64.1	64.9	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 1800	42.4	60.7	65.1	67.8	68.8	69.8	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 1500	43.4	63.5	68.5	72.0	73.2	75.2	76.3	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 1200	44.4	65.5	71.3	75.5	77.3	79.8	81.2	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1000	44.8	66.6	72.9	77.3	79.4	81.9	83.5	87.0	87.0	88.1	88.2	88.2	88.2	88.2	88.2	88.2
≥ 900	45.4	67.3	73.7	78.3	80.6	83.4	85.4	89.0	89.0	90.1	90.2	90.2	90.2	90.2	90.2	90.2
≥ 800	45.4	67.6	74.1	78.7	81.0	83.8	85.8	89.4	89.4	90.9	91.4	91.4	91.4	91.4	91.4	91.4
≥ 700	45.6	67.8	74.4	79.1	81.6	84.9	87.1	90.9	90.9	92.5	93.0	93.0	93.0	93.0	93.0	93.0
≥ 600	45.6	67.8	74.4	79.1	81.6	84.9	87.5	91.7	91.7	93.3	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	45.6	67.8	74.4	79.2	81.8	85.1	87.9	92.2	92.2	94.4	95.8	95.8	96.0	96.0	96.0	96.0
≥ 400	45.6	67.8	74.4	79.2	81.9	85.4	88.2	92.8	92.8	95.3	96.9	96.9	97.1	97.1	97.1	97.1
≥ 300	45.6	67.8	74.4	79.2	81.9	85.4	88.2	92.8	92.8	95.4	97.3	97.3	97.7	97.7	97.7	97.7
≥ 200	45.6	67.8	74.4	79.2	81.9	85.4	88.2	92.8	92.8	95.8	97.9	97.9	98.4	98.4	98.8	98.8
≥ 100	45.6	67.8	74.4	79.2	81.9	85.4	88.2	92.8	92.8	95.8	98.0	98.3	99.1	99.1	99.5	99.7
≥ 0	45.6	67.8	74.4	79.2	81.9	85.4	88.2	92.8	92.8	95.8	98.0	98.3	99.2	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 746

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

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

... 23 STATION | YOUNGSTOWN 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	21.2	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
≥ 20000	26.4	33.0	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
≥ 18000	26.4	33.0	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
≥ 16000	26.4	33.0	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
≥ 14000	26.8	33.6	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
≥ 12000	28.2	35.3	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 10000	30.1	37.9	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 9000	30.2	38.1	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥ 8000	31.2	39.0	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	40.7
≥ 7000	31.6	39.5	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 6000	31.6	39.8	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 5000	32.5	41.2	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 4500	32.5	41.1	42.7	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 4000	34.5	43.1	44.7	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 3500	35.4	44.2	45.8	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 3000	37.8	47.3	49.1	49.7	49.8	49.8	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 2500	43.5	54.5	56.6	57.1	57.3	57.4	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 2000	49.5	63.4	67.0	68.3	69.2	69.9	71.4	71.5	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 1800	50.9	66.2	69.8	71.8	72.7	73.5	75.1	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 1500	52.1	68.4	72.3	74.3	75.5	76.4	78.7	79.1	79.1	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 1200	52.3	69.2	73.5	76.2	77.4	78.7	81.8	83.0	83.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1000	52.5	69.6	73.9	76.7	78.3	79.8	83.2	85.1	85.1	86.6	86.6	86.6	86.7	86.7	86.7	86.7
≥ 900	52.7	70.3	74.6	77.5	79.1	80.6	84.2	86.3	86.3	88.1	88.4	88.4	88.5	88.5	88.5	88.5
≥ 800	52.7	70.4	74.7	77.6	79.2	81.0	84.7	87.0	87.0	88.8	89.9	89.9	90.0	90.0	90.0	90.0
≥ 700	52.7	70.4	74.7	77.9	79.6	81.4	85.1	87.5	87.5	89.5	90.8	90.8	90.9	90.9	90.9	90.9
≥ 600	52.7	70.4	74.7	78.0	79.8	81.6	85.6	88.3	88.3	90.4	92.0	92.0	92.3	92.3	92.4	92.4
≥ 500	52.7	70.4	74.7	78.0	79.8	81.9	86.4	89.6	89.6	91.7	94.0	94.0	94.4	94.4	94.5	94.5
≥ 400	52.7	70.4	74.7	78.0	80.0	82.3	87.0	90.8	90.9	93.2	96.1	96.1	96.7	96.7	97.1	97.2
≥ 300	52.7	70.4	74.7	78.0	80.0	82.3	87.0	90.8	90.9	93.6	96.8	96.8	97.7	97.7	98.1	98.3
≥ 200	52.7	70.4	74.7	78.0	80.0	82.3	87.0	90.8	90.9	94.3	97.6	97.6	98.7	98.7	99.6	99.7
≥ 100	52.7	70.4	74.7	78.0	80.0	82.3	87.0	90.8	90.9	94.3	97.6	97.6	98.7	98.7	99.6	99.7
≥ 0	52.7	70.4	74.7	78.0	80.0	82.3	87.0	90.8	90.9	94.3	97.6	97.6	98.7	98.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 751

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

[redacted] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | FEB 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	24.9	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 20000	29.7	35.6	36.4	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
≥ 18000	29.7	35.6	36.4	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
≥ 16000	29.7	35.6	36.4	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	29.7	35.6	36.4	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	30.7	37.1	37.9	37.9	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 10000	32.7	39.8	40.6	40.6	40.8	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 9000	32.8	39.9	40.7	40.7	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 8000	34.1	41.4	42.3	42.4	42.7	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 7000	34.7	42.3	43.2	43.4	43.6	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 6000	34.7	42.4	43.3	43.6	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 5000	36.4	44.6	45.8	45.9	46.2	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 4500	37.1	45.9	47.1	47.3	47.5	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 4000	38.7	48.1	49.5	49.7	49.9	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 3500	39.4	48.9	50.5	50.6	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 3000	41.6	53.1	54.9	55.2	55.4	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 2500	45.5	58.4	60.5	60.8	61.3	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 2000	50.6	66.7	69.6	70.5	71.5	72.2	72.8	73.2	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 1800	51.8	68.8	71.8	73.4	74.7	75.4	76.0	76.4	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1500	52.9	70.7	74.2	76.6	78.0	79.0	80.3	81.0	81.0	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1200	53.7	71.8	75.5	78.3	79.9	81.1	83.0	84.2	84.2	84.5	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1000	53.8	72.0	75.9	78.8	80.5	82.2	84.1	85.4	85.4	86.2	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900	53.8	72.3	76.3	79.5	81.3	83.3	85.1	86.6	86.6	87.4	87.8	87.8	87.8	87.8	87.8	87.8
≥ 800	53.8	72.6	76.6	80.1	81.8	84.2	86.3	88.1	88.1	88.9	89.6	89.6	89.6	89.6	89.6	89.6
≥ 700	53.8	72.8	77.0	80.5	82.3	84.9	87.4	89.4	89.4	90.2	91.0	91.0	91.0	91.0	91.0	91.0
≥ 600	53.8	72.8	77.0	80.5	82.6	85.4	88.1	90.5	90.5	91.3	92.4	92.4	92.5	92.5	92.5	92.5
≥ 500	53.8	72.8	77.1	80.7	83.0	85.9	88.8	91.8	91.8	92.9	94.2	94.2	94.5	94.5	94.5	94.5
≥ 400	53.8	72.8	77.1	80.7	83.0	86.1	89.3	92.8	92.8	94.0	95.4	95.4	95.9	96.0	96.1	96.1
≥ 300	53.8	72.8	77.1	80.7	83.0	86.5	89.8	93.6	93.6	95.4	97.2	97.2	98.0	98.1	98.4	98.4
≥ 200	53.8	72.8	77.1	80.9	83.3	86.7	90.1	93.8	94.0	96.0	97.7	97.7	98.7	98.8	99.2	99.2
≥ 100	53.8	72.8	77.1	80.9	83.3	86.7	90.1	93.8	94.1	96.3	98.0	98.0	98.9	99.1	99.5	99.6
≥ 0	53.8	72.8	77.1	80.9	83.3	86.7	90.1	93.8	94.1	96.3	98.0	98.0	98.9	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 747

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725 STATION | YOUNGSTOWN 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	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	25.5	31.5	31.9	31.9	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	28.4	36.1	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 18000	28.6	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 16000	28.6	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 14000	28.6	36.2	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 12000	28.8	36.5	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 10000	31.5	39.3	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 9000	31.5	39.5	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	40.2
≥ 8000	32.7	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 7000	33.8	43.0	43.8	43.8	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	34.2	43.4	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 5000	35.7	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	46.2
≥ 4500	36.3	46.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 4000	38.2	49.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 3500	38.9	51.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 3000	40.2	55.8	57.2	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 2500	43.2	59.5	61.3	61.9	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 2000	46.8	66.4	69.3	70.5	70.8	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 1800	48.4	69.3	72.3	74.7	75.2	75.5	75.7	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 1500	49.7	7[illegible].1	75.6	78.2	79.0	79.2	79.8	79.9	79.9	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1200	50.5	74.1	77.7	80.8	81.6	81.9	82.4	82.6	82.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1000	50.8	75.1	78.7	82.2	83.1	83.5	84.3	84.5	84.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 900	50.8	75.3	79.2	82.8	83.8	84.6	85.5	85.7	85.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 800	50.8	76.1	80.0	83.8	85.0	85.9	87.1	87.3	87.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 700	50.9	76.7	80.8	84.6	85.8	86.7	88.2	88.5	88.5	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 600	50.9	76.8	81.1	85.1	86.3	87.5	89.1	89.5	89.5	91.6	91.6	91.6	91.7	91.7	91.7	91.7
≥ 500	50.9	76.9	81.5	85.8	87.1	88.5	90.2	90.6	90.6	92.6	92.6	92.6	92.8	92.8	92.8	92.8
≥ 400	50.9	77.2	82.0	86.7	88.1	89.5	91.6	92.0	92.0	94.1	94.2	94.2	94.4	94.4	94.6	94.6
≥ 300	50.9	77.2	82.2	87.3	88.6	90.3	92.9	93.3	93.3	95.8	96.2	96.2	96.8	96.8	97.1	97.1
≥ 200	50.9	77.2	82.2	87.4	88.9	90.6	93.2	93.8	93.8	96.4	97.3	97.3	98.3	98.3	98.9	98.9
≥ 100	50.9	77.2	82.2	87.4	88.9	90.6	93.2	93.8	93.8	96.4	97.5	97.5	98.4	98.4	99.1	99.2
≥ 0	50.9	77.2	82.2	87.4	88.9	90.6	93.2	93.8	93.8	96.4	97.5	97.5	98.4	98.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 786

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	0
NO CEILING	19.9	25.1	26.2	26.8	27.0	27.3	27.7	27.7	27.7	27.8	27.8	27.8	27.9	27.9	27.9	27.9
≥ 20000	22.3	29.7	31.1	31.8	32.1	32.3	32.8	32.8	32.8	32.9	32.9	32.9	33.0	33.0	33.0	33.0
≥ 18000	22.4	29.7	31.2	31.9	32.1	32.4	32.8	32.9	32.9	33.0	33.0	33.0	33.0	33.0	33.1	33.1
≥ 16000	22.4	29.7	31.2	31.9	32.1	32.4	32.8	32.9	32.9	33.0	33.0	33.0	33.0	33.0	33.1	33.1
≥ 14000	22.5	29.9	31.3	32.0	32.2	32.5	32.9	33.0	33.0	33.1	33.1	33.1	33.2	33.2	33.2	33.2
≥ 12000	23.4	31.1	32.6	33.3	33.5	33.8	34.3	34.3	34.3	34.4	34.4	34.4	34.5	34.5	34.5	34.5
≥ 10000	25.4	33.6	35.2	35.9	36.1	36.5	36.9	37.0	37.0	37.1	37.1	37.1	37.1	37.1	37.2	37.2
≥ 9000	25.5	34.0	35.5	36.3	36.5	36.8	37.3	37.3	37.3	37.4	37.4	37.4	37.5	37.5	37.5	37.5
≥ 8000	26.4	35.2	36.8	37.6	37.9	38.2	38.6	38.7	38.7	38.8	38.8	38.8	38.9	38.9	38.9	38.9
≥ 7000	27.1	36.3	37.9	38.8	39.0	39.4	39.8	39.9	39.9	40.0	40.0	40.0	40.1	40.1	40.1	40.1
≥ 6000	27.3	36.6	38.3	39.1	39.4	39.7	40.2	40.2	40.2	40.3	40.3	40.3	40.4	40.4	40.4	40.4
≥ 5000	28.7	38.8	40.6	41.4	41.7	42.0	42.5	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.8	42.8
≥ 4500	29.7	40.2	42.0	42.8	43.1	43.5	44.0	44.0	44.0	44.1	44.1	44.1	44.2	44.2	44.2	44.2
≥ 4000	31.3	42.6	44.5	45.5	45.9	46.3	46.8	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.1	47.1
≥ 3500	32.2	44.0	45.9	47.0	47.3	47.7	48.2	48.3	48.3	48.4	48.4	48.4	48.5	48.5	48.5	48.5
≥ 3000	34.3	47.7	50.0	51.3	51.8	52.2	52.8	52.9	52.9	53.1	53.1	53.1	53.1	53.1	53.2	53.2
≥ 2500	37.6	52.6	55.3	56.9	57.5	58.2	58.9	59.1	59.1	59.2	59.2	59.2	59.3	59.3	59.3	59.3
≥ 2000	41.3	59.3	62.8	65.1	66.1	67.0	68.1	68.5	68.5	68.7	68.7	68.7	68.8	68.8	68.8	68.9
≥ 1800	42.5	61.7	65.4	68.2	69.3	70.3	71.4	71.9	71.9	72.2	72.2	72.2	72.3	72.3	72.3	72.3
≥ 1500	43.7	64.3	68.6	71.8	73.1	74.3	76.0	76.7	76.7	77.2	77.2	77.2	77.3	77.3	77.3	77.3
≥ 1200	44.6	66.4	71.1	75.0	76.5	78.1	80.5	81.8	81.8	82.4	82.4	82.4	82.5	82.5	82.5	82.5
≥ 1000	44.9	67.3	72.3	76.6	78.3	80.1	82.7	84.4	84.5	85.5	85.5	85.5	85.6	85.6	85.7	85.7
≥ 900	45.0	67.8	73.0	77.6	79.4	81.4	84.2	86.0	86.0	87.1	87.2	87.2	87.4	87.4	87.4	87.4
≥ 800	45.0	68.2	73.4	78.1	80.0	82.1	85.0	87.1	87.1	88.4	88.7	88.7	88.8	88.8	88.9	88.9
≥ 700	45.0	68.6	73.9	78.7	80.7	83.0	86.1	88.4	88.4	89.8	90.2	90.2	90.3	90.3	90.3	90.3
≥ 600	45.1	68.8	74.1	79.0	81.1	83.5	86.8	89.3	89.4	90.8	91.4	91.4	91.5	91.5	91.6	91.6
≥ 500	45.1	69.0	74.4	79.4	81.6	84.1	87.6	90.3	90.4	92.0	92.8	92.8	93.1	93.1	93.1	93.1
≥ 400	45.1	69.1	74.7	79.9	82.2	84.8	88.5	91.5	91.6	93.5	94.4	94.4	94.7	94.7	94.9	94.9
≥ 300	45.1	69.2	74.8	80.1	82.5	85.3	89.1	92.2	92.3	94.5	95.7	95.7	96.2	96.2	96.3	96.4
≥ 200	45.1	69.2	74.8	80.1	82.6	85.4	89.4	92.5	92.7	95.2	96.6	96.6	97.2	97.2	97.6	97.7
≥ 100	45.1	69.2	74.8	80.1	82.6	85.4	89.4	92.6	92.8	95.5	97.0	97.1	97.9	98.0	98.6	99.0
≥ 0	45.1	69.2	74.8	80.1	82.6	85.4	89.4	92.6	92.8	95.5	97.0	97.1	97.9	98.0	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 5959

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

L AL CLIMATOLOGY BRANCH
TAC
ATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

YOUNGSTOWN MAP OH (STATION / 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	27.6	32.5	33.3	35.5	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 20000	29.2	35.5	36.2	36.4	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 18000	29.2	35.5	36.2	36.4	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 16000	29.2	35.5	36.2	36.4	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 14000	29.7	36.7	36.7	36.9	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 12000	29.9	36.4	37.3	37.5	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 10000	32.5	40.1	41.1	41.3	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 9000	32.5	40.1	41.1	41.3	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 8000	34.6	43.1	44.0	44.3	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 7000	36.0	44.5	45.5	45.9	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 6000	36.2	44.9	45.9	46.3	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 5000	40.1	50.4	51.5	51.9	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 4500	40.3	52.6	53.7	54.1	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.6	54.8	54.8
≥ 4000	43.4	56.7	57.8	58.3	58.9	59.1	59.1	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 3500	45.2	59.1	60.6	61.2	62.0	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 3000	48.3	63.4	64.9	65.9	66.7	67.1	67.2	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 2500	51.0	67.7	69.6	70.8	72.0	72.4	72.6	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 2000	53.5	72.3	74.4	76.3	77.8	78.3	78.5	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	54.2	73.9	76.1	78.0	79.6	80.4	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	55.7	76.1	78.5	80.6	82.5	83.2	83.4	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1200	56.1	77.2	79.8	81.8	83.8	84.7	85.0	85.0	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1000	56.4	77.7	80.5	82.7	84.7	85.5	86.0	86.1	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 900	56.6	78.2	81.3	84.0	86.1	87.0	87.5	87.6	87.7	88.1	88.2	88.2	88.2	88.2	88.2	88.2
≥ 800	56.7	78.7	82.1	85.0	87.2	88.2	88.7	88.8	89.0	89.3	89.4	89.4	89.4	89.4	89.4	89.4
≥ 700	56.8	79.3	82.9	86.4	88.6	89.6	90.1	90.2	90.3	90.7	90.9	90.9	90.9	90.9	90.9	90.9
≥ 600	56.8	79.5	83.2	87.1	89.7	90.7	91.2	91.3	91.4	91.8	92.0	92.0	92.1	92.1	92.1	92.1
≥ 500	56.8	79.6	83.4	87.9	90.6	91.7	92.1	92.4	92.5	92.9	93.1	93.1	93.3	93.3	93.3	93.3
≥ 400	56.9	79.8	84.0	88.6	91.4	92.8	93.3	93.6	93.7	94.5	94.8	94.8	95.0	95.0	95.1	95.1
≥ 300	56.9	79.8	84.0	89.0	91.9	93.5	94.0	94.5	94.7	95.8	96.4	96.4	96.6	96.6	96.7	96.7
≥ 200	56.9	79.8	84.0	89.2	92.3	94.0	94.6	95.2	95.5	96.8	97.7	97.8	97.9	97.9	98.0	98.0
≥ 100	56.9	79.8	84.0	89.2	92.3	94.0	94.7	95.3	95.8	97.2	98.2	98.3	98.5	98.8	98.9	99.3
≥ 0	56.9	79.8	84.0	89.2	92.3	94.0	94.7	95.3	95.8	97.2	98.2	98.3	98.8	99.1	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 815

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

...BAL CLIMATOLOGY BRANCH
...FETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

25 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAP MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2300-0500 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅝	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	24.6	28.9	29.6	30.4	30.5	30.5	30.8	30.8	30.8	30.9	31.0	31.0	31.2	31.2	31.2	31.2
≥ 20000	27.3	32.2	33.2	34.2	34.3	34.4	34.7	34.7	34.7	34.8	34.9	34.9	35.0	35.0	35.0	35.0
≥ 18000	27.3	32.2	33.2	34.2	34.3	34.4	34.7	34.7	34.7	34.8	34.9	34.9	35.0	35.0	35.0	35.0
≥ 16000	27.3	32.2	33.2	34.2	34.3	34.4	34.7	34.7	34.7	34.8	34.9	34.9	35.0	35.0	35.0	35.0
≥ 14000	27.4	32.3	33.3	34.3	34.4	34.5	34.8	34.8	34.8	34.9	35.0	35.0	35.2	35.2	35.2	35.2
≥ 12000	27.7	33.0	34.0	35.0	35.2	35.3	35.5	35.5	35.5	35.7	35.8	35.8	35.9	35.9	35.9	35.9
≥ 10000	28.7	34.4	35.8	36.8	36.9	37.0	37.3	37.3	37.3	37.4	37.5	37.5	37.7	37.7	37.7	37.7
≥ 9000	29.1	34.9	36.3	37.3	37.4	37.5	37.8	37.8	37.8	37.9	38.0	38.0	38.2	38.2	38.2	38.2
≥ 8000	31.4	37.5	38.9	39.9	40.0	40.1	40.4	40.4	40.4	40.5	40.6	40.6	40.8	40.8	40.8	40.8
≥ 7000	32.8	39.9	41.3	42.3	42.4	42.5	42.8	42.8	42.8	42.9	43.0	43.0	43.1	43.1	43.1	43.1
≥ 6000	32.9	40.1	41.5	42.6	42.8	42.9	43.1	43.1	43.1	43.3	43.4	43.4	43.5	43.5	43.5	43.5
≥ 5000	34.9	43.5	45.0	46.1	46.3	46.4	46.6	46.6	46.6	46.8	46.9	46.9	47.0	47.0	47.0	47.0
≥ 4500	35.5	45.1	47.0	48.1	48.3	48.5	48.8	48.8	48.8	48.9	49.0	49.0	49.1	49.1	49.1	49.1
≥ 4000	37.5	48.3	50.2	51.6	52.0	52.2	52.5	52.5	52.5	52.6	52.7	52.7	52.9	52.9	52.9	52.9
≥ 3500	38.8	51.1	53.5	55.0	55.4	55.6	56.0	56.0	56.0	56.1	56.2	56.2	56.4	56.4	56.4	56.4
≥ 3000	40.0	54.1	56.9	58.9	59.2	59.5	59.9	59.9	59.9	60.0	60.1	60.1	60.2	60.2	60.2	60.2
≥ 2500	43.1	60.1	63.1	65.2	65.6	66.1	66.5	66.5	66.5	66.6	66.7	66.7	66.8	66.8	66.8	66.8
≥ 2000	45.4	65.0	69.5	72.8	73.3	73.8	74.2	74.2	74.2	74.3	74.4	74.4	74.6	74.6	74.6	74.6
≥ 1800	46.0	66.8	71.6	74.9	75.4	75.9	76.3	76.3	76.3	76.4	76.6	76.6	76.7	76.7	76.7	76.7
≥ 1500	47.4	69.2	74.1	77.9	78.8	79.4	79.8	79.9	79.9	80.0	80.2	80.2	80.3	80.3	80.3	80.3
≥ 1200	49.0	72.4	77.3	81.8	82.8	83.5	84.0	84.3	84.3	84.4	84.5	84.5	84.7	84.7	84.7	84.7
≥ 1000	49.3	73.1	78.2	82.9	83.9	84.7	85.3	85.8	85.8	86.0	86.2	86.2	86.3	86.3	86.3	86.3
≥ 900	49.4	73.6	79.1	84.2	85.3	86.0	86.8	87.3	87.3	87.5	87.7	87.7	87.8	87.8	87.8	87.8
≥ 800	49.4	73.6	79.1	84.4	85.8	86.5	87.3	87.8	87.8	88.0	88.3	88.3	88.4	88.4	88.4	88.4
≥ 700	49.5	74.3	80.2	85.8	87.5	88.3	89.0	89.5	89.5	89.8	90.0	90.0	90.3	90.3	90.3	90.3
≥ 600	49.5	74.6	80.4	86.3	88.3	89.3	90.0	90.5	90.5	90.8	91.0	91.0	91.3	91.3	91.3	91.3
≥ 500	49.5	74.8	81.0	87.2	89.7	90.6	91.5	92.0	92.1	92.4	92.6	92.6	92.9	92.9	92.9	92.9
≥ 400	49.5	74.9	81.5	88.0	90.9	91.9	92.8	93.3	93.6	94.4	94.6	94.6	94.9	94.9	94.9	94.9
≥ 300	49.5	75.3	81.9	88.5	92.3	93.3	94.4	95.1	95.6	96.5	96.8	96.8	97.0	97.0	97.0	97.0
≥ 200	49.5	75.3	81.9	88.5	92.3	93.3	94.5	95.3	95.8	96.6	97.0	97.0	97.5	97.5	97.5	97.5
≥ 100	49.5	75.3	81.9	88.5	92.3	93.3	94.5	95.5	96.0	96.9	97.9	97.9	98.5	98.6	98.8	99.1
≥ 0	49.5	75.3	81.9	88.5	92.3	93.3	94.5	95.5	96.0	96.9	97.9	97.9	98.9	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 802

USAF ETAC FORM NO. 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] STATION | YOUNGSTOWN 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	23.3	24.8	26.5	27.2	27.5	27.7	28.1	28.1	28.1	28.2	28.4	28.4	28.6	28.7	28.9	29.3
≥ 20000	23.8	28.6	30.7	31.7	32.1	32.4	32.9	32.9	32.9	33.0	33.3	33.3	33.4	33.5	33.8	33.9
≥ 18000	23.9	28.7	30.9	31.8	32.2	32.6	33.0	33.0	33.0	33.2	33.4	33.4	33.5	33.7	33.9	34.0
≥ 16000	23.9	28.7	30.9	31.8	32.2	32.6	33.0	33.0	33.0	33.2	33.4	33.4	33.5	33.7	33.9	34.0
≥ 14000	23.9	28.7	30.9	31.8	32.2	32.6	33.0	33.0	33.0	33.2	33.4	33.4	33.5	33.7	33.9	34.0
≥ 12000	24.5	29.5	31.7	32.7	33.0	33.4	33.9	33.9	33.9	34.0	34.3	34.3	34.4	34.5	34.8	34.9
≥ 10000	25.9	31.1	33.4	34.4	34.8	35.1	35.6	35.6	35.6	35.7	36.0	36.0	36.1	36.2	36.5	36.6
≥ 9000	26.1	31.3	33.7	34.6	35.0	35.4	35.8	35.8	35.8	36.0	36.2	36.2	36.3	36.5	36.7	36.8
≥ 8000	27.7	33.5	35.8	36.9	37.4	37.8	38.3	38.3	38.3	38.4	38.6	38.6	38.8	38.9	39.1	39.2
≥ 7000	28.3	35.2	37.5	38.6	39.1	39.5	40.0	40.0	40.0	40.1	40.3	40.3	40.5	40.6	40.8	40.9
≥ 6000	28.9	35.8	38.2	39.2	39.7	40.1	40.6	40.6	40.6	40.7	40.9	40.9	41.1	41.2	41.4	41.6
≥ 5000	30.1	36.6	41.3	42.4	42.9	43.4	43.9	43.9	43.9	44.0	44.2	44.2	44.3	44.5	44.7	44.8
≥ 4500	31.1	41.3	43.3	44.5	45.1	45.6	46.1	46.1	46.1	46.2	46.4	46.4	46.5	46.7	46.9	47.0
≥ 4000	32.4	42.2	45.3	46.9	47.6	48.1	48.6	48.7	48.7	48.8	49.1	49.1	49.2	49.3	49.6	49.7
≥ 3500	34.3	45.7	49.1	50.8	51.5	52.0	52.6	52.7	52.7	52.9	53.2	53.2	53.3	53.5	53.7	53.8
≥ 3000	36.9	49.5	53.2	55.2	55.9	56.6	57.2	57.4	57.4	57.5	57.8	57.8	58.0	58.1	58.3	58.4
≥ 2500	39.7	53.7	57.5	60.3	61.0	62.0	62.8	62.9	62.9	63.1	63.4	63.4	63.5	63.7	63.9	64.0
≥ 2000	42.5	58.9	62.9	66.1	66.8	67.8	68.7	68.9	68.9	69.0	69.4	69.4	69.6	69.7	70.0	70.1
≥ 1800	43.6	60.5	64.9	68.2	68.9	70.0	70.8	71.3	71.3	71.4	71.8	71.8	72.1	72.2	72.4	72.5
≥ 1500	44.5	62.2	66.8	70.5	71.6	72.9	73.9	74.5	74.5	74.6	75.0	75.0	75.2	75.3	75.6	75.7
≥ 1200	45.7	65.0	70.7	74.7	76.1	77.8	79.0	80.0	80.0	80.2	80.6	80.6	80.8	80.9	81.2	81.3
≥ 1000	46.1	66.5	72.5	76.8	78.3	80.1	81.3	82.4	82.4	82.7	83.1	83.1	83.4	83.5	83.7	83.8
≥ 900	46.2	66.8	73.0	77.5	79.2	81.4	82.6	83.7	83.7	84.2	84.6	84.6	84.8	84.9	85.2	85.3
≥ 800	46.5	67.2	73.5	78.3	80.0	82.3	83.6	84.8	84.8	85.4	85.8	85.8	86.0	86.1	86.4	86.5
≥ 700	46.5	68.0	74.5	79.6	81.3	84.0	85.5	86.8	86.5	87.6	88.0	88.1	88.5	88.6	88.8	88.9
≥ 600	46.7	68.3	74.8	80.2	82.0	84.9	87.1	88.6	88.6	89.7	90.2	90.3	90.6	90.8	91.0	91.1
≥ 500	46.7	68.8	75.7	81.5	83.5	86.6	89.1	90.6	90.8	92.0	92.7	92.8	93.6	93.7	94.0	94.2
≥ 400	46.7	68.8	75.7	81.8	84.1	87.6	90.2	92.2	92.3	93.8	94.5	94.7	95.5	95.6	96.0	96.1
≥ 300	46.7	68.8	75.7	81.9	84.3	87.8	90.5	92.6	92.7	94.2	95.0	95.1	96.1	96.2	96.6	96.7
≥ 200	46.7	68.8	75.7	82.0	84.4	88.1	91.0	93.2	93.3	95.0	96.4	96.5	97.4	97.6	98.2	98.3
≥ 100	46.7	68.8	75.7	82.0	84.4	88.1	91.0	93.2	93.3	95.0	96.4	96.5	98.1	98.4	99.3	99.6
≥ 0	46.7	68.8	75.7	82.0	84.4	88.1	91.0	93.2	93.3	95.0	96.4	96.5	98.1	98.4	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 823

USAF ETAC FORM NOV 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] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥⅞	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	21.1	24.1	24.9	25.9	26.2	26.4	26.8	26.8	26.8	27.2	27.2	27.2	27.2	27.2	27.2	27.2
≥ 20000	25.1	29.9	31.8	32.0	32.6	33.2	33.6	33.6	33.6	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 18000	25.1	29.9	31.8	32.0	32.6	33.2	33.6	33.6	33.6	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 16000	25.1	29.9	31.8	32.0	32.6	33.2	33.6	33.6	33.6	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 14000	25.2	30.7	31.6	32.8	33.5	34.1	34.4	34.4	34.4	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 12000	26.3	31.9	32.6	34.1	34.8	35.4	35.8	35.8	35.8	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 10000	27.5	33.9	34.9	36.1	36.8	37.5	37.8	37.8	37.8	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 9000	27.5	34.2	35.2	36.4	37.1	37.7	38.1	38.1	38.1	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 8000	29.3	36.8	37.8	39.0	39.9	40.6	41.0	41.0	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 7000	29.6	37.5	38.4	39.6	40.5	41.2	41.6	41.6	41.6	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 6000	29.8	37.8	38.8	40.0	40.8	41.6	41.9	41.9	41.9	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 5000	31.3	39.2	40.1	41.6	42.5	43.3	43.6	43.6	43.6	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 4500	31.4	40.7	41.7	43.2	44.1	44.8	45.5	45.5	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 4000	32.8	42.9	43.9	45.6	46.5	47.3	47.9	47.9	47.9	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 3500	35.2	45.9	47.0	49.0	49.9	50.8	51.4	51.4	51.4	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 3000	37.0	48.5	50.3	52.6	53.6	54.5	55.4	55.4	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 2500	40.5	53.0	55.0	57.5	58.4	59.8	61.1	61.1	61.1	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 2000	45.9	59.6	61.9	65.0	66.3	67.8	69.1	69.2	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 1800	47.5	62.1	64.6	67.6	69.0	70.4	71.8	71.9	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 1500	49.2	65.3	68.2	71.6	73.0	74.8	76.4	76.7	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1200	51.4	68.2	71.4	75.2	76.8	79.2	81.2	81.8	81.8	82.4	82.5	82.5	82.5	82.5	82.5	82.5
≥ 1000	51.9	68.8	72.2	76.2	78.4	81.1	83.3	83.9	83.9	84.8	85.1	85.1	85.1	85.1	85.1	85.1
≥ 900	52.1	69.3	72.8	77.2	79.5	82.3	84.6	85.5	85.5	86.5	86.9	86.9	86.9	86.9	86.9	86.9
≥ 800	52.2	69.7	73.2	77.8	80.1	83.2	85.5	86.3	86.3	87.5	88.1	88.1	88.2	88.2	88.2	88.2
≥ 700	52.2	70.1	73.6	78.7	81.0	84.5	86.8	87.6	87.6	88.8	89.6	89.6	89.8	89.8	89.8	89.8
≥ 600	52.2	70.1	73.8	79.4	81.8	85.6	88.2	89.3	89.3	90.5	91.4	91.4	91.6	91.6	91.6	91.6
≥ 500	52.4	70.4	74.3	80.1	82.8	87.2	89.9	91.4	91.4	92.8	93.8	93.8	94.3	94.3	94.5	94.5
≥ 400	52.4	70.5	74.4	80.4	83.3	87.9	90.8	92.7	92.7	94.7	95.6	95.6	96.1	96.1	96.6	96.6
≥ 300	52.4	70.8	74.8	80.7	83.6	88.2	91.3	93.7	93.7	96.0	97.1	97.1	97.6	97.6	98.1	98.1
≥ 200	52.4	70.8	74.8	80.7	83.6	88.4	91.5	93.9	93.9	96.6	97.8	97.8	98.7	98.7	99.2	99.2
≥ 100	52.4	70.8	74.8	80.7	83.6	88.4	91.5	93.9	93.9	96.6	97.9	97.9	99.3	99.3	99.8	99.8
≥ 0	52.4	70.8	74.8	80.7	83.6	88.4	91.5	93.9	93.9	96.6	97.9	97.9	99.3	99.3	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 825

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

GLOBAL CLIMATOLOGY BRANCH
USETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23 (STATION) YOUNGSTOWN M&P OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	23.2	26.5	27.4	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
≥ 20000	28.7	34.5	35.5	35.6	35.7	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 18000	28.7	34.5	35.5	35.6	35.7	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 16000	28.7	34.5	35.5	35.6	35.7	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 14000	29.1	35.0	36.1	36.1	36.2	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 12000	29.6	36.2	37.5	37.7	38.0	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 10000	31.4	38.5	39.7	39.9	40.2	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 9000	31.6	38.7	39.9	40.2	40.4	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 8000	32.9	40.5	41.8	42.0	42.3	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 7000	33.5	41.5	43.0	43.2	43.5	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 6000	33.8	41.8	43.2	43.5	43.7	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 5000	34.3	43.1	44.6	45.0	45.2	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 4500	35.7	44.3	45.8	46.2	46.4	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 4000	37.6	46.9	48.8	49.1	49.4	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 3500	40.3	50.1	52.1	52.6	52.8	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 3000	43.0	54.2	56.3	56.9	57.1	57.9	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 2500	46.4	60.9	63.1	64.4	64.7	65.6	65.8	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 2000	52.3	67.6	70.1	71.4	72.1	73.3	73.6	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 1800	53.6	70.6	73.2	74.4	75.3	76.7	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 1500	55.7	73.8	77.2	78.5	79.7	81.3	81.9	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1200	56.6	77.5	80.7	82.6	84.0	85.7	86.5	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1000	57.1	77.8	81.7	83.5	85.0	87.1	87.8	89.2	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 900	57.2	78.0	82.2	84.4	85.9	88.6	89.4	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 800	57.4	78.1	82.7	85.1	86.7	89.4	90.4	92.3	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 700	57.4	78.1	82.7	85.3	86.9	89.8	91.0	93.0	93.2	93.7	93.9	93.9	93.9	93.9	93.9	93.9
≥ 600	57.4	78.1	82.9	85.7	87.3	90.5	92.0	94.1	94.3	94.8	95.0	95.0	95.0	95.0	95.0	95.0
≥ 500	57.4	78.3	83.2	86.1	87.7	91.0	92.8	95.2	95.5	95.9	96.1	96.1	96.6	96.6	96.6	96.6
≥ 400	57.4	78.4	83.3	86.2	88.0	91.6	93.9	96.8	97.1	97.7	97.9	97.9	98.4	98.4	98.4	98.4
≥ 300	57.4	78.4	83.4	86.4	88.1	91.8	94.1	97.4	97.7	98.5	98.8	98.8	99.3	99.4	99.4	99.4
≥ 200	57.4	78.4	83.4	86.4	88.1	91.8	94.1	97.5	97.8	98.8	99.3	99.3	99.8	99.9	99.9	99.9
≥ 100	57.4	78.4	83.4	86.4	88.1	91.8	94.1	97.5	97.8	98.8	99.3	99.3	99.8	99.9	99.9	99.9
≥ 0	57.4	78.4	83.4	86.4	88.1	91.8	94.1	97.5	97.8	98.8	99.3	99.3	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 814

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

[redacted] CLIMATOLOGY BRANCH
[redacted]TAC
[redacted] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15 C-17 C (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	32.9	35.7	35.9	35.9	36.1	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 20000	31.6	36.4	36.9	37.0	37.4	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 18000	31.9	36.6	37.2	37.4	37.7	37.7	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 16000	31.9	36.5	37.4	37.5	37.9	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 14000	32.4	37.3	37.9	38.0	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 12000	34.1	39.1	39.7	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
≥ 10000	35.3	41.1	41.7	41.8	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 9000	35.7	41.5	42.2	42.3	42.6	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 8000	36.5	43.1	43.8	43.9	44.2	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 7000	36.9	43.8	44.4	44.5	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 6000	37.1	44.2	44.9	45.0	45.3	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 5000	38.4	46.1	46.6	46.7	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 4500	40.6	48.5	49.3	49.4	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 4000	42.4	51.5	52.2	52.3	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 3500	44.9	55.7	55.8	56.0	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 3000	48.7	59.4	60.2	60.5	60.9	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 2500	54.8	68.3	69.4	70.2	70.6	71.4	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 2000	57.4	72.2	73.5	74.6	75.0	76.1	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1800	59.4	75.5	77.1	78.2	78.6	79.8	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 1500	60.2	77.5	79.8	81.1	81.7	83.1	83.9	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1200	60.7	79.7	82.1	84.2	84.9	86.8	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1000	60.7	79.9	82.5	84.8	85.5	87.5	89.0	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 900	60.8	80.1	82.7	85.5	86.3	88.5	90.0	90.4	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 800	60.8	80.6	83.3	86.5	87.3	89.5	90.9	91.7	91.7	92.2	92.3	92.3	92.4	92.4	92.4	92.4
≥ 700	60.8	81.0	83.8	87.3	88.2	90.6	92.0	93.1	93.1	93.8	94.0	94.0	94.1	94.1	94.1	94.1
≥ 600	60.8	81.0	83.9	87.7	88.7	91.3	92.9	94.5	94.5	95.1	95.5	95.5	95.6	95.6	95.6	95.6
≥ 500	60.9	81.4	84.3	88.1	89.2	91.8	93.6	95.6	95.6	96.3	96.7	96.7	96.8	96.8	96.8	96.8
≥ 400	60.9	81.4	84.4	88.4	89.5	92.2	94.1	96.4	96.4	97.4	97.8	97.8	98.0	98.0	98.0	98.0
≥ 300	60.9	81.4	84.4	88.5	89.6	92.6	94.6	97.2	97.2	98.2	98.5	98.5	98.8	98.8	98.8	98.9
≥ 200	60.9	81.4	84.4	88.5	89.6	92.6	94.6	97.4	97.4	98.5	98.9	98.9	99.3	99.3	99.5	99.6
≥ 100	60.9	81.4	84.4	88.5	89.6	92.6	94.6	97.4	97.4	98.5	98.9	98.9	99.4	99.4	99.8	99.9
≥ 0	60.9	81.4	84.4	88.5	89.6	92.6	94.6	97.4	97.4	98.5	98.9	98.9	99.4	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 816

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

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

CEILING VERSUS VISIBILITY

... STATION | YOUNGSTOWN MAP 09 STATION NAME | 73-81 YEARS | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

... HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥	≥5/16	≥¼	≥0
NO CEILING	25.4	29.5	29.6	29.8	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 20000	32.2	37.3	37.7	37.8	38.0	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
≥ 18000	32.4	37.6	37.9	38.2	38.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 16000	32.4	37.6	37.9	38.2	38.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 14000	32.7	37.8	38.2	38.4	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 12000	33.3	38.5	39.1	39.4	39.6	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 10000	36.5	42.4	43.2	43.4	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 9000	37.0	42.9	43.7	43.9	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 8000	38.2	44.3	45.0	45.2	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 7000	39.3	45.4	46.1	46.3	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 6000	41.4	46.5	47.2	47.4	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 5000	43.7	51.6	51.3	51.6	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 4500	45.2	52.8	53.5	53.8	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 4000	46.7	56.1	56.8	57.1	57.4	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 3500	48.1	58.6	59.6	59.9	60.2	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 3000	50.9	62.0	62.9	63.5	63.9	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 2500	55.2	68.3	69.9	71.3	72.0	72.7	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 2000	58.2	72.8	75.0	77.0	77.6	78.9	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 1800	58.7	74.1	76.5	78.9	79.5	81.1	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1500	59.4	75.7	78.2	80.9	81.5	83.2	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1200	59.9	77.2	80.1	83.0	83.8	85.7	86.7	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 1000	60.0	78.0	81.2	84.4	85.1	87.3	88.3	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 900	60.1	78.4	81.6	85.2	86.1	88.3	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 800	60.4	79.1	82.3	86.3	87.2	89.4	90.4	91.0	91.0	91.2	91.3	91.3	91.3	91.3	91.3	91.3
≥ 700	60.4	79.4	83.2	87.1	87.9	91.5	91.6	92.3	92.3	92.7	92.9	92.9	92.9	92.9	92.9	92.9
≥ 600	60.4	79.4	83.2	87.4	88.5	91.2	92.6	93.5	93.5	94.0	94.3	94.3	94.3	94.3	94.3	94.3
≥ 500	60.4	79.4	83.2	87.8	89.1	92.1	93.4	94.4	94.4	95.0	95.5	95.5	95.6	95.6	95.6	95.6
≥ 400	60.4	79.4	83.2	88.0	89.5	92.6	94.1	95.1	95.1	95.7	96.3	96.3	96.6	96.7	96.7	96.7
≥ 300	60.4	79.4	83.2	88.3	89.8	92.9	94.9	96.0	96.0	96.7	97.4	97.6	97.8	97.9	97.9	97.9
≥ 200	60.4	79.4	83.3	88.5	90.0	93.4	95.6	96.8	96.8	97.9	98.8	98.9	99.4	99.5	99.5	99.6
≥ 100	60.4	79.4	83.3	88.5	90.0	93.5	95.7	97.0	97.0	98.2	99.1	99.3	99.8	99.9	99.9	100.0
≥ 0	60.4	79.4	83.3	88.5	90.0	93.5	95.7	97.0	97.0	98.2	99.1	99.3	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 820

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

CEILING VERSUS VISIBILITY

STATION: YOUNGSTOWN MAP OH (STATION NAME) | YEARS: 73-81 | MONTH: MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (LST): 2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	32.[illegible]	32.1	32.7	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	33.0
≥ 20000	32.7	37.7	38.8	39.1	39.[illegible]	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.3
≥ 18000	32.7	37.7	38.8	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.3
≥ 16000	32.7	37.7	38.8	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.3
≥ 14000	32.7	37.7	38.8	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.4
≥ 12000	33.2	38.2	39.3	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.9
≥ 10000	36.1	41.2	42.3	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	43.0
≥ 9000	36.3	42.0	43.[illegible]	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.9	43.9
≥ 8000	38.[illegible]	43.4	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.4
≥ 7000	39.3	44.9	46.[illegible]	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.8
≥ 6000	39.9	45.4	46.5	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.3
≥ 5000	43.[illegible]	5[illegible].1	51.2	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2
≥ 4500	46.1	53.2	54.4	55.2	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5
≥ 4000	48.2	58.2	59.4	6[illegible].2	60.2	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.5
≥ 3500	[illegible].7	61.1	62.4	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5
≥ 3000	2.6	65.0	66.7	67.7	67.8	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3
≥ 2500	[illegible].5	69.4	71.[illegible]	73.4	73.7	73.7	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5
≥ 2000	57.6	74.0	76.6	78.9	79.1	79.3	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2
≥ 1800	59.[illegible]	75.6	78.3	80.6	80.9	81.0	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.[illegible]
≥ 1500	59.[illegible]	77.6	81.4	82.9	83.3	83.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4
≥ 1200	59.4	79.[illegible]	82.[illegible]	85.1	85.5	85.6	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7
≥ 1000	59.9	79.4	82.7	86.[illegible]	86.5	86.7	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8
≥ 900	59.[illegible]	79.8	83.4	87.[illegible]	87.6	87.8	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9
≥ 800	[illegible].4	8[illegible].5	84.5	88.4	89.0	89.3	90.1	90.2	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.5
≥ 700	[illegible].4	[illegible].7	84.8	88.7	89.5	9[illegible].0	91.0	91.5	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.8
≥ 600	[illegible].4	81.2	85.2	89.1	90.1	91.0	92.0	92.4	92.4	92.6	93.[illegible]	93.0	93.0	93.[illegible]	93.0	93.2
≥ 500	[illegible].4	81.3	85.4	90.6	92.1	92.9	93.9	94.4	94.4	94.5	95.[illegible]	95.0	95.0	95.[illegible]	95.0	95.1
≥ 400	[illegible].4	81.3	85.5	91.7	93.2	94.1	95.0	95.5	95.5	95.7	96.2	96.2	96.2	96.2	96.2	96.3
≥ 300	[illegible].4	81.3	85.5	91.8	93.7	95.2	96.5	97.1	97.2	97.6	98.[illegible]	98.0	98.0	98.[illegible]	98.0	98.[illegible]
≥ 200	[illegible].4	81.3	85.5	91.8	93.7	95.6	97.0	97.8	97.9	98.4	99.[illegible]	99.1	99.1	99.1	99.1	99.3
≥ 100	[illegible].4	81.3	85.5	91.8	93.7	95.6	97.0	97.8	97.9	98.8	99.4	99.4	99.6	99.6	99.6	99.[illegible]
≥ 0	[illegible].4	81.3	85.5	91.8	93.7	95.6	97.0	97.8	97.9	98.8	99.4	99.4	99.6	99.6	99.9	[illegible].0

TOTAL NUMBER OF OBSERVATIONS [illegible]92

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

[illegible] CLIMATOLOGY BRANCH
[illegible] ETAC
[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | YOUNGSTOWN 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	24.7	28.0	28.7	29.1	29.3	29.4	29.5	29.5	29.5	29.6	29.6	29.6	29.7	29.7	29.7	29.7
≥ 20000	28.8	34.0	35.0	35.5	35.8	36.0	36.1	36.1	36.1	36.2	36.3	36.3	36.3	36.3	36.3	36.4
≥ 18000	28.9	34.1	35.1	35.6	35.9	36.1	36.3	36.3	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.5
≥ 16000	28.9	34.1	35.1	35.6	35.9	36.1	36.3	36.3	36.3	36.3	36.4	36.4	36.4	36.4	36.5	36.5
≥ 14000	29.1	34.4	35.4	36.0	36.2	36.4	36.6	36.6	36.6	36.7	36.7	36.7	36.8	36.8	36.8	36.8
≥ 12000	29.8	35.4	36.4	37.2	37.3	37.5	37.7	37.7	37.7	37.8	37.8	37.8	37.8	37.9	37.9	37.9
≥ 10000	31.7	37.8	39.1	39.6	39.9	40.1	40.3	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.5	40.5
≥ 9000	32.1	38.2	39.4	40.0	40.3	40.5	40.7	40.7	40.7	40.7	40.8	40.8	40.8	40.8	40.9	40.9
≥ 8000	33.9	40.3	41.5	42.1	42.4	42.6	42.8	42.8	42.8	42.9	42.9	42.9	43.0	43.0	43.0	43.0
≥ 7000	34.5	41.6	42.8	43.4	43.7	44.0	44.1	44.1	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.4
≥ 6000	34.9	42.1	43.3	43.9	44.2	44.5	44.6	44.6	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.9
≥ 5000	37.1	45.2	46.5	47.2	47.6	47.8	48.0	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.2	48.2
≥ 4500	38.3	47.2	48.6	49.3	49.7	50.0	50.2	50.2	50.2	50.3	50.3	50.3	50.4	50.4	50.4	50.4
≥ 4000	40.2	50.3	51.8	52.6	53.1	53.4	53.6	53.6	53.6	53.7	53.8	53.8	53.8	53.8	53.9	53.9
≥ 3500	42.3	53.4	55.0	56.0	56.4	56.8	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.3	57.3	57.3
≥ 3000	44.5	57.1	58.9	60.1	60.6	61.1	61.5	61.5	61.5	61.6	61.7	61.7	61.7	61.7	61.8	61.8
≥ 2500	48.5	62.7	64.9	66.6	67.2	67.9	68.6	68.6	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.9
≥ 2000	51.6	67.8	70.3	72.7	73.5	74.4	75.1	75.2	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4
≥ 1800	52.6	69.9	72.3	75.1	75.9	76.9	77.6	77.7	77.7	77.8	77.9	77.9	77.9	77.9	78.0	78.0
≥ 1500	53.9	72.2	75.4	78.0	79.0	80.2	80.9	81.2	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.5
≥ 1200	54.4	74.5	78.1	81.0	82.2	83.6	84.6	85.0	85.0	85.2	85.3	85.3	85.3	85.4	85.4	85.4
≥ 1000	55.2	76.1	78.9	82.2	83.4	85.0	86.1	86.6	86.6	86.9	87.0	87.0	87.0	87.1	87.1	87.1
≥ 900	55.3	76.5	79.3	83.1	84.5	86.2	87.3	88.0	88.0	88.4	88.5	88.5	88.6	88.6	88.6	88.7
≥ 800	55.5	76.9	80.1	84.1	85.4	87.2	88.4	89.1	89.2	89.6	89.8	89.8	89.9	89.9	89.9	90.0
≥ 700	55.5	76.4	80.7	84.8	86.4	88.4	89.6	90.5	90.5	91.1	91.4	91.4	91.5	91.5	91.6	91.6
≥ 600	55.5	76.5	80.9	85.4	87.1	89.3	90.7	91.8	91.8	92.4	92.8	92.8	92.9	93.0	93.0	93.0
≥ 500	55.5	76.7	81.3	86.2	88.1	90.5	92.0	93.3	93.3	94.0	94.4	94.5	94.8	94.8	94.8	94.9
≥ 400	55.6	76.8	81.5	86.6	88.7	91.3	93.0	94.5	94.6	95.5	96.0	96.0	96.3	96.4	96.5	96.5
≥ 300	55.6	76.9	81.6	86.9	89.1	91.9	93.8	95.4	95.6	96.7	97.3	97.3	97.6	97.7	97.8	97.9
≥ 200	55.6	76.9	81.6	86.9	89.2	92.1	94.1	95.9	96.1	97.3	98.1	98.1	98.6	98.7	98.9	98.9
≥ 100	55.6	76.9	81.6	86.9	89.2	92.1	94.1	96.0	96.1	97.5	98.4	98.4	99.1	99.2	99.5	99.7
≥ 0	55.6	76.9	81.6	86.9	89.2	92.1	94.1	96.0	96.1	97.5	98.4	98.4	99.2	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 6535

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

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

CEILING VERSUS VISIBILITY

STATION: ... STATION NAME: YOUNGSTOWN MAP OH YEARS: 73-91 MONTH: APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LST: 0000-0200

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	35.2	41.7	42.8	41.0	41.4	41.4	41.4	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 20000	38.0	45.5	45.6	45.8	46.2	46.2	46.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 18000	38.6	45.5	45.6	45.8	46.2	46.2	46.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 16000	38.6	45.5	45.6	45.8	46.2	46.2	46.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 14000	39.1	46.0	46.1	46.3	46.7	46.7	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 12000	39.9	46.7	47.3	47.2	47.6	47.6	47.6	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 10000	42.4	49.7	50.3	50.3	50.6	50.6	50.6	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 9000	42.9	50.3	50.5	50.8	51.1	51.1	51.1	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 8000	44.4	52.7	52.9	53.2	53.5	53.5	53.5	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 7000	45.3	54.3	54.7	55.1	55.4	55.4	55.4	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 6000	46.1	55.3	55.7	56.1	56.4	56.4	56.4	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 5000	50.7	60.9	61.4	61.9	62.2	62.2	62.2	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 4500	52.1	64.3	64.6	65.2	65.5	65.5	65.5	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 4000	55.4	68.8	69.4	70.3	70.8	70.8	70.8	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3500	56.7	70.8	71.7	72.6	73.1	73.1	73.1	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3000	58.7	75.4	76.9	77.8	78.4	78.4	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2500	60.2	78.7	80.2	81.1	81.7	81.7	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 2000	62.2	81.9	83.6	84.5	85.5	85.5	85.6	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1800	62.8	82.7	84.3	85.2	86.5	86.5	86.6	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1500	63.0	83.1	85.0	86.0	87.4	87.4	87.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 1200	63.6	84.6	86.5	87.9	89.3	89.3	89.4	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	64.3	85.5	87.5	89.4	90.8	90.8	91.0	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 900	64.7	86.0	88.3	90.0	91.8	91.8	92.0	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 800	64.7	86.0	88.3	90.3	92.0	92.0	92.4	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 700	64.1	86.2	88.4	90.8	92.7	92.7	93.1	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 600	64.4	86.7	89.1	91.9	93.9	93.9	94.3	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 500	64.4	87.0	89.5	92.7	94.7	94.7	95.1	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	64.5	87.5	90.5	94.2	96.5	96.5	97.3	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 300	64.5	87.5	90.7	94.3	96.6	97.1	98.0	99.0	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	64.5	87.5	90.7	94.3	96.6	97.1	98.0	99.1	99.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	64.5	87.5	90.7	94.3	96.6	97.1	98.0	99.1	99.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	64.5	87.5	90.7	94.3	96.6	97.1	98.0	99.1	99.1	99.6	99.9	99.9	100.0	100.0	100.0	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
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	35.1	41.1	41.5	41.5	42.2	42.2	42.2	42.2	42.2	42.6	42.7	42.7	42.9	42.9	42.9	42.9
≥ 20000	38.1	44.3	44.8	45.8	46.6	46.6	46.6	46.6	46.6	46.9	47.1	47.1	47.2	47.2	47.2	47.2
≥ 18000	38.1	44.3	44.8	45.8	46.6	46.6	46.6	46.6	46.6	46.9	47.1	47.1	47.2	47.2	47.2	47.2
≥ 16000	38.1	44.3	44.8	45.8	46.6	46.6	46.6	46.6	46.6	46.9	47.1	47.1	47.2	47.2	47.2	47.2
≥ 14000	38.3	44.5	45.1	46.1	46.8	46.8	46.8	46.8	46.8	47.2	47.3	47.3	47.5	47.5	47.5	47.5
≥ 12000	38.8	45.0	45.5	46.6	47.3	47.3	47.3	47.3	47.3	47.7	47.8	47.8	48.0	48.0	48.0	48.0
≥ 10000	41.6	48.7	49.2	50.3	51.0	51.0	51.0	51.0	51.0	51.4	51.5	51.5	51.7	51.7	51.7	51.7
≥ 9000	42.4	49.6	50.1	51.1	51.9	51.9	51.9	51.9	51.9	52.3	52.4	52.4	52.5	52.5	52.5	52.5
≥ 8000	43.6	52.0	52.5	53.6	54.5	54.5	54.5	54.5	54.5	54.8	55.0	55.0	55.1	55.1	55.1	55.1
≥ 7000	44.3	53.1	53.7	54.7	55.6	55.6	55.6	55.6	55.6	56.0	56.1	56.1	56.2	56.2	56.2	56.2
≥ 6000	44.3	53.9	54.6	55.6	56.6	56.6	56.6	56.6	56.6	57.0	57.1	57.1	57.3	57.3	57.3	57.3
≥ 5000	47.6	57.6	58.4	60.1	61.1	61.1	61.1	61.1	61.1	61.5	61.6	61.6	61.7	61.7	61.7	61.7
≥ 4500	48.6	59.1	59.9	61.6	62.6	62.6	62.6	62.6	62.6	63.0	63.1	63.1	63.2	63.2	63.2	63.2
≥ 4000	49.5	60.6	61.5	63.7	64.8	64.8	64.8	64.8	64.8	65.1	65.3	65.3	65.4	65.4	65.4	65.4
≥ 3500	61.4	63.1	64.1	66.4	67.4	67.4	67.4	67.4	67.4	67.8	67.9	67.9	68.1	68.1	68.1	68.1
≥ 3000	63.6	68.1	69.6	72.1	73.2	73.2	73.2	73.2	73.2	73.5	73.7	73.7	73.8	73.8	73.8	73.8
≥ 2500	53.9	70.9	72.4	75.3	76.3	76.3	76.3	76.3	76.3	76.7	76.8	76.8	77.0	77.0	77.0	77.0
≥ 2000	56.2	74.2	75.7	78.9	79.9	79.9	80.3	80.3	80.3	80.7	80.8	80.8	80.9	80.9	80.9	80.9
≥ 1800	57.3	75.7	77.2	80.4	81.4	81.4	81.8	81.8	81.8	82.2	82.3	82.3	82.4	82.4	82.4	82.4
≥ 1500	58.7	77.6	79.1	82.3	83.3	83.3	83.7	83.7	83.7	84.1	84.2	84.2	84.4	84.4	84.4	84.4
≥ 1200	59.5	80.2	81.6	84.7	85.9	85.9	86.3	86.3	86.3	86.6	86.8	86.8	86.9	86.9	86.9	86.9
≥ 1000	60.6	81.7	83.5	86.9	88.3	88.3	88.7	88.7	88.7	89.1	89.2	89.2	89.3	89.3	89.3	89.3
≥ 900	61.3	82.8	84.6	88.2	89.8	89.8	90.2	90.2	90.2	90.6	90.7	90.7	90.8	90.8	90.8	90.8
≥ 800	63.8	84.2	86.1	89.6	91.3	91.3	91.7	92.0	92.0	92.4	92.5	92.5	92.6	92.6	92.6	92.6
≥ 700	64.9	84.9	86.6	90.6	92.4	92.4	92.7	93.0	93.0	93.4	93.5	93.5	93.6	93.6	93.6	93.6
≥ 600	65.9	85.5	87.3	91.3	93.3	93.3	93.6	94.1	94.1	94.5	94.7	94.7	94.8	94.8	94.8	94.8
≥ 500	66.9	85.9	87.8	92.0	94.0	94.0	94.7	95.4	95.4	95.8	95.9	95.9	96.1	96.1	96.1	96.1
≥ 400	66.9	86.1	89.0	92.7	94.9	95.2	96.3	97.1	97.1	97.5	97.6	97.6	97.7	97.7	97.7	97.7
≥ 300	66.9	86.1	88.2	93.0	95.2	95.5	96.8	97.6	97.6	98.2	98.7	98.7	98.9	98.9	98.9	98.9
≥ 200	66.9	86.1	88.2	93.0	95.2	95.7	96.9	97.8	97.8	98.6	99.1	99.1	99.2	99.2	99.2	99.2
≥ 100	66.9	86.1	88.2	93.0	95.2	95.7	96.9	97.8	97.8	98.6	99.1	99.1	99.5	99.5	99.5	99.5
≥ 0	66.9	86.1	88.2	93.0	95.2	95.7	96.9	97.8	97.8	98.6	99.1	99.1	99.5	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 786

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

CEILING VERSUS VISIBILITY

25	YOUNGSTOWN MAP OH	73-81	APR
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	29.0	34.3	35.5	36.1	36.8	37.0	37.5	38.0	38.0	39.0	39.0	39.0	39.1	39.1	39.1	39.1
≥ 20000	32.1	38.0	39.6	40.4	41.0	41.3	41.8	42.3	42.3	43.3	43.3	43.3	43.4	43.4	43.4	43.4
≥ 18000	32.1	38.0	39.6	40.4	41.0	41.3	41.8	42.3	42.3	43.3	43.3	43.3	43.4	43.4	43.4	43.4
≥ 16000	32.1	38.0	39.6	40.4	41.0	41.3	41.8	42.3	42.3	43.3	43.3	43.3	43.4	43.4	43.4	43.4
≥ 14000	32.4	38.4	40.0	41.0	41.7	41.9	42.4	42.9	42.9	43.9	43.9	43.9	44.0	44.0	44.0	44.0
≥ 12000	33.8	40.0	41.8	42.8	43.4	43.7	44.2	44.7	44.7	45.7	45.7	45.7	45.8	45.8	45.8	45.8
≥ 10000	35.6	42.2	44.0	45.0	45.8	46.0	46.5	47.1	47.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2
≥ 9000	36.0	42.5	44.7	45.7	46.4	46.7	47.2	47.7	47.7	48.7	48.7	48.7	48.8	48.8	48.8	48.8
≥ 8000	37.3	44.2	46.7	47.8	48.6	48.8	49.3	49.8	49.8	50.8	50.8	50.8	50.9	50.9	50.9	50.9
≥ 7000	37.8	44.9	47.6	48.8	49.6	49.8	50.3	50.8	50.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9
≥ 6000	38.3	45.8	48.4	49.9	50.8	51.2	51.9	52.4	52.4	53.5	53.5	53.5	53.6	53.6	53.6	53.6
≥ 5000	41.3	49.8	52.7	54.3	55.3	55.8	56.6	57.1	57.1	58.1	58.1	58.1	58.2	58.2	58.2	58.2
≥ 4500	42.5	51.3	54.5	56.1	57.2	57.7	58.5	59.0	59.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1
≥ 4000	45.4	54.6	58.1	60.0	61.1	61.6	62.4	62.9	62.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0
≥ 3500	47.1	56.6	60.1	62.2	63.5	64.0	64.7	65.2	65.2	66.2	66.2	66.2	66.4	66.4	66.4	66.4
≥ 3000	48.7	58.6	62.2	64.6	65.9	66.4	67.3	67.8	67.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9
≥ 2500	49.4	61.1	64.9	67.5	68.9	69.8	70.8	71.3	71.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4
≥ 2000	51.9	64.1	68.1	70.9	72.4	73.3	74.3	74.8	74.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9
≥ 1800	53.3	66.4	70.4	73.3	74.8	75.7	76.7	77.2	77.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3
≥ 1500	54.7	69.1	73.3	76.2	77.7	78.5	79.5	80.1	80.1	81.3	81.3	81.3	81.4	81.4	81.4	81.4
≥ 1200	55.6	71.5	75.7	78.9	80.4	81.3	82.3	82.9	82.9	84.4	84.4	84.4	84.6	84.6	84.6	84.6
≥ 1000	56.6	73.3	77.7	81.1	83.1	84.1	85.1	85.7	85.7	87.3	87.3	87.3	87.5	87.5	87.5	87.5
≥ 900	57.2	74.7	79.3	82.8	84.8	85.9	87.2	88.1	88.1	89.7	89.8	89.8	90.0	90.0	90.0	90.0
≥ 800	57.5	76.0	80.6	84.6	86.7	87.8	89.2	90.1	90.1	91.8	92.0	92.0	92.1	92.1	92.1	92.1
≥ 700	57.8	77.0	81.6	85.8	88.1	89.6	91.0	91.8	91.8	93.6	93.7	93.7	93.9	93.9	93.9	93.9
≥ 600	57.8	77.2	81.7	86.1	88.5	90.2	92.0	92.8	92.8	94.6	94.7	94.7	94.9	94.9	94.9	94.9
≥ 500	57.8	77.4	81.9	86.3	88.8	90.7	92.5	93.4	93.4	95.2	95.4	95.4	95.5	95.5	95.5	95.5
≥ 400	57.8	77.4	81.9	86.3	88.8	91.2	93.4	94.9	94.9	96.7	97.1	97.1	97.2	97.2	97.2	97.2
≥ 300	57.8	77.4	81.9	86.3	88.8	91.3	93.5	95.1	95.1	97.4	97.7	97.7	97.9	97.9	97.9	97.9
≥ 200	57.8	77.4	81.9	86.3	88.8	91.3	93.5	95.1	95.1	97.7	98.4	98.4	98.6	98.6	98.9	98.9
≥ 100	57.8	77.4	81.9	86.3	88.8	91.3	93.5	95.1	95.1	97.7	98.4	98.4	98.9	98.9	99.5	99.5
≥ 0	57.8	77.4	81.9	86.3	88.8	91.3	93.5	95.1	95.1	97.7	98.4	98.4	98.9	98.9	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 797

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

23 (STATION) YOUNGSTOWN 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	≥¼	≥0
NO CEILING	27.1	31.4	32.4	33.1	33.2	33.5	33.5	33.5	33.5	33.6	33.6	33.6	33.6	33.6	33.6	33.6
≥ 20000	33.9	39.9	40.9	41.8	41.9	42.2	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 18000	33.9	39.9	40.9	41.8	41.9	42.2	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 16000	33.9	39.9	40.9	41.8	41.9	42.2	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 14000	33.9	40.0	41.0	41.9	42.0	42.3	42.3	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 12000	35.0	41.4	42.5	43.4	43.5	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 10000	37.8	44.9	46.2	47.1	47.2	47.4	47.4	47.4	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 9000	38.3	45.7	46.9	47.9	48.1	48.3	48.3	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 8000	39.1	47.1	48.3	49.4	49.6	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 7000	39.8	47.9	49.4	50.7	50.8	51.1	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 6000	41.2	48.7	50.4	51.7	51.9	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 5000	42.2	51.3	53.2	54.7	55.1	55.3	55.3	55.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 4500	43.3	52.7	54.8	56.5	56.8	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 4000	45.6	55.8	58.2	60.0	60.5	60.7	60.7	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 3500	47.1	57.1	59.7	61.4	61.9	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 3000	49.3	59.7	62.5	64.1	64.6	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 2500	53.3	64.7	67.9	69.8	70.3	70.9	70.9	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 2000	58.3	70.9	74.0	75.9	76.4	77.2	77.2	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1800	59.3	72.4	75.7	77.5	78.2	79.3	79.3	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 1500	60.0	73.5	76.8	78.9	79.7	80.8	80.8	80.8	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1200	61.4	76.4	80.1	82.2	83.2	84.6	85.3	85.3	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1000	62.0	77.9	81.7	84.1	85.3	86.7	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 900	62.1	78.8	82.7	85.2	86.4	88.1	89.1	89.1	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 800	62.6	79.5	83.8	86.4	88.1	90.0	91.1	91.2	91.2	91.5	91.7	91.7	91.7	91.7	91.7	91.7
≥ 700	62.6	80.2	84.7	87.5	89.2	91.3	92.5	92.7	92.7	93.0	93.2	93.2	93.2	93.2	93.2	93.2
≥ 600	62.6	80.6	85.3	88.3	90.2	92.3	94.1	94.5	94.5	94.7	95.0	95.0	95.4	95.4	95.4	95.4
≥ 500	62.6	80.7	85.4	88.6	90.8	93.4	95.4	96.4	96.5	96.7	97.1	97.1	97.6	97.6	97.6	97.6
≥ 400	62.6	80.7	85.6	88.8	91.3	94.1	96.2	97.5	97.6	97.9	98.4	98.4	98.9	98.9	98.9	98.9
≥ 300	62.6	80.7	85.6	88.8	91.7	94.7	97.1	98.4	98.5	99.0	99.5	99.5	100.0	100.0	100.0	100.0
≥ 200	62.6	80.7	85.6	88.8	91.7	94.7	97.1	98.4	98.5	99.0	99.5	99.5	100.0	100.0	100.0	100.0
≥ 100	62.6	80.7	85.6	88.8	91.7	94.7	97.1	98.4	98.5	99.0	99.5	99.5	100.0	100.0	100.0	100.0
≥ 0	62.6	80.7	85.6	88.8	91.7	94.7	97.1	98.4	98.5	99.0	99.5	99.5	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 797

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

328 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) APP (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	29.5	32.7	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	33.2
≥ 20000	36.5	41.5	41.9	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 18000	36.8	41.8	42.2	42.4	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 16000	36.9	41.9	42.3	42.5	42.5	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 14000	37.1	42.2	42.5	42.8	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 12000	36.4	44.2	44.9	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 10000	41.4	47.6	48.6	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 9000	41.7	47.8	48.9	49.2	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 8000	43.0	49.8	50.9	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 7000	43.9	51.8	52.2	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 6000	44.2	51.1	52.4	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 5000	44.8	52.1	53.6	54.0	54.	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 4500	45.7	53.3	54.8	55.2	55.2	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 4000	50.1	58.1	59.6	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 3500	52.6	61.5	63.7	63.4	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 3000	55.5	65.4	67.1	67.6	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 2500	60.9	71.5	73.5	74.0	74.2	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2000	64.1	76.2	78.3	79.2	79.4	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 1800	65.1	77.9	80.3	81.2	81.6	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 1500	66.1	79.8	82.2	83.1	83.4	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4
≥ 1200	67.4	81.8	85.1	86.4	87.2	88.2	88.7	88.8	88.8	88.8	88.8	88.8	89.0	89.0	89.0	89.0
≥ 1000	67.6	82.7	86.3	87.7	89.0	90.0	90.6	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8
≥ 900	67.9	83.4	87.3	88.7	90.0	91.1	91.8	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2	92.2
≥ 800	68.1	84.3	88.6	90.0	91.3	92.7	93.5	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0
≥ 700	68.1	84.6	89.2	91.1	92.8	94.4	95.6	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1
≥ 600	68.1	85.1	90.0	91.8	93.6	95.1	96.7	97.1	97.1	97.1	97.4	97.4	97.9	97.9	97.9	97.9
≥ 500	68.1	85.1	90.0	91.8	93.6	95.5	97.2	97.9	97.9	97.9	98.1	98.1	98.9	98.9	98.9	98.9
≥ 400	68.1	85.1	90.0	91.8	93.6	95.5	97.2	98.1	98.1	98.1	98.4	98.4	99.4	99.4	99.4	99.5
≥ 300	68.1	85.1	90.1	92.0	93.7	95.6	97.4	98.5	98.5	98.6	98.9	98.9	99.9	99.9	99.9	100.0
≥ 200	68.1	85.1	90.1	92.0	93.7	95.6	97.4	98.5	98.5	98.6	98.9	98.9	99.9	99.9	99.9	100.0
≥ 100	68.1	85.1	90.1	92.0	93.7	95.6	97.4	98.5	98.5	98.6	98.9	98.9	99.9	99.9	99.9	100.0
≥ 0	68.1	85.1	90.1	92.0	93.7	95.6	97.4	98.5	98.5	98.6	98.9	98.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 797

USAF ETAC FORM 101 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] STATION | YOUNGSTOWN MAP 04 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	31.3	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 20000	36.3	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	42.4	42.4
≥ 18000	36.9	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 16000	36.1	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 14000	37.6	43.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 12000	39.5	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 10000	40.9	47.1	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 9000	41.4	47.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 8000	42.5	49.6	50.1	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
≥ 7000	43.4	50.9	51.4	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 6000	43.9	51.4	51.9	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 5000	47.3	55.5	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 4500	49.8	58.8	59.3	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 4000	54.1	64.7	65.2	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 3500	57.0	68.1	69.1	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 3000	60.9	72.9	73.8	74.2	74.2	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2500	64.1	76.4	77.5	78.0	78.2	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2000	66.4	80.1	81.4	82.2	82.6	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1800	65.6	81.2	82.8	83.8	84.3	85.1	85.1	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1500	67.5	83.4	85.3	86.2	86.8	87.6	87.6	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1200	68.5	86.2	88.3	89.5	90.1	91.0	91.0	91.2	91.2	91.3	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1000	68.6	86.7	89.1	90.6	91.5	93.0	93.2	93.5	93.5	93.6	93.7	93.7	93.7	93.7	93.7	93.7
≥ 900	69.1	87.1	89.5	91.1	92.2	93.9	94.1	94.4	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6
≥ 800	69.1	87.2	89.6	91.2	92.5	94.5	95.0	95.2	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	69.1	88.1	90.5	92.2	93.6	96.0	96.6	97.0	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	69.1	88.2	90.6	92.3	93.7	96.5	97.1	97.5	97.5	97.7	97.9	97.9	98.0	98.0	98.0	98.0
≥ 500	69.1	88.2	90.6	92.3	93.7	97.1	98.0	98.4	98.4	98.7	98.9	98.9	99.0	99.0	99.0	99.0
≥ 400	69.1	88.2	90.7	92.7	94.1	97.6	98.5	99.0	99.0	99.5	99.6	99.6	99.7	99.7	99.7	99.7
≥ 300	69.1	88.2	90.7	92.7	94.1	97.6	98.6	99.1	99.1	99.6	99.7	99.7	99.9	99.9	99.9	99.9
≥ 200	69.1	88.2	90.7	92.7	94.1	97.6	98.7	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	69.1	88.2	90.7	92.7	94.1	97.6	98.7	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	69.1	88.2	90.7	92.7	94.1	97.6	98.7	99.2	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 797

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

[redacted] STATION | YOUNGSTOWN 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	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	34.4	38.4	38.7	38.8	38.8	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 20000	39.9	45.1	45.4	45.5	45.5	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 18000	39.9	45.1	45.4	45.5	45.5	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 16000	39.9	45.1	45.4	45.5	45.5	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 14000	40.5	45.6	45.9	46.0	46.0	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 12000	43.2	48.6	48.9	49.0	49.0	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 10000	44.7	50.5	51.0	51.1	51.1	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 9000	45.2	51.0	51.5	51.6	51.6	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 8000	47.1	53.6	54.1	54.3	54.3	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 7000	48.2	55.4	55.9	56.0	56.0	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 6000	48.5	56.3	56.9	57.0	57.0	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 5000	51.5	60.7	61.3	61.6	61.6	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 4500	53.1	63.1	63.7	64.2	64.2	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4000	57.9	69.8	70.5	71.1	71.2	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3500	60.3	72.6	73.2	74.0	74.2	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000	63.1	76.1	76.9	78.0	78.3	78.8	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 2500	64.8	79.0	80.2	81.7	82.0	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	66.3	81.7	83.0	84.7	85.3	86.4	86.8	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.2
≥ 1800	66.7	82.2	83.5	85.3	85.9	87.1	87.8	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.2
≥ 1500	67.5	84.0	85.7	87.8	88.4	89.6	90.3	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.7
≥ 1200	68.2	85.2	87.2	89.4	90.1	91.2	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.3
≥ 1000	68.2	86.3	88.6	91.2	92.0	93.2	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.3
≥ 900	68.3	86.4	88.7	91.5	92.3	93.7	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	95.0
≥ 800	68.3	86.7	89.1	91.8	92.7	94.2	95.1	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.7
≥ 700	68.5	87.2	89.6	92.5	93.3	95.1	96.1	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.7
≥ 600	68.5	87.3	89.7	92.6	93.5	95.4	96.4	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	97.0
≥ 500	68.6	87.4	90.1	93.1	94.1	96.1	97.1	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.7
≥ 400	68.7	87.8	90.5	93.6	94.6	96.7	98.0	98.5	98.5	98.9	98.9	98.9	98.9	98.9	98.9	99.0
≥ 300	68.7	87.8	90.5	93.6	94.7	97.0	98.2	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.6	99.7
≥ 200	68.7	87.8	90.5	93.6	94.7	97.0	98.2	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.6	99.7
≥ 100	68.7	87.8	90.5	93.6	94.7	97.0	98.2	98.9	98.9	99.4	99.6	99.6	99.6	99.6	99.9	100.0
≥ 0	68.7	87.8	90.5	93.6	94.7	97.0	98.2	98.9	98.9	99.4	99.6	99.6	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 796

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

GLOBAL CLIMATOLOGY BRANCH
USETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) APR (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]-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	35.9	42.5	42.6	42.7	42.9	42.9	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 20000	43.9	48.5	48.2	48.3	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 18000	43.9	48.5	48.2	48.3	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 16000	43.9	48.5	48.2	48.3	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 14000	41.2	48.4	48.5	48.7	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 12000	42.5	49.7	49.8	49.9	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 10000	44.5	52.0	52.1	52.2	52.3	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 9000	44.9	52.3	52.5	52.6	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 8000	47.4	55.0	55.1	55.4	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 7000	48.8	57.6	57.8	58.0	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 6000	49.3	58.5	58.8	59.1	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 5000	52.1	62.7	63.2	64.1	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 4500	54.5	65.4	66.-	67.0	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4000	57.8	71.4	72.4	73.5	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 3500	58.4	72.6	74.4	75.5	75.9	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3000	61.4	76.7	78.6	80.1	80.5	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 2500	63.2	79.7	81.7	83.5	84.0	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 2000	64.8	82.8	85.1	87.0	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 1800	65.1	83.6	86.1	88.0	89.7	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1500	65.2	84.2	86.8	88.8	89.4	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1200	65.3	85.0	87.5	90.0	90.7	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1000	65.3	85.8	88.4	91.9	91.6	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 900	65.3	86.0	89.-	91.-	92.2	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800	65.4	86.6	89.8	92.4	93.2	93.4	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 700	65.6	87.0	91.4	93.2	93.9	94.2	94.8	94.8	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0
≥ 600	65.6	87.4	90.9	93.9	95.0	95.2	95.8	95.8	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	65.8	87.8	91.3	94.7	95.8	96.1	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 400	65.8	87.9	91.8	95.7	97.1	97.4	98.4	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	65.8	87.9	91.8	95.8	97.2	97.5	98.5	98.7	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200	65.8	87.9	91.6	95.8	97.2	97.6	98.6	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 100	65.8	87.9	91.8	95.8	97.2	97.6	98.6	99.0	99.0	99.5	99.5	99.5	99.5	99.5	99.5	99.6
≥ 0	66.-	88.-	91.9	96.0	97.4	97.7	98.7	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 793

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

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

CEILING VERSUS VISIBILITY

... STATION | ...CONNELLSTOWN 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	≥1¾	≥1¼	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	32.1	36.9	37.7	37.7	37.9	38.0	38.1	38.3	38.3	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 20000	37.1	43.1	43.6	44.0	44.3	44.4	44.5	44.6	44.6	44.8	44.8	44.8	44.9	44.9	44.9	44.9
≥ 18000	37.1	43.1	43.6	44.1	44.3	44.4	44.5	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 16000	37.2	43.1	43.7	44.1	44.3	44.5	44.6	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 14000	37.5	43.5	44.1	44.5	44.8	44.9	45.0	45.1	45.1	45.3	45.4	45.4	45.4	45.4	45.4	45.4
≥ 12000	38.8	45.1	45.6	46.1	46.4	46.5	46.6	46.7	46.7	46.9	46.9	46.9	47.0	47.0	47.0	47.0
≥ 10000	41.1	47.8	48.6	49.1	49.3	49.4	49.5	49.7	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 9000	41.6	48.3	49.1	49.6	49.9	50.0	50.1	50.2	50.2	50.4	50.4	50.4	50.5	50.5	50.5	50.5
≥ 8000	43.1	50.5	51.3	51.9	52.2	52.3	52.4	52.5	52.5	52.7	52.7	52.7	52.8	52.8	52.8	52.8
≥ 7000	43.9	51.9	52.8	53.4	53.7	53.8	54.0	54.1	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 6000	44.4	52.6	53.6	54.3	54.6	54.8	54.9	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3
≥ 5000	47.1	56.3	57.5	58.3	58.7	58.9	59.0	59.1	59.1	59.3	59.3	59.3	59.4	59.4	59.4	59.4
≥ 4500	48.7	59.5	59.7	60.6	61.0	61.2	61.3	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 4000	52.1	63.0	64.4	65.5	66.0	66.1	66.3	66.4	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.7
≥ 3500	53.8	65.3	66.9	68.1	68.6	68.8	68.9	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 3000	56.4	69.1	71.0	72.3	72.8	73.1	73.3	73.4	73.4	73.6	73.6	73.6	73.7	73.7	73.7	73.7
≥ 2500	58.7	72.7	74.8	76.3	76.9	77.3	77.6	77.7	77.7	77.9	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2000	61.3	76.5	78.7	80.4	81.1	81.6	81.9	82.1	82.1	82.3	82.3	82.3	82.4	82.4	82.4	82.4
≥ 1800	62.0	77.7	80.0	81.8	82.7	83.2	83.6	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1500	62.8	79.4	81.7	83.7	84.5	85.1	85.4	85.6	85.6	85.9	85.9	85.9	85.9	85.9	85.9	86.0
≥ 1200	63.7	81.3	84.1	86.1	87.1	87.8	88.3	88.5	88.5	88.8	88.8	88.8	88.9	88.9	88.9	88.9
≥ 1000	64.1	82.5	85.3	87.7	88.9	89.7	90.3	90.6	90.6	90.9	90.9	90.9	91.0	91.0	91.0	91.0
≥ 900	64.3	83.1	86.1	88.6	89.9	90.8	91.5	91.8	91.8	92.1	92.1	92.1	92.2	92.2	92.2	92.2
≥ 800	64.5	83.8	86.9	89.5	91.0	92.0	92.8	93.1	93.1	93.5	93.5	93.5	93.6	93.6	93.6	93.6
≥ 700	64.6	84.4	87.6	90.4	92.0	93.2	94.1	94.5	94.5	94.8	94.9	94.9	94.9	94.9	94.9	95.0
≥ 600	64.6	84.7	88.1	91.0	92.7	94.0	95.0	95.5	95.5	95.8	96.0	96.0	96.1	96.1	96.1	96.1
≥ 500	64.7	84.9	88.3	91.4	93.2	94.7	95.8	96.4	96.5	96.9	97.0	97.0	97.2	97.2	97.2	97.2
≥ 400	64.7	85.1	88.6	92.0	93.9	95.5	96.9	97.7	97.7	98.2	98.4	98.4	98.6	98.6	98.6	98.6
≥ 300	64.7	85.1	88.7	92.1	94.0	95.8	97.3	98.2	98.2	98.8	99.1	99.1	99.3	99.3	99.3	99.4
≥ 200	64.7	85.1	88.7	92.1	94.0	95.8	97.3	98.3	98.3	99.0	99.3	99.3	99.6	99.6	99.6	99.7
≥ 100	64.7	85.1	88.7	92.1	94.0	95.8	97.3	98.3	98.3	99.0	99.3	99.3	99.7	99.7	99.8	99.8
≥ 0	64.7	85.1	88.7	92.1	94.0	95.8	97.3	98.3	98.3	99.0	99.4	99.4	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 6355

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4 WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

25 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

000-2300 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	37.4	46.8	47.9	50.4	51.0	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	39.1	48.7	50.5	53.5	54.2	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 18000	39.1	48.7	50.5	53.5	54.2	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 16000	39.1	48.7	50.5	53.5	54.2	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 14000	39.4	49.1	50.9	53.9	54.5	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 12000	40.3	50.8	52.7	55.8	56.5	56.6	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 10000	42.5	53.5	55.5	58.6	59.2	59.4	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 9000	42.9	54.4	56.4	59.5	60.1	60.3	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 8000	44.0	57.1	59.2	62.5	63.1	63.2	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 7000	44.3	58.2	60.3	63.8	64.5	64.7	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 6000	45.2	58.7	60.9	64.5	65.3	65.5	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 5000	47.5	62.9	65.7	69.9	70.9	71.0	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 4500	48.3	64.4	67.4	71.8	72.9	73.1	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4000	49.4	67.4	71.3	76.0	77.5	77.8	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 3500	50.6	68.7	72.6	77.3	78.8	79.1	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 3000	51.6	70.3	74.3	79.4	81.0	81.4	82.3	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6
≥ 2500	53.1	72.5	76.5	81.7	83.4	83.9	84.8	84.9	84.9	84.9	85.1	85.1	85.2	85.2	85.2	85.2
≥ 2000	53.1	72.7	77.1	82.5	84.2	84.7	85.6	85.7	85.7	85.7	85.8	85.8	86.0	86.0	86.0	86.0
≥ 1800	53.2	73.1	77.7	83.1	84.9	85.6	86.5	86.6	86.6	86.6	86.8	86.8	86.9	86.9	86.9	86.9
≥ 1500	53.2	73.2	77.8	83.5	85.3	86.0	86.9	87.0	87.0	87.0	87.1	87.1	87.4	87.4	87.4	87.4
≥ 1200	53.5	74.0	78.7	84.7	86.5	87.5	88.4	88.8	88.8	88.8	89.1	89.1	89.5	89.5	89.5	89.5
≥ 1000	53.5	74.4	79.4	85.5	87.4	88.4	89.4	89.7	89.7	89.7	90.0	90.0	90.4	90.4	90.4	90.4
≥ 900	53.5	74.4	79.4	85.5	87.4	88.6	89.5	89.9	89.9	89.9	90.1	90.1	90.5	90.5	90.5	90.5
≥ 800	53.8	74.7	79.6	85.8	87.8	89.0	89.9	90.3	90.3	90.3	90.5	90.5	90.9	90.9	90.9	90.9
≥ 700	53.8	75.2	80.3	86.6	88.7	89.9	90.9	91.8	91.8	91.8	92.1	92.1	92.5	92.5	92.5	92.5
≥ 600	54.1	75.6	81.8	87.5	89.6	90.8	91.8	92.7	92.7	92.7	93.0	93.0	93.4	93.4	93.4	93.4
≥ 500	54.2	76.5	81.9	89.0	91.0	92.2	93.2	94.2	94.2	94.2	94.5	94.5	94.9	94.9	94.9	94.9
≥ 400	54.2	76.5	81.9	89.4	91.9	93.1	94.5	95.5	95.5	95.5	95.8	95.8	96.2	96.2	96.4	96.4
≥ 300	54.2	76.6	82.1	89.5	92.2	93.6	96.1	97.0	97.0	97.0	97.4	97.4	97.8	97.8	97.9	97.9
≥ 200	54.2	76.9	82.2	89.6	92.3	93.8	96.4	97.5	97.5	97.8	98.3	98.3	98.7	98.7	99.0	99.0
≥ 100	54.2	76.8	82.2	89.6	92.3	93.9	96.5	97.7	97.7	97.9	98.4	98.4	98.8	98.8	99.2	99.5
≥ 0	54.2	76.8	82.2	89.6	92.3	93.9	96.5	97.7	97.7	97.9	98.4	98.4	99.0	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 77

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

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

CEILING VERSUS VISIBILITY

... | YOUNGSTOWN MAP OH (STATION NAME) | 73-81 (YEARS) | MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

... (HOURS LST)

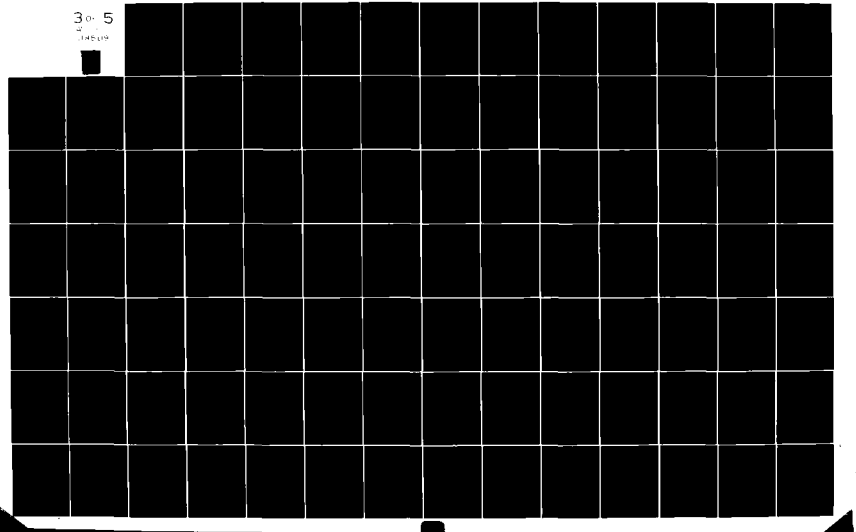
CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	[illegible]	[illegible]	47.9	45.4	45.8	46.5	47.3	47.3	47.5	47.8	47.8	47.8	48.[illegible]	48.[illegible]	48.1	48.1
≥ 20000	31.[illegible]	42.5	45.9	49.5	49.9	50.7	51.6	51.9	52.0	52.4	52.4	52.4	52.5	52.5	52.7	52.7
≥ 18000	31.9	42.5	45.9	49.5	49.9	50.7	51.6	51.9	52.0	52.4	52.4	52.4	52.5	52.5	52.7	52.7
≥ 16000	31.9	42.5	45.9	49.5	49.9	50.7	51.6	51.9	52.0	52.4	52.4	52.4	52.5	52.5	52.7	52.7
≥ 14000	32.3	43.[illegible]	46.4	50.1	50.5	51.2	52.2	52.4	52.5	52.9	52.9	52.9	53.1	53.1	53.2	53.2
≥ 12000	33.2	44.1	47.6	51.2	51.6	52.4	53.3	53.6	53.7	54.1	54.1	54.1	54.2	54.2	54.4	54.4
≥ 10000	34.[illegible]	46.3	49.8	53.5	54.0	54.8	55.8	56.1	56.2	56.6	56.6	56.6	56.7	56.7	56.8	56.8
≥ 9000	35.3	47.1	50.6	54.5	55.0	55.8	56.8	57.2	57.4	57.8	57.8	57.8	57.9	57.9	58.0	58.0
≥ 8000	36.4	49.7	53.5	57.4	58.0	58.8	60.0	60.4	60.5	60.9	60.9	60.9	61.1	61.1	61.3	61.3
≥ 7000	36.4	50.2	54.2	58.1	58.8	59.6	60.8	61.1	61.3	61.7	61.7	61.7	61.9	61.9	62.1	62.1
≥ 6000	37.2	51.1	55.1	59.1	59.7	60.5	61.8	62.2	62.3	62.7	62.7	62.7	63.0	63.0	63.1	63.1
≥ 5000	40.2	55.4	59.5	64.3	64.9	65.7	67.0	67.4	67.5	68.1	68.1	68.1	68.3	68.3	68.4	68.4
≥ 4500	41.6	57.2	61.3	66.1	66.8	67.7	69.2	69.8	69.9	70.4	70.4	70.4	70.7	70.7	70.9	70.8
≥ 4000	43.2	61.8	65.1	70.0	70.9	72.1	73.9	74.4	74.6	75.1	75.2	75.2	75.5	75.5	75.6	75.6
≥ 3500	45.1	63.0	67.4	72.5	73.4	74.7	76.5	77.1	77.2	77.7	77.8	77.8	78.1	78.1	78.2	78.2
≥ 3000	45.6	64.4	69.2	74.6	75.5	76.8	78.6	79.1	79.3	79.8	79.9	79.9	80.2	80.2	80.3	80.4
≥ 2500	46.5	65.8	70.7	76.0	76.9	78.4	80.2	80.7	80.8	81.4	81.5	81.5	81.7	81.7	81.9	82.0
≥ 2000	46.8	66.4	71.2	76.7	77.7	79.1	81.2	81.9	82.0	82.5	82.7	82.7	82.9	82.9	83.1	83.2
≥ 1800	46.9	66.8	71.5	77.1	78.1	79.5	81.6	82.4	82.5	83.1	83.2	83.2	83.4	83.4	83.6	83.7
≥ 1500	47.2	67.0	71.6	77.3	78.4	79.8	81.9	82.7	82.8	83.3	83.4	83.4	83.7	83.7	83.8	84.1
≥ 1200	47.2	67.3	72.2	78.0	79.0	81.1	83.3	84.2	84.4	84.9	85.1	85.1	85.4	85.4	85.5	85.7
≥ 1000	47.3	67.8	73.[illegible]	79.[illegible]	80.1	82.3	84.5	85.4	85.5	86.0	86.3	86.3	86.6	86.6	86.7	86.8
≥ 900	47.3	67.9	73.1	79.3	80.3	82.5	84.7	85.7	85.8	86.3	86.6	86.6	86.8	86.8	87.0	87.1
≥ 800	47.6	68.3	73.7	80.1	81.1	83.4	85.7	86.6	86.7	87.2	87.5	87.5	87.7	87.7	87.9	88.0
≥ 700	47.6	68.6	74.1	80.6	81.6	84.1	86.4	87.6	87.7	88.3	88.5	88.5	88.8	88.8	88.9	89.0
≥ 600	47.6	68.7	74.4	81.2	82.3	84.7	87.1	88.4	88.5	89.0	89.3	89.3	89.6	89.6	89.7	89.8
≥ 500	47.6	69.1	74.9	81.9	82.9	85.4	87.7	89.2	89.3	89.8	90.1	90.1	90.4	90.4	90.5	90.6
≥ 400	47.6	69.2	75.2	83.2	84.7	87.5	90.2	92.2	92.3	93.0	93.2	93.2	93.6	93.6	93.7	93.9
≥ 300	47.6	69.4	75.4	83.7	85.4	88.9	92.0	94.1	94.4	95.2	95.4	95.4	95.8	95.8	96.1	96.2
≥ 200	47.6	69.4	75.4	83.7	85.4	88.9	92.3	94.7	94.9	96.2	96.6	96.6	97.1	97.1	97.5	97.6
≥ 100	47.6	69.4	75.4	83.8	85.5	89.0	92.4	94.9	95.2	96.7	97.4	97.4	98.0	98.0	98.6	99.0
≥ 0	47.6	69.4	75.4	83.8	85.5	89.0	92.4	94.9	95.2	96.7	97.4	97.4	98.0	98.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 767

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

AD-A118 509 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
YOUNGSTOWN MAP, OHIO, REVISED UNIFORM SUMMARY OF SURFACE WEATHE--ETC(U)
MAY 82

UNCLASSIFIED USAFETAC/DS-82/034 SBI-AD-E850 193 NL



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

CEILING VERSUS VISIBILITY

...25 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

...6500-0800 (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	23.1	31.2	34.3	37.5	38.6	40.2	41.3	41.6	41.6	41.7	41.9	41.9	41.9	41.9	42.0	42.0
≥ 20000	24.3	35.8	39.2	43.4	44.5	46.5	48.0	48.4	48.4	48.7	49.0	49.0	49.0	49.0	49.1	49.1
≥ 18000	25.1	36.0	39.5	43.6	44.7	46.8	48.2	48.6	48.6	49.0	49.2	49.2	49.2	49.2	49.3	49.3
≥ 16000	25.1	36.0	39.5	43.6	44.7	46.8	48.2	48.6	48.6	49.0	49.2	49.2	49.2	49.2	49.3	49.3
≥ 14000	25.2	36.2	39.7	43.9	45.1	47.1	48.7	49.1	49.1	49.5	49.7	49.7	49.7	49.7	49.8	49.8
≥ 12000	26.0	37.5	41.1	45.3	46.5	48.7	50.3	50.7	50.7	51.0	51.3	51.3	51.3	51.3	51.4	51.4
≥ 10000	28.3	40.7	44.5	48.8	50.1	52.5	54.1	54.4	54.4	54.8	55.0	55.0	55.0	55.0	55.2	55.2
≥ 9000	28.7	41.2	45.0	49.3	50.5	53.2	54.8	55.3	55.3	55.7	55.9	55.9	55.9	55.9	56.0	56.0
≥ 8000	29.3	42.8	46.5	51.0	52.2	55.3	57.1	57.6	57.6	58.1	58.4	58.4	58.4	58.4	58.6	58.6
≥ 7000	29.9	43.4	47.3	51.8	53.0	56.3	58.1	58.6	58.6	59.1	59.4	59.4	59.4	59.4	59.5	59.5
≥ 6000	30.4	44.8	48.7	53.3	54.6	58.0	59.8	60.3	60.3	60.8	61.1	61.1	61.1	61.1	61.2	61.2
≥ 5000	32.1	47.6	51.6	56.4	57.6	61.1	63.3	63.8	63.8	64.5	65.0	65.0	65.0	65.0	65.1	65.1
≥ 4500	32.7	49.1	53.1	58.0	59.3	63.3	65.5	66.0	66.0	66.7	67.2	67.2	67.2	67.2	67.3	67.3
≥ 4000	33.3	51.2	55.4	60.8	62.3	66.6	68.8	69.4	69.4	70.2	70.8	70.8	70.8	70.8	71.0	71.0
≥ 3500	35.1	52.5	56.9	62.2	63.9	68.2	70.5	71.1	71.1	72.1	72.8	72.8	72.8	72.8	72.9	72.9
≥ 3000	35.5	53.5	57.8	63.3	65.0	69.4	72.1	72.7	72.7	73.6	74.4	74.4	74.4	74.4	74.5	74.5
≥ 2500	36.3	54.9	59.3	64.8	66.5	71.0	73.6	74.2	74.2	75.2	75.9	75.9	75.9	75.9	76.1	76.1
≥ 2000	36.9	56.7	61.1	66.6	68.4	73.1	75.8	76.3	76.4	77.4	78.1	78.1	78.1	78.1	78.3	78.3
≥ 1800	38.3	57.6	62.1	67.6	69.4	74.1	76.9	77.5	77.5	78.5	79.2	79.2	79.2	79.2	79.3	79.3
≥ 1500	38.9	58.4	62.9	68.5	70.4	75.1	77.9	78.5	78.5	79.5	80.2	80.2	80.2	80.2	80.3	80.3
≥ 1200	40.0	59.7	64.3	70.1	71.9	77.0	79.8	80.8	80.8	81.9	82.6	82.6	82.6	82.6	82.7	82.7
≥ 1000	40.5	60.6	65.5	71.3	73.1	78.4	81.5	82.5	82.5	83.7	84.4	84.4	84.4	84.4	84.6	84.6
≥ 900	40.8	61.4	66.5	72.3	74.4	79.7	83.0	84.1	84.1	85.3	86.3	86.3	86.3	86.3	86.4	86.4
≥ 800	40.9	61.7	66.8	72.8	74.8	80.4	83.8	85.1	85.1	86.3	87.2	87.2	87.2	87.2	87.4	87.4
≥ 700	40.9	62.6	68.1	74.1	76.2	82.4	85.8	87.1	87.1	88.5	89.4	89.4	89.4	89.4	89.6	89.6
≥ 600	40.9	62.8	68.3	74.6	76.8	83.4	87.1	88.5	88.5	89.8	90.9	90.9	90.9	90.9	91.0	91.0
≥ 500	40.9	63.4	69.1	75.6	77.8	84.7	88.6	89.9	89.9	91.5	92.6	92.6	92.6	92.6	92.7	92.7
≥ 400	41.1	63.5	69.4	75.8	78.3	85.7	90.0	91.5	91.5	93.6	94.8	94.8	94.8	94.8	94.9	94.9
≥ 300	41.2	63.8	69.6	76.2	78.6	86.6	91.5	93.0	93.0	95.4	96.7	96.7	96.7	96.7	96.8	97.0
≥ 200	41.2	63.8	69.6	76.2	78.6	86.6	91.7	93.3	93.3	96.5	98.2	98.2	98.3	98.3	98.7	98.8
≥ 100	41.2	63.8	69.6	76.2	78.6	86.6	91.7	93.3	93.3	96.5	98.2	98.2	98.7	98.7	99.3	99.5
≥ 0	41.2	63.8	69.6	76.2	78.6	86.6	91.7	93.3	93.3	96.5	98.2	98.2	98.7	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 823

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

[redacted] STATION | YOUNGSTOWN 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	≥½	≥¼	≥5/16	≥0	
NO CEILING	26.9	34.3	35.3	36.3	37.9	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 20000	29.0	39.6	41.6	41.6	43.5	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 18000	29.8	39.6	41.7	41.7	43.6	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 16000	29.8	39.6	41.7	41.7	43.6	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 14000	30.1	41.1	41.5	42.7	44.6	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 12000	31.2	42.0	43.6	44.9	46.8	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 10000	33.7	46.0	48.1	49.8	51.6	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 9000	33.8	46.3	48.5	50.2	52.1	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 8000	34.4	47.7	50.0	51.9	54.0	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 7000	34.7	48.1	50.5	52.5	54.6	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 6000	35.2	49.5	52.0	54.0	56.0	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 5000	36.5	51.7	54.4	56.8	59.0	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1
≥ 4500	37.2	52.6	55.4	57.8	60.1	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2
≥ 4000	38.4	54.8	57.9	60.4	63.1	64.2	64.4	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.7
≥ 3500	41.4	58.1	61.4	63.9	66.5	67.7	67.9	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.3
≥ 3000	43.6	61.4	64.6	67.4	70.1	71.2	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.9
≥ 2500	46.4	64.9	68.4	71.5	74.3	75.4	75.8	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.2
≥ 2000	48.9	68.1	71.6	75.1	77.9	79.1	79.6	79.6	79.6	79.9	79.9	79.9	79.9	79.9	79.9	80.0
≥ 1800	49.5	69.5	73.0	76.4	79.3	80.6	81.1	81.2	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.6
≥ 1500	50.4	71.1	74.6	78.3	81.4	82.7	83.2	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.7
≥ 1200	51.4	73.0	76.8	80.4	84.0	86.0	86.7	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.2
≥ 1000	51.7	74.2	79.4	82.2	85.9	88.1	88.9	89.0	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.4
≥ 900	52.2	75.2	79.5	83.6	87.3	89.6	90.4	90.5	90.5	90.7	90.7	90.7	90.7	90.7	90.7	90.9
≥ 800	52.3	75.8	80.2	84.4	88.4	90.9	92.0	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.5
≥ 700	52.3	75.8	80.2	84.4	88.8	91.6	92.8	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.3
≥ 600	52.6	76.3	81.0	85.4	89.8	93.0	94.7	94.9	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.4
≥ 500	52.7	76.4	81.2	85.8	90.1	93.6	95.7	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.7
≥ 400	52.7	76.4	81.5	86.0	90.6	94.4	96.8	97.7	97.7	98.3	98.4	98.4	98.4	98.4	98.4	98.5
≥ 300	52.7	76.4	81.5	86.0	90.7	94.7	97.2	98.1	98.1	99.1	99.3	99.3	99.3	99.3	99.3	99.4
≥ 200	52.7	76.4	81.5	86.0	90.7	94.7	97.2	98.1	98.1	99.3	99.5	99.5	99.8	99.8	99.8	99.9
≥ 100	52.7	76.4	81.5	86.0	90.7	94.7	97.2	98.1	98.1	99.3	99.5	99.5	99.9	99.9	99.9	100.0
≥ 0	52.7	76.4	81.5	86.0	90.7	94.7	97.2	98.1	98.1	99.3	99.5	99.5	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 813

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

SIGNAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

25 (STATION) YOUNGSTOWN 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	≥½	≥¼	≥5/16	≥0	0
NO CEILING	27.1	32.1	33.2	33.2	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 20000	32.3	38.9	40.2	40.2	40.7	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9	40.9
≥ 18000	32.6	39.2	40.6	40.6	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 16000	32.6	39.2	40.6	40.6	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 14000	33.2	39.9	41.2	41.3	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 12000	35.6	43.3	44.6	44.7	45.2	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 10000	37.4	46.5	48.0	48.1	48.6	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 9000	37.5	46.7	48.1	48.2	48.7	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 8000	38.2	47.9	49.3	49.5	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 7000	38.6	48.5	49.9	50.1	50.5	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 6000	39.1	49.3	50.4	50.5	51.0	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 5000	40.9	52.0	53.5	53.8	54.4	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 4500	43.6	55.2	56.6	57.0	57.6	57.8	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 4000	48.3	61.0	62.5	62.9	63.7	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 3500	53.5	67.2	68.8	69.4	70.4	71.0	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 3000	56.1	71.2	73.3	74.2	75.2	76.1	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 2500	60.4	77.3	79.6	80.6	81.7	82.6	82.9	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 2000	61.1	79.5	82.3	83.8	84.9	86.3	86.5	86.6	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1800	61.5	80.6	83.4	85.1	86.4	87.8	88.1	88.2	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1500	62.1	81.7	84.4	86.5	88.1	89.7	90.0	90.3	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1200	62.8	83.4	86.1	88.6	90.3	92.0	92.3	92.6	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1000	62.9	83.7	86.5	88.9	90.9	92.6	93.2	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 900	62.9	84.2	87.1	89.4	91.6	93.3	94.2	94.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	62.9	84.4	87.2	89.7	92.0	93.7	94.9	95.3	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 700	62.9	84.6	87.5	90.0	92.5	94.2	95.7	96.1	96.1	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 600	63.2	85.1	88.1	90.8	93.3	95.3	97.2	97.7	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	63.2	85.2	88.3	91.0	93.7	95.7	97.9	98.4	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	63.2	85.3	88.5	91.1	93.9	96.2	98.4	99.0	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	63.2	85.3	88.5	91.1	93.9	96.2	98.5	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	63.2	85.3	88.5	91.1	93.9	96.2	98.5	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	63.2	85.3	88.5	91.1	93.9	96.2	98.5	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	63.2	85.3	88.5	91.1	93.9	96.2	98.5	99.3	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 823

USAF ETAC FORM NOV 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] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	33.5	36.4	37.1	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 20000	36.4	43.6	44.4	44.5	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 18000	36.4	43.6	44.4	44.5	44.7	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 16000	36.5	43.8	44.5	44.6	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 14000	36.6	43.9	44.6	44.7	45.0	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 12000	38.2	46.2	47.2	47.4	47.7	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 10000	40.6	49.4	50.5	50.9	51.2	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 9000	40.3	49.8	50.9	51.2	51.6	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 8000	43.0	52.6	53.7	54.0	54.4	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 7000	43.2	53.4	54.7	55.0	55.4	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 6000	44.1	54.2	55.4	55.8	56.1	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 5000	47.3	58.6	60.0	60.4	60.8	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 4500	51.5	64.1	65.7	66.1	66.5	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 4000	54.3	69.1	71.2	71.7	72.4	73.3	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3500	58.6	74.0	76.7	77.8	78.7	79.5	79.8	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 3000	60.3	77.3	80.4	81.5	82.4	83.2	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2500	61.5	80.8	84.2	85.3	86.3	87.6	88.2	88.4	89.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2000	61.6	81.6	85.2	86.4	87.5	88.8	89.5	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	61.6	82.2	86.0	87.3	88.5	90.0	90.6	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1500	62.1	83.1	87.0	88.4	89.7	91.7	92.3	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1200	62.9	83.8	87.7	89.6	90.9	93.0	93.8	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1000	63.0	84.2	88.1	90.1	91.5	93.6	94.5	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 900	63.1	84.7	88.7	90.8	92.3	94.5	95.5	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 800	63.2	84.8	88.8	91.1	92.5	94.9	96.1	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 700	63.4	85.0	89.1	91.3	92.8	95.2	96.4	97.4	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	63.5	85.2	89.2	91.7	93.1	95.6	96.8	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	63.5	85.2	89.3	92.3	93.8	96.3	97.5	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	63.5	85.2	89.3	92.3	93.8	96.3	97.5	98.9	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	63.5	85.2	89.3	92.4	93.9	96.6	97.8	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	63.5	85.2	89.3	92.4	93.9	96.6	97.8	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	63.5	85.2	89.3	92.4	93.9	96.6	97.8	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	63.5	85.2	89.3	92.4	93.9	96.6	97.8	99.1	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 816

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

CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23 STATION | YOUNGSTOWN 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	34.3	41.1	42.1	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 20000	42.7	49.9	50.9	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 18000	42.7	49.9	50.9	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 16000	42.7	49.9	50.9	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 14000	43.1	50.2	51.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	44.0	51.9	53.2	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 10000	45.0	54.0	55.4	56.4	56.4	56.4	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 9000	45.5	54.7	56.1	57.2	57.4	57.4	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 8000	46.1	56.2	57.7	59.0	59.2	59.2	59.2	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 7000	46.4	57.2	58.8	60.1	60.3	60.3	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 6000	47.8	59.5	61.1	62.4	62.7	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 5000	51.3	65.1	67.0	68.4	68.6	69.0	69.1	69.5	69.5	69.6	69.6	69.6	69.7	69.7	69.7	69.7
≥ 4500	54.3	68.9	71.3	72.7	73.0	73.4	73.6	74.0	74.0	74.1	74.1	74.1	74.2	74.2	74.2	74.2
≥ 4000	56.6	71.9	74.8	76.8	77.3	77.7	78.1	78.5	78.5	78.6	78.6	78.6	78.7	78.7	78.7	78.7
≥ 3500	58.4	74.5	77.5	79.6	80.0	80.9	81.3	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.0
≥ 3000	59.9	76.3	79.6	81.8	82.4	83.2	83.8	84.3	84.3	84.4	84.4	84.4	84.5	84.5	84.5	84.5
≥ 2500	60.7	78.1	81.8	84.1	84.8	86.5	87.5	88.0	88.0	88.1	88.1	88.1	88.2	88.2	88.2	88.2
≥ 2000	61.6	79.6	83.5	35.8	86.5	88.2	89.4	89.9	89.9	90.0	90.0	90.0	90.1	90.1	90.1	90.1
≥ 1800	61.9	80.2	84.1	86.4	87.1	88.9	90.1	90.6	90.6	90.8	90.8	90.8	90.9	90.9	90.9	90.9
≥ 1500	62.2	80.8	84.7	87.2	88.2	90.3	91.7	92.3	92.3	92.5	92.5	92.5	92.6	92.6	92.6	92.6
≥ 1200	62.4	81.3	85.3	88.4	89.5	91.6	93.2	93.8	93.8	93.9	94.2	94.2	94.3	94.3	94.3	94.3
≥ 1000	62.8	81.6	85.8	88.9	90.1	92.2	93.9	94.5	94.5	94.6	94.9	94.9	95.0	95.0	95.0	95.0
≥ 900	62.8	81.8	86.1	89.3	90.5	92.6	94.3	94.9	94.9	95.0	95.3	95.3	95.4	95.4	95.4	95.4
≥ 800	62.8	81.8	86.2	89.3	90.6	92.7	94.4	95.0	95.0	95.1	95.4	95.4	95.5	95.5	95.5	95.5
≥ 700	62.9	82.1	86.4	89.8	91.1	93.4	95.3	95.9	95.9	96.0	96.2	96.2	96.4	96.4	96.4	96.4
≥ 600	62.9	82.1	86.5	89.9	91.2	93.7	95.6	96.4	96.4	96.6	96.8	96.8	97.0	97.0	97.0	97.0
≥ 500	62.9	82.1	86.5	89.9	91.2	93.7	95.9	96.8	96.8	97.1	97.3	97.3	97.4	97.4	97.4	97.4
≥ 400	62.9	82.1	86.6	90.0	91.5	94.0	96.7	98.1	98.1	98.3	98.5	98.5	98.7	98.7	98.7	98.7
≥ 300	62.9	82.2	86.7	90.1	91.6	94.2	97.3	98.7	98.7	99.0	99.3	99.3	99.4	99.4	99.4	99.4
≥ 200	62.9	82.2	86.7	90.1	91.6	94.2	97.3	98.7	98.7	99.1	99.4	99.4	99.5	99.5	99.5	99.6
≥ 100	62.9	82.2	86.7	90.1	91.6	94.2	97.3	98.7	98.7	99.1	99.5	99.5	99.9	99.9	99.9	100.0
≥ 0	62.9	82.2	86.7	90.1	91.6	94.2	97.3	98.7	98.7	99.1	99.5	99.5	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 822

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

[redacted] STATION | YOUNGSTOWN 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	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	39.2	47.0	48.4	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	42.9	52.4	53.4	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 18000	42.9	52.4	53.4	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 16000	42.9	52.4	53.4	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 14000	43.6	53.1	54.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 12000	44.3	54.8	55.8	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 10000	46.5	56.7	58.0	60.0	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4
≥ 9000	47.4	58.0	59.2	61.3	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.7	61.7	61.7	61.7	61.7
≥ 8000	48.0	59.5	61.0	63.2	63.3	63.4	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7
≥ 7000	49.3	60.5	62.4	64.7	64.8	65.0	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2
≥ 6000	50.2	62.2	64.1	66.4	66.5	66.6	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0
≥ 5000	52.4	65.5	67.9	71.2	71.5	71.6	71.8	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1
≥ 4500	53.1	67.4	71.3	73.8	74.0	74.3	74.5	74.6	74.6	74.6	74.6	74.8	74.8	74.8	74.8	74.8
≥ 4000	55.3	71.1	74.5	76.6	78.9	79.2	79.5	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7
≥ 3500	55.8	72.4	75.9	80.0	80.3	80.6	80.9	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1
≥ 3000	56.3	74.1	77.8	82.3	82.5	83.1	83.6	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8
≥ 2500	56.9	75.3	79.2	83.8	84.2	85.1	85.7	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1
≥ 2000	57.6	76.2	80.4	85.5	86.0	87.0	87.6	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0	88.0
≥ 1800	57.6	76.3	80.6	86.0	86.5	87.6	88.3	88.5	88.5	88.5	88.5	88.7	88.7	88.7	88.7	88.7
≥ 1500	57.6	77.1	81.7	87.1	87.8	88.9	89.6	89.9	89.9	89.9	89.9	90.1	90.1	90.1	90.1	90.1
≥ 1200	57.8	78.0	82.5	88.0	88.7	89.9	90.6	91.3	91.3	91.3	91.3	91.5	91.5	91.5	91.5	91.5
≥ 1000	58.1	79.0	83.6	89.4	90.2	91.5	92.1	92.9	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0
≥ 900	58.1	79.1	83.7	89.8	90.6	91.8	92.5	93.2	93.2	93.2	93.2	93.4	93.4	93.4	93.4	93.4
≥ 800	58.1	79.4	84.1	90.3	91.1	92.4	93.0	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9
≥ 700	58.1	79.5	84.2	90.4	91.2	92.5	93.1	94.0	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1
≥ 600	58.2	79.6	84.3	90.7	91.5	92.9	93.5	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5
≥ 500	58.2	79.9	84.7	91.2	92.0	93.4	94.3	95.2	95.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5
≥ 400	58.3	80.3	85.2	92.1	92.9	94.5	96.1	97.1	97.1	97.2	97.3	97.5	97.5	97.5	97.5	97.5
≥ 300	58.3	80.6	85.6	92.7	93.5	95.2	96.9	98.1	98.1	98.2	98.3	98.5	98.5	98.5	98.5	98.5
≥ 200	58.3	80.6	85.6	92.7	93.9	95.5	97.6	98.9	98.9	99.2	99.4	99.5	99.5	99.5	99.5	99.5
≥ 100	58.3	80.6	85.6	92.7	93.9	95.5	97.6	98.9	98.9	99.2	99.4	99.5	99.5	99.5	99.9	99.9
≥ 0	58.3	80.6	85.6	92.7	93.9	95.5	97.6	98.9	98.9	99.2	99.4	99.5	99.5	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 785

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

[illegible] 2[illegible] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	31.1	38.5	40.0	41.4	42.0	42.3	42.6	42.6	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8
≥ 20000	34.9	43.4	45.6	47.4	48.0	48.5	48.8	48.9	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.1
≥ 18000	35.0	43.9	45.7	47.5	48.1	48.6	48.9	49.0	49.0	49.1	49.2	49.2	49.2	49.2	49.2	49.2
≥ 16000	35.0	43.9	45.7	47.5	48.1	48.6	48.9	49.0	49.0	49.1	49.2	49.2	49.2	49.2	49.2	49.2
≥ 14000	35.4	44.4	46.1	48.0	48.6	49.2	49.5	49.6	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8
≥ 12000	35.7	46.3	48.1	50.1	50.7	51.3	51.7	51.8	51.8	51.9	51.9	51.9	51.9	51.9	52.0	52.0
≥ 10000	38.6	49.1	51.2	53.2	53.8	54.4	54.9	55.0	55.0	55.1	55.1	55.1	55.2	55.2	55.2	55.2
≥ 9000	38.9	49.7	51.8	53.8	54.5	55.2	55.6	55.7	55.8	55.9	55.9	55.9	55.9	55.9	56.0	56.0
≥ 8000	39.9	51.6	53.8	56.0	56.7	57.4	57.9	58.0	58.0	58.2	58.2	58.2	58.2	58.2	58.3	58.3
≥ 7000	40.4	52.4	54.7	56.9	57.7	58.4	58.9	59.0	59.0	59.1	59.2	59.2	59.2	59.2	59.3	59.3
≥ 6000	41.1	53.6	55.9	58.2	58.9	59.6	60.2	60.3	60.3	60.5	60.5	60.5	60.6	60.6	60.6	60.6
≥ 5000	43.5	57.3	59.9	62.5	63.4	64.2	64.9	65.0	65.1	65.2	65.3	65.3	65.4	65.4	65.4	65.4
≥ 4500	45.3	59.8	62.6	65.3	66.2	67.1	67.8	68.0	68.1	68.3	68.3	68.3	68.4	68.4	68.4	68.4
≥ 4000	47.6	63.4	66.5	69.5	70.7	71.8	72.6	72.8	72.8	73.0	73.1	73.1	73.2	73.2	73.2	73.2
≥ 3500	49.8	66.3	69.6	72.8	73.9	75.2	75.9	76.2	76.2	76.5	76.6	76.6	76.6	76.6	76.7	76.7
≥ 3000	51.1	68.5	72.1	75.5	76.7	78.0	78.9	79.2	79.2	79.5	79.6	79.6	79.7	79.7	79.7	79.7
≥ 2500	52.8	71.2	75.0	78.4	79.7	81.3	82.3	82.6	82.6	82.9	83.0	83.0	83.1	83.1	83.1	83.2
≥ 2000	53.6	72.6	76.6	80.3	81.6	83.3	84.4	84.7	84.7	85.0	85.1	85.1	85.2	85.2	85.2	85.3
≥ 1800	53.9	73.3	77.3	81.1	82.5	84.3	85.4	85.7	85.8	86.0	86.2	86.2	86.2	86.2	86.3	86.3
≥ 1500	54.3	74.1	78.2	82.1	83.7	85.5	86.7	87.1	87.1	87.4	87.5	87.5	87.6	87.6	87.6	87.7
≥ 1200	54.5	75.1	79.3	83.5	85.1	87.3	88.5	89.1	89.1	89.4	89.6	89.6	89.7	89.7	89.7	89.8
≥ 1000	55.0	75.7	80.1	84.4	86.2	88.4	89.8	90.3	90.4	90.7	90.9	90.9	91.0	91.0	91.0	91.0
≥ 900	55.2	76.1	80.5	85.0	86.8	89.1	90.5	91.1	91.1	91.5	91.7	91.7	91.8	91.8	91.8	91.9
≥ 800	55.3	76.4	80.9	85.4	87.3	89.7	91.3	91.9	91.9	92.2	92.4	92.5	92.5	92.5	92.6	92.6
≥ 700	55.3	76.7	81.3	85.9	87.9	90.4	92.1	92.9	92.9	93.3	93.5	93.5	93.6	93.6	93.6	93.7
≥ 600	55.4	77.0	81.6	86.5	88.5	91.2	93.0	93.9	93.9	94.3	94.5	94.6	94.7	94.7	94.7	94.7
≥ 500	55.5	77.3	82.0	87.1	89.1	91.9	93.9	94.9	94.9	95.3	95.6	95.6	95.7	95.7	95.7	95.8
≥ 400	55.5	77.4	82.2	87.5	89.7	92.8	95.1	96.3	96.3	96.9	97.2	97.2	97.3	97.3	97.4	97.4
≥ 300	55.5	77.5	82.4	87.7	90.0	93.3	95.9	97.2	97.2	98.0	98.3	98.3	98.5	98.5	98.5	98.6
≥ 200	55.5	77.5	82.4	87.7	90.0	93.3	96.1	97.5	97.5	98.5	98.9	99.2	99.1	99.1	99.3	99.3
≥ 100	55.5	77.5	82.4	87.7	90.1	93.4	96.2	97.5	97.5	98.6	99.1	99.1	99.4	99.4	99.6	99.7
≥ 0	55.5	77.5	82.4	87.7	90.1	93.4	96.2	97.5	97.5	98.6	99.1	99.1	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6416

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

CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

220	YOUNGSTOWN MAP OH	73-81	JUN
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	≥1¾	≥1½	≥1	≥⅞	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	32.7	43.2	48.7	51.1	53.5	54.4	55.1	55.8	55.8	55.8	55.8	55.8	56.2	56.4	56.4	56.4
≥ 20000	34.4	46.3	51.8	55.7	58.8	59.6	60.3	61.0	61.0	61.0	61.0	61.0	61.5	61.6	61.6	61.6
≥ 18000	34.4	46.3	51.8	55.7	58.8	59.6	60.3	61.0	61.0	61.0	61.0	61.0	61.5	61.6	61.6	61.6
≥ 16000	34.4	46.3	51.8	55.7	58.8	59.6	60.3	61.0	61.0	61.0	61.0	61.0	61.5	61.6	61.6	61.6
≥ 14000	34.4	46.3	51.8	55.7	58.9	59.8	60.5	61.2	61.2	61.2	61.2	61.2	61.6	61.8	61.8	61.8
≥ 12000	34.8	47.6	53.1	56.9	60.3	61.2	61.9	62.6	62.6	62.6	62.6	62.6	63.0	63.2	63.2	63.2
≥ 10000	37.0	50.1	55.8	60.9	64.6	65.4	66.3	67.0	67.0	67.0	67.0	67.0	67.4	67.6	67.6	67.6
≥ 9000	37.7	51.0	56.8	61.9	65.6	66.4	67.3	68.0	68.0	68.0	68.0	68.0	68.4	68.6	68.6	68.6
≥ 8000	38.5	52.7	58.6	64.0	68.1	69.0	69.8	70.5	70.5	70.5	70.5	70.5	71.0	71.1	71.1	71.1
≥ 7000	39.9	54.2	60.2	65.6	69.7	70.5	71.7	72.5	72.5	72.5	72.5	72.5	72.9	73.1	73.1	73.1
≥ 6000	40.2	54.8	60.9	66.3	70.4	71.2	72.4	73.2	73.2	73.2	73.2	73.2	73.7	73.8	73.8	73.8
≥ 5000	41.6	56.1	64.4	73.5	75.1	75.9	77.6	78.5	78.5	78.5	78.5	78.5	78.9	79.0	79.0	79.0
≥ 4500	41.6	56.9	65.6	71.7	76.2	77.	78.9	79.7	79.7	79.7	79.7	79.7	80.2	80.3	80.3	80.3
≥ 4000	43.1	62.2	73.4	76.5	81.0	81.9	83.7	84.6	84.6	84.6	84.6	84.6	85.0	85.1	85.1	85.1
≥ 3500	43.3	62.7	71.1	77.8	82.3	83.3	85.3	86.3	86.3	86.3	86.3	86.3	86.7	86.8	86.8	86.8
≥ 3000	43.6	64.4	72.8	80.0	84.6	85.6	87.5	88.5	88.5	88.5	88.5	88.5	89.0	89.1	89.1	89.1
≥ 2500	44.1	65.7	74.1	81.3	85.8	86.8	88.8	89.8	89.8	89.8	89.8	89.8	90.2	90.4	90.4	90.4
≥ 2000	44.3	66.6	74.9	82.7	87.3	88.2	90.4	91.6	91.6	91.6	91.8	91.8	92.2	92.4	92.4	92.4
≥ 1800	44.6	67.0	75.4	83.6	88.1	89.1	91.2	92.5	92.5	92.5	92.6	92.6	93.1	93.2	93.2	93.2
≥ 1500	44.6	67.3	75.6	83.9	88.4	89.4	91.9	93.2	93.2	93.2	93.3	93.3	93.8	93.9	93.9	93.9
≥ 1200	44.8	67.4	76.2	84.6	89.1	90.1	92.6	93.9	93.9	93.9	94.1	94.1	94.5	94.6	94.6	94.6
≥ 1000	44.8	67.6	76.3	84.7	89.2	90.2	92.8	94.2	94.2	94.2	94.3	94.3	94.8	94.9	94.9	94.9
≥ 900	44.8	67.6	76.8	85.1	89.8	90.8	93.3	94.8	94.8	94.8	94.9	94.9	95.3	95.5	95.5	95.5
≥ 800	44.9	67.8	77.3	86.0	90.7	91.6	94.2	95.8	95.8	95.8	95.9	95.9	96.3	96.5	96.5	96.5
≥ 700	44.9	68.1	77.6	86.4	91.1	92.1	94.6	96.2	96.2	96.2	96.3	96.3	96.7	96.9	96.9	96.9
≥ 600	44.9	68.1	77.8	86.7	91.5	92.5	95.0	96.6	96.6	96.6	96.7	96.7	97.2	97.3	97.3	97.3
≥ 500	44.9	68.1	78.3	87.4	92.2	93.3	96.0	97.6	97.6	97.6	97.7	97.7	98.2	98.3	98.3	98.3
≥ 400	44.9	68.3	78.5	87.7	92.5	93.8	96.6	98.2	98.2	98.2	98.3	98.3	98.7	98.9	98.9	98.9
≥ 300	44.9	68.4	78.6	87.8	92.8	94.1	97.2	99.0	99.0	99.0	99.2	99.2	99.6	99.7	99.7	99.7
≥ 200	44.9	68.4	78.6	87.8	92.8	94.1	97.2	99.0	99.0	99.0	99.2	99.2	99.6	99.7	99.7	99.7
≥ 100	44.9	68.4	78.6	87.8	92.8	94.1	97.2	99.0	99.2	99.3	99.4	99.4	99.9	100.0	100.0	100.0
≥ 0	44.9	68.4	78.6	87.8	92.8	94.1	97.2	99.0	99.2	99.3	99.4	99.4	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 706

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

...L...AL CLIMATOLOGY BRANCH
...ETAC
4... ...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...25 STATION | YOUNGSTO..N MAP OH STATION NAME | 73-81 YEARS | JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500C 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	28.7	39.7	42.4	47.7	49.8	51.1	51.9	53.3	53.3	53.7	53.9	53.9	54.7	55.2	55.3	55.6
≥ 20000	29.1	41.7	44.6	50.2	52.8	54.0	55.2	56.7	56.7	57.1	57.3	57.3	58.1	58.4	58.7	59.0
≥ 18000	29.1	41.7	44.6	50.2	52.8	54.0	55.2	56.7	56.7	57.1	57.3	57.3	58.1	58.4	58.7	59.0
≥ 16000	29.1	41.7	44.6	50.2	52.8	54.0	55.2	56.7	56.7	57.1	57.3	57.3	58.1	58.4	58.7	59.0
≥ 14000	29.3	42.0	44.8	50.5	53.0	54.3	55.4	57.0	57.0	57.4	57.6	57.6	58.4	58.7	59.0	59.3
≥ 12000	29.7	43.0	46.3	51.8	54.3	55.6	56.7	58.3	58.3	58.7	58.8	58.8	59.7	60.0	60.3	60.5
≥ 10000	30.6	44.7	47.8	53.9	56.9	58.3	59.4	61.0	61.0	61.4	61.5	61.5	62.4	62.7	62.9	63.2
≥ 9000	31.1	45.3	48.4	54.5	57.6	59.0	60.3	61.8	61.8	62.2	62.4	62.4	63.2	63.5	63.8	64.1
≥ 8000	32.0	46.7	49.8	56.2	59.7	61.2	62.7	64.2	64.2	64.6	64.8	64.8	65.6	65.9	66.2	66.5
≥ 7000	33.4	48.4	51.5	57.9	61.5	63.1	64.6	66.5	66.5	66.9	67.0	67.2	68.0	68.3	68.6	68.9
≥ 6000	33.7	48.9	52.2	58.6	62.2	63.8	65.3	67.2	67.2	67.6	67.8	67.9	68.7	69.0	69.3	69.6
≥ 5000	34.2	50.6	54.5	61.4	65.5	67.5	69.0	71.1	71.3	71.7	71.9	72.0	72.8	73.1	73.4	73.8
≥ 4500	35.1	52.1	56.0	63.1	67.3	69.3	70.9	73.0	73.1	73.6	73.7	73.8	74.7	75.0	75.2	75.7
≥ 4000	36.1	54.2	58.3	66.3	70.6	72.7	74.7	76.8	76.9	77.4	77.7	77.8	78.6	78.9	79.2	79.6
≥ 3500	36.4	54.9	59.7	67.9	72.7	74.8	76.8	78.9	79.1	79.5	79.8	79.9	80.8	81.0	81.3	81.8
≥ 3000	37.1	55.9	61.3	69.3	74.3	76.7	78.6	80.8	80.9	81.3	81.6	81.8	82.6	82.9	83.2	83.6
≥ 2500	37.2	57.0	62.4	70.9	76.0	78.4	80.3	82.5	82.6	83.2	83.5	83.6	84.4	84.7	85.0	85.4
≥ 2000	37.9	58.1	64.1	72.6	77.9	81.3	82.5	84.6	84.7	85.3	85.6	85.7	86.6	86.8	87.1	87.6
≥ 1800	37.9	58.4	64.4	72.8	78.4	80.8	82.9	85.0	85.1	85.7	86.0	86.1	87.0	87.3	87.8	88.3
≥ 1500	38.2	58.8	64.8	73.4	79.9	81.3	83.7	86.1	86.3	86.8	87.1	87.3	88.1	88.4	89.2	89.4
≥ 1200	38.3	59.4	65.3	74.1	79.6	82.0	84.6	87.0	87.1	87.7	88.0	88.1	89.0	89.3	89.8	90.2
≥ 1000	38.3	60.0	66.1	75.1	80.6	83.0	85.7	88.1	88.3	88.8	89.1	89.3	90.1	90.4	90.9	91.4
≥ 900	38.3	60.3	66.8	75.8	81.5	83.9	86.6	89.0	89.1	89.7	90.0	90.1	90.9	91.2	91.8	92.2
≥ 800	38.5	60.7	67.5	76.7	82.5	84.9	87.7	90.2	90.4	90.9	91.2	91.4	92.2	92.5	93.1	93.5
≥ 700	38.5	60.8	67.6	76.9	82.9	85.3	88.3	90.8	90.9	91.5	91.8	91.9	92.8	93.1	93.6	94.1
≥ 600	38.8	61.1	67.9	77.7	83.6	86.0	89.1	91.7	91.8	92.5	92.8	92.9	93.8	94.1	94.6	95.0
≥ 500	38.8	61.2	68.0	78.2	84.2	86.6	90.0	92.8	92.9	93.6	93.9	94.1	94.9	95.2	95.8	96.2
≥ 400	38.8	61.4	68.2	78.6	84.9	87.3	91.1	94.2	94.3	95.0	95.3	95.5	96.3	96.6	97.2	97.6
≥ 300	38.8	61.4	68.3	79.1	85.3	87.7	91.9	95.2	95.3	96.2	96.7	96.9	97.9	98.2	98.7	99.2
≥ 200	38.8	61.4	68.3	79.1	85.3	87.7	91.9	95.2	95.3	96.2	96.7	96.9	97.9	98.2	98.7	99.2
≥ 100	38.8	61.4	68.3	79.1	85.3	87.7	91.9	95.2	95.3	96.2	96.7	96.9	97.9	98.2	98.9	99.7
≥ 0	38.8	61.4	68.3	79.1	85.3	87.7	91.9	95.2	95.3	96.2	96.7	96.9	97.9	98.2	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 707

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

AL PAL CLIMATOLOGY BRANCH
ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	23.9	35.5	39.7	42.5	45.2	46.1	48.2	49.3	49.3	49.6	49.6	49.6	49.7	49.7	50.2	50.4
≥ 20000	25.3	38.9	42.5	46.3	49.1	50.4	52.8	54.3	54.3	54.5	54.7	54.7	54.8	54.8	55.3	55.5
≥ 18000	25.5	38.9	42.5	46.3	49.1	50.4	52.9	54.4	54.4	54.7	54.8	54.8	54.9	54.9	55.4	55.7
≥ 16000	25.5	38.9	42.5	46.3	49.1	50.4	52.9	54.4	54.4	54.7	54.8	54.8	54.9	54.9	55.4	55.7
≥ 14000	25.9	39.1	42.7	46.6	49.3	50.7	53.2	54.7	54.7	54.9	55.0	55.0	55.2	55.2	55.7	55.9
≥ 12000	26.5	40.1	44.	47.9	51.1	52.8	55.4	56.9	56.9	57.2	57.3	57.3	57.4	57.4	57.9	58.2
≥ 10000	27.3	42.3	46.5	50.4	53.5	55.5	58.3	59.8	59.8	60.0	60.1	60.1	60.3	60.3	60.8	61.0
≥ 9000	27.8	42.6	46.9	50.9	54.0	56.0	58.8	60.3	60.3	60.5	60.6	60.6	60.8	60.8	61.3	61.5
≥ 8000	28.9	44.5	49.4	53.8	57.4	60.1	62.9	64.6	64.6	65.0	65.1	65.1	65.3	65.3	65.8	66.0
≥ 7000	29.1	45.5	50.1	54.7	58.3	61.1	64.1	65.9	65.9	66.4	66.5	66.5	66.6	66.6	67.1	67.4
≥ 6000	29.3	45.6	50.2	54.8	58.4	61.4	64.4	66.1	66.1	66.6	66.7	66.7	66.9	66.9	67.4	67.6
≥ 5000	30.5	47.3	52.3	57.7	61.6	65.0	68.5	70.5	70.5	71.0	71.1	71.2	71.4	71.4	71.9	72.1
≥ 4500	31.3	48.3	53.4	58.8	62.8	66.3	69.7	72.0	72.0	72.5	72.7	72.9	73.0	73.0	73.5	73.7
≥ 4000	31.3	49.2	54.5	60.1	64.3	67.9	71.6	73.8	73.8	74.3	74.7	74.8	75.0	75.0	75.5	75.7
≥ 3500	31.6	49.9	55.4	61.3	65.4	69.1	73.0	75.2	75.2	75.7	76.1	76.2	76.3	76.3	76.8	77.1
≥ 3000	32.1	50.7	56.2	62.1	66.4	70.5	74.3	77.1	77.1	77.6	78.0	78.1	78.2	78.2	78.7	79.0
≥ 2500	32.9	51.6	57.4	63.4	67.6	72.2	76.1	79.0	79.0	79.6	80.0	80.1	80.2	80.2	80.7	80.9
≥ 2000	33.3	52.6	58.4	64.4	68.6	73.5	77.7	80.8	80.8	81.4	81.9	82.1	82.2	82.2	82.7	82.9
≥ 1800	33.9	53.4	59.5	65.5	69.9	74.8	79.3	82.4	82.4	83.1	83.6	83.7	83.8	83.8	84.3	84.6
≥ 1500	34.1	54.2	60.4	66.4	70.7	76.0	80.4	83.6	83.7	84.3	84.9	85.1	85.2	85.2	85.7	85.9
≥ 1200	34.6	54.8	61.0	67.0	71.5	76.8	81.3	84.6	84.7	85.4	86.1	86.2	86.3	86.3	86.8	87.0
≥ 1000	35.1	55.3	61.6	67.6	72.4	77.7	82.2	85.7	85.8	86.7	87.4	87.5	87.8	87.8	88.3	88.5
≥ 900	35.1	55.9	62.5	68.5	73.2	78.8	83.4	87.0	87.2	88.0	88.8	88.9	89.2	89.2	89.7	89.9
≥ 800	35.1	56.4	63.1	69.1	74.0	79.7	84.3	87.9	88.0	88.9	89.8	89.9	90.2	90.2	90.7	90.9
≥ 700	35.2	56.5	63.3	69.5	74.6	80.3	85.1	88.8	88.9	89.8	90.7	90.9	91.2	91.2	91.7	91.9
≥ 600	35.4	56.7	63.4	69.7	75.0	80.7	85.7	89.4	89.5	90.5	91.4	91.7	91.9	91.9	92.4	92.7
≥ 500	35.4	57.0	63.9	70.2	75.5	81.3	87.3	91.8	91.9	93.4	94.4	94.6	94.9	94.9	95.5	95.8
≥ 400	35.4	57.0	64.0	70.4	75.6	81.7	88.0	92.8	92.9	94.6	95.8	96.0	96.3	96.3	97.0	97.3
≥ 300	35.4	57.0	64.0	70.4	75.7	81.8	88.3	93.2	93.4	95.3	96.6	96.9	97.1	97.1	97.9	98.3
≥ 200	35.4	57.0	64.0	70.4	75.8	82.1	88.5	93.4	93.6	95.5	97.0	97.3	97.8	97.8	98.6	99.3
≥ 100	35.4	57.0	64.0	70.4	75.8	82.1	88.5	93.4	93.6	95.5	97.0	97.3	97.9	97.9	98.9	99.6
≥ 0	35.4	57.0	64.0	70.4	75.8	82.1	88.5	93.4	93.6	95.5	97.0	97.3	97.9	97.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 803

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

...AL CLIMATOLOGY BRANCH
...TAC
...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

... STATION | YOUNGSTOWN 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[illegible].6	36.6	38.5	39.9	41.5	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 20000	3[illegible].9	42.4	45.6	47.3	48.0	48.9	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 18000	31.[illegible]	42.7	45.9	47.3	48.3	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 16000	31.[illegible]	42.7	45.9	47.3	48.3	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 14000	31.1	42.8	46.[illegible]	47.4	48.5	49.4	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 12000	31.5	43.7	46.9	48.3	49.7	51.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 10000	33.3	46.4	49.7	51.3	53.2	54.4	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 9000	33.6	46.8	50.1	51.7	53.6	54.8	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 8000	34.[illegible]	48.5	52.1	54.0	56.0	57.8	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 7000	35.5	49.4	53.1	55.0	57.1	59.0	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 6000	35.5	49.4	53.2	55.1	57.2	59.5	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 5000	36.2	50.4	54.3	56.2	58.7	61.1	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 4500	36.9	51.6	55.8	57.7	60.2	62.6	63.9	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 4000	38.4	53.6	57.6	59.5	62.3	64.8	66.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 3500	40.3	56.0	60.0	62.0	64.9	67.7	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 3000	42.7	59.2	63.7	65.8	68.7	71.7	73.2	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 2500	45.3	62.8	67.3	69.6	72.6	75.6	77.1	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 2000	47.0	65.6	70.4	72.8	76.0	80.1	82.0	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	47.8	66.6	71.7	74.1	77.5	81.8	83.7	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1500	48.[illegible]	68.9	74.1	76.7	80.7	85.1	87.2	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.[illegible]	88.1
≥ 1200	49.6	69.9	75.5	78.3	82.7	87.3	89.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 1000	49.6	71.0	75.6	78.4	83.0	87.9	90.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 900	49.9	71.6	76.4	79.5	84.5	89.7	92.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 800	50.1	72.9	76.6	80.2	85.4	91.0	93.5	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	50.2	73.0	76.7	80.3	85.6	91.4	94.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4
≥ 600	50.2	73.3	77.0	80.6	85.9	92.5	95.3	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	50.2	73.4	77.1	80.7	86.4	93.0	96.3	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400	50.2	73.4	77.1	80.7	86.7	93.5	97.0	98.9	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	50.2	73.4	77.1	80.7	86.7	93.5	97.1	99.0	99.0	99.2	99.5	99.6	99.6	99.6	99.6	99.6
≥ 200	50.2	73.4	77.1	80.7	86.7	93.6	97.2	99.1	99.1	99.4	99.6	99.7	99.9	100.0	100.0	100.0
≥ 100	50.2	73.4	77.1	80.7	86.7	93.6	97.2	99.1	99.1	99.4	99.6	99.7	99.9	100.0	100.0	100.0
≥ 0	50.2	73.4	77.1	80.7	86.7	93.6	97.2	99.1	99.1	99.4	99.6	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 787

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

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

CEILING VERSUS VISIBILITY

... STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12...-1400 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	24.9	31.1	31.3	32.5	33.6	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 20000	31.5	38.1	41.4	41.1	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 18000	31.6	38.2	41.6	41.2	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 16000	31.6	38.2	41.6	41.2	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 14000	30.7	39.3	41.9	41.4	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 12000	31.5	40.2	41.8	42.7	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 10000	34.3	43.6	45.6	46.4	48.8	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 9000	34.3	44.2	45.9	46.8	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 8000	35.5	45.4	47.6	48.4	51.9	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 7000	35.9	46.1	48.2	49.1	51.6	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 6000	36.5	46.8	48.9	49.8	52.3	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 5000	37.6	48.4	50.8	51.7	54.2	55.4	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 4500	38.9	50.4	52.6	53.7	56.3	57.7	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 4000	47.1	60.0	62.5	63.5	66.5	68.0	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 3500	52.6	67.0	69.8	71.0	74.0	75.5	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	54.7	71.2	73.2	74.7	78.3	80.0	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 2500	56.5	73.4	77.2	79.2	83.0	84.9	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 2000	57.1	74.9	79.5	81.6	86.1	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800	57.2	75.0	79.9	82.0	86.8	88.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1500	57.7	76.0	80.9	83.3	88.4	91.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1200	58.7	77.8	82.8	85.1	90.5	93.3	94.8	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1000	58.9	78.2	83.1	85.6	91.1	94.3	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 900	58.9	78.4	83.5	86.1	91.8	94.9	96.4	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 800	59.9	78.8	83.9	86.6	92.3	95.8	97.4	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	58.9	78.9	84.0	86.9	92.6	96.1	97.8	98.6	98.6	98.8	98.8	98.8	98.9	98.8	98.8	98.8
≥ 600	58.9	78.9	84.0	87.0	92.8	96.3	97.9	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0
≥ 500	58.9	79.0	84.1	87.1	93.1	96.8	98.4	99.3	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 400	58.9	79.0	84.1	87.1	93.1	97.0	98.8	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	58.9	79.0	84.1	87.1	93.1	97.0	98.8	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	58.9	79.0	84.1	87.1	93.1	97.0	98.8	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	58.9	79.0	84.1	87.1	93.1	97.0	98.8	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	58.9	79.0	84.1	87.1	93.1	97.0	98.8	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 801

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

...PAL CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

... (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) JUN (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1510-1700 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	28.7	34.1	35.3	37.3	37.6	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	38.1
≥ 20000	34.8	42.2	43.7	46.2	46.8	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.4
≥ 18000	34.9	42.3	43.8	46.4	46.9	47.1	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.5
≥ 16000	34.9	42.3	43.8	46.4	46.9	47.1	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.5
≥ 14000	35.5	42.9	44.5	47.0	47.5	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.2
≥ 12000	37.1	45.2	46.8	49.4	49.9	50.3	50.3	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7
≥ 10000	38.1	46.6	48.7	51.3	52.2	52.7	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1
≥ 9000	38.3	46.9	48.9	51.7	52.6	53.1	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5
≥ 8000	39.1	48.0	50.1	53.0	53.9	54.5	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.2
≥ 7000	39.6	48.7	50.7	53.6	54.5	55.3	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9
≥ 6000	41.6	49.7	51.7	54.8	55.7	56.4	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.1
≥ 5000	44.5	54.1	56.3	59.5	60.6	61.4	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.1
≥ 4500	46.5	57.3	59.9	63.2	64.7	65.5	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1
≥ 4000	53.1	65.9	68.7	72.2	74.6	75.8	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8
≥ 3500	54.9	69.6	72.9	76.9	81.0	81.4	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4
≥ 3000	56.9	72.0	75.7	80.4	84.2	85.6	86.2	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9
≥ 2500	57.6	74.1	78.6	83.4	87.6	89.3	90.2	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.8
≥ 2000	58.2	75.3	79.9	85.1	89.4	91.5	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1
≥ 1800	58.9	76.2	80.8	86.4	90.7	92.9	93.8	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.6
≥ 1500	59.2	76.7	81.3	86.9	91.7	94.4	95.4	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.3
≥ 1200	59.4	77.3	82.0	87.6	92.7	95.4	96.6	97.2	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.6
≥ 1000	59.4	77.5	82.2	87.8	92.9	95.5	96.7	97.3	97.3	97.5	97.7	97.7	97.7	97.7	97.7	97.8
≥ 900	59.4	77.5	82.2	87.9	93.0	95.7	96.9	97.6	97.6	97.7	98.0	98.0	98.0	98.0	98.0	98.1
≥ 800	59.4	77.5	82.2	87.9	93.0	95.7	97.1	97.7	97.7	97.8	98.1	98.1	98.1	98.1	98.1	98.2
≥ 700	59.4	77.5	82.2	87.9	93.0	95.7	97.2	98.0	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.5
≥ 600	59.4	77.7	82.4	88.3	93.5	96.3	98.0	98.7	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.2
≥ 500	59.4	77.7	82.4	88.4	93.6	96.6	98.3	99.1	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.6
≥ 400	59.4	77.7	82.4	88.4	93.8	96.7	98.5	99.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	100.0
≥ 300	59.4	77.7	82.4	88.4	93.8	96.7	98.5	99.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	100.0
≥ 200	59.4	77.7	82.4	88.4	93.8	96.7	98.5	99.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	100.0
≥ 100	59.4	77.7	82.4	88.4	93.8	96.7	98.5	99.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	100.0
≥ 0	59.4	77.7	82.4	88.4	93.8	96.7	98.5	99.2	99.2	99.6	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 785

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

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

CEILING VERSUS VISIBILITY

... STATION | YOUNGSTOWN 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	≥⅞	≥¾	≥⅝	≥5/16	≥¼	≥0
NO CEILING	35.6	42.9	44.9	47.7	48.3	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 20000	42.1	53.0	55.3	59.4	61.6	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 18000	42.1	53.0	55.3	59.4	61.6	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 16000	42.1	53.0	55.3	59.4	61.6	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 14000	42.5	53.6	56.0	60.0	61.3	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 12000	43.0	55.1	57.6	61.9	63.1	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 10000	47.0	59.2	62.3	67.0	68.3	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 9000	47.3	59.6	62.6	67.4	68.7	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 8000	48.4	61.4	64.7	69.6	70.9	72.1	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 7000	48.7	62.1	65.4	70.3	71.8	73.0	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 6000	51.1	63.5	66.8	71.7	73.2	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 5000	53.2	68.4	71.8	77.7	79.2	80.6	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 4500	54.1	69.4	73.2	79.2	80.8	82.1	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 4000	55.8	71.9	76.4	82.8	84.8	86.2	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 3500	56.6	73.3	78.1	84.8	86.9	88.3	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3000	57.7	74.7	80.0	86.7	89.1	91.1	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 2500	58.4	75.8	81.3	88.4	92.9	93.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2000	58.6	76.2	81.8	89.1	91.7	93.8	95.1	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	58.6	76.2	82.3	89.6	92.3	94.5	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1500	58.9	76.5	82.5	89.8	93.0	95.1	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1200	58.9	76.5	82.5	89.8	93.0	95.2	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1000	58.9	76.5	82.6	89.9	93.2	95.7	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	58.9	76.7	82.9	90.2	93.5	96.0	97.4	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800	58.9	76.7	82.9	90.2	93.5	96.0	97.4	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	58.9	76.7	82.9	90.2	93.5	96.0	97.6	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	58.9	76.9	83.0	90.3	93.6	96.2	97.9	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	58.9	77.0	83.1	90.4	93.7	96.4	98.1	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	58.9	77.0	83.3	90.6	93.8	96.6	98.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	58.9	77.0	83.3	90.6	93.8	96.6	98.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	58.9	77.0	83.3	90.6	93.8	96.6	98.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	58.9	77.0	83.3	90.6	93.8	96.6	98.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	58.9	77.0	83.3	90.6	93.8	96.6	98.6	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 795

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

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2175 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-61 (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	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	33.1	47.4	51.0	52.5	54.6	54.6	54.6	55.0	55.0	55.2	55.4	55.4	55.4	55.4	55.4	55.4
≥ 20000	40.9	51.8	54.5	57.6	60.4	60.8	61.2	61.6	61.6	61.7	62.1	62.1	62.1	62.1	62.1	62.1
≥ 18000	40.9	51.8	54.5	57.6	60.4	60.8	61.2	61.6	61.6	61.7	62.1	62.1	62.1	62.1	62.1	62.1
≥ 16000	40.9	51.8	54.5	57.6	60.4	60.8	61.2	61.6	61.6	61.7	62.1	62.1	62.1	62.1	62.1	62.1
≥ 14000	40.9	51.9	54.6	57.8	60.5	60.9	61.3	61.7	61.7	61.9	62.3	62.3	62.3	62.3	62.3	62.3
≥ 12000	41.3	52.6	55.3	58.7	61.4	61.9	62.3	62.7	62.7	62.8	63.2	63.2	63.2	63.2	63.2	63.2
≥ 10000	43.7	55.2	58.9	63.2	65.9	66.5	66.9	67.4	67.4	67.6	68.0	68.0	68.0	68.0	68.0	68.0
≥ 9000	44.0	55.9	59.7	64.2	67.0	67.6	68.0	68.5	68.5	68.7	69.1	69.1	69.1	69.1	69.1	69.1
≥ 8000	45.0	58.0	61.9	66.3	69.5	70.0	70.7	71.3	71.3	71.4	71.8	71.8	71.8	71.8	71.8	71.8
≥ 7000	45.4	59.0	62.9	67.7	70.8	71.4	72.3	73.2	73.2	73.3	73.7	73.7	73.7	73.7	73.7	73.7
≥ 6000	46.0	60.1	64.0	68.8	71.9	72.5	73.6	74.4	74.4	74.5	74.9	74.9	74.9	74.9	74.9	74.9
≥ 5000	48.9	64.6	69.5	74.4	77.9	78.5	79.6	80.4	80.4	80.5	80.9	80.9	80.9	80.9	80.9	80.9
≥ 4500	50.1	67.2	72.2	77.4	80.9	81.6	82.7	83.5	83.5	83.7	84.1	84.1	84.1	84.1	84.1	84.1
≥ 4000	51.5	69.5	75.1	80.7	84.3	85.1	86.2	87.1	87.1	87.2	87.6	87.6	87.6	87.6	87.6	87.6
≥ 3500	52.2	71.9	76.8	82.8	86.5	87.3	88.7	89.5	89.5	89.6	90.2	90.2	90.2	90.2	90.2	90.2
≥ 3000	53.3	72.8	78.9	84.9	88.6	89.5	90.9	91.7	91.7	91.8	92.4	92.4	92.4	92.4	92.4	92.4
≥ 2500	53.3	73.0	79.8	86.4	90.1	91.0	92.5	93.3	93.3	93.5	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2000	53.3	73.2	80.2	87.2	90.9	91.8	93.5	94.3	94.3	94.4	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1800	53.3	73.3	80.4	87.5	91.1	92.1	93.7	94.6	94.6	94.7	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1500	53.4	73.7	80.8	88.3	92.1	93.1	94.7	95.5	95.5	95.6	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1200	53.4	74.3	81.5	89.2	93.1	94.0	95.6	96.6	96.6	96.7	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	53.4	74.7	81.9	89.6	93.5	94.4	96.0	97.0	97.0	97.1	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900	53.4	74.8	82.0	89.8	93.6	94.6	96.2	97.3	97.3	97.4	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	53.4	74.8	82.2	89.9	93.7	94.7	96.3	97.4	97.4	97.5	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	53.4	75.1	82.4	90.2	94.0	95.0	96.6	97.7	97.7	97.8	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600	53.4	75.1	82.4	90.5	94.3	95.2	96.9	98.0	98.0	98.1	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	53.4	75.1	82.7	90.7	94.6	95.5	97.1	98.2	98.2	98.4	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	53.4	75.3	83.0	91.0	94.8	95.8	97.4	98.5	98.5	98.6	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	53.4	75.3	83.1	91.1	95.0	95.9	97.5	98.8	98.8	98.9	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	53.4	75.3	83.1	91.1	95.0	95.9	97.5	98.8	98.8	98.9	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	53.4	75.3	83.1	91.1	95.0	95.9	97.5	98.8	98.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	53.4	75.3	83.1	91.1	95.0	95.9	97.5	98.8	98.8	99.2	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 734

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

25 (STATION) YOUNGSTOWN 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	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥⅛	≥0	
NO CEILING	29.7	38.6	41.0	43.6	45.1	45.7	46.1	46.6	46.6	46.7	46.7	46.7	46.9	46.9	47.0	47.1
≥ 20000	33.5	44.3	47.2	50.3	52.2	53.0	53.6	54.2	54.2	54.3	54.3	54.3	54.5	54.6	54.7	54.7
≥ 18000	33.6	44.4	47.3	50.4	52.3	53.0	53.7	54.2	54.2	54.3	54.4	54.4	54.6	54.6	54.7	54.8
≥ 16000	33.6	44.4	47.3	50.4	52.3	53.0	53.7	54.2	54.2	54.3	54.4	54.4	54.6	54.6	54.7	54.8
≥ 14000	33.8	44.7	47.6	50.7	52.6	53.4	54.0	54.6	54.6	54.7	54.8	54.8	54.9	55.0	55.1	55.1
≥ 12000	34.5	45.9	48.6	52.1	54.1	54.9	55.6	56.2	56.2	56.3	56.4	56.4	56.5	56.6	56.7	56.8
≥ 10000	36.4	48.5	51.8	55.4	57.8	58.8	59.5	60.1	60.1	60.2	60.3	60.3	60.4	60.5	60.6	60.7
≥ 9000	36.8	49.0	52.3	56.0	58.4	59.3	60.2	60.7	60.7	60.8	60.9	60.9	61.0	61.1	61.2	61.3
≥ 8000	37.7	50.7	54.2	58.0	60.6	61.9	62.8	63.5	63.5	63.6	63.6	63.6	63.8	63.9	64.0	64.0
≥ 7000	38.4	51.6	55.2	59.1	61.7	63.0	64.1	64.8	64.8	64.9	65.0	65.0	65.2	65.3	65.3	65.4
≥ 6000	39.0	52.3	55.9	59.8	62.5	63.8	64.9	65.6	65.6	65.8	65.9	65.9	66.0	66.1	66.2	66.3
≥ 5000	40.9	55.2	59.1	63.5	66.4	68.0	69.3	70.1	70.1	70.2	70.3	70.3	70.5	70.6	70.7	70.8
≥ 4500	41.7	56.9	61.0	65.4	68.4	70.1	71.4	72.2	72.3	72.4	72.5	72.5	72.7	72.7	72.8	72.9
≥ 4000	44.5	60.8	65.3	70.1	73.4	75.1	76.6	77.5	77.5	77.6	77.7	77.8	77.9	78.0	78.1	78.2
≥ 3500	46.1	63.1	67.9	73.0	76.5	78.3	79.8	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5
≥ 3000	47.4	65.0	70.2	75.4	79.1	81.2	82.8	83.8	83.8	83.9	84.1	84.1	84.3	84.3	84.4	84.5
≥ 2500	48.3	66.8	72.3	77.8	81.6	83.9	85.6	86.6	86.6	86.7	86.9	86.9	87.1	87.1	87.2	87.3
≥ 2000	48.9	67.9	73.7	79.4	83.4	85.9	87.8	88.9	88.9	89.1	89.3	89.3	89.5	89.5	89.6	89.7
≥ 1800	49.2	68.4	74.3	80.1	84.3	86.8	88.8	89.9	89.9	90.1	90.3	90.3	90.5	90.5	90.7	90.8
≥ 1500	49.6	69.1	75.1	81.1	85.5	88.2	90.3	91.5	91.5	91.7	91.9	91.9	92.1	92.1	92.3	92.4
≥ 1200	49.9	69.8	75.9	82.0	86.5	89.3	91.5	92.7	92.7	93.0	93.2	93.2	93.4	93.4	93.6	93.7
≥ 1000	50.0	70.1	76.3	82.3	87.0	89.9	92.1	93.4	93.5	93.7	94.0	94.1	94.2	94.2	94.3	94.4
≥ 900	50.0	70.3	76.7	82.9	87.6	90.6	92.8	94.2	94.3	94.5	94.8	94.8	95.0	95.0	95.2	95.3
≥ 800	50.1	70.6	77.0	83.3	88.1	91.2	93.5	95.0	95.0	95.2	95.5	95.6	95.8	95.8	95.9	96.0
≥ 700	50.1	70.7	77.1	83.5	88.4	91.5	93.9	95.5	95.5	95.8	96.0	96.1	96.3	96.3	96.5	96.6
≥ 600	50.1	70.8	77.3	83.8	88.7	92.0	94.5	96.0	96.1	96.4	96.6	96.7	96.9	96.9	97.1	97.2
≥ 500	50.1	70.9	77.5	84.1	89.1	92.4	95.2	97.0	97.1	97.4	97.7	97.8	98.0	98.0	98.2	98.3
≥ 400	50.1	71.0	77.6	84.3	89.3	92.8	95.8	97.6	97.7	98.1	98.4	98.5	98.7	98.7	98.9	99.0
≥ 300	50.1	71.0	77.7	84.3	89.5	92.9	96.0	98.0	98.0	98.5	98.9	99.0	99.2	99.3	99.4	99.5
≥ 200	50.1	71.0	77.7	84.3	89.5	93.0	96.0	98.0	98.1	98.6	99.0	99.1	99.3	99.4	99.6	99.7
≥ 100	50.1	71.0	77.7	84.3	89.5	93.0	96.0	98.0	98.1	98.6	99.1	99.1	99.4	99.5	99.7	99.9
≥ 0	50.1	71.0	77.7	84.3	89.5	93.0	96.0	98.0	98.1	98.6	99.1	99.1	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 6118

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

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

CEILING VERSUS VISIBILITY

(...) STATION | YOUNGSTOWN MAP OH STATION NAME | 73-80 YEARS | JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0200-0200 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	0
NO CEILING	31.2	46.5	51.3	56.5	59.6	59.6	61.6	61.7	61.7	62.0	62.4	62.4	62.8	62.8	62.8	63.2
≥ 20000	31.7	47.1	54.4	60.3	63.6	64.4	66.6	66.8	66.8	67.4	67.9	67.9	68.3	68.3	68.3	68.7
≥ 18000	31.7	49.1	54.4	60.3	63.6	64.4	66.6	66.8	66.8	67.4	67.9	67.9	68.3	68.3	68.3	68.7
≥ 16000	31.7	49.1	54.6	60.5	63.7	64.6	66.8	66.9	66.9	67.6	68.0	68.0	68.4	68.4	68.4	68.8
≥ 14000	31.7	49.2	54.7	60.6	63.9	64.7	66.9	67.0	67.0	67.7	68.1	68.1	68.5	68.5	68.5	68.9
≥ 12000	31.7	49.5	55.1	61.6	65.1	65.9	68.3	68.4	68.4	69.1	69.5	69.5	70.0	70.0	70.0	70.5
≥ 10000	33.0	52.0	58.3	65.1	68.9	69.9	72.2	72.4	72.4	73.1	73.5	73.5	74.0	74.0	74.0	74.4
≥ 9000	33.1	52.1	58.4	65.3	69.1	70.0	72.4	72.5	72.5	73.2	73.6	73.6	74.1	74.1	74.1	74.6
≥ 8000	34.3	53.9	60.9	67.9	71.7	72.6	75.1	75.2	75.2	75.9	76.3	76.3	76.9	76.9	76.9	77.3
≥ 7000	34.6	54.3	61.4	68.4	72.2	73.3	75.8	75.9	75.9	76.6	77.0	77.0	77.6	77.6	77.6	78.0
≥ 6000	34.7	54.4	61.7	68.7	72.5	73.6	76.1	76.2	76.2	76.9	77.3	77.3	77.8	77.8	77.8	78.2
≥ 5000	35.7	56.2	63.7	70.9	75.1	76.5	79.1	79.2	79.2	79.9	80.3	80.3	80.8	80.8	80.8	81.3
≥ 4500	37.1	57.9	65.5	72.6	76.9	78.2	81.0	81.1	81.1	81.8	82.2	82.2	82.8	82.6	82.8	83.2
≥ 4000	38.4	60.3	68.1	75.2	79.5	81.0	83.9	84.0	84.0	84.7	85.1	85.1	85.6	85.6	85.6	86.0
≥ 3500	39.3	61.4	69.9	77.2	81.7	83.2	86.0	86.2	86.2	86.9	87.3	87.3	87.8	87.8	87.8	88.2
≥ 3000	39.3	62.1	70.6	78.0	82.5	84.0	87.3	87.6	87.6	88.4	88.8	88.8	89.3	89.3	89.3	89.7
≥ 2500	39.4	63.1	71.7	79.2	83.9	85.4	88.6	88.9	88.9	89.9	90.3	90.3	90.8	90.8	90.8	91.2
≥ 2000	39.4	63.1	71.8	79.5	84.1	85.6	89.1	89.3	89.3	90.3	90.7	90.7	91.2	91.2	91.2	91.7
≥ 1800	39.4	63.2	72.1	79.8	84.4	85.9	89.3	89.6	89.6	90.6	91.0	91.0	91.5	91.5	91.5	91.9
≥ 1500	39.4	63.6	72.5	80.3	85.0	86.5	89.9	90.2	90.2	91.1	91.5	91.5	92.1	92.1	92.1	92.5
≥ 1200	39.4	63.6	72.5	80.3	85.0	86.5	90.2	90.4	90.4	91.4	91.9	91.9	92.5	92.5	92.5	92.9
≥ 1000	39.4	63.6	72.6	80.7	85.5	87.0	90.7	91.0	91.1	92.1	92.6	92.6	93.2	93.2	93.2	93.6
≥ 900	39.4	63.6	73.1	81.4	86.2	87.7	91.5	91.8	91.9	92.9	93.4	93.4	94.0	94.0	94.0	94.4
≥ 800	39.4	63.6	73.1	81.5	86.3	87.8	91.7	91.9	92.1	93.0	93.6	93.6	94.1	94.1	94.1	94.5
≥ 700	39.4	63.9	73.7	82.5	87.4	88.9	92.9	93.3	93.4	94.4	94.9	94.9	95.5	95.5	95.5	95.9
≥ 600	39.4	64.2	74.3	83.0	88.0	89.5	93.4	93.8	94.0	94.9	95.5	95.5	96.0	96.0	96.0	96.4
≥ 500	39.4	64.2	74.3	83.2	88.1	89.6	94.3	94.8	94.9	95.9	96.4	96.4	97.0	97.0	97.0	97.4
≥ 400	39.4	64.2	74.0	83.2	88.1	89.6	94.8	95.5	95.6	96.6	97.1	97.1	97.7	97.7	97.7	98.1
≥ 300	39.4	64.2	74.0	83.3	88.2	89.7	95.1	95.8	95.9	97.3	97.8	97.8	98.4	98.4	98.4	98.8
≥ 200	39.4	64.2	74.0	83.3	88.2	89.7	95.1	95.8	96.0	97.9	98.5	98.5	99.0	99.0	99.0	99.5
≥ 100	39.4	64.2	74.0	83.3	88.2	89.7	95.1	95.8	96.0	97.9	98.5	98.5	99.3	99.3	99.3	99.7
≥ 0	39.4	64.2	74.0	83.3	88.2	89.7	95.1	95.8	96.0	97.9	98.5	98.5	99.3	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 731

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

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

CEILING VERSUS VISIBILITY

... 2... | YOUNGSTOWN MAP OH | 73-81 | JUL
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	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0
NO CEILING	23.1	35.6	42.5	46.9	50.5	52.0	54.6	55.4	55.5	57.4	58.0	58.0	58.9	58.9	59.2	59.8
≥ 20000	23.3	36.8	42.7	49.2	52.9	55.4	58.3	60.2	60.3	62.3	62.9	62.9	63.8	63.8	64.1	64.7
≥ 18000	23.3	36.8	42.7	49.4	53.1	55.5	58.4	60.3	60.4	62.5	63.0	63.0	64.0	64.0	64.3	64.8
≥ 16000	23.3	36.8	42.7	49.4	53.1	55.5	58.4	60.3	60.4	62.5	63.0	63.0	64.0	64.0	64.3	64.9
≥ 14000	23.5	37.4	42.6	49.9	53.6	56.2	59.1	61.0	61.1	63.2	63.7	63.7	64.7	64.7	64.9	65.5
≥ 12000	24.0	38.2	43.9	51.4	55.4	58.1	61.0	63.0	63.2	65.2	65.8	65.8	66.7	66.7	67.0	67.5
≥ 10000	24.4	39.7	46.0	53.9	58.0	60.8	63.8	66.0	66.2	68.2	68.8	68.8	69.7	69.7	70.0	70.5
≥ 9000	24.4	39.8	46.1	54.0	59.1	61.0	64.0	66.2	66.3	68.3	68.9	68.9	69.8	69.8	70.1	70.7
≥ 8000	24.6	40.8	47.6	55.8	60.2	63.0	66.4	68.6	68.8	70.9	71.5	71.5	72.4	72.4	72.7	73.3
≥ 7000	24.8	41.2	48.2	56.5	60.8	63.7	67.1	69.3	69.4	71.6	72.2	72.2	73.1	73.1	73.4	73.9
≥ 6000	25.1	41.3	48.4	56.9	61.3	64.1	67.5	69.7	69.8	72.0	72.6	72.6	73.5	73.5	73.8	74.4
≥ 5000	25.3	42.8	50.5	59.1	63.7	66.6	70.1	72.3	72.4	74.6	75.2	75.2	76.1	76.1	76.4	76.9
≥ 4500	26.7	43.8	51.6	60.4	65.1	69.2	72.0	74.2	74.4	76.5	77.1	77.1	78.0	78.0	78.3	78.9
≥ 4000	27.0	44.2	52.1	61.0	65.6	69.2	73.5	75.9	76.0	78.2	78.7	78.7	79.7	79.7	79.9	80.5
≥ 3500	27.4	45.9	53.1	62.2	66.8	70.5	74.9	77.2	77.4	79.7	80.2	80.2	81.2	81.2	81.4	82.0
≥ 3000	28.5	46.5	55.4	65.1	69.7	73.4	78.2	80.5	80.6	83.1	83.6	83.6	84.5	84.6	84.9	85.4
≥ 2500	28.6	46.9	55.8	65.6	70.3	73.9	78.7	81.0	81.2	83.6	84.2	84.2	85.1	85.1	85.4	85.9
≥ 2000	28.9	47.5	56.3	66.2	70.9	74.8	79.5	81.9	82.0	84.4	85.0	85.0	85.9	85.9	86.2	86.8
≥ 1800	28.9	47.5	56.3	66.3	71.1	74.9	79.7	82.0	82.1	84.6	85.1	85.1	86.1	86.1	86.4	86.9
≥ 1500	28.9	47.5	56.5	66.6	71.4	75.3	80.1	82.4	82.5	85.0	85.5	85.5	86.5	86.5	86.8	87.3
≥ 1200	28.9	47.7	56.9	67.4	72.2	76.1	81.0	83.4	83.5	85.9	86.6	86.6	87.6	87.6	87.9	88.4
≥ 1000	28.9	47.9	57.0	67.7	72.4	76.4	81.6	83.9	84.0	86.5	87.2	87.2	88.1	88.1	88.4	88.9
≥ 900	29.1	48.3	57.7	68.5	73.5	77.5	82.8	85.1	85.3	87.7	88.4	88.4	89.4	89.4	89.6	90.2
≥ 800	29.2	48.7	58.1	69.3	74.4	78.7	84.0	86.4	86.5	88.9	89.6	89.6	90.6	90.6	90.9	91.4
≥ 700	29.3	49.2	58.7	70.0	75.0	79.7	85.1	87.6	87.7	90.2	91.0	91.0	92.0	92.0	92.2	92.8
≥ 600	29.3	49.2	58.9	70.5	75.6	80.2	85.9	88.4	88.5	91.0	91.8	91.8	92.8	92.8	93.0	93.6
≥ 500	29.3	49.2	58.9	70.5	75.6	80.4	86.4	88.8	88.9	91.7	92.5	92.5	93.5	93.5	93.7	94.3
≥ 400	29.3	49.2	58.9	70.9	76.3	81.0	87.4	90.0	90.2	93.0	93.9	93.9	94.8	94.8	95.1	95.6
≥ 300	29.3	49.2	58.9	71.1	76.4	81.2	87.9	90.7	91.3	94.8	95.6	95.6	96.6	96.6	96.9	97.4
≥ 200	29.3	49.2	58.9	71.1	76.4	81.2	87.9	90.9	91.4	95.2	96.0	96.0	97.0	97.0	97.3	97.8
≥ 100	29.3	49.2	58.9	71.1	76.4	81.2	87.9	91.0	91.5	95.4	96.2	96.2	97.3	97.4	97.8	98.6
≥ 0	29.3	49.2	58.9	71.1	76.4	81.2	87.9	91.0	91.5	95.4	96.2	96.2	97.3	97.4	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 731

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

[illegible] 25 | YOUNGSTOWN MAP OH | 73-81 | JUL
STATION | STATION NAME | YEARS | 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	≥¼	≥5/16	≥0	≥0
NO CEILING	29.9	29.8	32.3	36.0	39.0	42.3	47.1	49.5	49.5	51.3	51.7	51.7	51.8	51.8	52.1	52.8
≥ 20000	32.3	32.3	35.0	39.3	42.7	46.6	52.1	55.5	55.5	57.6	57.9	57.9	58.2	58.2	58.4	59.4
≥ 18000	32.3	32.3	35.0	39.3	42.7	46.7	52.2	55.6	55.6	57.7	58.0	58.0	58.3	58.3	58.5	59.5
≥ 16000	32.3	32.3	35.0	39.3	42.7	46.7	52.2	55.6	55.6	57.7	58.0	58.0	58.3	58.3	58.5	59.5
≥ 14000	22.7	32.4	35.5	39.8	43.3	47.3	52.8	56.2	56.2	58.3	58.7	58.7	58.9	58.9	59.1	60.1
≥ 12000	24.3	34.1	37.6	41.8	45.4	49.4	55.2	58.8	58.8	61.0	61.5	61.5	61.8	61.8	62.1	63.0
≥ 10000	24.9	35.6	39.5	44.1	47.9	52.4	58.5	62.3	62.3	64.5	65.0	65.0	65.4	65.4	65.6	66.6
≥ 9000	24.9	35.6	39.5	44.1	47.9	52.6	58.7	62.4	62.4	64.6	65.1	65.1	65.5	65.5	65.7	66.7
≥ 8000	25.2	37.1	41.1	45.7	49.6	54.5	60.9	65.0	65.0	67.3	67.8	67.8	68.2	68.2	68.4	69.4
≥ 7000	25.4	37.3	41.7	46.3	50.4	55.2	62.2	66.3	66.3	68.7	69.1	69.1	69.5	69.5	69.8	70.7
≥ 6000	25.4	37.4	42.0	46.6	50.7	55.6	62.6	66.8	66.8	69.1	69.6	69.6	70.0	70.0	70.2	71.2
≥ 5000	26.1	38.4	43.0	47.8	52.0	57.3	64.6	69.0	69.0	71.5	72.0	72.0	72.3	72.3	72.6	73.5
≥ 4500	26.7	39.0	44.3	49.3	53.4	58.9	66.2	70.7	70.7	73.2	73.7	73.7	74.0	74.0	74.3	75.2
≥ 4000	27.1	39.8	45.2	50.4	54.5	60.2	67.8	72.8	72.8	75.2	75.9	75.9	76.2	76.2	76.5	77.4
≥ 3500	27.3	40.1	45.7	51.1	55.4	61.2	68.8	73.9	73.9	76.3	77.0	77.0	77.3	77.3	77.6	78.5
≥ 3000	28.2	41.3	46.7	52.1	56.6	62.7	70.5	75.6	75.6	78.0	78.7	78.7	79.0	79.0	79.3	80.2
≥ 2500	28.2	41.6	46.8	52.6	57.1	63.4	71.2	76.5	76.5	78.9	79.5	79.5	79.9	79.9	80.1	81.1
≥ 2000	28.4	41.3	47.3	53.3	57.7	64.4	72.4	77.7	77.7	80.2	80.9	80.9	81.2	81.2	81.5	82.4
≥ 1800	28.4	41.5	47.6	53.3	57.9	64.6	72.7	77.9	77.9	80.5	81.1	81.1	81.6	81.6	81.8	82.8
≥ 1500	28.5	41.7	47.8	53.5	58.2	64.9	73.0	78.3	78.3	80.9	81.5	81.5	82.0	82.0	82.2	83.2
≥ 1200	28.9	42.1	48.7	54.5	59.1	66.1	74.6	79.9	79.9	82.4	83.0	83.0	83.5	83.5	83.8	84.8
≥ 1000	29.1	42.7	49.5	55.4	60.2	67.4	76.2	81.6	81.6	84.5	85.1	85.1	85.6	85.6	85.9	86.8
≥ 900	29.3	42.9	49.8	55.9	60.9	68.2	77.3	82.7	82.7	85.6	86.3	86.3	86.8	86.8	87.1	88.0
≥ 800	29.4	43.2	50.0	56.1	61.3	69.0	78.4	83.9	83.9	87.0	87.7	87.7	88.2	88.2	88.4	89.4
≥ 700	29.4	43.2	50.0	56.1	61.3	69.1	78.7	84.6	84.6	87.7	88.4	88.4	88.9	88.9	89.1	90.1
≥ 600	29.4	43.9	50.7	56.8	62.2	70.1	79.6	85.7	85.7	89.5	90.4	90.4	90.9	90.9	91.1	92.1
≥ 500	29.4	44.1	51.0	57.3	62.7	71.2	81.5	87.7	87.7	92.0	92.9	92.9	93.4	93.4	93.7	94.6
≥ 400	29.4	44.1	51.0	57.3	62.7	71.3	81.8	88.3	88.3	93.2	94.6	94.6	95.1	95.1	95.4	96.5
≥ 300	29.4	44.1	51.0	57.3	62.7	71.3	81.8	88.4	88.5	93.9	95.5	95.5	96.1	96.1	96.3	97.4
≥ 200	29.4	44.1	51.0	57.3	62.7	71.3	82.0	88.7	88.9	94.3	96.1	96.1	97.1	97.1	97.7	98.8
≥ 100	29.4	44.1	51.0	57.3	62.7	71.3	82.0	88.7	88.9	94.3	96.2	96.2	97.2	97.2	97.9	99.4
≥ 0	29.4	44.1	51.0	57.3	62.7	71.3	82.0	88.7	88.9	94.3	96.2	96.2	97.2	97.2	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 825

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

[illegible] 25 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) JUL (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	23.3	35.4	38.8	41.8	44.0	46.8	48.4	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.5
≥ 20000	27.1	40.3	44.1	47.5	50.8	53.8	55.6	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.7
≥ 18000	27.1	40.4	44.2	47.6	50.9	54.0	55.7	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.8
≥ 16000	27.1	40.4	44.2	47.6	50.9	54.0	55.8	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.9
≥ 14000	27.7	41.3	45.2	48.7	52.1	55.3	57.1	58.0	58.0	58.1	58.1	59.1	59.1	58.1	58.1	58.2
≥ 12000	28.3	42.1	46.1	49.7	53.4	56.8	58.6	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.7
≥ 10000	29.4	43.7	47.9	51.8	55.7	59.5	62.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.4
≥ 9000	29.5	44.0	48.5	52.4	56.4	60.2	62.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.1
≥ 8000	30.2	45.1	49.7	53.6	57.8	61.9	64.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.9
≥ 7000	30.4	45.4	50.2	54.1	58.2	62.5	65.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.7
≥ 6000	30.4	45.4	50.2	54.1	58.2	62.5	65.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.7
≥ 5000	30.6	46.2	50.9	54.8	59.0	63.5	67.2	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.4
≥ 4500	31.0	46.6	51.4	55.4	59.6	64.1	67.8	68.7	68.7	68.9	68.9	68.9	68.9	68.9	68.9	69.0
≥ 4000	31.6	46.2	53.0	57.0	61.3	65.8	69.5	70.5	70.5	70.7	70.7	70.7	70.8	70.8	70.8	70.9
≥ 3500	33.0	50.3	55.3	59.3	63.9	68.6	72.3	73.3	73.3	73.5	73.5	73.5	73.6	73.6	73.6	73.7
≥ 3000	34.3	52.5	57.9	62.3	67.2	72.2	76.2	77.2	77.2	77.4	77.4	77.4	77.5	77.5	77.5	77.7
≥ 2500	35.4	54.2	59.7	64.5	69.5	74.6	78.8	79.9	79.9	80.1	80.1	80.1	80.2	80.2	80.2	80.3
≥ 2000	36.3	55.6	61.4	66.2	71.3	76.6	80.7	81.8	81.8	82.1	82.1	82.1	82.2	82.2	82.2	82.3
≥ 1800	36.9	56.9	62.8	67.5	72.6	78.0	82.3	83.4	83.4	83.8	83.8	83.8	83.9	83.9	83.9	84.0
≥ 1500	37.4	58.0	64.0	69.4	74.7	80.5	84.7	85.8	85.8	86.2	86.2	86.2	86.3	86.3	86.3	86.4
≥ 1200	38.5	59.7	66.1	72.2	78.3	84.6	89.4	90.5	90.5	91.0	91.0	91.0	91.1	91.1	91.1	91.2
≥ 1000	38.6	60.3	66.8	73.0	79.1	86.4	91.2	92.4	92.4	92.9	92.9	92.9	93.0	93.0	93.0	93.2
≥ 900	38.7	60.6	67.0	73.7	80.0	87.5	92.8	94.0	94.0	94.5	94.5	94.5	94.6	94.6	94.6	94.7
≥ 800	38.8	60.9	67.5	74.2	80.5	88.4	93.8	95.5	95.5	96.0	96.0	96.0	96.1	96.1	96.1	96.2
≥ 700	38.8	61.1	67.6	74.4	80.8	89.1	94.6	96.5	96.5	96.9	96.9	96.9	97.1	97.1	97.1	97.2
≥ 600	38.8	61.1	67.6	74.6	81.1	89.5	95.1	96.9	96.9	97.7	97.7	97.7	97.8	97.8	97.8	97.9
≥ 500	38.8	61.1	67.6	74.7	81.2	89.9	95.7	97.8	97.8	98.7	98.7	98.7	98.8	98.8	98.8	98.9
≥ 400	38.8	61.1	67.6	74.7	81.2	89.9	95.7	97.9	97.9	99.1	99.4	99.4	99.5	99.5	99.5	99.6
≥ 300	38.8	61.1	67.6	74.7	81.2	89.9	95.7	97.9	97.9	99.3	99.6	99.6	99.8	99.8	99.8	99.9
≥ 200	38.8	61.1	67.6	74.7	81.2	89.9	95.7	97.9	97.9	99.3	99.8	99.8	99.9	99.9	99.9	100.0
≥ 100	38.8	61.1	67.6	74.7	81.2	89.9	95.7	97.9	97.9	99.3	99.8	99.8	99.9	99.9	99.9	100.0
≥ 0	38.8	61.1	67.6	74.7	81.2	89.9	95.7	97.9	97.9	99.3	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 819

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

CEILING VERSUS VISIBILITY

...25... | YOUNGSTOWN MAP OH (STATION / 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	32.9	38.2	38.9	35.9	37.4	38.1	38.2	38.2	38.2	38.2	38.4	38.5	38.5	38.5	38.5	38.5
≥ 20000	28.6	39.0	43.2	45.6	47.3	48.4	48.5	48.5	48.5	48.5	48.6	48.7	48.7	48.7	48.7	48.7
≥ 18000	28.6	39.1	43.4	45.7	47.4	48.5	48.6	48.6	48.6	48.6	48.7	48.8	48.8	48.8	48.8	48.8
≥ 16000	28.6	39.1	43.4	45.7	47.4	48.5	48.6	48.6	48.6	48.6	48.7	48.8	48.8	48.8	48.8	48.8
≥ 14000	28.9	39.6	44.0	46.4	48.1	49.2	49.3	49.3	49.3	49.3	49.5	49.6	49.6	49.6	49.6	49.6
≥ 12000	29.6	40.3	44.7	47.1	49.1	50.4	50.5	50.9	50.9	50.9	51.0	51.2	51.2	51.2	51.2	51.2
≥ 10000	30.1	41.0	45.8	48.6	50.8	52.6	52.7	53.2	53.2	53.2	53.3	53.5	53.5	53.5	53.5	53.5
≥ 9000	30.3	42.0	46.9	49.7	51.9	53.7	53.8	54.3	54.3	54.3	54.4	54.6	54.6	54.6	54.6	54.6
≥ 8000	31.5	43.4	48.5	51.3	53.6	55.5	55.7	56.2	56.2	56.2	56.3	56.4	56.4	56.4	56.4	56.4
≥ 7000	31.9	44.3	49.7	52.5	54.9	56.9	57.0	57.5	57.5	57.5	57.6	57.7	57.7	57.7	57.7	57.7
≥ 6000	31.9	44.3	49.8	52.6	55.1	57.0	57.1	57.6	57.6	57.6	57.7	57.9	57.9	57.9	57.9	57.9
≥ 5000	33.1	46.9	52.6	55.4	57.9	59.9	60.0	60.5	60.5	60.5	60.7	60.8	60.8	60.8	60.8	60.8
≥ 4500	33.6	48.2	54.1	56.9	59.3	61.5	61.6	62.1	62.1	62.1	62.2	62.4	62.4	62.4	62.4	62.4
≥ 4000	38.5	54.7	61.1	64.2	66.9	70.0	70.4	70.9	70.9	70.9	71.0	71.1	71.1	71.1	71.1	71.1
≥ 3500	41.5	60.5	67.2	70.9	74.3	77.7	78.1	78.6	78.6	78.6	78.7	78.8	78.8	78.8	78.8	78.8
≥ 3000	42.0	63.1	70.5	74.5	78.2	81.7	82.1	82.8	82.8	82.8	82.9	83.1	83.1	83.1	83.1	83.1
≥ 2500	43.8	64.8	72.4	77.1	81.5	85.1	85.5	86.2	86.2	86.2	86.4	86.5	86.5	86.5	86.5	86.5
≥ 2000	44.8	67.1	75.2	80.4	85.3	89.5	90.0	90.9	90.9	90.9	91.0	91.1	91.1	91.1	91.1	91.1
≥ 1800	45.2	67.6	75.9	81.2	86.2	90.6	91.1	92.0	92.0	92.0	92.1	92.2	92.2	92.2	92.2	92.2
≥ 1500	45.6	68.9	77.5	83.2	88.7	93.7	94.2	95.1	95.1	95.1	95.2	95.4	95.4	95.4	95.4	95.4
≥ 1200	45.7	69.5	78.2	84.4	89.9	94.9	95.4	96.6	96.6	96.6	96.7	96.8	96.8	96.8	96.8	96.8
≥ 1000	45.8	69.8	78.4	84.7	90.1	95.1	95.6	97.1	97.1	97.1	97.3	97.4	97.4	97.4	97.4	97.4
≥ 900	45.8	70.2	78.8	85.4	90.9	95.9	96.5	98.2	98.2	98.2	98.4	98.5	98.5	98.5	98.5	98.5
≥ 800	45.8	70.3	78.9	85.5	91.0	96.1	96.7	98.4	98.4	98.4	98.7	98.8	98.8	98.8	98.8	98.8
≥ 700	45.8	70.3	78.9	85.5	91.1	96.2	96.8	98.5	98.5	98.5	98.8	98.9	98.9	98.9	98.9	98.9
≥ 600	45.8	70.3	78.9	85.6	91.2	96.6	97.2	98.9	98.9	98.9	99.1	99.3	99.3	99.3	99.3	99.3
≥ 500	45.8	70.3	78.9	85.7	91.4	96.7	97.3	99.4	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8
≥ 400	45.8	70.3	78.9	85.7	91.4	96.7	97.3	99.5	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 300	45.8	70.3	78.9	85.7	91.4	96.7	97.3	99.5	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	45.8	70.3	78.9	85.7	91.4	96.7	97.3	99.5	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100	45.9	70.3	78.9	85.7	91.4	96.7	97.3	99.5	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0
≥ 0	45.9	70.3	78.9	85.7	91.4	96.7	97.3	99.5	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 821

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

OL FAL CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

25... (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) JUL (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	25.9	33.4	37.4	40.1	42.3	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 20000	33.4	42.9	48.3	51.0	53.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000	33.4	43.1	48.5	51.3	53.6	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 16000	33.5	43.2	48.6	51.4	53.7	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 14000	33.9	43.9	49.3	52.1	54.5	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	35.6	46.0	51.7	54.5	56.9	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 10000	36.9	48.3	54.2	57.3	60.5	62.2	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 9000	37.2	48.7	54.6	57.7	61.0	62.7	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 8000	38.4	50.3	56.3	59.5	62.9	64.8	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 7000	38.5	50.9	56.9	60.2	63.7	65.5	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 6000	38.8	51.4	57.4	60.7	64.2	66.0	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	39.9	52.9	59.[illegible]	62.6	66.0	68.2	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4500	41.2	55.2	61.3	64.9	68.3	70.9	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 4000	44.4	60.7	67.7	71.9	76.0	79.3	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 3500	45.5	63.1	71.2	75.3	79.9	83.7	84.7	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 3000	46.3	64.9	73.4	77.9	82.8	86.6	87.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 2500	47.2	66.3	75.2	80.2	85.6	89.9	90.9	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2000	48.0	67.4	76.9	82.3	88.2	93.1	94.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1800	48.0	67.4	76.9	82.6	88.5	93.5	94.5	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1500	48.0	67.9	77.4	83.2	89.2	94.2	95.2	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	48.2	68.6	78.2	84.3	90.4	95.5	96.4	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000	48.2	68.7	78.3	84.4	90.6	95.6	96.6	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	49.2	68.7	78.3	84.4	90.6	95.6	96.6	98.0	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	48.2	69.0	78.5	84.8	90.9	96.0	97.1	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	48.2	69.0	78.5	84.9	91.0	96.2	97.3	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	48.2	69.0	78.5	84.9	91.0	96.2	97.4	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	48.2	69.0	78.5	84.9	91.0	96.2	97.4	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	48.2	69.0	78.7	85.2	91.3	96.4	97.7	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	48.2	69.0	78.7	85.2	91.3	96.4	97.7	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	48.2	69.0	78.7	85.2	91.3	96.4	97.7	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	48.2	69.0	78.7	85.2	91.3	96.4	97.7	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	48.2	69.0	78.7	85.2	91.3	96.4	97.7	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 815

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

123 (STATION) YOUNGSTOWN 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	31.9	48.6	45.7	57.9	50.6	52.3	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 20000	39.3	50.6	56.4	60.6	63.4	65.6	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000	39.4	51.7	56.5	60.1	63.6	65.8	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 16000	39.4	51.7	56.5	60.1	63.6	65.8	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 14000	39.9	51.4	57.2	60.9	64.4	66.5	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 12000	41.5	53.4	59.2	62.9	66.5	69.0	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 10000	44.1	56.3	62.7	66.7	70.5	73.4	74.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 9000	44.1	56.4	63.0	67.0	71.1	74.3	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 8000	45.4	58.2	65.0	69.3	73.4	76.6	77.8	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 7000	46.0	58.9	65.8	70.2	74.3	77.4	78.6	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 6000	46.3	59.4	66.3	70.7	74.8	77.9	79.1	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000	47.6	61.4	68.5	73.2	77.3	80.6	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 4500	48.4	62.7	69.9	74.6	78.7	82.1	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000	49.3	65.2	72.9	77.8	82.5	86.5	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3500	49.5	65.9	74.1	78.9	83.7	88.3	90.0	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 3000	49.6	66.4	74.6	79.6	84.8	89.5	91.3	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	49.9	67.4	76.1	81.4	86.6	91.3	93.2	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000	50.4	68.0	76.7	82.2	87.7	92.6	94.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1800	50.5	68.2	76.9	82.5	87.9	93.0	95.2	96.1	96.1	96.4	96.4	96.5	96.5	96.5	96.5	96.5
≥ 1500	50.6	68.4	77.3	82.9	88.3	93.4	95.7	96.7	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1
≥ 1200	50.8	69.0	77.9	83.5	89.0	94.1	96.4	97.5	97.5	97.7	97.7	97.8	97.8	97.8	97.8	97.8
≥ 1000	50.8	69.0	77.9	83.5	89.0	94.1	96.4	97.5	97.5	97.7	97.7	97.8	97.8	97.8	97.8	97.8
≥ 900	50.8	69.2	78.3	83.8	89.4	94.6	96.9	97.9	97.9	98.2	98.2	98.3	98.3	98.3	98.3	98.3
≥ 800	50.8	69.2	78.3	83.9	89.5	94.7	97.0	98.2	98.2	98.4	98.4	98.6	98.6	98.6	98.6	98.6
≥ 700	50.8	69.3	78.4	84.1	89.6	94.8	97.1	98.3	98.3	98.6	98.6	98.7	98.7	98.7	98.7	98.7
≥ 600	50.8	69.3	78.4	84.2	89.7	94.9	97.3	98.7	98.7	99.0	99.0	99.2	99.2	99.2	99.2	99.2
≥ 500	50.8	69.3	78.4	84.2	89.7	94.9	97.3	98.7	98.7	99.2	99.2	99.3	99.3	99.3	99.3	99.3
≥ 400	50.8	69.3	78.4	84.3	89.9	95.0	97.7	99.0	99.0	99.6	99.8	100.0	100.0	100.0	100.0	100.0
≥ 300	50.8	69.3	78.4	84.3	89.9	95.0	97.7	99.0	99.0	99.6	99.8	100.0	100.0	100.0	100.0	100.0
≥ 200	50.8	69.3	78.4	84.3	89.9	95.0	97.7	99.0	99.0	99.6	99.8	100.0	100.0	100.0	100.0	100.0
≥ 100	50.8	69.3	78.4	84.3	89.9	95.0	97.7	99.0	99.0	99.6	99.8	100.0	100.0	100.0	100.0	100.0
≥ 0	50.8	69.3	78.4	84.3	89.9	95.0	97.7	99.0	99.0	99.6	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 828

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

CEILING VERSUS VISIBILITY

25 (STATION) YOUNGSTOWN 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	35.1	49.1	53.1	56.9	58.7	60.9	62.0	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 20000	37.3	52.2	57.	61.5	63.9	66.5	67.8	68.1	68.1	68.3	68.5	68.5	68.5	68.5	68.5	68.5
≥ 18000	37.3	52.2	57.	61.5	64.0	66.6	67.9	68.2	68.2	68.5	68.6	68.6	68.6	68.6	68.6	68.6
≥ 16000	37.3	52.2	57.	61.5	64.0	66.6	67.9	68.2	68.2	68.5	68.6	68.6	68.6	68.6	68.6	68.6
≥ 14000	37.5	52.4	57.1	61.6	64.1	66.8	68.1	68.3	68.3	68.6	68.7	68.7	68.7	68.7	68.7	68.7
≥ 12000	38.1	53.8	58.7	63.6	66.1	68.7	70.3	70.6	70.6	70.8	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000	39.2	55.5	60.9	66.1	68.6	71.6	73.2	73.5	73.5	73.7	73.9	73.9	73.9	73.9	73.9	73.9
≥ 9000	39.7	56.3	62.0	67.2	69.7	72.7	74.3	74.5	74.5	74.8	74.9	74.9	74.9	74.9	74.9	74.9
≥ 8000	40.3	57.3	63.2	68.3	71.0	74.3	75.9	76.1	76.1	76.4	76.5	76.5	76.5	76.5	76.5	76.5
≥ 7000	41.6	58.7	64.8	69.9	72.6	76.1	77.8	78.1	78.1	78.4	78.5	78.5	78.5	78.5	78.5	78.5
≥ 6000	42.2	59.5	65.6	70.7	73.4	76.9	78.6	78.9	78.9	79.2	79.3	79.3	79.3	79.3	79.3	79.3
≥ 5000	43.5	62.0	68.9	74.3	77.2	80.9	82.6	83.0	83.0	83.2	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4500	43.7	62.9	70.4	75.9	78.8	82.5	84.3	84.7	84.7	85.0	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4000	44.3	64.2	72.2	78.1	81.0	85.0	86.9	87.3	87.3	87.6	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500	45.0	65.3	73.2	79.4	82.3	86.5	88.8	89.4	89.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3000	45.1	66.0	74.3	80.5	83.8	88.3	90.5	91.7	91.7	92.0	92.1	92.1	92.1	92.1	92.1	92.1
≥ 2500	45.1	66.2	74.9	81.3	84.6	89.1	91.3	92.5	92.5	92.7	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2000	45.4	66.5	75.3	82.1	85.4	89.8	92.5	93.8	93.8	94.1	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1800	45.4	66.5	75.3	82.1	85.4	89.8	92.6	93.9	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1500	45.9	67.0	75.9	82.6	86.0	90.5	93.4	94.7	94.7	95.0	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1200	46.0	67.5	76.5	83.4	86.8	91.3	94.3	95.6	95.6	96.0	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1000	46.1	67.5	76.6	83.6	87.1	91.6	94.6	95.9	95.9	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	46.1	67.7	77.2	84.2	87.6	92.1	95.1	96.4	96.4	97.1	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	46.1	67.9	77.6	84.6	88.0	92.5	95.6	97.0	97.0	97.6	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	46.1	67.9	77.8	84.8	86.3	92.7	95.9	97.2	97.2	97.9	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	46.1	67.9	78.0	85.0	88.4	92.9	96.0	97.5	97.5	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	46.0	67.9	78.	85.1	88.5	93.0	96.4	97.9	97.9	98.5	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	46.0	67.9	78.0	85.1	88.5	93.0	97.0	98.4	98.4	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	46.0	67.9	78.0	85.1	88.5	93.0	97.0	98.4	98.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	46.0	67.9	78.0	85.1	88.5	93.1	97.1	98.5	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	46.0	67.9	78.0	85.1	88.5	93.1	97.1	98.5	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	46.0	67.9	78.0	85.1	88.5	93.1	97.1	98.5	98.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 758

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

...AL CLIMATOLOGY BRANCH
...TAC
...FATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) JUL (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS (LST))

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	26.3	37.4	41.3	45.0	47.5	49.2	50.8	51.4	51.4	51.9	52.1	52.1	52.3	52.3	52.4	52.6
≥ 20000	30.4	42.8	47.5	51.6	54.6	56.7	58.6	59.5	59.5	60.1	60.3	60.3	60.5	60.5	60.6	60.8
≥ 18000	30.4	42.8	47.5	51.7	54.7	56.9	58.8	59.6	59.6	60.3	60.5	60.5	60.7	60.7	60.7	61.0
≥ 16000	30.4	42.9	47.6	51.8	54.7	56.9	58.8	59.7	59.7	60.3	60.5	60.5	60.7	60.7	60.8	61.0
≥ 14000	30.7	43.4	48.1	52.3	55.3	57.6	59.5	60.3	60.4	61.0	61.2	61.2	61.4	61.4	61.5	61.7
≥ 12000	31.2	44.6	49.5	53.9	57.1	59.5	61.5	62.4	62.4	63.1	63.3	63.3	63.5	63.5	63.6	63.8
≥ 10000	32.8	46.5	51.8	56.5	60.0	62.7	64.9	65.9	65.9	66.6	66.8	66.8	67.0	67.1	67.1	67.3
≥ 9000	33.1	46.9	52.3	57.0	60.5	63.3	65.5	66.5	66.5	67.2	67.4	67.4	67.6	67.6	67.7	67.9
≥ 8000	33.9	48.2	53.9	58.8	62.4	65.3	67.6	68.7	68.7	69.4	69.6	69.6	69.8	69.8	69.9	70.1
≥ 7000	34.2	48.8	54.9	59.6	63.2	66.2	68.6	69.7	69.7	70.4	70.6	70.6	70.9	70.9	70.9	71.2
≥ 6000	34.4	49.1	55.1	60.0	63.6	66.6	69.0	70.1	70.1	70.8	71.0	71.0	71.2	71.2	71.3	71.6
≥ 5000	35.4	50.8	57.1	62.1	65.8	69.0	71.6	72.8	72.8	73.5	73.7	73.7	73.9	73.9	74.0	74.2
≥ 4500	36.1	52.0	58.5	63.6	67.3	70.6	73.3	74.5	74.5	75.2	75.4	75.4	75.6	75.6	75.7	76.0
≥ 4000	37.6	54.7	61.5	66.8	70.8	74.5	77.4	78.7	78.7	79.4	79.6	79.7	79.9	79.9	80.0	80.2
≥ 3500	38.7	56.5	63.7	69.2	73.4	77.4	80.4	81.7	81.7	82.5	82.7	82.7	83.0	83.0	83.0	83.3
≥ 3000	39.4	57.8	65.4	71.1	75.6	79.7	82.9	84.5	84.5	85.2	85.5	85.5	85.7	85.7	85.8	86.0
≥ 2500	39.8	58.8	66.6	72.7	77.3	81.6	84.8	86.4	86.4	87.2	87.4	87.4	87.7	87.7	87.7	88.0
≥ 2000	40.3	59.6	67.7	73.9	78.8	83.3	86.6	88.3	88.3	89.1	89.4	89.4	89.6	89.6	89.7	89.9
≥ 1800	40.5	59.9	68.	74.4	79.2	83.8	87.2	88.9	88.9	89.7	90.0	90.0	90.2	90.2	90.3	90.6
≥ 1500	40.6	60.4	68.6	75.2	80.2	84.9	88.3	90.0	90.1	90.9	91.1	91.2	91.4	91.4	91.5	91.7
≥ 1200	40.9	61.1	69.4	76.2	81.4	86.2	89.8	91.6	91.6	92.5	92.7	92.8	93.0	93.0	93.1	93.3
≥ 1000	41.0	61.3	69.7	76.6	81.8	86.8	90.4	92.3	92.3	93.3	93.5	93.6	93.8	93.8	93.9	94.2
≥ 900	41.1	61.5	70.1	77.2	82.4	87.5	91.3	93.1	93.2	94.1	94.4	94.5	94.7	94.7	94.8	95.0
≥ 800	41.1	61.7	70.3	77.5	82.8	88.0	91.9	93.8	93.8	94.8	95.1	95.2	95.4	95.4	95.5	95.7
≥ 700	41.1	61.8	70.5	77.8	83.1	88.4	92.4	94.4	94.5	95.5	95.8	95.8	96.0	96.0	96.1	96.4
≥ 600	41.1	61.9	70.7	78.1	83.4	88.8	92.8	95.0	95.0	96.1	96.5	96.5	96.7	96.7	96.8	97.1
≥ 500	41.1	62.0	70.7	78.2	83.5	89.1	93.3	95.6	95.6	96.9	97.2	97.3	97.5	97.5	97.6	97.8
≥ 400	41.1	62.0	70.7	78.3	83.7	89.2	93.7	96.1	96.1	97.6	98.0	98.1	98.3	98.3	98.4	98.7
≥ 300	41.1	62.0	70.7	78.3	83.7	89.2	93.8	96.2	96.3	98.0	98.5	98.6	98.8	98.8	98.9	99.2
≥ 200	41.1	62.0	70.7	78.3	83.7	89.2	93.8	96.3	96.4	98.2	98.8	98.8	99.1	99.1	99.3	99.5
≥ 100	41.1	62.0	70.7	78.3	83.7	89.2	93.8	96.3	96.4	98.3	98.8	98.9	99.2	99.2	99.4	99.7
≥ 0	41.1	62.0	70.7	78.3	83.7	89.2	93.8	96.3	96.4	98.3	98.8	98.9	99.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 6325

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

[illegible] CLIMATOLOGY BRANCH
[illegible]ETAC
[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible] HOUR

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥¼	≥⅛	0
NO CEILING	21.7	34.3	39.4	44.2	47.8	49.9	51.9	52.9	52.9	53.5	53.8	53.8	54.4	54.5	54.5
≥ 20000	22.6	37.5	43.1	48.5	52.3	53.8	57.2	58.9	58.9	59.7	59.9	59.9	60.5	60.6	60.6
≥ 18000	22.6	37.6	43.2	48.6	52.5	54.1	57.4	59.0	59.0	59.9	60.1	60.1	60.6	60.8	60.8
≥ 16000	22.6	37.6	43.2	48.6	52.5	54.1	57.4	59.0	59.0	59.8	60.1	60.1	60.6	60.8	60.8
≥ 14000	22.9	38.1	43.7	49.2	53.0	54.5	57.9	59.5	59.5	60.4	60.6	60.6	61.2	61.3	61.3
≥ 12000	24.0	39.6	45.5	51.2	54.8	56.3	59.7	61.3	61.3	62.1	62.4	62.4	62.9	63.1	63.1
≥ 10000	25.6	42.5	48.5	54.4	58.4	59.9	63.8	65.4	65.4	66.2	66.5	66.5	67.0	67.2	67.2
≥ 9000	25.6	42.9	48.9	54.9	59.0	60.5	64.3	65.9	65.9	66.8	67.0	67.0	67.6	67.7	67.7
≥ 8000	26.5	44.4	50.5	56.9	61.2	63.1	67.4	69.1	69.1	69.9	70.2	70.2	70.7	70.8	70.8
≥ 7000	27.5	45.8	51.9	59.1	63.5	65.4	69.9	71.5	71.5	72.3	72.6	72.6	73.2	73.3	73.3
≥ 6000	27.9	46.3	52.9	59.9	64.4	66.8	71.3	72.9	72.9	73.7	74.0	74.0	74.5	74.7	74.7
≥ 5000	28.2	47.7	54.6	62.4	67.0	69.6	74.3	75.9	75.9	76.7	77.0	77.0	77.5	77.7	77.7
≥ 4500	28.6	48.5	55.9	63.8	68.5	71.4	76.3	77.7	77.7	78.5	78.7	78.7	79.3	79.4	79.4
≥ 4000	29.0	50.3	57.8	66.1	71.3	74.1	79.7	80.4	80.4	81.2	81.5	81.5	82.0	82.2	82.2
≥ 3500	29.2	51.5	58.1	66.3	71.5	74.4	79.3	80.9	80.9	81.7	82.0	82.0	82.6	82.7	82.7
≥ 3000	29.3	51.2	59.5	67.7	72.9	75.9	80.9	82.8	82.8	83.7	83.9	83.9	84.5	84.6	84.6
≥ 2500	30.1	52.5	60.4	69.5	74.8	78.1	83.1	85.1	85.1	86.0	86.2	86.2	86.8	86.9	86.9
≥ 2000	30.4	52.7	61.2	69.9	75.5	78.7	83.8	85.8	85.8	86.6	86.9	86.9	87.5	87.6	87.6
≥ 1800	30.4	52.9	61.3	70.2	75.7	79.2	84.2	86.2	86.2	87.1	87.3	87.3	87.9	88.0	88.0
≥ 1500	30.4	53.0	61.6	70.4	76.2	79.6	84.6	86.6	86.6	87.5	87.7	87.7	88.3	88.4	88.4
≥ 1200	30.7	53.5	62.3	71.5	77.2	80.8	85.8	88.0	88.0	89.0	89.4	89.4	89.9	90.1	90.1
≥ 1000	31.2	54.4	63.2	72.6	78.3	82.0	87.1	89.2	89.2	90.2	90.6	90.6	91.1	91.3	91.3
≥ 900	31.3	54.5	63.4	73.0	78.7	82.4	87.5	89.6	89.6	90.6	91.0	91.0	91.6	91.7	91.7
≥ 800	31.3	54.6	63.5	73.3	79.2	82.8	87.9	90.1	90.1	91.0	91.4	91.4	92.0	92.1	92.1
≥ 700	31.3	55.0	63.9	73.7	8 .0	83.3	88.8	91.0	91.0	92.0	92.4	92.4	92.9	93.1	93.1
≥ 600	31.3	55.6	64.6	74.5	8 .8	84.6	90.1	92.2	92.2	93.2	93.6	93.6	94.1	94.3	94.3
≥ 500	31.3	55.6	64.6	74.5	8 .8	84.6	90.1	92.4	92.4	93.3	93.7	93.7	94.3	94.4	94.4
≥ 400	31.3	55.7	64.9	75.1	81.6	85.4	91.0	93.7	93.7	94.7	95.1	95.1	95.6	95.8	95.8
≥ 300	31.3	55.7	65.0	75.5	82.0	85.8	91.6	94.7	94.7	95.6	96.0	96.0	96.6	96.7	96.7
≥ 200	31.3	55.7	65.0	75.5	82.2	86.0	92.2	95.5	95.5	96.6	97.3	97.3	98.0	98.1	98.1
≥ 100	31.3	55.7	65.0	75.5	82.2	86.0	92.4	95.8	95.8	97.4	98.1	98.1	98.9	99.0	99.2
≥ 0	31.3	55.7	65.0	75.5	82.2	86.0	92.4	95.8	95.8	97.4	98.2	98.2	99.1	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 734

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

...AL CLIMATOLOGY BRANCH
... TAC
... ATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

... STATION | YOUNGSTOWN 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	
NO CEILING	17.5	26.9	31.7	37.1	40.1	42.7	46.0	47.9	47.9	48.3	48.4	48.4	49.4	48.6	49.1	49.7
≥ 20000	18.1	26.2	32.0	37.7	42.7	45.4	48.8	51.2	51.2	51.8	52.0	52.0	52.0	52.1	52.9	53.6
≥ 18000	18.1	26.2	32.0	37.7	42.7	45.4	48.8	51.2	51.2	51.8	52.0	52.0	52.0	52.1	52.9	53.6
≥ 16000	18.1	26.2	32.0	37.7	42.7	45.4	48.8	51.2	51.2	51.8	52.0	52.0	52.0	52.1	52.9	53.6
≥ 14000	18.1	26.3	32.2	37.8	42.8	45.7	49.1	51.4	51.4	52.1	52.2	52.2	52.2	52.4	53.2	53.9
≥ 12000	18.5	26.7	33.6	41.4	44.4	47.1	51.5	52.8	52.8	53.9	54.1	54.0	54.0	54.1	55.0	55.6
≥ 10000	19.9	32.5	36.9	45.3	48.7	51.6	55.2	57.6	57.6	58.6	58.8	58.8	58.8	58.9	59.7	60.4
≥ 9000	19.7	33.1	37.4	45.9	49.3	52.1	55.8	58.1	58.1	59.2	59.3	59.3	59.3	59.5	60.3	61.0
≥ 8000	20.1	34.0	38.5	47.1	50.6	53.6	57.3	59.6	59.6	60.7	60.8	60.8	60.8	61.1	61.8	62.4
≥ 7000	20.3	34.4	39.5	48.2	51.7	54.7	58.5	61.0	61.0	62.3	62.2	62.2	62.2	62.3	63.1	63.8
≥ 6000	20.3	35.0	39.7	48.4	52.0	55.1	58.9	61.5	61.5	62.6	62.7	62.7	62.7	62.9	63.7	64.4
≥ 5000	20.3	37.0	41.9	50.9	54.8	58.1	62.3	64.9	64.9	66.2	66.1	66.1	66.1	66.3	67.1	67.8
≥ 4500	21.2	37.7	42.7	52.0	56.1	59.3	63.7	66.3	66.3	67.3	67.5	67.5	67.5	67.6	68.4	69.1
≥ 4000	22.6	39.5	45.3	54.4	58.9	62.4	66.9	69.8	69.8	70.9	71.0	71.0	71.0	71.2	72.0	72.7
≥ 3500	23.1	42.2	46.7	55.5	60.3	63.9	68.6	71.6	71.6	72.7	72.8	72.8	72.8	72.9	73.7	74.4
≥ 3000	23.8	41.6	47.6	56.2	61.2	66.7	71.4	74.7	74.7	75.8	76.1	76.1	76.1	76.2	77.0	77.7
≥ 2500	24.5	42.7	49.1	60.3	64.9	69.1	73.9	77.1	77.1	78.4	78.6	78.6	78.6	78.8	79.6	80.3
≥ 2000	24.6	43.4	49.8	61.0	65.9	71.1	74.8	78.1	78.1	79.3	79.6	79.6	79.6	79.7	80.5	81.2
≥ 1800	24.6	43.7	50.1	61.2	66.1	71.3	75.1	78.4	78.4	79.6	79.9	79.9	79.9	80.0	80.8	81.5
≥ 1500	24.6	44.2	50.6	62.4	67.3	71.6	76.3	79.6	79.6	80.8	81.1	81.1	81.1	81.2	82.0	82.7
≥ 1200	24.8	44.5	51.3	63.5	68.6	72.8	77.6	80.8	80.8	82.0	82.3	82.3	82.3	82.4	83.4	84.1
≥ 1000	24.8	44.5	51.4	64.2	69.3	73.5	78.4	81.9	81.9	83.1	83.4	83.4	83.4	83.5	84.5	85.2
≥ 900	24.8	44.9	51.4	64.4	69.5	73.7	78.6	82.2	82.2	83.4	83.8	83.8	83.8	83.9	84.9	85.6
≥ 800	24.9	45.0	51.7	64.6	69.9	74.4	79.3	83.0	83.0	84.2	84.6	84.6	84.6	84.8	85.7	86.4
≥ 700	24.9	45.3	52.0	65.3	71.2	75.6	80.5	84.2	84.2	85.4	85.9	85.9	86.0	86.1	87.1	87.8
≥ 600	24.9	45.3	52.4	66.4	72.2	76.7	82.2	86.0	86.0	87.2	87.6	87.6	87.8	87.9	88.8	89.5
≥ 500	24.9	45.3	52.7	67.1	73.1	77.6	83.0	87.2	87.2	88.7	89.1	89.1	89.3	89.4	90.3	91.0
≥ 400	24.9	45.3	52.8	67.3	73.3	77.8	83.5	87.9	87.9	89.7	90.1	90.1	90.2	90.3	91.3	92.0
≥ 300	24.9	45.3	52.8	67.8	73.9	78.4	84.5	89.0	89.0	90.9	91.3	91.3	91.4	91.5	92.8	93.5
≥ 200	24.9	45.3	52.8	67.9	74.0	78.5	84.9	89.7	89.7	92.0	92.7	92.7	92.8	93.2	94.1	94.8
≥ 100	24.9	45.3	52.8	67.9	74.0	78.6	85.4	90.2	90.2	92.9	93.9	93.9	94.1	94.6	96.1	97.3
≥ 0	24.9	45.3	52.8	67.9	74.0	78.6	85.4	90.3	90.3	93.1	94.2	94.0	94.4	94.8	96.6	98.3

TOTAL NUMBER OF OBSERVATIONS 735

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

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

CEILING VERSUS VISIBILITY

... | YOUNGSTOWN MAP O... | 73-81 | AUG
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	12.3	19.1	21.5	24.5	25.9	29.2	34.7	36.8	36.8	40.0	40.4	40.4	40.7	40.7	41.0	41.4
≥ 20000	13.3	21.9	25.1	28.2	30.5	35.0	41.3	43.9	43.9	47.2	47.8	47.8	48.2	48.2	48.7	49.2
≥ 18000	13.5	21.8	25.1	28.2	30.5	35.0	41.4	44.1	44.1	47.3	47.9	47.9	48.3	48.3	48.8	49.2
≥ 16000	13.6	21.8	25.1	28.2	30.5	35.0	41.4	44.1	44.1	47.3	47.9	47.9	48.3	48.3	48.8	49.2
≥ 14000	13.7	21.9	25.2	28.3	30.6	35.1	41.5	44.2	44.2	47.5	48.1	48.1	48.4	48.4	48.9	49.3
≥ 12000	14.2	22.8	26.4	29.8	32.2	36.7	43.1	45.9	45.9	49.3	50.0	50.0	50.5	50.5	51.0	51.3
≥ 10000	15.1	25.2	29.4	33.1	35.5	40.8	47.7	50.8	50.8	54.2	55.0	55.0	55.4	55.4	55.9	56.3
≥ 9000	15.3	25.3	29.5	33.4	35.8	41.2	48.2	51.3	51.3	54.7	55.6	55.6	56.1	56.1	56.5	56.9
≥ 8000	15.5	25.9	30.4	34.5	37.0	42.5	49.6	52.8	52.8	56.2	57.0	57.0	57.5	57.5	58.0	58.4
≥ 7000	16.0	26.3	30.9	35.2	37.8	43.2	50.5	53.8	53.8	57.3	58.1	58.1	58.6	58.6	59.1	59.4
≥ 6000	16.1	26.5	31.2	35.7	38.5	44.1	51.3	54.8	54.8	58.4	59.3	59.3	59.8	59.8	60.3	60.7
≥ 5000	16.6	27.6	32.3	37.5	40.6	46.2	53.8	57.5	57.5	61.1	62.1	62.1	62.6	62.6	63.1	63.4
≥ 4500	16.6	27.7	32.4	37.8	41.0	47.0	54.7	58.5	58.5	62.1	63.1	63.1	63.6	63.6	64.0	64.4
≥ 4000	17.3	28.7	33.4	38.9	42.1	48.1	57.0	60.9	60.9	64.6	65.7	65.7	66.2	66.2	66.7	67.1
≥ 3500	17.6	29.1	33.9	39.6	42.9	48.9	57.9	61.9	61.9	65.6	66.7	66.7	67.2	67.2	67.7	68.0
≥ 3000	18.0	30.1	35.5	41.4	44.7	50.7	59.9	64.2	64.2	67.9	69.0	69.0	69.6	69.6	70.2	70.6
≥ 2500	18.4	30.5	35.8	42.0	45.3	51.7	61.1	65.5	65.5	69.2	70.3	70.3	70.9	70.9	71.5	71.9
≥ 2000	18.8	30.9	36.4	42.7	46.0	52.7	62.3	66.8	66.8	70.6	71.7	71.7	72.3	72.3	72.9	73.2
≥ 1800	18.8	31.0	36.6	42.9	46.1	52.8	62.5	67.1	67.1	70.8	71.9	71.9	72.5	72.5	73.1	73.5
≥ 1500	18.8	31.5	37.2	43.6	47.1	53.8	63.7	68.9	68.9	72.8	73.8	73.8	74.5	74.5	75.1	75.4
≥ 1200	18.9	32.0	37.8	44.3	47.8	54.7	64.9	70.3	70.3	74.7	75.8	75.8	76.4	76.4	77.1	77.5
≥ 1000	18.9	32.2	38.0	44.8	48.3	55.6	66.0	71.7	71.7	76.2	77.2	77.2	77.8	77.8	78.7	79.1
≥ 900	18.9	32.3	38.3	45.0	48.7	56.1	66.6	72.8	72.8	77.4	78.5	78.5	79.1	79.1	80.0	80.4
≥ 800	19.1	32.8	38.7	45.5	49.2	56.8	67.8	74.0	74.0	78.8	80.0	80.0	80.8	80.8	81.7	82.1
≥ 700	19.1	32.8	38.7	45.5	49.2	57.1	68.4	74.9	74.9	80.0	81.2	81.2	82.0	82.0	82.9	83.3
≥ 600	19.1	32.8	38.9	45.8	49.4	57.5	69.0	75.5	75.5	81.0	82.2	82.2	82.9	82.9	83.9	84.3
≥ 500	19.2	33.1	39.5	46.5	50.1	58.6	70.5	78.3	78.5	84.3	85.5	85.5	86.3	86.3	87.3	87.7
≥ 400	19.2	33.2	39.7	46.7	50.5	59.1	71.7	80.1	80.3	86.7	88.1	88.1	89.0	89.0	90.0	90.3
≥ 300	19.2	33.2	39.7	46.9	50.7	59.4	72.4	81.8	82.1	89.2	90.8	90.8	91.8	91.8	92.7	93.1
≥ 200	19.2	33.2	39.7	46.9	50.7	59.4	72.6	82.2	82.4	90.6	93.0	93.0	94.2	94.3	95.4	95.9
≥ 100	19.2	33.2	39.7	46.9	50.7	59.4	72.6	82.3	82.6	90.7	93.5	93.5	94.7	94.8	96.0	97.1
≥ 0	19.2	33.2	39.7	46.9	50.7	59.4	72.6	82.3	82.6	90.7	93.5	93.5	94.7	94.8	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 826

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

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

CEILING VERSUS VISIBILITY

25 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	25.9	25.8	27.4	30.8	32.5	36.7	38.7	39.3	39.3	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 20000	27.7	31.8	32.9	36.7	39.1	44.1	46.5	47.1	47.1	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 18000	27.7	31.8	32.9	36.7	39.2	44.4	46.7	47.3	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 16000	27.7	31.8	32.9	36.7	39.2	44.4	46.7	47.3	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 14000	27.7	31.8	33.3	37.1	39.6	45.0	47.3	48.0	48.0	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 12000	28.0	32.5	34.7	38.6	41.4	46.8	49.3	49.9	49.9	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 10000	28.9	34.9	37.5	41.4	44.5	51.1	52.8	53.4	53.4	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 9000	28.9	35.0	37.6	41.5	44.6	50.2	52.9	53.6	53.6	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 8000	29.0	35.6	38.3	42.4	45.5	51.1	53.8	54.5	54.5	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 7000	29.2	35.6	38.6	42.8	46.0	51.7	54.4	55.1	55.1	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 6000	29.3	36.2	38.9	43.1	46.4	52.2	54.9	55.7	55.7	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 5000	29.7	37.1	40.2	44.6	48.5	54.5	57.5	58.5	58.5	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 4500	29.8	37.5	41.1	45.5	49.4	55.6	58.7	59.7	59.7	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 4000	31.4	39.4	43.3	47.8	51.9	58.3	61.6	62.5	62.5	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 3500	31.9	40.2	44.3	48.8	53.3	61.0	63.4	64.4	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 3000	32.7	41.7	45.7	50.3	54.9	61.9	65.4	66.7	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 2500	33.9	43.6	47.8	52.7	57.5	64.8	68.4	70.0	70.0	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 2000	35.0	46.2	50.8	56.0	61.1	68.9	72.4	74.3	74.4	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 1800	35.7	47.5	52.3	57.5	62.8	70.7	74.5	76.4	76.5	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1500	36.3	49.6	54.4	59.8	65.8	74.3	78.4	80.3	80.5	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1200	37.2	51.5	56.4	62.5	68.6	77.6	82.0	84.2	84.3	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1000	37.2	51.7	57.1	63.3	69.6	79.1	84.1	86.4	86.5	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 900	37.3	51.9	57.5	63.8	70.1	79.9	85.0	87.5	87.6	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 800	37.4	52.2	57.8	64.3	71.7	80.7	86.2	88.8	88.9	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 700	37.4	52.3	58.1	64.5	71.1	81.3	87.1	90.0	90.1	90.9	90.9	90.9	91.0	91.0	91.0	91.0
≥ 600	37.6	52.8	58.6	65.3	71.9	82.6	88.6	92.1	92.2	93.0	93.1	93.1	93.2	93.2	93.2	93.2
≥ 500	37.7	52.9	58.7	65.4	72.2	83.2	90.0	93.9	94.2	95.1	95.2	95.2	95.3	95.3	95.3	95.3
≥ 400	37.7	53.2	59.1	66.0	72.9	84.1	91.0	95.4	95.7	96.8	97.0	97.1	97.2	97.2	97.2	97.2
≥ 300	37.7	53.2	59.1	66.1	73.1	84.2	91.6	96.3	96.7	98.3	98.6	98.6	98.8	98.8	98.8	98.8
≥ 200	37.7	53.2	59.1	66.1	73.1	84.2	91.6	96.4	96.8	98.4	98.9	98.9	99.4	99.5	99.5	99.5
≥ 100	37.7	53.2	59.1	66.1	73.1	84.2	91.6	96.4	96.8	98.4	99.0	99.0	99.6	99.8	99.8	99.8
≥ 0	37.7	53.2	59.1	66.1	73.1	84.2	91.6	96.4	96.8	98.4	99.0	99.0	99.6	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 809

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

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

CEILING VERSUS VISIBILITY

... STATION | YOUNGSTOWN 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	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	16.8	22.5	24.2	26.1	28.4	27.7	28.6	29.0	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 20000	27.7	23.8	32.6	32.9	33.9	35.1	36.2	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 18000	27.7	28.8	32.8	32.9	33.9	35.1	36.2	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 16000	27.7	28.8	32.8	32.9	33.9	35.1	36.2	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 14000	27.9	29.0	31.1	33.2	34.1	35.4	36.5	36.8	36.8	37.0	37.0	37.0	37.0	37.0	37.0	37.0
≥ 12000	21.9	31.1	33.2	35.3	36.5	37.7	38.8	39.2	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 10000	23.0	33.9	36.2	38.4	40.1	41.4	42.5	42.8	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 9000	23.0	34.0	36.4	38.6	40.3	41.5	42.6	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 8000	23.1	35.1	37.7	40.1	41.9	43.1	44.2	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 7000	23.6	35.6	38.2	40.6	42.4	43.7	44.9	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 6000	23.6	35.6	38.4	40.9	42.6	43.9	45.2	45.5	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 5000	24.6	37.0	39.9	42.4	44.4	46.0	47.4	47.7	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 4500	25.5	38.1	41.1	43.9	46.1	47.9	49.4	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 4000	28.2	42.4	45.7	49.1	51.7	53.9	55.4	55.9	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 3500	31.6	46.9	50.9	54.7	57.4	60.7	62.5	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 3000	32.4	51.4	55.2	59.5	62.9	66.6	68.9	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 2500	34.3	55.3	61.2	65.7	70.7	75.2	78.0	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 2000	35.4	58.4	65.5	71.6	76.9	81.9	84.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1800	35.6	59.4	66.6	72.1	78.6	84.1	87.1	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1500	35.7	60.0	67.2	73.1	80.0	85.9	89.1	90.3	90.3	90.5	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1200	36.0	60.8	68.2	74.7	81.9	88.6	92.0	93.4	93.4	93.5	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1000	36.2	61.2	68.7	75.4	82.6	89.4	93.1	94.9	94.9	95.0	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900	36.4	61.7	69.3	76.0	83.2	90.0	94.0	95.8	95.8	96.0	96.3	96.3	96.3	96.3	96.3	96.3
≥ 800	36.4	61.7	69.3	76.0	83.2	90.0	94.1	96.0	96.0	96.1	96.5	96.5	96.5	96.5	96.5	96.5
≥ 700	36.5	61.9	69.5	76.4	83.6	90.6	95.1	96.9	96.9	97.1	97.4	97.4	97.4	97.4	97.4	97.4
≥ 600	36.7	62.3	69.9	76.7	84.0	90.9	95.5	97.4	97.4	97.7	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	36.7	62.4	70.0	76.9	84.1	91.2	96.2	98.3	98.3	98.5	98.9	98.9	99.0	99.0	99.0	99.0
≥ 400	36.7	62.4	70.0	77.0	84.2	91.4	96.9	99.0	99.0	99.3	99.6	99.6	99.8	99.8	99.8	99.8
≥ 300	36.7	62.4	70.1	77.1	84.3	91.6	97.1	99.1	99.1	99.4	99.8	99.8	100.0	100.0	100.0	100.0
≥ 200	36.7	62.4	70.0	77.1	84.3	91.6	97.1	99.1	99.1	99.4	99.8	99.8	100.0	100.0	100.0	100.0
≥ 100	36.7	62.4	70.0	77.1	84.3	91.6	97.1	99.1	99.1	99.4	99.8	99.8	100.0	100.0	100.0	100.0
≥ 0	36.7	62.4	70.0	77.1	84.3	91.6	97.1	99.1	99.1	99.4	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 817

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

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...25 STATION | YOUNGSTOWN 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	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	0
NO CEILING	19.8	26.7	29.7	30.5	32.1	33.9	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 20000	23.7	34.9	37.7	39.7	41.8	44.5	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 18000	24.1	35.4	38.2	40.2	42.3	45.0	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 16000	24.1	35.4	38.2	40.2	42.3	45.0	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 14000	24.4	35.8	38.6	40.6	42.6	45.3	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 12000	25.1	37.6	40.9	43.3	45.3	48.0	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 10000	26.0	39.5	43.0	45.5	47.8	50.6	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 9000	26.0	39.7	43.3	46.0	48.4	51.2	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 8000	26.9	40.8	44.7	47.4	49.9	52.7	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 7000	27.5	41.4	45.3	48.2	50.6	53.4	54.7	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 6000	27.6	41.7	45.6	48.4	51.0	54.2	55.4	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 5000	28.6	43.5	47.5	50.6	53.2	57.0	58.5	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 4500	30.4	46.0	50.6	53.7	56.3	60.3	62.0	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4000	33.6	51.6	57.5	61.0	65.1	69.4	71.3	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500	34.9	55.0	61.3	65.3	69.6	74.0	76.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3000	35.9	57.8	65.0	69.4	73.8	78.3	80.8	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2500	36.3	61.0	69.5	75.2	80.8	86.3	89.1	90.1	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6
≥ 2000	37.6	62.4	71.1	77.0	82.7	88.7	91.8	92.8	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1800	37.7	62.7	71.6	77.6	83.3	89.6	92.9	93.9	94.1	94.2	94.4	94.4	94.4	94.4	94.4	94.4
≥ 1500	38.1	63.4	72.4	78.7	84.4	90.8	94.1	95.3	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1200	38.1	63.7	72.8	79.0	84.8	91.2	94.5	95.8	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1000	38.1	63.7	72.8	79.2	84.9	91.5	94.9	96.2	96.4	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	38.1	64.1	73.3	79.4	85.2	91.8	95.1	96.4	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	38.2	64.1	73.4	79.8	85.5	92.2	95.5	96.8	97.1	97.3	97.4	97.4	97.5	97.5	97.5	97.5
≥ 700	38.2	64.1	73.4	79.8	85.5	92.4	96.0	97.4	97.7	97.9	98.0	98.0	98.2	98.2	98.2	98.2
≥ 600	38.2	64.2	73.5	79.9	85.7	92.5	96.1	97.5	97.8	98.0	98.2	98.2	98.3	98.3	98.3	98.3
≥ 500	38.2	64.7	74.0	80.4	86.2	93.1	96.8	98.3	98.5	98.9	99.0	99.0	99.1	99.1	99.1	99.1
≥ 400	38.2	64.7	74.0	80.5	86.3	93.4	97.4	99.1	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 300	38.2	64.7	74.0	80.5	86.3	93.4	97.4	99.1	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	38.2	64.7	74.0	80.5	86.3	93.4	97.4	99.1	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	38.2	64.7	74.0	80.5	86.3	93.4	97.4	99.1	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	38.2	64.7	74.1	80.5	86.3	93.4	97.4	99.1	99.4	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 816

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

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

CEILING VERSUS VISIBILITY

33	YOUNGSTOWN MAP OH	73-61	AUG
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	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	29.6	36.7	41.3	47.0	45.2	48.2	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 20000	29.6	44.8	49.2	51.9	54.4	58.2	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 18000	30.2	44.9	49.7	52.5	55.1	58.8	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 16000	30.2	44.9	49.7	52.5	55.1	58.8	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 14000	30.2	45.2	49.9	52.9	55.4	59.4	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 12000	30.3	46.5	51.6	54.7	57.5	61.5	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 10000	32.6	49.3	54.6	58.1	61.3	66.1	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 9000	32.9	49.5	54.7	58.2	61.4	66.3	68.8	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 8000	33.9	51.0	56.3	59.9	63.3	68.2	70.8	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 7000	34.0	51.9	57.1	60.9	64.3	69.2	71.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 6000	34.7	52.7	58.0	61.8	65.2	70.3	72.8	73.9	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 5000	35.5	54.3	60.4	64.6	69.1	73.8	76.5	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 4500	37.1	56.2	62.2	66.7	71.3	76.4	79.2	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 4000	38.1	59.6	64.7	69.4	73.3	79.8	82.6	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 3500	39.2	59.9	66.3	71.6	75.5	82.1	85.3	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 3000	39.8	60.8	67.2	73.0	76.9	83.9	87.5	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 2500	39.8	61.1	68.1	74.2	78.6	86.0	89.5	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 2000	40.0	61.5	69.7	74.8	79.3	87.2	90.7	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800	40.0	61.6	69.3	75.5	80.1	88.1	91.8	93.8	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	40.0	62.4	70.0	76.4	81.1	89.2	93.1	95.1	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1200	40.0	62.6	70.3	76.6	81.5	89.9	93.8	96.1	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1000	40.0	62.6	70.4	76.7	81.6	90.0	94.0	96.5	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	40.0	62.6	70.4	76.7	81.6	90.0	94.0	96.5	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 800	40.0	62.7	70.5	76.9	81.7	90.1	94.2	96.6	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 700	40.0	62.7	70.6	77.1	82.0	90.4	94.5	97.0	97.2	97.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	40.0	62.9	70.9	77.3	82.2	90.6	94.8	97.2	97.4	98.1	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	40.0	63.0	71.0	77.6	82.5	90.9	95.0	97.4	97.7	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	40.0	63.0	71.0	77.6	82.5	91.0	95.6	98.1	98.3	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	40.0	63.0	71.0	77.6	82.5	91.0	95.9	98.4	98.7	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	40.0	63.0	71.0	77.6	82.5	91.0	96.0	98.5	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	40.0	63.0	71.0	77.6	82.5	91.0	96.0	98.5	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	40.0	63.0	71.0	77.6	82.5	91.0	96.0	98.5	98.8	99.5	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 821

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

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
?...	YOUNGSTO...N MAP OH	73-81	AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS LST: 2100-2300

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	39.6	43.4	48.2	50.9	52.4	53.3	53.4	53.4	53.7	53.9	53.9	54.1	54.1	54.1	54.2
≥ 20000	29..	45.3	49.9	55.1	58.0	59.7	61.2	61.9	61.9	62.2	62.5	62.5	62.6	62.6	62.6	62.7
≥ 18000	29.7	45.3	49.9	55.1	58.0	59.7	61.2	61.9	61.9	62.2	62.5	62.5	62.6	62.6	62.6	62.7
≥ 16000	29.7	45.3	49.9	55.1	58.0	59.7	61.2	61.9	61.9	62.2	62.5	62.5	62.6	62.6	62.6	62.7
≥ 14000	29.4	45.7	50.4	55.8	58.7	60.4	61.8	62.6	62.6	62.9	63.1	63.1	63.3	63.3	63.3	63.4
≥ 12000	29.8	46.2	51.3	57.0	59.8	61.5	63.0	63.8	63.8	64.0	64.3	64.3	64.4	64.4	64.4	64.6
≥ 10000	32.0	51.0	56.4	62.3	66.0	68.1	69.7	70.5	70.5	70.7	71.0	71.0	71.1	71.1	71.1	71.3
≥ 9000	32.1	51.3	56.7	62.6	66.3	68.4	69.9	70.7	70.7	71.0	71.3	71.3	71.4	71.4	71.4	71.5
≥ 8000	32.2	52.1	57.9	63.9	67.7	70.1	71.9	72.7	72.7	73.0	73.2	73.2	73.4	73.4	73.4	73.5
≥ 7000	32.2	52.4	58.3	64.3	68.1	70.5	72.3	73.1	73.1	73.4	73.6	73.6	73.8	73.8	73.8	73.9
≥ 6000	32.5	52.9	58.8	65.0	68.9	71.7	73.5	74.7	74.7	74.9	75.2	75.2	75.3	75.3	75.3	75.5
≥ 5000	33.3	55.0	61.4	67.8	71.8	74.5	76.4	77.6	77.6	78.1	78.3	78.3	78.5	78.5	78.5	78.6
≥ 4500	34.3	57.2	63.6	70.3	74.4	77.2	79.0	80.2	80.2	80.7	81.0	81.0	81.1	81.1	81.1	81.2
≥ 4000	35.4	58.5	65.1	72.0	76.2	79.1	81.0	82.2	82.2	82.7	82.9	82.9	83.1	83.1	83.1	83.2
≥ 3500	35.6	58.9	65.4	72.4	76.9	79.8	81.8	83.1	83.1	83.6	83.9	83.9	84.0	84.0	84.0	84.1
≥ 3000	36.1	60.1	67.2	74.7	79.7	82.7	84.6	86.1	86.1	86.6	86.9	86.9	87.0	87.0	87.0	87.1
≥ 2500	36.7	61.3	68.5	76.4	81.6	84.8	86.7	88.2	88.2	88.7	89.0	89.0	89.1	89.1	89.1	89.2
≥ 2000	36.7	61.9	69.6	78.0	83.2	86.7	88.8	90.3	9 .3	90.8	91.1	91.1	91.2	91.2	91.2	91.3
≥ 1800	36.7	62.2	70.2	78.7	84.0	87.5	89.8	91.2	91.2	91.7	92.0	92.0	92.1	92.1	92.1	92.3
≥ 1500	36.7	62.3	70.5	79.0	84.4	87.9	90.3	91.7	91.7	92.3	92.5	92.5	92.7	92.7	92.7	92.8
≥ 1200	36.9	62.6	70.9	79.7	85.0	88.7	91.1	92.7	92.7	93.2	93.4	93.4	93.6	93.6	93.6	93.7
≥ 1000	37.0	62.9	71.4	80.2	85.7	89.5	92.0	93.7	93.8	94.4	94.6	94.6	94.8	94.8	94.8	94.9
≥ 900	37.0	62.9	71.5	80.3	85.8	89.6	92.1	93.8	94.0	94.5	94.8	94.8	94.9	94.9	94.9	95.0
≥ 800	37.0	63.0	71.8	80.6	86.2	90.0	92.5	94.2	94.4	95.1	95.4	95.4	95.5	95.5	95.5	95.7
≥ 700	37.0	63.0	71.8	80.6	86.4	90.2	92.8	94.5	94.6	95.5	95.8	95.8	95.9	95.9	95.9	96.1
≥ 600	37.0	63.0	71.8	80.6	86.4	90.2	92.8	94.5	94.6	95.5	95.8	95.8	95.9	95.9	95.9	96.1
≥ 500	37.0	63.0	71.8	80.8	86.6	90.6	93.2	95.1	95.3	96.2	96.7	96.7	96.9	96.9	96.9	97.0
≥ 400	37.0	63.4	72.2	81.5	87.5	91.6	94.5	96.7	96.9	97.9	98.4	98.4	98.6	98.6	98.6	98.7
≥ 300	37.0	63.4	72.2	81.5	87.5	91.6	94.5	97.0	97.1	98.2	98.7	98.7	98.8	98.8	98.8	99.0
≥ 200	37.0	63.4	72.2	81.5	87.5	91.9	94.9	97.4	97.5	98.7	99.2	99.2	99.3	99.3	99.3	99.5
≥ 100	37.0	63.4	72.2	81.5	87.5	91.9	95.0	97.5	97.6	99.1	99.6	99.6	99.7	99.7	99.7	99.9
≥ 0	37.0	63.4	72.2	81.5	87.5	91.9	95.0	97.5	97.6	99.1	99.6	99.6	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 762

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

25 (STATION) YOUNGSTOWN 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	≥2 7/8	≥2	≥1 7/8	≥1 4/8	≥1	≥3/4	≥3/8	≥1/2	≥5/16	≥1/4	≥0
NO CEILING	19.2	28.8	31.7	35.3	37.3	39.7	42.0	42.7	42.7	43.4	43.5	43.5	43.6	43.7	43.8	43.9
≥ 20000	21.9	33.9	37.5	41.4	43.9	46.8	49.5	50.6	50.6	51.3	51.5	51.5	51.6	51.6	51.8	51.9
≥ 18000	21.9	34.0	37.6	41.6	44.1	47.0	49.7	50.8	50.8	51.5	51.7	51.7	51.8	51.8	52.0	52.1
≥ 16000	21.9	34.0	37.6	41.6	44.1	47.0	49.7	50.8	50.8	51.5	51.7	51.7	51.8	51.8	52.0	52.1
≥ 14000	22.1	34.3	37.9	41.9	44.4	47.4	50.2	51.2	51.2	51.9	52.1	52.1	52.2	52.2	52.4	52.5
≥ 12000	22.9	35.7	39.6	43.7	46.3	49.3	52.0	53.2	53.2	53.9	54.1	54.1	54.3	54.3	54.4	54.6
≥ 10000	24.1	38.5	42.7	47.1	50.1	53.4	56.3	57.6	57.6	58.3	58.5	58.5	58.7	58.7	58.8	59.0
≥ 9000	24.1	38.8	43.1	47.4	50.4	53.7	56.7	57.9	57.9	58.7	58.9	58.9	59.0	59.1	59.2	59.4
≥ 8000	24.6	39.8	44.2	48.8	51.9	55.3	58.4	59.7	59.7	60.5	60.6	60.6	60.8	60.8	61.0	61.1
≥ 7000	25.0	40.4	44.8	49.7	52.8	56.3	59.4	60.7	60.7	61.5	61.7	61.7	61.9	61.9	62.1	62.2
≥ 6000	25.2	40.7	45.3	50.2	53.4	57.0	60.2	61.6	61.6	62.5	62.7	62.7	62.8	62.8	63.0	63.1
≥ 5000	25.9	42.3	47.1	52.4	55.8	59.7	63.1	64.6	64.6	65.5	65.7	65.7	65.8	65.8	66.0	66.1
≥ 4500	26.7	43.5	48.6	54.0	57.5	61.6	65.1	66.6	66.7	67.5	67.7	67.7	67.9	67.9	68.1	68.2
≥ 4000	28.2	46.0	51.4	57.1	61.1	65.4	69.1	70.8	70.8	71.7	71.9	71.9	72.0	72.1	72.2	72.4
≥ 3500	29.1	47.5	53.1	59.1	63.2	67.8	71.7	73.4	73.5	74.4	74.6	74.6	74.7	74.7	74.9	75.0
≥ 3000	29.8	49.2	55.3	61.6	65.9	70.7	74.8	76.7	76.7	77.6	77.8	77.8	78.0	78.0	78.2	78.4
≥ 2500	30.6	51.0	57.6	64.3	69.1	74.4	78.7	80.6	80.7	81.6	81.8	81.8	82.0	82.0	82.2	82.3
≥ 2000	31.1	52.2	59.1	66.1	71.2	76.8	81.2	83.3	83.3	84.2	84.5	84.5	84.7	84.7	84.9	85.0
≥ 1800	31.2	52.6	59.7	66.9	72.0	77.8	82.2	84.4	84.5	85.4	85.6	85.6	85.8	85.8	86.0	86.1
≥ 1500	31.4	53.3	60.5	67.8	73.2	79.1	83.7	86.0	86.1	87.0	87.3	87.3	87.5	87.5	87.7	87.8
≥ 1200	31.6	53.9	61.2	68.9	74.4	80.5	85.2	87.7	87.8	88.8	89.1	89.1	89.2	89.3	89.5	89.6
≥ 1000	31.7	54.2	61.6	69.5	75.0	81.3	86.2	88.8	88.9	90.0	90.3	90.3	90.4	90.5	90.7	90.8
≥ 900	31.8	54.4	61.9	69.7	75.3	81.7	86.6	89.4	89.5	90.6	90.9	90.9	91.1	91.1	91.3	91.5
≥ 800	31.8	54.5	62.1	70.0	75.6	82.1	87.2	90.0	90.0	91.3	91.6	91.6	91.8	91.8	92.1	92.2
≥ 700	31.9	54.7	62.2	70.3	76.0	82.7	87.9	90.8	90.9	92.1	92.5	92.5	92.7	92.7	93.0	93.1
≥ 600	31.9	54.9	62.6	70.7	76.5	83.2	88.6	91.6	91.7	93.0	93.4	93.4	93.6	93.6	93.9	94.0
≥ 500	31.9	55.0	62.8	71.0	76.8	83.7	89.4	92.7	92.8	94.2	94.6	94.6	94.9	94.9	95.1	95.3
≥ 400	31.9	55.1	63.1	71.4	77.2	84.2	90.2	93.8	93.9	95.5	96.0	96.0	96.2	96.3	96.5	96.6
≥ 300	31.9	55.1	63.0	71.5	77.4	84.4	90.6	94.5	94.6	96.4	96.9	96.9	97.2	97.2	97.5	97.6
≥ 200	31.9	55.1	63.0	71.5	77.4	84.4	90.8	94.8	94.9	96.9	97.6	97.6	98.0	98.1	98.4	98.5
≥ 100	31.9	55.1	63.0	71.5	77.4	84.5	90.9	94.9	95.0	97.2	98.0	98.0	98.4	98.5	98.8	99.2
≥ 0	31.9	55.1	63.0	71.5	77.4	84.5	90.9	94.9	95.1	97.2	98.0	98.0	98.5	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6322

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

GLOBAL CLIMATOLOGY BRANCH
USAETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	32.3	44.4	46.5	48.6	49.8	50.9	52.3	52.3	52.3	52.3	52.4	52.4	52.7	52.7	52.7	52.8
≥ 20000	33.7	46.4	49.5	51.9	53.4	54.4	55.9	55.9	55.9	55.9	56.0	56.0	56.3	56.3	56.3	56.4
≥ 18000	34.1	46.6	49.8	52.2	53.6	54.7	56.	56.1	56.1	56.1	56.3	56.3	56.5	56.5	56.5	56.7
≥ 16000	34.1	46.6	49.8	52.2	53.6	54.7	56.1	56.1	56.1	56.1	56.3	56.3	56.5	56.5	56.5	56.7
≥ 14000	34.3	46.9	50.1	52.4	53.9	54.9	56.4	56.4	56.4	56.4	56.5	56.5	56.8	56.8	56.8	56.9
≥ 12000	35.2	47.6	51.	53.4	54.8	55.9	57.3	57.3	57.3	57.3	57.4	57.4	57.7	57.7	57.7	57.8
≥ 10000	37.2	51.5	54.5	57.4	58.9	59.9	61.4	61.4	61.4	61.4	61.5	61.5	61.8	61.8	61.8	61.9
≥ 9000	38.7	52.0	55.3	58.0	59.4	60.5	61.9	61.9	61.9	61.9	62.1	62.1	62.3	62.3	62.3	62.5
≥ 8000	39.5	54.3	57.6	60.2	61.8	62.8	64.3	64.3	64.3	64.3	64.4	64.4	64.7	64.7	64.7	64.8
≥ 7000	40.1	55.7	59.0	61.9	63.5	64.6	66.0	66.0	66.0	66.0	66.1	66.1	66.4	66.4	66.4	66.5
≥ 6000	40.1	55.7	59.0	61.9	63.6	64.7	66.1	66.1	66.1	66.1	66.3	66.3	66.5	66.5	66.5	66.7
≥ 5000	40.7	57.6	61.3	64.6	66.3	67.3	68.9	68.9	68.9	68.9	69.0	69.0	69.3	69.3	69.3	69.4
≥ 4500	41.4	59.4	63.6	67.2	68.9	70.0	71.5	71.5	71.5	71.5	71.7	71.7	71.9	71.9	71.9	72.1
≥ 4000	44.4	63.5	67.7	71.5	73.3	74.3	76.0	76.0	76.0	76.0	76.2	76.2	76.4	76.4	76.4	76.5
≥ 3500	45.1	65.9	70.1	74.2	76.3	77.5	79.2	79.2	79.2	79.2	79.3	79.3	79.6	79.6	79.6	79.7
≥ 3000	46.4	66.9	72.2	76.3	78.4	79.6	81.3	81.3	81.3	81.3	81.4	81.4	81.7	81.7	81.7	81.8
≥ 2500	46.9	67.9	73.4	77.5	79.8	81.0	82.7	82.7	82.7	82.9	83.0	83.0	83.3	83.3	83.3	83.4
≥ 2000	47.0	68.4	74.0	78.7	81.0	82.3	84.2	84.6	84.6	84.8	85.0	85.0	85.2	85.2	85.2	85.4
≥ 1800	47.2	68.8	74.4	79.2	81.6	82.9	84.7	85.2	85.2	85.5	85.6	85.6	85.9	85.9	85.9	86.0
≥ 1500	47.8	69.4	75.1	80.1	82.5	83.8	85.6	86.2	86.2	86.6	86.7	86.7	87.0	87.0	87.0	87.1
≥ 1200	47.8	70.1	75.9	81.4	84.1	85.4	87.4	88.0	88.0	88.4	88.5	88.5	88.8	88.8	88.8	88.9
≥ 1000	48.1	70.8	76.5	82.1	84.7	86.2	88.1	88.8	88.8	89.2	89.3	89.3	89.6	89.6	89.6	89.7
≥ 900	48.5	71.4	77.2	82.7	85.4	86.8	88.8	89.5	89.5	90.0	90.1	90.1	90.4	90.4	90.4	90.5
≥ 800	48.5	71.9	77.9	83.5	86.2	87.6	89.6	90.3	90.3	90.8	90.9	90.9	91.2	91.2	91.2	91.3
≥ 700	48.5	72.1	78.	83.7	86.3	87.7	89.7	90.4	90.4	90.9	91.0	91.0	91.3	91.3	91.3	91.4
≥ 600	48.5	72.2	78.5	84.3	87.1	88.5	90.6	91.3	91.3	92.0	92.1	92.1	92.4	92.4	92.4	92.5
≥ 500	48.5	73.0	79.3	85.5	88.3	90.1	92.2	92.9	92.9	93.5	93.7	93.7	94.3	94.3	94.3	94.5
≥ 400	48.5	73.0	79.6	85.9	88.9	90.9	93.0	93.7	93.7	94.6	94.7	94.7	95.4	95.4	95.4	95.5
≥ 300	48.5	73.1	80.0	87.0	90.5	92.6	95.3	96.2	96.2	97.2	97.4	97.4	98.2	98.2	98.2	98.4
≥ 200	48.5	73.1	80.0	87.0	90.5	92.6	95.3	96.2	96.2	97.4	97.5	97.5	98.4	98.4	98.7	98.9
≥ 100	48.5	73.1	80.0	87.0	90.5	92.6	95.3	96.2	96.2	97.4	97.5	97.5	98.4	98.7	98.9	99.2
≥ 0	48.5	73.1	80.0	87.0	90.5	92.6	95.3	96.2	96.2	97.4	97.5	97.5	98.6	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 759

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

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

CEILING VERSUS VISIBILITY

... | YOUNGSTOWN MAP OH (STATION NAME) | 73-81 (YEARS) | SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	24.7	35.3	38.4	41.5	44.3	45.2	47.3	47.7	47.7	47.7	47.8	47.8	48.4	48.4	48.6	49.0
≥ 20000	25.3	37.6	41.1	44.7	47.7	48.6	50.9	51.2	51.2	51.4	51.5	51.5	52.0	52.0	52.3	52.7
≥ 18000	26.4	37.7	41.3	44.8	47.8	48.8	51.0	51.4	51.4	51.5	51.6	51.6	52.2	52.2	52.4	52.8
≥ 16000	26.4	37.7	41.3	44.8	47.8	48.8	51.0	51.4	51.4	51.5	51.6	51.6	52.2	52.2	52.4	52.8
≥ 14000	26.5	37.8	41.4	44.9	48.0	48.9	51.1	51.5	51.5	51.6	51.8	51.8	52.3	52.3	52.6	53.0
≥ 12000	26.4	38.1	41.7	45.2	48.2	49.1	51.4	51.8	51.8	51.9	52.0	52.0	52.6	52.6	52.8	53.2
≥ 10000	29.7	42.4	46.5	50.1	53.4	54.3	56.5	56.9	56.9	57.0	57.2	57.2	57.7	57.7	58.0	58.3
≥ 9000	30.0	42.8	47.0	50.6	53.9	54.8	57.0	57.4	57.4	57.6	57.7	57.7	58.2	58.2	58.5	58.9
≥ 8000	30.9	44.5	49.1	52.7	56.1	57.0	59.3	59.7	59.7	59.8	59.9	59.9	60.4	60.4	60.7	61.1
≥ 7000	31.3	45.3	49.9	53.5	56.9	58.0	60.2	60.6	60.6	60.7	60.8	60.8	61.4	61.4	61.6	62.0
≥ 6000	31.9	46.1	50.7	54.3	57.7	58.7	61.0	61.4	61.4	61.5	61.6	61.6	62.2	62.2	62.4	62.8
≥ 5000	33.9	48.8	53.6	57.4	61.0	62.0	64.3	64.9	64.9	65.0	65.2	65.2	65.7	65.7	66.0	66.4
≥ 4500	34.8	51.2	55.3	59.3	62.9	64.0	66.4	67.0	67.0	67.1	67.3	67.3	67.8	67.8	68.1	68.5
≥ 4000	35.7	52.7	57.8	61.9	65.7	66.9	69.4	70.0	70.0	70.2	70.3	70.3	70.8	70.8	71.1	71.5
≥ 3500	36.8	54.8	60.4	64.5	68.7	69.9	72.4	73.3	73.3	73.5	73.6	73.6	74.1	74.1	74.4	74.8
≥ 3000	38.1	57.7	63.6	67.7	72.0	73.2	75.7	76.6	76.6	76.9	77.0	77.0	77.5	77.5	77.8	78.2
≥ 2500	38.9	59.8	66.0	70.4	75.2	76.3	78.8	79.8	79.8	80.0	80.2	80.2	80.7	80.7	80.9	81.3
≥ 2000	39.4	60.7	67.3	71.9	76.7	77.9	80.6	81.6	81.6	81.9	82.0	82.0	82.5	82.5	82.8	83.2
≥ 1800	39.6	61.0	67.5	72.1	77.0	78.2	80.8	81.9	81.9	82.1	82.3	82.3	82.8	82.8	83.0	83.4
≥ 1500	39.6	61.5	68.1	72.9	77.8	79.0	81.6	82.7	82.7	82.9	83.0	83.0	83.6	83.6	83.8	84.2
≥ 1200	39.9	62.4	69.3	74.4	79.4	80.8	83.4	84.8	84.8	85.0	85.2	85.2	85.7	85.7	85.9	86.3
≥ 1000	40.1	63.6	71.7	75.8	81.1	82.8	85.4	86.7	86.7	87.0	87.1	87.1	87.6	87.6	87.9	88.3
≥ 900	40.5	64.1	71.2	76.3	81.6	83.3	86.1	87.4	87.4	87.6	87.8	87.8	88.3	88.3	88.6	89.0
≥ 800	41.5	64.3	71.5	76.6	81.9	83.6	86.3	87.8	87.8	88.4	88.6	88.6	89.1	89.1	89.4	89.8
≥ 700	40.6	64.5	71.9	77.4	82.9	84.6	87.8	89.2	89.2	89.9	90.0	90.0	90.5	90.5	90.8	91.2
≥ 600	40.6	64.5	72.1	77.8	83.3	85.2	88.4	89.9	89.9	90.5	90.7	90.7	91.2	91.2	91.5	91.9
≥ 500	40.6	64.8	72.7	79.1	85.3	87.1	90.5	92.2	92.2	92.9	93.0	93.0	93.6	93.6	93.8	94.2
≥ 400	40.6	64.8	72.7	79.1	85.5	87.9	91.7	93.6	93.6	94.3	94.5	94.6	95.1	95.1	95.5	95.9
≥ 300	40.6	64.8	72.8	79.2	85.7	88.4	92.9	94.7	94.7	95.5	95.7	95.8	96.3	96.3	96.7	97.1
≥ 200	40.6	64.8	72.8	79.4	85.9	88.7	93.3	95.4	95.4	96.3	96.5	96.6	97.2	97.2	97.8	98.2
≥ 100	40.6	64.8	72.8	79.4	85.9	88.7	93.3	95.5	95.5	96.6	97.0	97.1	97.9	97.9	98.4	98.8
≥ 0	40.6	64.8	72.8	79.4	85.9	88.7	93.3	95.5	95.5	96.6	97.0	97.1	97.9	97.9	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 761

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

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

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
...	YOUNGSTOWN MAP OH	73-81	SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0602 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	18.9	25.2	28.2	30.9	32.5	34.8	39.3	40.6	40.6	41.7	42.6	42.6	42.9	43.1	43.2	43.3
≥ 20000	20.2	27.7	31.7	34.0	35.9	38.2	43.2	44.8	44.8	46.0	46.9	46.9	47.2	47.4	47.5	47.6
≥ 18000	20.2	27.7	31.7	34.0	35.9	38.2	43.2	45.0	45.0	46.1	47.0	47.0	47.4	47.5	47.6	47.7
≥ 16000	20.2	27.7	31.7	34.0	35.9	38.2	43.2	45.0	45.0	46.1	47.0	47.0	47.4	47.5	47.6	47.7
≥ 14000	20.5	28.2	31.5	34.6	36.6	39.3	44.1	45.8	45.8	47.0	47.9	47.9	48.2	48.4	48.5	48.6
≥ 12000	20.6	28.5	31.7	35.0	37.0	39.4	44.5	46.3	46.3	47.5	48.4	48.4	48.7	48.9	49.0	49.1
≥ 10000	22.2	31.7	35.4	38.9	41.1	43.6	49.0	51.0	51.0	52.1	53.0	53.0	53.4	53.5	53.7	53.8
≥ 9000	23.3	32.4	36.0	39.5	41.8	44.3	49.7	51.8	51.8	52.9	53.8	53.8	54.2	54.3	54.4	54.5
≥ 8000	23.9	34.6	38.8	42.6	45.2	47.9	53.5	55.5	55.5	56.7	57.6	57.6	57.9	58.1	58.2	58.3
≥ 7000	24.3	35.3	39.3	43.1	45.8	48.5	54.3	56.3	56.3	57.4	58.3	58.3	58.7	58.8	58.9	59.1
≥ 6000	24.8	35.9	39.9	43.7	46.5	49.2	55.0	57.2	57.2	58.3	59.2	59.2	59.6	59.7	59.8	59.9
≥ 5000	26.1	37.7	41.7	45.7	48.5	51.4	57.4	59.6	59.6	60.8	61.8	61.8	62.2	62.3	62.5	62.6
≥ 4500	26.8	38.7	42.8	46.9	49.7	52.8	58.8	61.1	61.1	62.3	63.4	63.4	63.9	64.0	64.1	64.2
≥ 4000	27.8	39.9	44.5	48.5	51.9	55.1	61.2	63.6	63.6	64.9	65.9	65.9	66.5	66.6	66.8	66.9
≥ 3500	28.5	41.9	45.6	49.7	53.3	56.5	62.7	65.2	65.4	66.8	67.9	67.9	68.5	69.6	68.8	68.9
≥ 3000	29.5	42.8	47.7	52.0	55.7	58.9	65.4	68.0	68.1	69.8	71.0	71.0	71.7	71.8	71.9	72.0
≥ 2500	29.7	43.5	48.5	53.1	56.9	60.5	67.5	70.2	70.3	72.0	73.3	73.3	73.9	74.1	74.2	74.3
≥ 2000	30.7	45.7	51.0	55.9	59.7	63.6	70.9	73.6	73.7	75.6	76.8	76.8	77.5	77.6	77.7	77.8
≥ 1800	31.0	46.2	51.5	56.5	60.3	64.2	71.5	74.2	74.3	76.2	77.5	77.5	78.1	78.2	78.3	78.5
≥ 1500	31.2	46.5	51.9	57.1	60.8	64.7	72.3	74.9	75.1	77.0	78.2	78.2	78.8	79.0	79.1	79.2
≥ 1200	32.2	47.7	53.1	58.3	62.2	66.2	74.1	76.7	76.8	78.7	80.0	80.0	80.6	80.7	80.9	81.0
≥ 1000	32.2	48.2	53.7	59.1	63.5	67.6	75.4	78.2	78.5	80.4	81.6	81.6	82.2	82.4	82.5	82.6
≥ 900	32.4	48.4	53.9	59.3	63.7	67.9	75.9	78.8	79.1	81.1	82.4	82.4	83.0	83.1	83.2	83.4
≥ 800	32.4	48.7	54.4	59.8	64.2	68.6	77.0	80.1	80.4	82.4	83.6	83.6	84.3	84.4	84.5	84.6
≥ 700	32.5	49.1	54.8	60.3	64.9	69.4	77.7	80.9	81.1	83.2	84.5	84.5	85.1	85.3	85.4	85.5
≥ 600	32.5	49.4	55.3	61.1	65.6	70.4	78.7	81.9	82.1	84.3	85.5	85.5	86.1	86.3	86.4	86.5
≥ 500	32.5	49.5	55.7	61.5	66.5	71.4	80.6	84.1	84.5	86.9	88.9	88.9	89.5	89.7	89.8	89.9
≥ 400	32.5	49.9	56.3	62.3	67.5	72.8	83.0	86.9	87.3	90.4	93.1	93.1	93.7	93.8	94.0	94.1
≥ 300	32.5	49.9	56.3	62.3	67.5	72.8	83.1	87.7	88.0	91.7	94.8	95.0	95.7	95.8	96.0	96.1
≥ 200	32.5	49.9	56.3	62.3	67.5	72.8	83.2	88.0	88.4	92.1	95.6	95.7	96.7	96.9	97.4	97.5
≥ 100	32.5	50.0	56.4	62.5	67.6	72.9	83.4	88.2	88.5	92.4	96.1	96.2	97.2	97.4	98.1	98.5
≥ 0	32.5	50.0	56.4	62.5	67.6	72.9	83.4	88.2	88.5	92.4	96.1	96.2	97.2	97.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 794

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

...L CLIMATOLOGY BRANCH
...FETAC
... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

... 2... | YOUNGSTOWN MAP OH (STATION NAME) | 73-81 (YEARS) | SEP (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-1100 (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	18.9	27.2	29.3	31.2	33.6	36.5	37.7	37.8	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 20000	32.2	32.1	34.8	36.9	39.3	42.8	44.3	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 18000	32.2	32.1	34.8	36.9	39.5	42.9	44.4	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 16000	32.2	32.1	34.8	36.9	39.5	42.9	44.4	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 14000	22.8	32.6	35.3	37.7	40.4	43.8	45.3	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7
≥ 12000	23.2	33.5	36.2	38.7	41.4	44.8	46.3	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 10000	25.5	37.7	40.6	43.3	46.3	49.9	51.5	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 9000	25.8	38.1	41.0	43.7	46.7	50.3	51.9	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 8000	27.0	39.6	43.3	45.9	49.5	53.4	55.1	55.3	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 7000	27.3	39.8	43.5	46.2	49.7	53.9	55.6	55.8	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 6000	27.2	40.0	43.7	46.3	50.0	54.2	56.0	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 5000	27.7	40.7	44.5	47.3	51.0	55.2	57.0	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 4500	28.8	42.3	46.2	49.1	52.7	56.9	58.6	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 4000	29.7	43.7	47.6	50.5	54.6	59.3	61.0	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 3500	30.3	44.3	48.2	51.1	55.2	60.0	61.8	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 3000	32.4	47.2	51.3	54.3	58.5	63.3	65.2	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 2500	35.8	51.3	55.7	58.8	63.2	68.4	70.7	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 2000	38.7	55.7	60.3	63.3	68.0	73.4	75.8	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 1800	39.7	56.9	61.4	64.5	69.2	74.5	77.0	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 1500	41.6	58.8	63.8	66.9	71.6	77.0	79.8	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 1200	41.6	61.2	66.6	70.1	75.0	80.8	83.8	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1000	41.9	61.9	67.6	71.2	76.8	82.7	85.7	86.5	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 900	42.1	62.2	69..	71.7	77.4	83.4	86.4	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 800	42.4	62.7	68.9	72.6	78.3	84.3	87.4	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 700	42.4	63.2	69.4	73.2	79.3	85.5	88.7	89.7	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 600	42.4	63.5	69.8	73.6	79.7	86.3	89.8	91.1	91.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 500	42.4	63.6	69.9	73.7	80.2	87.2	91.5	93.1	93.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 400	42.4	63.7	70.3	74.1	80.6	87.6	92.3	94.7	94.8	96.3	96.4	96.4	96.4	96.4	96.4	96.4
≥ 300	42.4	63.7	70.3	74.1	80.7	87.8	93.1	95.7	95.8	97.7	98.1	98.1	98.2	98.2	98.2	98.2
≥ 200	42.4	63.7	70.3	74.1	80.7	87.9	93.3	95.9	96.1	98.3	98.6	98.6	98.7	98.7	98.9	98.9
≥ 100	42.4	63.7	70.3	74.1	80.7	87.9	93.3	96.2	96.3	98.4	99.1	99.1	99.2	99.2	99.5	99.7
≥ 0	42.4	63.7	70.3	74.1	80.7	87.9	93.3	96.2	96.3	98.4	99.1	99.1	99.2	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 786

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

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

CEILING VERSUS VISIBILITY

...E | YOUNGSTOWN 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	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	32.3	27.4	30.3	31.2	31.8	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥ 20000	28.3	36.5	38.7	39.7	41.6	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 18000	28.9	36.7	39.1	41.0	41.9	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 16000	28.9	36.7	39.1	40.0	40.9	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 14000	29.0	37.6	39.8	41.9	41.7	42.9	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 12000	29.7	38.3	40.2	41.6	42.6	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 10000	31.3	41.0	43.6	45.1	46.1	47.2	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 9000	31.3	41.2	43.9	45.4	46.4	47.5	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 8000	33.1	43.2	46.0	47.7	49.7	50.3	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 7000	33.6	43.7	46.5	48.2	49.2	50.9	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 6000	33.7	44.0	46.7	48.5	49.5	51.1	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 5000	35.1	45.5	48.2	50.0	51.1	52.9	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 4500	37.3	48.5	51.4	53.3	54.4	56.3	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 4000	41.3	52.4	55.4	57.4	58.8	60.8	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 3500	44.1	56.4	59.4	61.5	63.0	65.0	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3000	47.6	61.4	64.8	67.2	68.8	71.3	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 2500	50.4	66.4	71.3	72.9	74.7	77.6	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 2000	52.7	70.2	74.8	77.7	79.9	83.0	84.1	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1800	53.4	71.8	76.9	80.2	82.6	85.6	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1500	53.6	72.6	78.3	81.8	84.2	87.3	88.5	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1200	53.7	72.9	79.4	83.3	85.7	88.8	90.7	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 1000	53.7	73.2	79.8	84.2	86.8	90.2	92.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 900	54.0	73.4	80.1	84.5	87.3	90.9	92.7	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 800	54.4	73.8	80.5	85.0	87.8	91.5	93.5	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 700	54.7	74.3	81.1	85.5	88.8	92.9	95.1	95.7	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9
≥ 600	54.7	74.3	81.1	85.6	89.1	93.1	95.7	96.6	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9
≥ 500	54.7	74.7	81.6	86.1	89.6	93.6	96.7	97.6	97.6	97.9	98.0	98.0	98.0	98.0	98.0	98.0
≥ 400	54.7	74.8	81.7	86.3	89.8	93.9	96.8	98.9	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	54.7	74.8	81.8	86.6	90.2	94.2	98.5	99.4	99.4	99.7	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	54.7	74.8	81.8	86.6	90.2	94.2	98.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	54.7	74.8	81.8	86.6	90.2	94.2	98.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	54.7	74.8	81.8	86.6	90.2	94.2	98.5	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 798

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

CEILING VERSUS VISIBILITY

... | YOUNGSTOWN MAP OH | 73-81 | SEP
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	≥1¾	≥1½	≥1	≥¾	≥½	≥	≥5/16	≥0
NO CEILING	30.3	35.5	37.2	37.4	39.3	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 20000	35.9	43.7	46.1	46.8	48.0	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 18000	35.9	43.9	46.3	47.5	48.6	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 16000	36.0	44.1	46.5	47.6	48.7	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 14000	37.1	45.2	47.6	48.7	49.9	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 12000	38.1	47.0	49.5	50.8	51.9	52.1	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 10000	40.7	50.8	53.3	54.5	55.8	56.1	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 9000	41.0	51.1	53.6	55.2	56.4	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000	42.2	52.7	55.4	56.7	58.1	59.0	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 7000	42.7	53.7	56.6	57.8	59.2	60.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 6000	43.3	54.7	57.6	58.8	60.4	61.2	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 5000	45.3	56.9	60.0	61.2	62.9	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 4500	47.5	59.7	62.9	63.9	65.8	66.8	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 4000	48.1	60.1	66.0	67.6	69.4	70.7	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3500	62.3	67.0	71.5	73.7	76.0	77.4	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 3000	64.7	69.9	74.7	77.3	79.5	81.4	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 2500	56.1	72.6	77.8	81.1	83.5	85.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2000	57.6	74.9	80.4	84.6	87.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1800	57.5	75.5	81.2	85.4	88.6	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 1500	58.3	76.4	82.2	86.4	90.2	92.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200	58.7	77.1	83.0	87.2	91.2	93.8	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1000	58.7	77.3	83.1	87.4	91.3	94.1	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 900	59.1	77.7	83.5	87.8	91.7	94.4	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800	59.1	77.8	83.6	88.0	91.9	94.8	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 700	59.1	77.9	83.7	88.3	92.2	95.2	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	59.1	78.0	83.8	88.4	92.4	95.7	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	59.2	78.2	84.1	88.5	92.6	96.0	97.9	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	59.2	78.2	84.1	88.5	92.6	96.1	98.1	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	59.2	78.2	84.2	88.5	92.6	96.3	98.1	99.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9
≥ 200	59.2	78.2	84.2	88.5	92.6	96.3	98.1	99.2	99.4	99.7	99.9	99.9	99.9	99.9	99.9
≥ 100	59.2	78.2	84.2	88.5	92.6	96.0	98.1	99.2	99.4	99.7	99.9	99.9	99.9	99.9	100.0
≥ 0	59.2	78.2	84.2	88.5	92.6	96.3	98.1	99.2	99.4	99.7	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 792

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

...AL CLIMATOLOGY BRANCH
...TAC
...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2 (STATION) YOUNGSTOWN 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	≥⅜	≥5/16	≥¼	0
NO CEILING	42.2	44.4	46.6	48.0	48.4	49.5	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	42.2	44.9	52.6	54.5	55.1	56.5	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000	42.6	51.4	53.3	55.3	55.6	57.0	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 16000	42.6	51.4	53.3	55.3	55.6	57.0	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 14000	43.2	51.1	54.	55.8	56.4	57.8	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 12000	44.4	52.5	55.3	57.9	58.5	59.9	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 10000	46.5	55.3	58.1	60.8	61.4	62.9	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000	47.4	56.1	59.6	61.7	62.3	63.8	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 8000	48.3	57.6	61.2	63.2	63.8	65.5	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	48.9	58.9	62.4	64.5	65.2	67.0	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 6000	49.3	59.9	63.4	65.5	66.2	68.3	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	51.8	64.4	68.	70.2	70.8	73.1	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 4500	52.8	66.3	70.2	72.3	73.3	75.6	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4000	54.4	68.5	72.9	75.3	76.4	78.9	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 3500	55.9	71.6	75.1	77.8	79.3	82.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3000	57.9	73.3	78.2	81.3	82.6	86.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	58.6	75.4	80.5	83.3	85.0	88.7	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 2000	59.0	76.1	81.5	85.2	87.0	91.7	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1800	59.4	76.6	82.1	85.8	87.7	91.5	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1500	59.8	77.1	83.0	86.6	88.7	92.9	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1200	59.9	77.3	83.3	87.3	89.2	93.9	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1000	59.9	77.3	83.5	87.5	89.3	94.1	95.6	96.1	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.4
≥ 900	59.9	77.3	83.6	87.5	89.3	94.1	95.7	96.2	96.2	96.4	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800	59.9	77.4	83.6	87.6	89.5	94.4	96.0	96.6	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0
≥ 700	59.9	77.8	84.1	88.1	90.0	95.2	96.9	97.7	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	59.9	77.9	84.2	88.3	90.2	95.5	97.1	98.0	98.0	98.2	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	59.9	77.9	84.2	88.3	90.2	95.5	97.2	98.1	98.1	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 400	59.9	77.9	84.2	88.3	90.2	95.7	97.5	98.6	98.6	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	59.9	77.9	84.2	88.3	90.2	95.9	97.6	98.9	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	59.9	77.9	84.2	88.5	90.4	96.0	97.7	99.0	99.0	99.4	99.6	99.6	99.7	99.7	99.7	99.7
≥ 100	59.9	77.9	84.2	88.5	90.4	96.0	97.7	99.0	99.0	99.4	99.6	99.6	99.7	99.7	99.7	99.7
≥ 0	59.9	77.9	84.2	88.5	90.4	96.0	97.7	99.0	99.0	99.4	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 793

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

AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]	YOUNGSTOWN MAP OH	73-81	SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/16	≥0	≥0
NO CEILING	35.7	44.9	46.4	48.8	49.2	49.5	50.1	50.1	50.1	50.4	50.6	50.6	50.6	50.8	50.8
≥ 20000	37.7	47.9	51.4	52.5	53.2	53.9	54.8	54.8	54.8	55.1	55.3	55.3	55.3	55.5	55.5
≥ 18000	37.7	48.1	51.5	52.6	53.4	54.0	54.9	54.9	54.9	55.2	55.5	55.5	55.5	55.6	55.6
≥ 16000	37.7	48.1	51.5	52.6	53.4	54.0	54.9	54.9	54.9	55.2	55.5	55.5	55.5	55.6	55.6
≥ 14000	37.9	48.3	51.8	52.9	53.6	54.3	55.2	55.2	55.2	55.5	55.7	55.7	55.7	55.8	55.8
≥ 12000	38.4	50.0	52.5	54.5	55.3	56.1	57.0	57.0	57.0	57.3	57.5	57.5	57.5	57.7	57.7
≥ 10000	41.7	53.0	55.5	57.9	58.7	59.9	60.8	60.8	60.8	61.0	61.3	61.3	61.3	61.4	61.4
≥ 9000	42.9	54.3	57.1	59.2	60.0	61.2	62.1	62.1	62.1	62.3	62.6	62.6	62.6	62.7	62.7
≥ 8000	44.5	57.3	60.1	62.3	63.1	64.3	65.2	65.2	65.2	65.5	65.7	65.7	65.7	65.8	65.8
≥ 7000	45.5	59.7	62.9	65.1	65.8	67.0	67.9	67.9	67.9	68.2	68.4	68.4	68.4	68.6	68.6
≥ 6000	45.7	61.6	63.8	66.1	66.9	68.1	69.0	69.0	69.0	69.2	69.5	69.5	69.5	69.6	69.6
≥ 5000	46.5	63.5	67.1	69.5	70.3	71.6	72.5	72.5	72.5	72.7	73.0	73.0	73.0	73.1	73.1
≥ 4500	48.2	65.7	69.9	72.3	73.1	74.4	75.3	75.3	75.3	75.6	75.8	75.8	75.8	76.0	76.0
≥ 4000	48.5	68.7	73.1	76.0	77.0	78.3	79.2	79.2	79.2	79.5	79.7	79.7	79.7	79.9	79.9
≥ 3500	51.3	71.9	75.3	78.2	79.5	80.8	81.7	81.7	81.7	81.9	82.2	82.2	82.2	82.3	82.3
≥ 3000	53.0	73.6	78.2	81.6	83.2	84.7	85.6	85.6	85.6	85.8	86.1	86.1	86.1	86.2	86.2
≥ 2500	53.2	75.3	81.1	83.8	85.5	87.1	88.1	88.1	88.1	88.4	88.7	88.7	88.7	88.8	88.8
≥ 2000	53.9	76.4	81.6	85.8	87.8	89.5	90.5	90.5	90.5	90.9	91.2	91.2	91.2	91.3	91.3
≥ 1800	54.3	77.0	82.3	86.6	88.6	90.3	91.3	91.3	91.3	91.7	91.9	91.9	91.9	92.1	92.1
≥ 1500	54.5	77.4	82.9	87.1	89.1	90.9	91.9	91.9	91.9	92.3	92.6	92.6	92.6	92.7	92.7
≥ 1200	54.5	77.5	83.2	87.5	89.5	91.3	92.5	92.6	92.6	93.0	93.2	93.2	93.2	93.4	93.4
≥ 1000	54.7	78.2	84.2	88.6	90.5	92.3	93.6	93.8	93.8	94.2	94.4	94.4	94.4	94.5	94.5
≥ 900	54.9	78.7	84.7	89.4	91.3	93.1	94.4	94.5	94.5	94.9	95.2	95.2	95.2	95.3	95.3
≥ 800	55.1	79.1	84.9	89.6	91.6	93.4	94.7	94.8	94.8	95.2	95.5	95.5	95.5	95.6	95.6
≥ 700	55.1	79.1	85.1	89.9	91.8	93.8	95.1	95.2	95.2	95.6	95.8	95.8	95.8	96.0	96.0
≥ 600	55.2	79.7	85.7	90.6	92.6	94.8	96.1	96.2	96.2	96.6	96.9	96.9	96.9	97.0	97.0
≥ 500	55.2	79.9	85.8	91.0	93.0	95.6	97.3	97.4	97.4	97.9	98.2	98.2	98.2	98.3	98.3
≥ 400	55.2	79.9	85.8	91.0	93.0	95.6	97.4	97.7	97.7	98.2	98.4	98.4	98.4	98.6	98.6
≥ 300	55.2	79.9	86.1	91.4	93.4	96.0	97.8	98.1	98.1	99.0	99.4	99.4	99.4	99.5	99.5
≥ 200	55.2	79.9	86.1	91.4	93.4	96.0	97.8	98.1	98.1	99.1	99.5	99.5	99.5	99.6	99.6
≥ 100	55.2	79.9	86.1	91.4	93.4	96.0	97.8	98.1	98.1	99.1	99.5	99.5	99.5	99.6	99.6
≥ 0	55.2	79.9	86.1	91.4	93.4	96.0	97.8	98.1	98.1	99.1	99.5	99.5	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 770

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

AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: YOUNGSTOWN MAP OH (STATION NAME) | 73-31 (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	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	
NO CEILING	27.5	35.6	37.9	39.6	41.9	42.1	43.4	43.6	43.6	43.8	44.0	44.0	44.1	44.1	44.2	44.3
≥ 20000	30.9	40.2	43.0	45.1	46.6	48.0	49.5	49.8	49.8	50.0	50.2	50.2	50.4	50.4	50.4	50.5
≥ 18000	31.0	40.4	43.2	45.3	46.9	48.2	49.8	50.1	50.1	50.3	50.5	50.5	50.6	50.6	50.7	50.8
≥ 16000	31.1	40.4	43.2	45.3	46.9	48.2	49.8	50.1	50.1	50.3	50.5	50.5	50.6	50.7	50.7	50.8
≥ 14000	31.5	41.9	43.8	45.9	47.5	48.9	50.5	50.8	50.8	51.0	51.2	51.2	51.3	51.3	51.4	51.5
≥ 12000	32.2	41.9	44.6	47.1	48.7	50.1	51.7	52.0	52.0	52.3	52.4	52.4	52.6	52.6	52.7	52.7
≥ 10000	34.6	45.4	48.6	51.0	52.7	54.2	55.8	56.2	56.2	56.4	56.6	56.6	56.7	56.7	56.8	56.9
≥ 9000	35.1	46.1	49.2	51.6	53.3	54.8	56.5	56.9	56.9	57.1	57.3	57.3	57.4	57.4	57.5	57.6
≥ 8000	35.2	48.0	51.4	53.9	55.7	57.5	59.2	59.6	59.6	59.8	59.9	59.9	60.1	60.1	60.2	60.2
≥ 7000	35.7	49.0	52.5	55.0	56.9	58.7	60.4	60.8	60.8	61.0	61.2	61.2	61.3	61.3	61.4	61.5
≥ 6000	37.1	49.6	53.1	55.6	57.5	59.4	61.2	61.5	61.5	61.7	61.9	61.9	62.1	62.1	62.1	62.2
≥ 5000	38.4	51.8	55.5	58.2	60.2	62.1	63.9	64.3	64.3	64.6	64.7	64.7	64.9	64.9	65.0	65.0
≥ 4500	39.7	53.7	57.7	60.4	62.5	64.5	66.4	66.8	66.8	67.0	67.2	67.2	67.4	67.4	67.5	67.5
≥ 4000	41.6	56.4	60.6	63.5	65.8	68.0	69.9	70.3	70.3	70.6	70.8	70.8	70.9	70.9	71.0	71.1
≥ 3500	43.1	58.7	63.1	66.3	68.8	71.1	73.0	73.5	73.5	73.8	74.0	74.0	74.2	74.2	74.2	74.3
≥ 3000	45.3	61.6	66.3	69.6	72.3	74.8	76.8	77.3	77.3	77.6	77.8	77.8	78.0	78.0	78.1	78.2
≥ 2500	46.2	64.0	69.1	72.6	75.4	78.1	80.3	80.9	80.9	81.2	81.5	81.5	81.6	81.6	81.7	81.8
≥ 2000	47.3	66.1	71.3	75.4	78.5	81.3	83.6	84.3	84.3	84.6	84.9	84.9	85.0	85.1	85.1	85.2
≥ 1800	47.8	66.7	72.2	76.3	79.4	82.3	84.6	85.3	85.3	85.6	85.9	85.9	86.0	86.1	86.1	86.2
≥ 1500	48.2	67.4	73.1	77.4	80.6	83.5	85.9	86.6	86.6	87.0	87.3	87.3	87.4	87.4	87.5	87.6
≥ 1200	48.6	68.3	74.2	78.7	82.0	85.1	87.7	88.6	88.6	89.0	89.2	89.2	89.4	89.4	89.5	89.6
≥ 1000	48.7	68.8	74.9	79.5	83.0	86.3	88.9	89.8	89.9	90.3	90.5	90.5	90.7	90.7	90.8	90.8
≥ 900	48.9	69.1	75.2	79.9	83.5	86.7	89.6	90.5	90.5	90.9	91.2	91.2	91.4	91.4	91.4	91.5
≥ 800	49.0	69.4	75.6	80.3	83.9	87.3	90.1	91.1	91.2	91.7	91.9	91.9	92.1	92.1	92.2	92.2
≥ 700	49.1	69.7	76.0	80.8	84.5	88.1	91.0	92.0	92.1	92.6	92.9	92.9	93.1	93.1	93.1	93.2
≥ 600	49.2	69.9	76.3	81.2	85.0	88.7	91.8	92.9	92.9	93.5	93.8	93.8	94.0	94.0	94.0	94.1
≥ 500	49.2	70.2	76.6	81.7	85.7	89.6	93.0	94.2	94.3	95.1	95.4	95.4	95.6	95.7	95.7	95.8
≥ 400	49.2	70.3	76.8	81.9	86.0	90.0	93.9	95.4	95.4	96.4	96.9	96.9	97.1	97.1	97.2	97.3
≥ 300	49.2	70.3	76.9	82.2	86.3	90.4	94.6	96.2	96.3	97.5	98.1	98.1	98.4	98.4	98.5	98.6
≥ 200	49.2	70.3	76.9	82.2	86.4	90.5	94.6	96.4	96.5	97.7	98.4	98.4	98.8	98.8	99.0	99.1
≥ 100	49.2	70.3	76.9	82.2	86.4	90.5	94.7	96.5	96.6	97.9	98.6	98.6	99.0	99.0	99.3	99.5
≥ 0	49.2	70.3	76.9	82.2	86.4	90.5	94.7	96.5	96.6	97.9	98.6	98.6	99.1	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 6262

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

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

CEILING VERSUS VISIBILITY

STATION: YOUNGSTOWN MAP OH (STATION NAME) | 73-81 (YEARS) | OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0600 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0
NO CEILING	32.7	41.0	42.4	44.0	44.8	45.2	45.3	45.3	45.3	46.7	46.7	46.7	46.8	46.8	47.0	47.2
≥ 20000	33.3	42.1	44.5	46.1	46.9	47.3	47.4	47.4	47.4	48.7	48.7	48.7	48.8	48.8	49.1	49.2
≥ 18000	33.3	42.1	44.5	46.1	46.9	47.3	47.4	47.4	47.4	48.7	48.7	48.7	48.8	48.8	49.1	49.2
≥ 16000	33.5	42.2	44.6	46.2	47.0	47.4	47.5	47.5	47.5	48.8	48.8	48.8	49.0	49.0	49.2	49.3
≥ 14000	33.5	42.2	44.6	46.2	47.0	47.4	47.5	47.5	47.5	48.8	48.8	48.8	49.0	49.0	49.2	49.3
≥ 12000	34.1	43.2	45.6	47.2	48.0	48.4	48.5	48.5	48.5	49.8	49.8	49.8	49.9	49.9	50.2	50.3
≥ 10000	35.5	46.2	48.6	50.2	51.0	51.4	51.5	51.5	51.5	52.8	52.8	52.8	53.0	53.0	53.2	53.3
≥ 9000	35.7	47.2	49.6	51.2	52.0	52.4	52.5	52.5	52.5	53.8	53.8	53.8	53.9	53.9	54.2	54.3
≥ 8000	38.7	49.2	51.6	53.2	54.1	54.4	54.5	54.7	54.8	56.1	56.1	56.1	56.2	56.2	56.5	56.6
≥ 7000	39.2	51.0	53.7	55.3	56.2	56.6	56.7	56.8	57.1	58.4	58.4	58.4	58.5	58.5	58.8	58.9
≥ 6000	39.4	51.5	54.2	55.9	56.8	57.2	57.3	57.5	57.7	59.0	59.0	59.0	59.2	59.2	59.4	59.5
≥ 5000	41.5	54.4	57.1	58.9	59.9	60.4	60.5	60.6	60.6	62.2	62.2	62.2	62.3	62.3	62.5	62.7
≥ 4500	43.5	57.3	59.6	61.6	62.5	63.0	63.2	63.3	63.5	64.8	64.8	64.8	65.0	65.0	65.2	65.3
≥ 4000	46.5	61.6	63.3	65.5	66.4	66.9	67.0	67.2	67.4	68.7	68.7	68.7	68.8	68.8	69.1	69.2
≥ 3500	49.3	64.1	66.8	69.2	70.3	70.8	70.9	71.0	71.3	72.6	72.6	72.6	72.7	72.7	73.0	73.1
≥ 3000	51.5	67.8	70.5	73.2	74.3	74.8	74.9	75.0	75.3	76.6	76.6	76.6	76.7	76.7	77.0	77.1
≥ 2500	52.8	69.9	73.0	76.0	77.1	77.6	77.7	77.8	78.1	79.4	79.4	79.4	79.5	79.5	79.8	79.9
≥ 2000	54.4	73.2	76.2	79.5	80.6	81.1	81.2	81.3	81.6	82.9	82.9	82.9	83.0	83.0	83.3	83.4
≥ 1800	55.0	74.3	77.3	80.6	81.7	82.3	82.4	82.5	82.8	84.1	84.1	84.1	84.2	84.2	84.5	84.6
≥ 1500	55.4	75.5	78.5	81.9	83.2	83.8	83.9	84.0	84.2	85.6	85.6	85.6	85.7	85.7	85.9	86.1
≥ 1200	56.2	76.7	80.0	83.5	84.7	85.3	85.5	85.6	85.8	87.2	87.2	87.2	87.3	87.3	87.5	87.6
≥ 1000	56.4	77.3	80.7	84.5	85.7	86.3	86.5	86.8	87.0	88.4	88.4	88.4	88.5	88.5	88.7	88.8
≥ 900	56.4	77.6	81.1	84.7	86.1	86.7	86.9	87.2	87.4	88.7	88.7	88.7	88.8	88.8	89.1	89.2
≥ 800	56.4	77.7	81.1	84.8	86.3	86.9	87.4	87.6	87.9	89.3	89.3	89.3	89.5	89.5	89.7	89.8
≥ 700	56.5	77.9	81.3	85.5	87.0	87.6	88.2	88.5	88.7	90.2	90.2	90.2	90.3	90.3	90.5	90.7
≥ 600	56.5	78.3	81.9	86.3	88.1	88.8	89.7	90.1	90.3	91.9	91.9	91.9	92.0	92.0	92.2	92.4
≥ 500	56.6	79.3	83.0	87.6	89.6	90.3	91.2	91.6	91.9	93.5	93.5	93.5	93.6	93.6	93.8	93.9
≥ 400	56.6	79.4	83.6	88.5	90.9	91.9	92.8	93.3	93.6	95.2	95.2	95.2	95.3	95.3	95.5	95.6
≥ 300	56.6	79.4	83.9	89.0	91.9	93.3	94.7	95.2	95.4	97.1	97.1	97.1	97.2	97.2	97.5	97.6
≥ 200	56.6	79.4	84.0	89.3	92.4	94.2	95.5	96.2	96.5	98.3	98.5	98.5	98.8	98.8	99.0	99.2
≥ 100	56.6	79.4	84.1	89.3	92.4	94.2	95.6	96.5	96.7	98.5	98.8	98.8	99.0	99.0	99.3	99.4
≥ 0	56.6	79.4	84.1	89.3	92.4	94.2	95.6	96.5	96.7	98.5	98.8	98.8	99.0	99.0	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 825

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

...HAL CLIMATOLOGY BRANCH
...ETAC
...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

... | YOUNGSTOWN MAP OH (STATION NAME) | 73-81 (YEARS) | OCT (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	34.1	34.7	37.7	39.8	40.6	41.3	41.9	42.1	42.1	42.5	43.0	43.0	43.5	43.5	43.5	44.2
≥ 20000	35.1	37.2	40.3	42.9	43.7	44.3	45.0	45.2	45.2	45.6	46.1	46.1	46.6	46.6	46.6	47.3
≥ 18000	35.1	37.2	40.3	42.9	43.7	44.3	45.0	45.2	45.2	45.6	46.1	46.1	46.6	46.6	46.6	47.3
≥ 16000	35.1	37.2	40.3	42.9	43.7	44.3	45.0	45.2	45.2	45.6	46.1	46.1	46.6	46.6	46.6	47.3
≥ 14000	35.1	37.2	40.3	42.9	43.7	44.3	45.0	45.2	45.2	45.6	46.1	46.1	46.6	46.6	46.6	47.3
≥ 12000	35.7	39.6	42.4	44.5	45.3	45.9	46.6	46.8	46.8	47.2	47.7	47.7	48.2	48.2	48.2	48.9
≥ 10000	39.2	41.6	45.3	47.3	48.2	48.8	49.4	49.6	49.6	50.0	50.5	50.5	51.0	51.0	51.0	51.7
≥ 9000	39.8	42.2	45.8	47.9	48.8	49.4	50.0	50.2	50.2	50.6	51.1	51.1	51.6	51.6	51.6	52.3
≥ 8000	40.5	43.1	46.4	49.3	50.1	50.7	51.4	51.6	51.6	52.0	52.5	52.5	53.0	53.0	53.0	53.7
≥ 7000	40.7	44.0	47.7	50.4	51.2	51.8	52.5	52.7	52.7	53.1	53.6	53.6	54.1	54.1	54.1	54.8
≥ 6000	41.2	45.1	48.8	51.5	52.5	53.1	53.7	53.9	54.1	54.4	54.9	54.9	55.4	55.4	55.4	56.2
≥ 5000	43.4	48.3	52.2	54.7	55.8	56.7	57.3	57.5	57.6	58.0	58.5	58.5	59.0	59.0	59.0	59.7
≥ 4500	45.3	51.3	55.9	56.7	57.8	58.6	59.2	59.5	59.6	60.0	60.5	60.5	61.0	61.0	61.0	61.7
≥ 4000	50.3	54.6	58.5	61.2	62.3	63.2	63.8	64.0	64.2	64.5	65.0	65.0	65.5	65.5	65.5	66.3
≥ 3500	42.1	59.9	63.1	66.1	67.2	68.2	68.8	69.1	69.2	69.6	70.1	70.1	70.6	70.6	70.6	71.3
≥ 3000	44.1	62.2	66.5	69.8	71.9	72.9	72.8	73.0	73.2	73.5	74.0	74.0	74.5	74.5	74.5	75.2
≥ 2500	45.3	65.3	69.6	73.2	74.3	75.4	76.1	76.4	76.5	76.8	77.3	77.3	77.8	77.9	77.8	78.6
≥ 2000	46.4	67.5	71.6	75.7	76.8	78.0	78.9	79.2	79.3	79.7	80.2	80.2	80.7	80.7	80.7	81.4
≥ 1800	46.9	68.2	72.5	76.5	77.6	78.7	79.7	79.9	80.0	80.4	80.9	80.9	81.4	81.4	81.4	82.1
≥ 1500	47.3	68.7	73.0	77.1	78.4	79.6	80.5	80.8	80.9	81.3	81.8	81.8	82.3	82.3	82.3	83.0
≥ 1200	47.8	69.6	73.9	78.2	79.6	80.7	81.7	81.9	82.0	82.4	82.9	82.9	83.4	83.4	83.4	84.1
≥ 1000	48.3	71.9	75.2	79.9	81.4	82.5	83.5	83.9	84.0	84.4	84.9	84.9	85.3	85.3	85.3	86.1
≥ 900	48.3	71.6	76.2	80.9	82.4	83.5	84.5	84.9	85.0	85.3	85.8	85.8	86.3	86.3	86.3	87.1
≥ 800	48.3	71.9	76.8	81.9	83.4	84.5	85.6	86.0	86.1	86.5	86.9	86.9	87.4	87.4	87.4	88.2
≥ 700	48.5	72.8	78.0	83.3	84.7	85.8	86.9	87.3	87.4	87.8	88.3	88.3	88.8	88.8	88.8	89.5
≥ 600	48.5	73.0	78.4	84.0	85.5	86.8	87.9	88.3	88.4	88.8	89.3	89.3	89.8	89.8	89.8	90.5
≥ 500	48.5	73.5	79.2	85.6	87.2	88.7	89.9	90.3	90.4	90.8	91.3	91.3	91.7	91.7	91.7	92.5
≥ 400	48.5	73.8	79.7	86.3	88.1	90.0	91.3	91.6	91.7	92.4	92.9	92.9	93.3	93.3	93.3	94.1
≥ 300	48.5	74.0	79.9	86.7	88.5	90.9	92.7	93.1	93.2	94.1	94.7	94.7	95.2	95.2	95.2	95.9
≥ 200	48.5	74.1	80.2	87.1	89.0	91.7	94.1	94.6	94.7	95.8	96.6	96.6	97.4	97.4	97.5	98.3
≥ 100	48.5	74.1	80.2	87.1	89.2	91.9	94.2	94.7	94.8	95.9	96.9	96.9	98.0	98.0	98.3	99.1
≥ 0	48.5	74.1	80.2	87.1	89.2	91.9	94.2	94.7	94.8	95.9	96.9	96.9	98.0	98.0	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 812

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

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

CEILING VERSUS VISIBILITY

... | YOUNGSTOWN MAP OH (STATION NAME) | 73-81 (YEARS) | OCT (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	18.4	26.6	28.8	33.0	34.7	35.9	37.1	37.7	37.7	38.0	38.5	38.5	39.3	39.3	39.7	40.1
≥ 20000	19.5	28.8	31.1	35.4	37.4	38.7	40.3	40.9	40.9	41.1	41.6	41.6	42.6	42.6	43.0	43.3
≥ 18000	19.5	28.8	31.1	35.6	37.6	39.0	40.5	41.1	41.1	41.4	41.9	41.9	42.8	42.8	43.2	43.6
≥ 16000	19.5	28.8	31.1	35.7	37.7	39.1	40.7	41.3	41.3	41.5	42.0	42.0	43.0	43.0	43.3	43.7
≥ 14000	19.9	29.1	31.4	36.0	38.1	39.4	41.0	41.6	41.6	41.9	42.4	42.4	43.3	43.3	43.7	44.1
≥ 12000	21.4	31.1	33.4	38.1	40.3	41.6	43.2	43.8	43.8	44.1	44.5	44.5	45.5	45.5	45.9	46.2
≥ 10000	23.2	33.5	36.3	41.3	43.4	44.8	46.4	47.0	47.0	47.2	47.7	47.7	48.7	48.7	49.0	49.4
≥ 9000	23.3	33.7	36.5	41.5	43.7	45.0	46.6	47.2	47.2	47.5	47.9	47.9	48.9	48.9	49.3	49.6
≥ 8000	24.4	35.2	38.0	43.1	45.3	47.0	48.7	49.3	49.3	49.5	50.0	50.0	51.0	51.0	51.3	51.7
≥ 7000	24.9	36.0	39.0	44.1	46.2	47.9	49.6	50.2	50.2	50.5	51.0	51.0	51.9	51.9	52.3	52.7
≥ 6000	25.5	37.4	40.4	45.6	47.9	49.6	51.5	52.1	52.1	52.3	52.8	52.8	53.8	53.8	54.1	54.5
≥ 5000	28.3	41.4	43.7	49.0	51.6	53.3	55.2	55.8	55.8	56.1	56.6	56.6	57.5	57.5	57.9	58.3
≥ 4500	29.9	42.1	45.5	51.0	53.5	55.5	57.4	58.1	58.1	58.4	58.9	58.9	59.8	59.8	60.2	60.6
≥ 4000	31.5	44.7	48.2	53.6	56.2	58.4	60.3	61.0	61.0	61.3	61.9	61.9	62.9	62.9	63.2	63.6
≥ 3500	34.2	47.6	51.1	56.7	59.2	61.4	63.3	64.2	64.2	64.4	65.0	65.0	66.0	66.0	66.3	66.7
≥ 3000	37.1	51.7	55.5	61.0	63.6	65.9	68.0	68.8	68.8	69.1	69.7	69.7	70.6	70.6	71.0	71.4
≥ 2500	39.6	55.0	59.7	64.3	67.1	69.5	71.8	73.1	73.1	73.5	74.2	74.2	75.1	75.1	75.5	75.8
≥ 2000	40.4	56.8	60.6	66.3	69.1	71.6	74.2	75.4	75.4	75.8	76.5	76.5	77.4	77.4	77.8	78.2
≥ 1800	40.9	58.3	62.1	67.8	70.6	73.2	75.7	77.1	77.1	77.5	78.2	78.2	79.1	79.1	79.5	79.9
≥ 1500	41.4	59.2	63.5	69.2	72.0	74.8	77.3	78.6	78.8	79.2	79.9	79.9	80.8	80.8	81.2	81.6
≥ 1200	41.7	60.2	64.4	70.6	73.4	76.3	79.1	80.6	80.7	81.2	81.8	81.8	82.8	82.8	83.1	83.5
≥ 1000	42.5	61.7	65.9	72.1	75.0	77.9	80.9	82.5	82.6	83.1	83.7	83.7	84.7	84.7	85.1	85.4
≥ 900	42.7	61.9	66.7	73.1	76.0	79.0	82.3	83.9	84.0	84.5	85.1	85.1	86.0	86.0	86.4	86.8
≥ 800	43.1	62.5	67.5	73.8	76.7	79.9	83.1	84.7	84.8	85.3	86.0	86.0	87.0	87.0	87.4	87.7
≥ 700	43.1	63.2	68.4	74.9	77.9	81.1	84.5	86.0	86.2	86.7	87.4	87.4	88.3	88.3	88.7	89.1
≥ 600	43.2	63.5	68.7	75.1	78.3	81.8	85.3	87.1	87.3	87.9	88.6	88.6	89.6	89.6	89.9	90.3
≥ 500	43.2	63.6	69.8	75.6	78.9	83.0	86.9	89.0	89.1	89.7	90.5	90.5	91.5	91.5	92.0	92.4
≥ 400	43.2	63.6	68.9	76.0	79.6	84.0	88.1	90.5	90.7	91.4	92.4	92.4	93.3	93.3	93.8	94.2
≥ 300	43.2	63.6	69.1	76.2	79.9	84.3	88.6	91.4	91.5	93.0	94.2	94.2	95.3	95.3	95.8	96.1
≥ 200	43.2	63.6	69.1	76.3	80.2	84.8	89.2	92.4	92.5	94.5	95.9	95.9	97.1	97.1	97.8	98.2
≥ 100	43.2	63.6	69.1	76.3	80.2	84.8	89.2	92.6	92.7	94.8	96.1	96.1	97.3	97.3	98.1	98.7
≥ 0	43.2	63.6	69.1	76.3	80.2	84.8	89.2	92.6	92.7	94.8	96.1	96.1	97.5	97.5	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 824

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

...AL CLIMATOLOGY BRANCH
...LTAC
...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2F | YOUNGSTOWN MAP OH | 73-81 | OCT
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	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	32.4	31.9	33.1	35.2	36.8	38.0	38.4	36.6	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥ 20000	24.2	34.3	36.9	39.8	41.7	42.9	43.2	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 18000	24.3	34.7	37.3	40.3	42.1	43.4	43.7	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 16000	24.3	34.7	37.3	40.3	42.1	43.4	43.7	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 14000	25.1	35.3	37.9	40.9	42.9	44.1	44.5	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 12000	25.9	36.8	39.7	42.8	44.8	46.0	46.4	46.7	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 10000	27.0	38.9	42.3	45.3	47.5	48.7	49.1	49.3	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 9000	27.2	39.1	42.5	45.6	47.7	49.0	49.3	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 8000	28.0	41.3	44.8	48.1	50.3	51.9	52.3	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 7000	29.1	41.9	45.7	49.0	51.2	52.7	53.1	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥ 6000	29.4	42.4	46.3	49.6	52.0	53.7	54.1	54.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 5000	30.9	44.8	48.8	52.4	54.8	56.6	57.1	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 4500	32.0	46.2	50.2	53.8	56.3	58.5	59.2	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 4000	33.5	47.6	51.8	55.5	58.0	60.2	60.9	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 3500	36.1	50.8	55.1	58.8	61.3	63.6	64.3	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 3000	39.6	55.5	59.8	63.7	66.1	68.6	69.4	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 2500	43.3	59.8	64.1	68.1	70.5	73.0	74.1	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2000	45.9	63.8	68.1	72.1	74.5	77.1	78.2	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 1800	46.9	65.4	69.9	74.2	76.6	79.4	80.9	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1500	47.9	66.7	71.3	75.5	78.0	80.8	82.2	82.6	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1200	48.9	68.9	73.6	78.3	80.9	84.0	85.7	86.2	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1000	48.8	69.4	74.3	79.0	81.7	85.4	87.3	87.8	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 900	49.3	69.9	74.9	79.8	82.6	86.4	88.3	88.8	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 800	49.5	70.3	75.3	80.3	83.3	87.5	89.4	89.9	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 700	49.6	70.9	76.0	81.0	84.4	88.9	90.9	91.6	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 600	49.6	71.1	76.4	81.5	85.1	89.8	92.3	93.4	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 500	49.8	71.9	77.1	82.3	86.6	91.6	94.5	95.7	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 400	49.8	72.1	77.3	82.7	87.0	92.0	95.0	96.7	97.1	97.8	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	49.8	72.1	77.3	82.7	87.2	92.3	95.4	97.3	97.7	98.4	98.8	98.8	98.9	98.9	98.9	98.9
≥ 200	49.8	72.1	77.3	82.7	87.2	92.3	95.4	97.3	97.7	98.4	98.9	99.0	99.1	99.3	99.3	99.3
≥ 100	49.8	72.1	77.3	82.7	87.2	92.3	95.4	97.3	97.7	98.4	99.0	99.1	99.3	99.4	99.5	99.6
≥ 0	49.8	72.1	77.3	82.7	87.2	92.3	95.4	97.3	97.7	98.4	99.0	99.1	99.3	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 821

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

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

CEILING VERSUS VISIBILITY

... | YOUNGSTOWN 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	≥½	≥¼	≥5/16	≥0	0
NO CEILING	24.4	31.4	32.6	33.5	34.1	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
≥ 20000	28.7	36.8	38.3	39.3	39.9	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 18000	28.9	37.0	38.4	39.4	40.0	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 16000	28.9	37.1	38.4	39.4	40.0	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 14000	29.5	37.7	39.1	40.1	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 12000	31.0	39.6	41.1	42.0	42.6	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 10000	32.1	40.3	42.3	43.4	44.0	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 9000	32.5	42.0	43.5	44.6	45.2	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 8000	33.3	43.4	44.9	46.6	47.2	47.3	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 7000	33.7	43.7	45.3	47.0	47.7	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 6000	33.9	44.4	46.0	47.7	48.4	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 5000	36.7	47.8	49.6	51.7	52.5	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 4500	38.4	49.8	51.6	53.6	54.5	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 4000	42.3	54.1	56.	58.1	58.9	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 3500	47.3	6 .5	62.4	64.5	65.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 3000	61.7	65.8	63.5	70.8	71.6	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2500	56.5	71.9	74.5	77.3	78.1	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2000	60.3	77.9	80.8	83.6	84.4	85.9	86.2	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1800	61.1	79.5	82.6	85.6	86.5	87.9	88.3	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1500	62.4	81.5	84.8	88.0	88.9	90.6	90.9	91.1	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1200	63.2	82.9	86.2	89.5	90.6	92.3	92.6	92.8	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1000	63.5	83.7	87.3	90.9	92.3	94.1	94.4	94.8	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 900	63.5	84.4	88.0	91.8	93.1	94.9	95.3	95.7	95.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 800	63.6	84.5	88.2	91.9	93.2	95.2	95.5	96.0	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 700	63.6	84.7	88.3	92.0	93.4	95.5	96.0	96.5	96.5	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 600	63.8	84.3	88.4	92.3	93.6	95.8	96.9	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500	63.9	85.0	88.8	92.8	94.3	96.7	97.8	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	63.9	85.0	88.8	92.8	94.4	96.9	98.2	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	63.9	85.0	88.8	92.8	94.4	96.9	98.2	99.0	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	63.9	85.0	88.8	92.8	94.6	97.0	98.3	99.2	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	63.9	85.0	88.8	92.8	94.6	97.0	98.3	99.2	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	63.9	85.0	88.8	92.8	94.6	97.0	98.3	99.2	99.2	99.8	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 828

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

25 (STATION) YOUNGSTOWN 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	≥¼	≥0
NO CEILING	25.7	31.8	32.8	33.1	33.5	34.2	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
≥ 20000	32.0	39.2	40.3	40.8	41.2	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 18000	32.0	39.2	40.3	40.8	41.2	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 16000	32.0	39.2	40.3	40.8	41.2	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 14000	32.4	39.6	40.7	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
≥ 12000	34.0	41.7	42.8	43.3	43.6	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 10000	36.1	44.4	45.5	46.1	46.6	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 9000	36.4	44.9	46.0	46.6	47.1	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 8000	37.8	46.5	47.6	48.4	49.9	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 7000	38.9	47.8	48.9	49.9	50.4	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 6000	39.7	49.0	50.1	51.1	51.6	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 5000	44.3	54.3	55.5	56.5	57.0	57.7	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 4500	47.8	58.4	59.7	60.6	61.1	62.1	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 4000	55.7	65.8	67.2	68.2	68.7	69.7	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 3500	58.1	69.7	71.1	72.1	72.6	73.6	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3000	61.9	74.4	76.3	77.4	77.9	78.9	79.3	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2500	65.5	79.0	81.2	82.5	83.0	84.1	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2000	68.7	83.0	85.5	86.8	87.3	88.4	89.1	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1800	69.4	84.4	87.2	88.5	89.0	90.3	91.1	91.4	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	70.0	85.3	88.1	89.5	90.0	91.4	92.2	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1200	70.4	86.6	89.4	90.8	91.6	93.0	94.1	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1000	70.4	86.7	89.5	91.2	92.1	93.8	94.9	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 900	70.4	86.7	89.5	91.2	92.1	93.8	94.9	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 800	70.4	86.9	89.7	91.4	92.3	94.1	95.4	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 700	70.5	87.2	90.2	91.9	92.8	94.9	96.5	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 600	70.5	87.2	90.2	92.1	92.9	95.1	96.9	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500	70.7	87.5	90.6	92.4	93.4	95.6	97.6	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	70.7	87.5	90.6	92.4	93.5	96.0	98.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	70.7	87.5	90.6	92.4	93.5	96.1	98.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	70.7	87.5	90.6	92.4	93.5	96.2	98.4	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	70.7	87.5	91.6	92.4	93.5	96.2	98.4	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	70.7	87.5	91.6	92.4	93.5	96.2	98.4	99.5	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 816

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

...AL CLIMATOLOGY BRANCH
...ETAC
A ...EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

...2... (STATION) YOUNGSTOWN 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	31.4	38.8	39.6	40.4	40.8	41.0	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 20000	37.1	46.9	47.9	48.7	49.1	49.7	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 18000	37.1	46.9	47.9	48.7	49.1	49.7	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 16000	37.1	46.9	47.9	48.7	49.1	49.7	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 14000	37.1	46.9	47.9	48.7	49.1	49.7	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 12000	38.2	48.2	49.2	50.1	50.4	51.0	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 10000	40.0	51.2	52.1	53.0	53.4	54.0	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 9000	40.7	52.3	53.2	54.1	54.5	55.1	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 8000	41.9	53.5	54.6	55.4	55.8	56.4	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 7000	43.1	54.9	56.2	57.3	57.6	58.2	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 6000	44.1	56.4	57.6	58.9	59.2	59.8	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 5000	49.7	62.6	64.1	65.2	65.6	66.2	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4500	52.9	66.5	68.1	69.6	70.3	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4000	56.5	71.1	72.6	74.2	75.0	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3500	57.9	73.1	74.8	76.6	77.3	78.0	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3000	60.4	76.9	78.8	81.5	81.3	82.3	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 2500	62.0	80.3	82.2	84.0	84.9	85.8	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	64.2	83.5	85.6	87.4	88.3	89.3	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.9
≥ 1800	65.0	84.6	86.7	88.5	89.4	90.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	91.0
≥ 1500	65.1	84.9	87.1	89.0	89.9	90.8	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.5
≥ 1200	65.7	85.8	89.1	90.2	91.2	92.2	92.4	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.2
≥ 1000	66.1	86.9	89.4	91.6	92.7	93.9	94.3	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	95.0
≥ 900	66.1	86.9	89.4	91.6	92.8	94.0	94.4	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1
≥ 800	66.1	86.9	89.4	91.9	93.3	94.5	94.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6
≥ 700	66.1	87.3	89.7	92.4	93.9	95.2	95.6	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.5
≥ 600	66.1	87.3	89.7	92.6	94.0	95.4	96.0	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	97.1
≥ 500	66.1	87.4	89.9	92.3	94.5	95.8	96.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.8
≥ 400	66.1	87.4	90.1	93.0	94.7	96.6	97.3	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.9
≥ 300	66.1	87.4	90.1	93.0	94.9	96.8	97.6	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.3
≥ 200	66.1	87.4	90.1	93.0	94.9	96.8	97.6	99.0	99.0	99.3	99.4	99.4	99.5	99.5	99.5	99.6
≥ 100	66.1	87.4	90.1	93.0	94.9	96.8	97.6	99.0	99.0	99.5	99.8	99.8	99.9	99.9	99.9	100.0
≥ 0	66.1	87.4	90.1	93.0	94.9	96.8	97.6	99.0	99.0	99.5	99.8	99.8	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 819

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

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

CEILING VERSUS VISIBILITY

...25... (STATION) YOUNGSTOWN 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	32.9	42.0	43.4	44.4	44.7	45.1	45.1	45.4	45.6	45.9	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	35.2	46.5	47.9	48.9	49.2	49.6	49.6	49.9	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.5
≥ 18000	35.2	46.5	47.9	48.9	49.2	49.6	49.6	49.9	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.5
≥ 16000	35.2	46.5	47.9	48.9	49.2	49.6	49.6	49.9	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.5
≥ 14000	35.2	46.5	47.9	48.9	49.2	49.6	49.6	49.9	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.5
≥ 12000	36.0	47.3	48.8	49.8	50.0	50.5	50.5	50.7	51.0	51.2	51.3	51.3	51.3	51.3	51.3	51.3
≥ 10000	39.9	52.1	53.6	54.6	54.9	55.3	55.3	55.6	55.8	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 9000	40.4	52.7	54.2	55.2	55.5	55.9	55.9	56.2	56.4	56.7	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	42.6	55.7	57.5	58.5	58.7	59.2	59.2	59.5	59.7	60.0	60.1	60.1	60.1	60.1	60.1	60.1
≥ 7000	43.0	56.1	57.9	59.0	59.2	59.7	59.7	60.0	60.2	60.4	60.6	60.6	60.6	60.6	60.6	60.6
≥ 6000	44.4	57.8	59.6	60.7	61.0	61.5	61.8	62.0	62.3	62.5	62.6	62.6	62.6	62.6	62.6	62.6
≥ 5000	47.7	61.5	63.5	64.7	65.0	65.5	65.8	66.0	66.3	66.5	66.6	66.6	66.6	66.6	66.6	66.6
≥ 4500	50.5	65.0	67.0	68.2	68.6	69.1	69.3	69.5	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.1
≥ 4000	52.7	68.3	70.3	71.7	72.1	72.6	72.8	73.1	73.3	73.5	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3500	54.1	70.8	72.7	74.6	75.0	75.5	75.7	76.0	76.2	76.5	76.6	76.6	76.6	76.6	76.6	76.6
≥ 3000	56.6	74.8	77.1	79.0	79.4	79.9	80.1	80.3	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2500	57.6	77.9	80.2	82.2	82.5	83.0	83.3	83.5	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2000	59.1	80.8	83.3	85.2	85.6	86.0	86.3	86.5	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1
≥ 1800	59.7	81.9	84.5	86.5	86.9	87.4	87.7	88.1	88.3	88.6	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	60.3	83.5	86.2	88.5	88.8	89.3	89.7	90.0	90.3	90.5	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1200	60.8	84.7	87.4	89.9	90.3	90.9	91.3	91.6	91.9	92.1	92.2	92.2	92.2	92.2	92.2	92.2
≥ 1000	60.8	85.1	87.9	90.8	91.1	91.9	92.2	92.6	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2
≥ 900	61.3	85.6	88.5	91.4	91.7	92.5	92.8	93.2	93.4	93.7	93.8	93.8	93.8	93.8	93.8	93.8
≥ 800	61.3	85.8	88.7	91.7	92.1	93.0	93.3	93.7	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3
≥ 700	61.7	85.9	88.8	92.4	92.8	93.8	94.2	94.5	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.1
≥ 600	61.2	86.3	89.3	92.8	93.4	94.5	94.9	95.4	95.6	95.9	96.0	96.0	96.0	96.0	96.0	96.0
≥ 500	61.2	86.9	90.2	93.7	94.4	95.5	95.9	96.4	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0
≥ 400	61.2	87.1	90.7	94.4	95.4	96.6	97.0	97.5	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	61.2	87.1	90.7	94.4	95.8	97.1	97.6	98.3	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 200	61.2	87.1	90.7	94.5	95.9	97.2	97.7	98.5	98.8	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	61.2	87.1	90.7	94.5	95.9	97.2	97.8	98.7	98.9	99.5	99.8	99.8	99.8	99.8	99.8	99.9
≥ 0	61.2	87.1	90.7	94.5	95.9	97.2	97.8	98.7	98.9	99.5	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 824

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

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

CEILING VERSUS VISIBILITY

... | YOUNGSTOWN 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	26.6	34.5	36.3	37.9	39.7	39.4	39.8	39.9	40.0	40.3	40.4	40.4	40.6	40.6	40.7	40.8
≥ 20000	29.5	39.0	41.0	42.7	43.6	44.4	44.7	44.9	45.0	45.3	45.4	45.4	45.6	45.6	45.7	45.8
≥ 18000	29.6	39.0	41.0	42.8	43.7	44.5	44.8	45.0	45.1	45.4	45.5	45.5	45.7	45.7	45.8	45.9
≥ 16000	29.6	39.1	41.0	42.9	43.8	44.5	44.9	45.1	45.1	45.4	45.5	45.5	45.7	45.7	45.8	46.0
≥ 14000	29.9	39.3	41.3	43.1	44.	44.8	45.2	45.3	45.4	45.7	45.8	45.8	46.0	46.0	46.1	46.2
≥ 12000	31.9	41.8	42.9	44.7	45.6	46.4	46.8	46.9	47.0	47.3	47.4	47.4	47.6	47.6	47.7	47.9
≥ 10000	33.1	43.6	45.7	47.6	48.6	49.4	49.7	49.9	50.0	50.3	50.4	50.4	50.6	50.6	50.7	50.8
≥ 9000	33.4	44.3	46.4	48.3	49.3	50.0	50.4	50.6	50.7	50.9	51.1	51.1	51.3	51.3	51.3	51.5
≥ 8000	34.7	46.0	48.2	50.3	51.3	52.1	52.5	52.7	52.8	53.1	53.2	53.2	53.4	53.4	53.5	53.6
≥ 7000	35.3	46.9	49.3	51.5	52.5	53.3	53.7	53.9	54.0	54.3	54.4	54.4	54.6	54.6	54.7	54.8
≥ 6000	35.9	48.0	50.4	52.6	53.7	54.5	55.0	55.2	55.3	55.6	55.7	55.7	55.9	55.9	56.0	56.1
≥ 5000	39.0	51.7	54.3	56.6	57.8	58.7	59.2	59.4	59.5	59.8	59.9	59.9	60.1	60.1	60.2	60.4
≥ 4500	41.3	54.4	56.9	59.4	60.6	61.6	62.1	62.4	62.5	62.8	62.9	62.9	63.1	63.1	63.2	63.3
≥ 4000	44.6	58.3	61.0	63.5	64.7	65.8	66.3	66.6	66.7	67.0	67.1	67.1	67.3	67.3	67.4	67.6
≥ 3500	47.3	61.9	64.9	67.3	68.5	69.7	70.2	70.5	70.6	70.9	71.1	71.1	71.3	71.3	71.3	71.5
≥ 3000	50.3	66.1	69.1	71.9	73.1	74.4	75.0	75.3	75.4	75.7	75.8	75.8	76.0	76.0	76.1	76.3
≥ 2500	52.3	69.9	72.9	75.9	77.2	78.5	79.2	79.5	79.7	80.0	80.1	80.1	80.3	80.3	80.4	80.5
≥ 2000	54.9	73.3	76.5	79.6	81.8	82.2	83.0	83.3	83.4	83.7	83.9	83.9	84.1	84.1	84.2	84.3
≥ 1800	55.6	74.6	77.9	81.0	82.3	83.7	84.6	84.9	85.0	85.4	85.5	85.5	85.7	85.7	85.8	86.0
≥ 1500	56.3	75.7	79.1	82.3	83.6	85.1	86.0	86.4	86.5	86.9	87.0	87.0	87.2	87.2	87.3	87.5
≥ 1200	56.8	76.9	80.4	83.9	85.3	86.9	87.8	88.3	88.4	88.8	89.0	89.0	89.1	89.1	89.2	89.4
≥ 1000	57.1	77.7	81.3	85.0	86.5	88.2	89.3	89.8	89.9	90.3	90.5	90.5	90.7	90.7	90.8	90.9
≥ 900	57.2	78.1	81.8	85.6	87.1	88.8	89.9	90.5	90.6	91.0	91.2	91.2	91.4	91.4	91.4	91.6
≥ 800	57.3	78.3	82.1	86.0	87.6	89.4	90.6	91.1	91.3	91.7	91.9	91.9	92.1	92.1	92.1	92.3
≥ 700	57.4	78.7	82.6	86.7	88.4	90.4	91.6	92.2	92.3	92.8	93.0	93.0	93.2	93.2	93.2	93.4
≥ 600	57.4	78.9	82.9	87.1	88.9	91.0	92.5	93.3	93.4	93.9	94.1	94.1	94.3	94.3	94.4	94.5
≥ 500	57.5	79.4	83.5	87.9	89.9	92.2	93.8	94.7	94.8	95.3	95.5	95.5	95.7	95.7	95.8	95.9
≥ 400	57.5	79.5	83.7	88.3	90.5	93.0	94.7	95.8	95.9	96.5	96.7	96.7	96.9	96.9	97.0	97.2
≥ 300	57.5	79.5	83.8	88.4	90.8	93.5	95.4	96.6	96.7	97.5	97.8	97.8	98.0	98.0	98.1	98.2
≥ 200	57.5	79.5	83.8	88.5	91.0	93.8	95.8	97.1	97.2	98.1	98.5	98.6	98.9	98.9	99.0	99.2
≥ 100	57.5	79.5	83.8	88.5	91.0	93.8	95.8	97.2	97.3	98.3	98.8	98.8	99.2	99.2	99.3	99.6
≥ 0	57.5	79.5	83.8	88.5	91.0	93.8	95.8	97.2	97.3	98.3	98.8	98.8	99.2	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 6571

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

CEILING VERSUS VISIBILITY

25 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-2300 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	28.7	28.4	29.8	30.8	31.0	31.1	31.1	31.1	31.1	31.2	31.5	31.5	32.0	32.0	32.1	32.2
≥ 20000	31.0	31.2	32.4	33.6	33.8	33.9	33.9	33.9	33.9	34.1	34.4	34.4	34.9	34.9	35.0	35.1
≥ 18000	32.1	31.1	32.5	33.8	33.9	34.0	34.0	34.0	34.0	34.3	34.5	34.5	35.0	35.0	35.1	35.3
≥ 16000	32.1	31.1	32.5	33.8	33.9	34.0	34.0	34.0	34.0	34.3	34.5	34.5	35.0	35.0	35.1	35.3
≥ 14000	32.1	31.2	32.6	33.9	34.0	34.1	34.1	34.1	34.1	34.4	34.6	34.6	35.1	35.1	35.3	35.4
≥ 12000	32.4	32.0	33.5	34.8	34.9	35.0	35.0	35.0	35.0	35.3	35.5	35.5	36.0	36.0	36.2	36.3
≥ 10000	34.7	35.1	36.7	37.9	38.1	38.2	38.2	38.2	38.2	38.4	38.7	38.7	39.2	39.2	39.3	39.4
≥ 9000	34.7	35.1	36.7	37.9	38.1	38.2	38.2	38.2	38.2	38.4	38.7	38.7	39.2	39.2	39.3	39.4
≥ 8000	36.0	37.2	38.7	39.9	40.1	40.3	40.3	40.5	40.5	40.7	41.0	41.0	41.5	41.5	41.6	41.7
≥ 7000	36.5	38.3	39.9	41.2	41.3	41.6	41.8	42.0	42.0	42.2	42.5	42.5	43.0	43.0	43.1	43.2
≥ 6000	36.9	39.1	41.7	42.2	42.4	42.6	42.9	43.0	43.0	43.2	43.5	43.5	44.0	44.0	44.1	44.2
≥ 5000	39.7	43.7	45.8	47.0	47.2	47.4	47.7	47.8	47.8	48.0	48.3	48.3	48.8	48.8	48.9	49.1
≥ 4500	39.6	44.8	47.3	48.5	48.7	48.9	49.2	49.3	49.3	49.6	49.8	49.8	50.3	50.3	50.4	50.6
≥ 4000	34.1	49.4	52.1	53.2	53.4	53.6	53.9	54.0	54.0	54.2	54.5	54.5	55.0	55.0	55.1	55.2
≥ 3500	36.9	54.1	56.8	58.0	58.2	58.4	58.7	58.8	58.8	59.0	59.3	59.3	59.8	59.8	59.9	60.1
≥ 3000	40.2	59.5	62.3	64.2	64.6	65.0	65.2	65.4	65.4	65.6	65.9	65.9	66.4	66.4	66.5	66.6
≥ 2500	43.7	64.3	67.3	68.6	69.0	69.4	69.7	69.8	69.8	70.0	70.3	70.3	70.8	70.8	70.9	71.0
≥ 2000	46.9	66.5	71.6	72.9	73.3	73.7	74.0	74.1	74.1	74.3	74.6	74.6	75.1	75.1	75.2	75.3
≥ 1800	47.9	70.3	73.6	75.2	75.6	76.0	76.2	76.4	76.4	76.6	76.9	76.9	77.4	77.4	77.5	77.6
≥ 1500	49.2	73.5	76.9	78.9	79.5	79.9	80.4	80.7	80.7	80.9	81.2	81.2	81.7	81.7	81.8	81.9
≥ 1200	50.4	76.4	80.9	83.2	83.9	84.5	85.3	85.7	85.7	86.0	86.2	86.2	86.7	86.7	86.9	87.0
≥ 1000	51.1	77.5	82.6	85.2	86.0	86.6	87.7	88.1	88.1	88.4	88.6	88.6	89.1	89.1	89.3	89.4
≥ 900	51.2	78.1	83.4	86.1	87.0	87.5	88.6	89.0	89.0	89.3	89.5	89.5	90.0	90.0	90.1	90.3
≥ 800	51.3	79.3	84.5	87.7	88.6	89.1	90.5	90.9	90.9	91.2	91.4	91.4	91.9	91.9	92.0	92.2
≥ 700	51.5	80.4	86.1	89.5	90.6	91.3	92.7	93.0	93.0	93.3	93.6	93.6	94.1	94.1	94.2	94.3
≥ 600	51.5	80.7	86.6	90.1	91.5	92.4	93.9	94.3	94.3	94.6	94.8	94.8	95.3	95.3	95.4	95.6
≥ 500	51.5	81.2	87.2	90.8	92.2	93.3	94.9	95.3	95.3	95.6	95.8	95.8	96.3	96.3	96.5	96.6
≥ 400	51.5	81.3	87.6	91.4	92.8	94.4	96.1	96.5	96.5	96.7	97.0	97.0	97.5	97.5	97.6	97.7
≥ 300	51.5	81.4	87.7	91.8	93.2	94.8	96.5	97.0	97.0	97.2	97.5	97.5	98.0	98.0	98.1	98.2
≥ 200	51.5	81.4	87.7	91.9	93.3	94.9	96.6	97.3	97.3	97.7	98.0	98.0	98.5	98.5	98.6	98.7
≥ 100	51.5	81.4	87.7	91.9	93.3	94.9	96.6	97.3	97.3	97.7	98.0	98.0	98.6	98.6	99.2	99.4
≥ 0	51.5	81.4	87.7	91.9	93.3	94.9	96.6	97.3	97.3	97.7	98.0	98.0	98.6	98.6	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 791

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

[redacted]

[redacted] CLIMATOLOGY BRANCH
[redacted]ETAC
[redacted] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[redacted]	YOUNGSTOWN MAP OH	73-81	NOV

HOURS (LST): 0300-0600

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥½	≥⅜	≥5/16	≥¼	0
NO CEILING	27.8	27.[illegible]	28.5	29.7	30.1	30.2	30.3	30.4	30.4	30.7	31.2	31.2	31.2	31.2	31.2	31.7
≥ 20000	28.7	28.4	29.4	31.2	31.6	31.8	32.0	32.1	32.1	32.4	32.9	32.9	32.9	32.9	32.9	33.4
≥ 18000	28.7	28.4	29.[illegible]	31.2	31.6	31.8	32.0	32.1	32.1	32.4	32.9	32.9	32.9	32.9	32.9	33.4
≥ 16000	28.7	28.4	29.[illegible]	31.2	31.6	31.8	32.0	32.1	32.1	32.4	32.9	32.9	32.9	32.9	32.9	33.4
≥ 14000	28.7	28.4	29.9	31.2	31.6	31.8	32.0	32.1	32.1	32.4	32.9	32.9	32.9	32.9	32.9	33.4
≥ 12000	28.8	29.2	31.2	32.5	32.9	33.1	33.2	33.4	33.4	33.6	34.1	34.1	34.1	34.1	34.1	34.7
≥ 10000	29.9	31.5	33.6	34.9	35.3	35.5	35.7	35.8	35.8	36.1	36.6	36.6	36.6	36.6	36.6	37.1
≥ 9000	30.2	31.8	34.0	35.3	35.7	35.9	36.1	36.2	36.2	36.4	37.0	37.0	37.0	37.0	37.0	37.5
≥ 8000	32.1	34.1	36.3	37.6	38.0	38.4	38.5	38.7	38.7	39.0	39.5	39.5	39.5	39.5	39.5	40.0
≥ 7000	32.5	35.3	37.2	38.5	39.9	39.3	39.4	39.6	39.6	39.9	40.4	40.4	40.4	40.4	40.4	40.9
≥ 6000	35.7	38.2	38.7	40.0	40.4	40.8	40.9	41.2	41.2	41.4	41.9	41.9	41.9	41.9	41.9	42.5
≥ 5000	36.3	40.2	43.0	44.2	44.6	45.0	45.1	45.4	45.4	45.7	46.2	46.2	46.2	46.2	46.2	46.7
≥ 4500	37.2	41.8	44.9	46.2	46.5	46.9	47.1	47.3	47.3	47.6	48.1	48.1	48.1	48.1	48.1	48.6
≥ 4000	39.7	45.7	48.7	50.1	50.5	50.9	51.0	51.3	51.3	51.5	52.0	52.0	52.0	52.0	52.0	52.6
≥ 3500	43.5	51.[illegible]	54.3	56.0	56.4	56.8	56.9	57.2	57.2	57.4	57.9	57.9	57.9	57.9	57.9	58.4
≥ 3000	45.9	54.2	57.7	59.7	60.1	60.5	60.6	60.9	60.9	61.1	61.8	61.8	61.8	61.8	61.8	62.3
≥ 2500	48.7	59.2	62.8	65.1	65.6	66.0	66.1	66.4	66.4	66.6	67.3	67.3	67.3	67.3	67.3	67.8
≥ 2000	51.3	63.6	67.4	70.1	70.7	71.1	71.2	71.6	71.6	71.9	72.5	72.5	72.5	72.5	72.5	73.0
≥ 1800	53.4	65.7	69.7	72.5	73.1	73.7	73.8	74.2	74.2	74.4	75.1	75.1	75.1	75.1	75.1	75.6
≥ 1500	54.0	67.5	71.5	74.3	74.9	75.4	75.8	76.2	76.2	76.5	77.1	77.1	77.1	77.1	77.1	77.6
≥ 1200	55.9	71.9	76.6	80.4	81.1	81.8	82.2	82.6	82.6	82.9	83.5	83.5	83.5	83.5	83.5	84.0
≥ 1000	56.3	74.0	79.3	83.9	84.5	85.3	85.9	86.3	86.4	86.7	87.3	87.3	87.5	87.5	87.5	88.0
≥ 900	57.1	74.7	79.9	84.5	85.2	85.9	86.8	87.2	87.3	87.6	88.2	88.2	88.4	88.4	88.4	88.9
≥ 800	57.2	75.4	81.7	85.4	86.2	87.0	88.0	88.4	88.5	88.9	89.5	89.5	89.6	89.6	89.6	90.2
≥ 700	57.2	76.9	82.4	87.2	88.2	89.0	9 .2	90.5	90.7	91.0	91.7	91.7	91.8	91.8	91.8	92.3
≥ 600	57.3	77.4	83.[illegible]	88.4	89.4	9[illegible].2	91.3	91.7	91.8	92.2	92.8	92.8	93.0	93.0	93.0	93.5
≥ 500	57.4	77.5	83.4	89.5	9[illegible].8	91.7	93.[illegible]	93.4	93.5	93.9	94.5	94.5	94.6	94.6	94.6	95.1
≥ 400	57.6	77.7	83.9	9[illegible].4	91.8	92.8	94.1	94.5	94.6	95.[illegible]	95.7	95.7	95.8	95.8	95.8	96.3
≥ 300	57.6	77.7	84.[illegible]	90.9	92.3	93.4	94.6	95.1	95.3	95.7	96.3	96.3	96.4	96.4	96.4	96.9
≥ 200	57.6	77.7	84.[illegible]	90.9	92.3	93.4	94.6	95.3	95.4	95.8	96.8	96.8	97.1	97.2	97.4	98.1
≥ 100	57.6	77.7	84.0	90.9	92.3	93.4	94.6	95.3	95.4	95.8	96.9	96.9	97.2	97.3	98.1	99.[illegible]
≥ 0	57.6	77.7	84.[illegible]	90.9	92.3	93.4	94.6	95.3	95.4	95.8	96.9	96.9	97.2	97.3	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 782

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

...L CLIMATOLOGY BRANCH
...ETAC
A... WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

... 25 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

~~600-2600~~ (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	13.5	19.9	21.6	22.6	23.6	24.3	24.9	24.9	24.9	25.2	25.2	25.2	25.3	25.3	25.4	25.5
≥ 20000	16.7	24.2	26.3	27.3	28.2	28.8	29.4	29.4	29.4	29.7	29.7	29.7	29.9	29.9	30.2	30.3
≥ 18000	16.9	24.3	26.4	27.4	28.3	28.9	29.6	29.6	29.6	29.8	29.8	29.8	30.1	30.1	30.3	30.4
≥ 16000	16.9	24.3	26.4	27.4	28.3	28.9	29.6	29.6	29.6	29.8	29.8	29.8	30.1	30.1	30.3	30.4
≥ 14000	17.1	24.4	26.5	27.5	28.4	29.1	29.7	29.7	29.7	29.9	29.9	29.9	30.2	30.2	30.4	30.6
≥ 12000	17.7	26.4	28.6	29.6	30.4	31.1	31.7	31.7	31.7	31.9	31.9	31.9	32.2	32.2	32.5	32.6
≥ 10000	17.7	28.8	31.3	32.5	33.3	34.0	34.6	34.6	34.6	34.8	34.8	34.8	35.1	35.1	35.3	35.5
≥ 9000	14.7	28.8	31.3	32.5	33.3	34.0	34.6	34.6	34.6	34.8	34.8	34.8	35.1	35.1	35.3	35.5
≥ 8000	19.4	30.6	33.1	34.2	35.1	35.7	36.4	36.4	36.4	36.6	36.6	36.6	36.9	36.9	37.1	37.2
≥ 7000	19.7	31.2	33.7	34.8	36.1	36.7	37.4	37.4	37.4	37.6	37.6	37.6	37.9	37.9	38.1	38.2
≥ 6000	23.6	32.5	35.2	36.4	37.6	38.2	38.9	38.9	38.9	39.1	39.1	39.1	39.4	39.4	39.6	39.7
≥ 5000	26.4	36.1	39.1	40.4	41.8	42.4	43.1	43.1	43.1	43.4	43.4	43.4	43.6	43.6	43.9	44.0
≥ 4500	24.3	37.7	41.8	42.1	43.5	44.2	44.9	44.9	44.9	45.2	45.2	45.2	45.4	45.4	45.7	45.8
≥ 4000	27.2	41.4	44.5	46.2	47.5	48.3	49.1	49.1	49.1	49.3	49.3	49.3	49.6	49.6	49.8	49.9
≥ 3500	29.6	44.4	47.9	49.8	51.2	51.9	52.7	52.7	52.7	53.0	53.0	53.0	53.2	53.2	53.5	53.6
≥ 3000	32.3	48.4	52.2	54.2	55.7	56.5	57.5	57.5	57.5	57.7	57.9	57.9	58.1	58.1	58.4	58.5
≥ 2500	35.3	53.8	57.9	60.1	61.5	62.6	63.9	64.0	64.0	64.3	64.4	64.4	64.7	64.7	64.9	65.0
≥ 2000	39.9	59.5	63.8	66.0	67.8	69.1	70.4	70.6	70.6	70.9	71.1	71.2	71.4	71.4	71.7	71.8
≥ 1800	41.0	61.5	65.9	68.6	70.4	71.8	73.2	73.3	73.3	73.7	73.8	74.1	74.2	74.2	74.5	74.6
≥ 1500	41.9	63.4	67.8	70.6	72.5	74.0	75.5	75.7	75.7	76.1	76.4	76.5	76.7	76.7	77.0	77.1
≥ 1200	43.4	65.9	70.6	73.7	75.6	77.2	79.1	79.5	79.5	79.9	80.1	80.3	80.5	80.5	80.8	80.9
≥ 1000	44.2	66.2	73.0	76.4	78.2	80.0	82.0	82.4	82.4	82.6	83.0	83.1	83.4	83.4	83.6	83.8
≥ 900	44.5	69.1	74.1	77.4	79.4	81.3	83.3	83.6	83.6	84.2	84.5	84.7	84.9	84.9	85.2	85.3
≥ 800	44.5	69.8	75.1	79.0	81.0	82.9	85.0	85.8	85.8	86.3	86.8	86.9	87.2	87.2	87.4	87.5
≥ 700	44.9	71.4	76.7	80.8	83.3	85.3	87.7	88.6	88.6	89.1	89.8	89.9	90.3	90.3	90.6	90.7
≥ 600	44.3	71.7	77.2	81.5	84.0	86.2	88.6	89.4	89.4	90.1	90.9	91.1	91.4	91.4	91.7	91.8
≥ 500	44.4	71.9	77.5	82.3	84.8	86.9	89.6	90.6	90.6	91.3	92.3	92.5	92.8	92.8	93.1	93.2
≥ 400	44.8	71.9	77.6	82.9	85.4	87.7	90.7	91.8	91.8	92.7	93.7	93.8	94.5	94.5	94.7	94.8
≥ 300	44.8	71.9	77.6	83.4	85.9	88.4	91.9	93.1	93.1	94.2	95.3	95.5	96.1	96.1	96.4	96.5
≥ 200	44.8	71.9	77.6	83.4	85.9	88.4	92.2	93.3	93.3	94.8	96.4	96.5	97.4	97.4	97.7	98.2
≥ 100	44.8	71.9	77.6	83.4	85.9	88.4	92.2	93.3	93.3	94.8	96.4	96.5	97.4	97.4	97.7	98.6
≥ 0	44.8	71.9	77.6	83.4	85.9	88.4	92.2	93.3	93.3	94.8	96.4	96.5	97.4	97.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 795

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

AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: YOUNGSTOWN MAP OH (STATION NAME) | 73-81 (YEARS) | NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	11.2	16.3	17.2	18.7	19.8	20.6	21.8	22.1	22.1	22.2	22.2	22.2	22.2	22.2	22.2	22.4
≥ 20000	15.3	21.5	23.2	24.8	25.9	26.7	27.9	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3	28.6
≥ 18000	15.7	22.2	23.9	25.2	26.3	27.1	28.3	28.6	28.6	28.7	28.7	28.7	28.7	28.7	28.7	28.9
≥ 16000	16.3	22.3	23.7	25.3	26.4	27.2	28.4	28.7	28.7	28.8	28.8	28.8	28.8	28.8	28.8	29.1
≥ 14000	16.7	23.1	24.6	26.2	27.3	28.1	29.3	29.6	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.9
≥ 12000	18.2	25.4	27.1	28.9	30.1	30.8	32.1	32.3	32.3	32.5	32.5	32.5	32.5	32.5	32.5	32.7
≥ 10000	19.4	27.6	29.3	31.5	32.6	33.3	34.6	34.8	34.8	35.0	35.0	35.0	35.0	35.0	35.0	35.2
≥ 9000	19.5	27.8	29.8	32.0	33.1	33.8	35.2	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.8
≥ 8000	20.4	29.4	31.5	33.7	34.8	35.6	37.0	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.6
≥ 7000	20.7	29.7	31.7	34.2	35.3	36.1	37.5	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8	38.1
≥ 6000	21.3	30.7	32.8	35.3	36.5	37.2	38.6	38.8	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.2
≥ 5000	23.1	33.3	35.5	38.2	39.3	40.1	41.7	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.4
≥ 4500	24.4	35.1	37.3	40.4	41.5	42.2	44.0	44.2	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.6
≥ 4000	26.6	38.1	40.6	43.6	44.9	45.6	47.5	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.2
≥ 3500	29.4	41.7	44.4	47.5	48.7	49.5	51.4	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	52.1
≥ 3000	32.6	46.0	49.1	52.1	53.4	54.1	56.0	56.4	56.4	56.5	56.6	56.6	56.8	56.8	56.9	57.0
≥ 2500	37.5	52.0	55.4	58.8	60.3	61.2	63.2	63.7	63.7	63.8	63.9	63.9	64.0	64.0	64.0	64.3
≥ 2000	41.9	57.5	61.3	64.8	67.2	68.4	70.9	71.4	71.4	71.6	71.7	71.7	71.8	71.8	71.8	72.1
≥ 1800	42.9	59.1	62.9	66.5	68.9	70.3	72.8	73.3	73.3	73.4	73.6	73.6	73.7	73.7	73.7	73.9
≥ 1500	44.2	61.8	65.5	69.2	71.6	73.1	75.7	76.2	76.2	76.3	76.6	76.6	76.7	76.7	76.7	76.9
≥ 1200	45.6	64.3	68.2	72.1	74.6	76.1	79.3	79.9	79.9	80.2	80.6	80.6	80.7	80.7	80.7	81.0
≥ 1000	45.4	66.0	70.1	74.2	77.1	78.8	82.6	83.3	83.3	83.7	84.1	84.1	84.2	84.2	84.2	84.5
≥ 900	46.4	66.4	70.8	74.9	77.9	79.9	83.7	84.7	84.7	85.6	86.0	86.0	86.1	86.1	86.1	86.3
≥ 800	46.6	66.8	71.4	75.6	78.7	81.0	84.8	86.1	86.1	87.2	87.6	87.6	87.7	87.7	87.7	88.0
≥ 700	46.6	67.4	72.1	76.3	79.4	82.1	86.1	87.5	87.5	88.8	89.5	89.5	89.7	89.7	89.7	90.0
≥ 600	46.7	67.7	72.4	77.1	80.5	83.2	87.3	89.2	89.2	90.6	91.2	91.2	91.5	91.5	91.5	91.7
≥ 500	46.7	67.8	72.7	77.3	80.7	83.5	88.3	90.6	90.6	92.0	92.9	92.9	93.1	93.1	93.1	93.4
≥ 400	46.9	67.9	72.8	77.7	81.2	84.3	89.8	92.4	92.4	94.1	95.4	95.4	95.7	95.7	95.9	96.1
≥ 300	46.9	67.9	72.8	77.7	81.2	84.3	90.1	93.5	93.5	95.4	97.0	97.0	97.4	97.4	97.5	97.7
≥ 200	46.9	67.9	72.8	77.7	81.2	84.3	90.1	93.5	93.5	95.7	97.6	97.6	98.2	98.2	98.5	99.1
≥ 100	46.9	67.9	72.8	77.7	81.2	84.3	90.1	93.5	93.5	95.7	97.6	97.6	98.2	98.2	98.5	99.9
≥ 0	46.9	67.9	72.8	77.7	81.2	84.3	90.1	93.5	93.5	95.7	97.6	97.6	98.2	98.2	98.5	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

25 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥½	≥5/16	≥¼	0
NO CEILING	19.4	22.3	23.4	24.2	24.7	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9
≥ 20000	21.7	28.7	29.8	30.5	31.0	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 18000	21.7	28.7	29.8	30.5	31.0	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 16000	21.8	28.8	29.9	30.7	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 14000	22.1	29.0	30.2	30.9	31.4	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 12000	23.0	30.3	31.4	32.2	32.7	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 10000	23.5	31.8	33.2	34.2	34.7	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 9000	24.0	32.2	33.7	34.9	35.4	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 8000	24.2	32.5	34.3	35.7	36.2	36.4	36.5	36.5	36.5	36.7	36.7	36.7	36.7	36.7	36.7
≥ 7000	25.0	33.7	35.5	36.9	37.4	37.7	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9	37.9
≥ 6000	25.8	34.7	36.5	37.9	38.4	38.7	38.8	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9
≥ 5000	27.4	37.5	39.5	40.9	41.4	41.8	41.9	41.9	41.9	42.1	42.1	42.1	42.1	42.1	42.1
≥ 4500	29.2	39.5	41.6	43.1	43.6	43.9	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2
≥ 4000	31.7	43.4	45.8	47.6	48.1	48.6	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8
≥ 3500	34.7	46.4	49.1	51.8	51.3	51.8	51.9	51.9	51.9	52.1	52.1	52.1	52.1	52.1	52.1
≥ 3000	38.4	51.8	54.4	56.3	56.8	57.4	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
≥ 2500	45.9	61.1	64.	65.8	66.6	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7
≥ 2000	50.3	67.6	70.7	72.8	74.0	75.6	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1
≥ 1800	52.3	70.2	73.3	75.7	76.8	78.5	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1
≥ 1500	53.7	72.3	75.7	78.1	79.2	81.1	81.7	81.7	81.7	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1200	54.9	74.8	78.6	81.2	82.4	84.4	85.2	85.4	85.4	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1000	55.1	75.2	79.3	82.0	83.1	85.5	86.7	87.2	87.2	88.0	88.0	88.0	88.0	88.0	88.0
≥ 900	55.1	75.5	80.1	82.9	84.1	86.7	88.0	88.6	88.6	89.5	89.5	89.5	89.5	89.5	89.5
≥ 800	55.2	76.1	80.9	83.6	84.9	87.7	89.1	89.7	89.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 700	55.4	76.8	81.9	85.0	86.4	89.5	91.5	92.2	92.2	93.5	93.5	93.5	93.5	93.5	93.5
≥ 600	55.4	76.8	81.9	85.0	86.6	89.7	92.0	93.0	93.0	94.6	94.6	94.6	94.6	94.6	94.6
≥ 500	55.6	77.1	82.2	85.4	87.0	90.1	93.1	94.9	94.9	96.5	96.7	96.7	96.7	96.7	96.7
≥ 400	55.6	77.1	82.4	85.7	87.4	90.6	93.7	95.6	95.6	97.7	98.0	98.0	98.2	98.2	98.4
≥ 300	55.6	77.1	82.5	85.9	87.5	90.7	94.4	96.4	96.4	98.5	98.9	98.9	99.2	99.2	99.4	99.4
≥ 200	55.6	77.1	82.5	85.9	87.5	90.7	94.5	96.7	96.7	98.9	99.2	99.2	99.6	99.6	99.9	99.9
≥ 100	55.6	77.1	82.5	85.9	87.5	90.7	94.5	96.7	96.7	98.9	99.4	99.4	99.7	99.7	100.0	100.0
≥ 0	55.6	77.1	82.5	85.9	87.5	90.7	94.5	96.7	96.7	98.9	99.4	99.4	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 799

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

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

CEILING VERSUS VISIBILITY

...PT	YOUNGSTOWN MAP OH	73-81	NOV
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	≥1¾	≥1½	≥1	≥⅞	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	29.8	25.6	26.3	26.4	26.4	26.5	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
≥ 20000	25.1	32.6	33.3	33.5	33.5	33.6	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 18000	25.1	32.8	33.6	33.7	33.7	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 16000	25.1	32.8	33.6	33.7	33.7	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 14000	26.1	33.7	34.5	34.6	34.6	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 12000	27.3	35.2	36.1	36.2	36.2	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 10000	29.3	37.9	39.0	39.3	39.3	39.5	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 9000	29.8	38.8	40.2	40.3	40.3	40.5	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 8000	30.3	40.4	41.8	42.0	42.0	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 7000	31.7	41.7	43.1	43.3	43.3	43.6	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥ 6000	32.4	43.2	44.6	44.8	44.9	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 5000	33.8	45.2	46.6	46.8	47.0	47.6	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 4500	35.7	47.3	48.9	49.1	49.2	49.9	50.-	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 4000	38.8	51.5	53.2	53.5	53.7	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 3500	41.7	55.7	57.3	57.7	57.8	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 3000	46.5	60.7	62.6	63.1	63.3	63.9	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 2500	52.1	68.7	70.6	71.2	72.0	73.1	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 2000	55.8	74.4	76.8	77.9	78.7	80.1	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1800	57.3	76.6	79.2	80.4	81.3	82.7	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1500	58.3	78.3	81.6	82.8	83.7	85.1	86.0	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1200	58.7	79.5	82.8	84.5	85.4	87.0	88.4	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1000	59.1	80.2	83.6	85.6	86.5	88.3	89.6	90.2	90.2	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 900	59.2	80.3	83.8	85.9	86.7	88.5	89.9	90.5	90.5	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 800	59.5	81.1	84.6	86.7	87.6	89.8	91.4	92.3	92.3	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 700	59.6	81.4	85.1	87.2	88.1	91.3	93.3	94.3	94.3	95.2	95.2	95.2	95.3	95.3	95.3	95.3
≥ 600	59.7	81.6	85.4	87.6	88.5	92.3	94.4	95.7	95.7	96.6	97.0	97.0	97.2	97.2	97.2	97.2
≥ 500	59.7	81.8	85.7	88.0	89.0	92.8	95.3	96.7	96.7	98.1	98.5	98.5	98.7	98.7	98.7	98.7
≥ 400	59.7	81.8	85.7	88.3	89.5	93.4	96.0	97.3	97.3	99.0	99.4	99.4	99.6	99.6	99.6	99.6
≥ 300	59.7	81.8	85.7	88.3	89.5	93.4	96.0	97.6	97.6	99.2	99.6	99.6	99.9	99.9	99.9	99.9
≥ 200	59.7	81.8	85.7	88.3	89.5	93.4	96.0	97.6	97.6	99.2	99.6	99.6	99.9	99.9	99.9	99.9
≥ 100	59.7	81.8	85.7	88.3	89.5	93.4	96.0	97.6	97.6	99.2	99.6	99.7	100.0	100.0	100.0	100.0
≥ 0	59.7	81.8	85.7	88.3	89.5	93.4	96.0	97.6	97.6	99.2	99.6	99.7	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 792

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-91 YEARS | NOV MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 HOURS LST

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥⅝	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	22.1	27.4	27.6	28.2	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 20000	26.3	33.3	33.5	34.5	34.7	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 18000	26.6	33.5	34.2	34.9	35.0	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 16000	26.6	33.5	34.2	34.9	35.0	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 14000	27.4	34.9	35.4	36.2	36.3	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
≥ 12000	28.3	36.3	37.0	37.9	38.0	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 10000	31.2	39.4	40.1	41.0	41.1	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 9000	31.7	40.0	40.8	41.6	41.8	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 8000	32.8	41.8	42.5	43.4	43.5	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 7000	34.2	44.1	45.0	45.9	46.0	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
≥ 6000	34.7	44.9	45.9	46.8	46.9	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 5000	36.2	47.5	48.6	49.5	49.8	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 4500	37.7	49.1	50.2	51.4	51.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 4000	41.5	54.1	55.4	56.5	56.7	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 3500	45.4	59.4	60.6	62.1	62.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 3000	50.1	66.1	67.3	68.6	69.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 2500	52.9	71.2	72.9	74.4	74.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2000	55.1	74.2	76.4	78.6	79.4	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 1800	56.5	76.4	78.8	81.5	82.4	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1500	57.1	77.7	80.2	83.3	84.2	85.5	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 1200	58.2	81.4	83.4	86.8	87.8	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1000	58.2	81.4	84.7	88.4	89.4	90.9	91.0	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 900	58.2	81.5	84.9	88.8	89.8	91.3	91.4	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 800	58.5	82.5	85.9	90.1	91.1	92.6	92.8	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 700	58.5	82.9	86.4	90.8	91.8	94.0	94.4	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 600	58.5	83.0	86.5	91.3	92.4	94.6	95.0	95.6	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1
≥ 500	58.7	83.5	87.3	92.3	93.4	95.6	96.0	96.8	96.9	97.0	97.3	97.3	97.3	97.3	97.3	97.3
≥ 400	58.7	83.7	87.5	92.8	94.1	96.4	97.1	98.0	98.1	98.5	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	58.9	83.9	87.8	93.1	94.8	97.1	98.0	98.9	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	58.9	83.9	87.8	93.1	94.8	97.1	98.0	98.9	99.0	99.4	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	58.9	83.9	87.8	93.1	94.8	97.1	98.0	98.9	99.0	99.4	99.6	99.6	99.9	99.9	99.9	99.9
≥ 0	58.9	83.9	87.8	93.1	94.8	97.1	98.0	98.9	99.0	99.4	99.6	99.6	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 802

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

[illegible] CLIMATOLOGY BRANCH
[illegible]ETAC
A[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | YOUNGSTOWN 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	21.3	28.3	28.3	28.4	28.9	29.2	29.2	29.2	29.2	29.3	29.3	29.3	29.3	29.3	29.3	29.3
≥ 20000	23.2	31.4	32.2	32.3	32.8	33.1	33.2	33.6	33.6	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 18000	23.2	31.4	32.2	32.3	32.8	33.1	33.2	33.6	33.6	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 16000	23.2	31.4	32.2	32.3	32.8	33.1	33.2	33.6	33.6	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 14000	23.3	31.7	32.4	32.6	33.1	33.3	33.5	33.8	33.8	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 12000	24.1	33.6	34.3	34.5	35.0	35.2	35.4	35.7	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 10000	27.0	37.9	38.7	38.8	39.3	39.5	39.7	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 9000	27.6	38.5	39.3	39.4	39.9	40.2	40.3	40.7	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 8000	28.6	40.1	40.9	40.9	41.4	41.7	41.8	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 7000	30.2	42.0	42.8	43.0	43.5	43.7	43.9	44.2	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 6000	31.1	43.5	44.4	44.5	45.0	45.4	45.5	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 5000	33.1	45.8	46.6	46.8	47.3	47.8	47.9	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 4500	34.9	48.5	49.4	49.6	50.1	50.6	50.7	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 4000	38.1	53.0	54.0	54.2	54.8	55.5	55.6	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 3500	40.9	57.7	58.7	59.2	59.7	60.5	60.6	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 3000	47.3	65.5	66.7	67.3	67.8	68.6	68.7	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 2500	50.4	71.5	72.8	73.5	74.0	74.8	74.9	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 2000	52.0	74.7	76.0	77.3	77.8	78.7	79.0	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 1800	52.6	76.4	77.9	79.5	80.0	80.9	81.2	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1500	53.9	78.5	80.1	81.7	82.4	83.3	83.8	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1200	55.7	80.7	82.5	84.4	85.0	86.1	86.7	87.2	87.2	87.5	87.5	87.5	87.6	87.6	87.6	87.6
≥ 1000	55.4	82.0	84.3	86.6	87.3	88.3	89.1	89.6	89.6	89.9	89.9	89.9	90.0	90.0	90.0	90.0
≥ 900	55.6	82.5	85.3	87.6	88.3	89.4	90.2	90.7	90.7	91.0	91.0	91.0	91.1	91.1	91.1	91.1
≥ 800	55.9	82.9	85.8	89.1	89.9	90.9	92.0	92.5	92.5	92.8	92.8	92.8	92.9	92.9	92.9	92.9
≥ 700	56.1	83.1	86.1	89.7	90.6	92.1	93.3	93.8	93.8	94.0	94.0	94.0	94.2	94.2	94.2	94.2
≥ 600	56.3	83.7	86.7	90.7	91.6	93.2	94.6	95.2	95.2	95.4	95.4	95.4	95.6	95.6	95.6	95.6
≥ 500	56.5	84.5	87.7	91.9	92.8	94.3	95.9	97.0	97.0	97.2	97.2	97.2	97.3	97.3	97.3	97.3
≥ 400	56.5	85.0	88.3	92.8	94.0	95.8	97.5	98.5	98.5	98.7	98.7	98.7	98.9	98.9	98.9	98.9
≥ 300	56.5	85.2	88.5	93.0	94.3	96.1	98.0	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.6
≥ 200	56.5	85.2	88.5	93.0	94.4	96.2	98.1	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 100	56.5	85.2	88.5	93.0	94.4	96.3	98.4	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	56.5	85.2	88.5	93.0	94.4	96.3	98.4	99.6	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 789

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
4[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | YOUNGSTOWN 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	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	17.9	24.4	25.3	26.1	26.6	26.9	27.2	27.2	27.2	27.3	27.4	27.4	27.5	27.5	27.5	27.7
≥ 20000	21.2	28.9	30.1	31.0	31.4	31.8	32.1	32.2	32.2	32.3	32.4	32.4	32.5	32.5	32.5	32.7
≥ 18000	21.3	29.0	30.3	31.1	31.6	31.9	32.2	32.3	32.3	32.5	32.5	32.5	32.6	32.6	32.7	32.8
≥ 16000	21.3	29.1	30.3	31.2	31.6	32.0	32.3	32.4	32.4	32.5	32.6	32.6	32.7	32.7	32.7	32.8
≥ 14000	21.7	29.5	30.8	31.6	32.1	32.5	32.7	32.8	32.8	33.0	33.0	33.0	33.1	33.1	33.2	33.3
≥ 12000	22.5	31.0	32.4	33.3	33.8	34.1	34.4	34.5	34.5	34.6	34.7	34.7	34.8	34.8	34.9	35.0
≥ 10000	24.3	33.7	35.2	36.2	36.7	37.1	37.4	37.5	37.5	37.7	37.8	37.8	37.9	37.9	37.9	38.0
≥ 9000	24.5	34.1	35.7	36.7	37.2	37.6	37.9	38.0	38.0	38.2	38.3	38.3	38.4	38.4	38.4	38.5
≥ 8000	25.6	35.8	37.4	38.4	38.9	39.4	39.7	39.8	39.8	39.9	40.0	40.0	40.1	40.1	40.2	40.3
≥ 7000	26.3	37.0	38.6	39.7	40.2	40.7	41.1	41.2	41.2	41.3	41.4	41.4	41.5	41.5	41.6	41.7
≥ 6000	27.0	38.1	39.9	41.0	41.5	42.0	42.4	42.5	42.5	42.6	42.7	42.7	42.8	42.8	42.9	43.0
≥ 5000	29.1	41.2	43.1	44.2	44.8	45.4	45.8	45.9	45.9	46.0	46.1	46.1	46.2	46.2	46.3	46.4
≥ 4500	30.5	43.0	45.0	46.3	46.8	47.4	47.8	48.0	48.0	48.1	48.2	48.2	48.3	48.3	48.3	48.5
≥ 4000	33.5	47.1	49.3	50.6	51.2	51.8	52.3	52.4	52.4	52.6	52.6	52.6	52.7	52.7	52.8	52.9
≥ 3500	36.4	51.3	53.6	55.1	55.7	56.3	56.8	56.9	56.9	57.1	57.2	57.2	57.3	57.3	57.3	57.4
≥ 3000	40.5	56.6	59.1	60.7	61.3	62.0	62.5	62.6	62.6	62.8	62.9	62.9	63.0	63.0	63.1	63.2
≥ 2500	44.7	62.7	65.4	67.2	68.0	68.8	69.4	69.6	69.6	69.7	69.8	69.8	70.0	70.0	70.0	70.1
≥ 2000	48.2	67.5	70.5	72.6	73.6	74.7	75.3	75.6	75.6	75.7	75.9	75.9	76.0	76.0	76.0	76.2
≥ 1800	49.2	69.5	72.7	75.0	76.1	77.2	77.9	78.2	78.2	78.3	78.5	78.5	78.6	78.6	78.6	78.8
≥ 1500	50.3	71.6	74.9	77.4	78.5	79.7	80.6	80.9	80.9	81.1	81.3	81.3	81.4	81.4	81.5	81.6
≥ 1200	51.5	74.2	77.9	80.8	82.0	83.3	84.5	84.8	84.8	85.1	85.3	85.3	85.5	85.5	85.5	85.6
≥ 1000	52.0	75.6	79.6	82.8	84.0	85.5	86.8	87.3	87.3	87.7	87.9	87.9	88.1	88.1	88.1	88.2
≥ 900	52.2	76.0	80.3	83.5	84.8	86.3	87.7	88.3	88.3	88.8	89.0	89.0	89.1	89.1	89.2	89.3
≥ 800	52.3	76.7	81.1	84.7	86.0	87.6	89.2	89.9	89.9	90.4	90.7	90.7	90.8	90.8	90.9	91.0
≥ 700	52.5	77.6	82.1	85.8	87.3	89.3	91.1	91.9	91.9	92.5	92.8	92.8	93.0	93.0	93.1	93.2
≥ 600	52.5	77.8	82.5	86.5	88.1	90.2	92.1	93.0	93.1	93.7	94.1	94.1	94.3	94.3	94.4	94.5
≥ 500	52.6	78.2	83.1	87.2	88.8	91.0	93.3	94.4	94.4	95.2	95.7	95.7	95.9	95.9	95.9	96.0
≥ 400	52.7	78.3	83.2	87.7	89.5	91.9	94.4	95.6	95.6	96.6	97.1	97.1	97.4	97.4	97.4	97.6
≥ 300	52.7	78.4	83.3	88.0	89.8	92.3	94.9	96.3	96.4	97.4	98.0	98.0	98.3	98.3	98.4	98.5
≥ 200	52.7	78.4	83.3	88.0	89.9	92.3	95.0	96.5	96.5	97.7	98.4	98.4	98.8	98.8	98.9	99.2
≥ 100	52.7	78.4	83.3	88.0	89.9	92.3	95.0	96.5	96.6	97.7	98.4	98.5	98.9	98.9	99.2	99.6
≥ 0	52.7	78.4	83.3	88.0	89.9	92.3	95.0	96.5	96.6	97.7	98.4	98.5	98.9	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 6348

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

4514

GL BAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 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	≥1¾	≥1½	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	13.7	18.4	19.	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
≥ 20000	15.7	21.5	22.2	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
≥ 18000	15.7	21.5	22.2	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
≥ 16000	15.7	21.5	22.2	22.3	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
≥ 14000	16.3	22.3	22.9	23.0	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
≥ 12000	17.1	23.1	23.7	23.8	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 10000	19.6	26.4	27.1	27.2	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
≥ 9000	20.0	26.8	27.5	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
≥ 8000	22.4	29.5	30.3	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
≥ 7000	24.2	31.4	32.1	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
≥ 6000	24.5	31.7	32.4	32.9	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
≥ 5000	26.4	34.4	35.1	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 4500	27.5	35.8	36.6	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 4000	28.8	37.5	38.3	38.9	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 3500	30.0	39.6	40.7	41.3	41.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 3000	32.3	43.7	45.2	46.2	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 2500	35.8	48.4	50.8	52.1	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 2000	39.2	55.8	59.0	60.8	61.0	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 1800	40.2	58.1	62.0	64.0	64.4	64.6	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 1500	41.5	60.9	65.3	68.0	68.5	68.9	69.4	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 1200	42.5	65.3	70.5	74.1	74.7	75.1	76.6	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 1000	43.5	67.6	73.2	77.2	78.0	78.3	80.0	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 900	43.9	68.4	74.2	78.3	79.2	79.5	81.2	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 800	43.9	68.8	74.8	79.3	80.1	80.5	82.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 700	44.1	70.5	76.9	81.4	82.2	82.7	84.4	85.2	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5
≥ 600	44.2	71.8	78.2	83.4	84.5	85.1	87.0	88.5	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9
≥ 500	44.2	71.8	78.5	84.1	86.0	86.8	89.1	91.0	91.3	91.3	91.9	91.9	91.9	91.9	91.9	91.9
≥ 400	44.2	72.0	78.9	85.0	87.0	88.1	90.4	92.5	92.7	93.0	93.6	93.6	93.6	93.6	93.6	93.6
≥ 300	44.2	72.3	79.2	85.7	88.7	90.0	92.6	95.0	95.3	95.5	96.1	96.1	96.2	96.2	96.2	96.4
≥ 200	44.2	72.3	79.2	85.8	89.0	90.2	93.1	96.0	96.2	96.6	97.3	97.3	97.5	97.5	97.7	98.1
≥ 100	44.2	72.3	79.2	85.8	89.0	90.3	93.2	96.2	96.5	97.0	98.1	98.1	98.5	98.9	99.3	99.8
≥ 0	44.2	72.3	79.2	85.8	89.0	90.3	93.2	96.2	96.5	97.0	98.1	98.1	98.5	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 826

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

7,237 STATION | YOUNGSTOWN 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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	12.3	16.7	17.1	17.8	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
≥ 20000	13.9	19.1	19.4	20.2	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.9	20.8	20.8	20.8	20.8
≥ 18000	13.9	19.1	19.4	20.2	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
≥ 16000	13.9	19.1	19.4	20.2	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
≥ 14000	15.0	20.3	20.7	21.4	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
≥ 12000	15.3	20.8	21.2	22.0	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
≥ 10000	17.8	23.9	24.4	25.2	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
≥ 9000	18.0	24.0	24.5	25.3	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
≥ 8000	20.4	27.3	27.8	28.8	29.5	29.5	29.8	29.8	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9
≥ 7000	21.8	29.0	29.5	30.5	31.2	31.2	31.5	31.5	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6
≥ 6000	22.4	29.9	30.4	31.4	32.1	32.1	32.3	32.3	32.3	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 5000	23.7	32.3	33.1	34.3	35.1	35.1	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 4500	24.2	33.0	33.8	35.1	35.8	35.8	36.0	36.0	36.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 4000	25.5	35.3	36.5	37.8	38.6	38.6	38.9	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 3500	27.1	38.1	39.6	41.1	42.2	42.2	42.4	42.4	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 3000	28.9	41.8	43.7	45.4	46.6	46.6	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 2500	32.2	47.7	50.9	53.0	54.2	54.2	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 2000	36.3	55.2	58.9	61.4	62.7	62.7	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 1800	37.3	58.3	62.6	65.4	66.9	66.9	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 1500	38.5	61.5	66.7	69.9	71.5	71.6	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 1200	39.7	65.7	71.5	75.6	77.7	78.0	79.0	79.0	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2
≥ 1000	40.7	68.3	74.2	78.5	80.6	80.8	82.2	82.4	82.4	82.5	82.7	82.7	82.7	82.7	82.7	82.7
≥ 900	40.7	68.9	74.8	79.1	81.2	81.5	82.9	83.1	83.1	83.3	83.4	83.4	83.4	83.4	83.4	83.4
≥ 800	40.8	70.1	76.6	80.9	83.1	83.5	85.	85.5	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7
≥ 700	41.0	70.8	77.7	82.7	85.0	85.4	87.0	87.3	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6
≥ 600	41.0	71.7	78.7	84.0	86.7	87.1	88.8	89.2	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5
≥ 500	41.0	72.1	79.7	85.2	88.4	89.3	91.1	92.5	92.6	93.0	93.2	93.2	93.5	93.5	93.5	93.5
≥ 400	41.0	72.1	80.3	86.1	89.4	90.3	92.6	94.1	94.2	94.6	94.8	94.8	95.1	95.1	95.1	95.1
≥ 300	41.0	72.2	80.6	86.5	90.3	91.5	94.0	95.4	95.7	96.2	96.4	96.4	96.7	96.7	96.7	96.7
≥ 200	41.0	72.2	80.6	86.7	90.7	91.9	94.5	96.4	96.9	97.5	97.8	97.8	98.0	98.0	98.2	98.3
≥ 100	41.0	72.2	80.6	86.7	90.7	91.9	94.5	96.4	96.9	97.5	97.9	97.9	98.3	98.6	99.3	99.4
≥ 0	41.1	72.3	80.7	86.8	90.8	92.0	94.6	96.6	97.0	97.7	98.2	98.2	98.5	98.9	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 813

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

L NAL CLIMATOLOGY BRANCH
ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

25 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1600-0800 (HOURS LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	12.*	16.7	17.3	17.9	18.0	18.4	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
≥ 20000	14.1	18.5	19.1	19.8	20.0	20.3	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
≥ 18000	14.5	18.9	19.5	20.2	20.3	20.7	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
≥ 16000	14.5	18.9	19.5	20.2	20.3	20.7	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
≥ 14000	14.6	19.0	19.6	20.3	20.4	20.8	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0	21.0
≥ 12000	15.4	20.3	20.9	21.6	21.8	22.1	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
≥ 10000	17.7	23.2	23.9	24.7	24.8	25.2	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
≥ 9000	18.4	23.9	24.7	25.4	25.5	25.9	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
≥ 8000	19.5	26.2	27.0	27.9	28.1	28.4	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 7000	20.1	28.1	28.8	29.7	29.9	30.2	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 6000	20.9	29.0	29.7	30.7	30.8	31.2	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 5000	22.6	31.9	32.6	33.6	33.7	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 4500	23.2	33.3	34.2	35.2	35.3	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 4000	25.2	35.8	36.9	38.0	38.1	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 3500	27.1	38.9	40.7	42.2	42.3	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 3000	28.8	42.1	44.4	46.1	46.3	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 2500	31.4	47.4	50.7	53.1	53.4	54.1	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 2000	35.6	54.5	58.4	60.9	61.5	62.3	63.1	63.6	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 1800	37.1	57.6	61.9	64.8	65.4	66.1	67.0	67.5	67.5	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 1500	37.7	60.3	65.2	68.4	69.3	70.3	71.1	71.6	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 1200	38.8	63.1	68.9	73.2	74.4	75.7	76.8	77.9	77.9	78.4	78.5	78.5	78.5	78.5	78.5	78.5
≥ 1000	39.2	64.2	71.0	74.6	76.2	77.8	79.1	80.7	80.7	81.1	81.3	81.3	81.3	81.3	81.3	81.3
≥ 900	39.4	65.2	71.7	76.3	78.0	79.8	81.3	83.1	83.1	83.6	83.7	83.7	83.7	83.7	83.7	83.7
≥ 800	39.7	66.5	73.3	77.6	79.3	81.1	82.7	84.5	84.5	85.1	85.4	85.4	85.4	85.4	85.4	85.4
≥ 700	39.7	67.0	73.8	78.8	80.7	82.5	84.3	86.2	86.2	86.8	87.1	87.1	87.1	87.1	87.1	87.1
≥ 600	39.8	67.7	74.5	79.9	81.7	83.6	85.6	87.5	87.5	88.1	88.4	88.4	88.4	88.4	88.4	88.4
≥ 500	39.8	68.3	75.8	81.6	83.7	85.5	87.7	90.0	90.0	91.1	91.3	91.3	91.3	91.3	91.3	91.3
≥ 400	39.9	68.8	76.3	82.7	85.0	87.1	89.8	92.4	92.4	93.7	94.0	94.0	94.0	94.0	94.0	94.0
≥ 300	39.9	68.9	76.5	83.2	85.7	87.8	90.9	93.6	93.6	95.4	95.9	95.9	96.0	96.0	96.0	96.0
≥ 200	39.9	69.0	76.7	83.4	86.1	88.3	92.1	95.2	95.2	97.5	97.9	97.9	98.1	98.1	98.2	98.2
≥ 100	39.9	69.0	76.7	83.6	86.2	88.4	92.3	95.3	95.3	97.7	98.3	98.3	98.5	98.5	98.9	98.9
≥ 0	39.9	69.0	76.7	83.6	86.2	88.4	92.3	95.3	95.3	97.7	98.5	98.5	98.9	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 827

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

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
4[illegible] WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 25[illegible] (STATION) YOUNGSTOWN 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	1[illegible].7	14.1	14.7	15.0	15.2	15.4	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5	15.5
≥ 20000	15.2	20.3	21.0	21.6	21.7	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
≥ 18000	15.2	20.3	21.0	21.6	21.7	22.2	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3	22.3
≥ 16000	15.3	20.4	21.1	21.7	21.8	22.3	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
≥ 14000	15.9	21.0	21.7	22.3	22.5	22.9	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
≥ 12000	16.5	22.3	23.1	23.7	23.8	24.3	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
≥ 10000	17.8	24.0	24.9	25.5	25.6	26.1	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
≥ 9000	18.4	24.8	25.6	26.2	26.3	26.8	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9	26.9
≥ 8000	20.0	26.9	28.0	28.6	28.9	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 7000	20.1	27.7	28.8	29.5	29.7	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
≥ 6000	20.5	28.3	29.6	30.3	30.6	31.3	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
≥ 5000	22.1	30.2	31.7	32.4	32.6	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5	33.5
≥ 4500	22.8	31.2	32.6	33.4	33.6	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
≥ 4000	24.4	33.5	35.1	35.9	36.4	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 3500	26.1	35.6	37.4	38.2	38.8	39.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 3000	28.2	38.5	40.7	41.6	42.2	43.1	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 2500	30.5	42.2	44.5	45.8	46.6	47.6	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 2000	34.0	46.8	49.9	51.6	52.4	54.2	55.8	56.3	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 1800	35.7	49.0	52.4	54.4	55.2	57.0	58.7	59.3	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 1500	37.4	52.5	56.2	58.7	60.0	62.4	64.7	65.9	66.0	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 1200	38.2	55.6	59.7	62.9	64.4	67.2	70.8	72.7	72.8	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 1000	38.3	56.3	60.4	64.1	66.0	69.5	73.4	75.6	75.7	76.6	76.9	76.9	76.9	76.9	76.9	76.9
≥ 900	38.5	57.0	61.2	64.8	67.0	70.5	74.6	77.1	77.2	78.3	78.6	78.6	78.6	78.6	78.6	78.6
≥ 800	38.6	57.8	61.9	65.7	68.2	72.1	76.3	78.9	79.0	80.3	81.6	81.6	81.7	81.7	81.7	81.7
≥ 700	38.6	58.9	63.3	67.6	70.3	74.4	79.0	82.2	82.3	84.0	85.4	85.4	85.6	85.6	85.6	85.6
≥ 600	38.6	59.1	63.7	68.3	71.1	75.2	80.0	83.4	83.5	85.2	86.8	86.8	86.9	86.9	86.9	86.9
≥ 500	38.6	59.5	64.3	68.9	71.8	76.5	81.6	85.6	85.8	88.2	89.8	89.8	90.5	90.5	90.5	90.5
≥ 400	38.6	59.5	64.3	69.3	72.3	77.3	82.8	87.4	87.7	90.5	92.2	92.2	93.0	93.0	93.0	93.0
≥ 300	38.6	59.5	64.3	69.4	72.8	77.8	83.5	88.3	88.7	92.0	93.8	93.8	95.4	95.4	95.6	95.6
≥ 200	38.6	59.5	64.3	69.4	72.8	77.8	83.5	88.7	89.1	93.0	95.3	95.3	97.5	97.5	97.7	97.7
≥ 100	38.6	59.5	64.3	69.4	72.8	77.8	83.5	88.7	89.2	93.1	95.6	95.6	98.7	98.7	99.2	99.2
≥ 0	38.6	59.5	64.3	69.4	72.8	77.8	83.5	88.7	89.2	93.1	95.6	95.6	98.7	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 824

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

[illegible] CLIMATOLOGY BRANCH
[illegible]ETAC
[illegible]EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] (STATION) YOUNGSTOWN 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	≥1¾	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	12.5	15.2	15.6	15.9	16.0	16.0	16.0	16.0	16.0	16.1	16.1	16.1	16.1	16.1	16.1	16.1
≥ 20000	17.7	21.7	22.3	22.7	22.9	23.0	23.0	23.0	23.0	23.2	23.2	23.2	23.2	23.2	23.2	23.2
≥ 18000	17.9	21.9	22.5	22.9	23.2	23.3	23.3	23.3	23.3	23.4	23.4	23.4	23.4	23.4	23.4	23.4
≥ 16000	17.9	21.9	22.5	22.9	23.2	23.3	23.3	23.3	23.3	23.4	23.4	23.4	23.4	23.4	23.4	23.4
≥ 14000	18.2	22.4	23.	23.4	23.6	23.8	23.8	23.8	23.9	23.9	23.9	23.9	23.9	23.9	23.9	23.9
≥ 12000	20.0	24.2	24.8	25.2	25.5	25.6	25.6	25.6	25.6	25.7	25.7	25.7	25.7	25.7	25.7	25.7
≥ 10000	21.5	25.7	26.5	26.9	27.2	27.3	27.3	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.4	27.4
≥ 9000	21.9	26.7	27.5	27.9	28.1	28.2	28.2	28.2	28.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4
≥ 8000	22.9	28.1	29.0	29.3	29.6	29.7	29.7	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥ 7000	23.2	28.8	29.7	30.1	30.3	30.4	30.4	30.4	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 6000	23.3	29.1	30.1	30.4	30.7	30.8	30.8	30.8	30.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9
≥ 5000	24.4	31.5	32.7	33.1	33.5	33.6	33.6	33.6	33.6	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 4500	25.1	32.4	33.6	33.9	34.3	34.4	34.4	34.4	34.4	34.5	34.5	34.5	34.5	34.5	34.5	34.5
≥ 4000	25.8	33.2	34.4	34.8	35.2	35.3	35.3	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 3500	27.4	34.9	36.1	36.5	37.0	37.1	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 3000	30.2	38.1	39.3	39.6	40.1	40.5	40.5	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 2500	35.4	45.0	46.5	47.0	47.8	48.4	48.6	48.7	48.7	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 2000	51.2	54.2	56.5	57.5	58.4	59.3	59.9	60.0	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 1800	42.2	56.4	59.2	60.4	61.3	62.3	62.9	63.0	63.0	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 1500	43.5	60.4	64.0	65.7	67.2	68.6	69.7	70.5	70.5	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 1200	44.2	63.2	67.2	69.5	71.3	73.0	74.8	76.1	76.1	76.8	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1000	44.6	63.9	68.0	70.4	72.5	74.3	76.1	77.9	77.9	79.2	79.4	79.4	79.4	79.4	79.4	79.4
≥ 900	44.7	64.5	69.0	71.5	74.1	76.1	78.1	79.9	79.9	81.1	81.3	81.3	81.3	81.3	81.3	81.3
≥ 800	44.7	65.2	70.1	72.7	75.4	77.5	79.4	81.8	81.8	83.0	83.8	83.8	83.8	83.8	83.8	83.8
≥ 700	45.3	65.8	70.8	73.6	76.5	79.7	80.8	83.8	83.9	85.2	86.2	86.2	86.3	86.3	86.3	86.3
≥ 600	45.3	66.2	71.3	74.2	77.1	79.5	82.2	85.3	85.6	87.3	88.4	88.4	88.6	88.6	88.6	88.6
≥ 500	45.3	66.7	72.3	74.9	77.9	81.1	84.2	87.9	88.1	90.3	91.6	91.6	92.0	92.0	92.0	92.1
≥ 400	45.3	66.7	72.3	75.2	78.5	82.1	85.8	89.9	90.2	92.7	94.3	94.3	95.0	95.0	95.0	95.3
≥ 300	45.3	66.7	72.3	75.2	78.5	82.3	86.1	90.7	90.9	93.9	95.6	95.6	96.4	96.4	96.4	96.6
≥ 200	45.0	66.7	72.3	75.2	78.7	82.4	86.4	91.2	91.4	94.9	97.0	97.0	98.2	98.2	98.2	98.4
≥ 100	45.0	66.7	72.0	75.2	78.7	82.4	86.4	91.2	91.4	94.9	97.0	97.0	98.4	98.4	98.8	99.4
≥ 0	45.0	66.7	72.0	75.2	78.7	82.4	86.4	91.2	91.4	94.9	97.0	97.0	98.4	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 825

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

...L CLIMATOLOGY BRANCH
...ETAC
A... SAT-ER SERVICE/MAC

CEILING VERSUS VISIBILITY

...25 | YOUNGSTOWN MAP OH | 73-81 | DEC
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	≥½	≥⅜	≥5/16	≥¼	≥0
NO CEILING	1...?	13.4	13.7	13.8	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.2	14.?	14.0
≥ 20000	15.9	19.9	2?.3	20.5	2?.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
≥ 18000	16.5	2?.6	21.?	21.2	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
≥ 16000	16.5	2?.6	21.?	21.2	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
≥ 14000	16.5	2?.8	21.1	21.4	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
≥ 12000	17.2	21.7	22.2	22.5	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
≥ 10000	19.?	24.1	24.7	24.9	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
≥ 9000	19.8	24.9	25.6	25.9	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
≥ 8000	21.?	27.5	28.2	28.4	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
≥ 7000	22.6	28.6	29.3	29.5	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥ 6000	22.?	29.1	29.8	30.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
≥ 5000	24.1	31.3	32.1	32.4	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 4500	24.?	32.5	33.5	33.7	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥ 4000	25.?	34.8	35.9	36.3	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 3500	27.2	38.4	37.6	38.1	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 3000	30.3	41.3	42.5	43.3	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 2500	35.5	48.0	49.5	50.3	50.7	50.8	50.8	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 2000	42.6	57.5	59.7	61.2	61.5	61.9	62.1	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 1800	44.1	60.3	62.8	64.5	64.8	65.2	66.2	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 1500	45.4	63.4	66.?	68.4	69.1	69.7	71.7	72.0	72.?	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 1200	46.2	65.1	68.5	71.4	72.3	73.4	76.2	77.0	77.?	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1000	46.6	66.9	70.3	73.6	74.5	75.7	79.2	80.5	80.5	81.6	81.8	81.8	81.8	81.8	81.8	81.8
≥ 900	46.6	67.5	71.2	74.5	75.3	76.6	80.2	81.8	81.8	83.0	83.3	83.3	83.3	83.3	83.3	83.3
≥ 800	46.8	67.6	72.2	75.6	76.6	78.0	81.8	83.4	83.5	85.3	85.8	85.8	85.8	85.8	85.8	85.8
≥ 700	46.?	68.?	72.9	76.3	77.4	79.?	83.4	85.3	85.5	87.7	88.4	88.4	88.4	88.4	88.4	88.4
≥ 600	46.?	68.4	73.3	76.9	78.?	80.0	85.1	87.2	87.3	89.5	90.4	90.4	90.5	90.5	90.5	90.5
≥ 500	46.?	69.?	74.2	78.1	79.2	81.6	86.9	89.3	89.4	92.1	92.9	92.9	93.0	93.?	93.0	93.2
≥ 400	47.0	69.1	74.4	78.3	79.4	82.2	87.8	90.5	90.6	93.4	94.9	94.9	95.0	95.0	95.?	95.1
≥ 300	47.0	69.1	74.4	78.3	79.4	82.3	88.2	91.1	91.2	94.6	96.1	96.1	96.2	96.2	96.2	96.3
≥ 200	47.0	69.1	74.4	78.3	79.4	82.3	88.2	91.3	91.5	95.6	97.4	97.6	97.8	97.8	98.?	98.2
≥ 100	47.?	69.1	74.4	78.3	79.4	82.3	88.2	91.3	91.5	95.6	97.6	97.7	98.2	98.2	98.4	99.0
≥ 0	47.?	69.1	74.4	79.3	79.4	82.3	88.2	91.3	91.5	95.6	97.6	97.7	98.2	98.2	98.7	100.?

TOTAL NUMBER OF OBSERVATIONS 615

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

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

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
...	YOUNGSTOWN MAP OH	73-81	DEC

HOURS (LST): 18.0-2000

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1¾	≥1½	≥1¼	≥1	≥¾	≥5/16	≥¼	0
NO CEILING	12.9	16.1	16.3	16.6	16.6	16.8	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
≥ 20000	14.5	19.9	20.1	20.3	20.3	20.6	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
≥ 18000	15.1	20.1	20.3	20.6	20.6	20.8	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
≥ 16000	15.1	20.1	20.3	20.6	20.6	20.8	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
≥ 14000	15.1	20.1	20.3	20.6	20.6	20.8	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
≥ 12000	15.7	20.7	20.9	21.2	21.2	21.4	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
≥ 10000	17.9	24.0	24.2	24.5	24.5	24.7	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
≥ 9000	18.3	24.8	25.1	25.3	25.3	25.5	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
≥ 8000	26.0	27.1	27.4	27.6	27.6	27.8	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
≥ 7000	21.5	28.9	29.2	29.4	29.4	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥ 6000	32.2	29.5	29.8	30.0	30.0	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
≥ 5000	24.2	33.6	33.1	33.3	33.3	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 4500	24.2	34.7	34.6	34.9	34.9	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 4000	25.3	35.6	36.4	36.7	36.7	36.9	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 3500	28.7	38.9	39.8	40.1	40.1	40.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 3000	31.2	44.2	45.4	46.1	46.1	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 2500	34.5	48.9	51.6	51.5	51.7	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 2000	40.1	59.1	61.5	62.8	63.3	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 1800	41.9	62.2	65.3	66.7	67.3	67.6	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
≥ 1500	43.1	65.1	68.6	70.9	71.8	72.0	72.4	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9
≥ 1200	44.1	67.4	70.9	73.8	74.9	75.4	76.0	76.6	76.6	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1000	44.3	69.4	73.2	76.4	77.5	78.1	79.3	80.1	80.1	81.0	81.0	81.0	81.0	81.0	81.0
≥ 900	44.3	69.4	74.1	77.4	78.5	79.1	80.3	81.1	81.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 800	44.4	69.9	74.8	78.7	80.0	80.8	82.1	83.1	83.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 700	44.6	70.7	75.9	79.8	81.1	82.0	83.9	85.1	85.1	86.2	86.2	86.2	86.2	86.2	86.2
≥ 600	44.8	71.2	76.5	80.6	82.1	83.1	85.0	86.7	86.7	88.0	88.0	88.0	88.0	88.0	88.0
≥ 500	44.9	71.7	77.1	81.5	83.3	84.9	87.4	89.5	89.5	91.2	91.2	91.2	91.2	91.2	91.2
≥ 400	44.9	72.0	77.6	83.3	85.4	87.2	90.0	92.5	92.5	94.8	95.0	95.0	95.2	95.2	95.2
≥ 300	44.9	72.0	77.6	83.4	85.6	87.5	90.6	93.2	93.2	96.0	96.4	96.4	96.5	96.5	96.6
≥ 200	44.9	72.0	77.6	83.7	85.8	87.9	91.3	94.2	94.2	97.3	98.1	98.1	98.4	98.4	98.7
≥ 100	44.8	72.0	77.6	83.7	85.8	87.9	91.3	94.2	94.2	97.3	98.4	98.4	98.9	98.9	99.2
≥ 0	44.8	72.0	77.6	83.7	85.8	87.9	91.3	94.2	94.2	97.3	98.4	98.4	99.0	99.0	99.3

TOTAL NUMBER OF OBSERVATIONS 826

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

CEILING VERSUS VISIBILITY

... STATION | YOUNGSTOWN 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	≥1¾	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	14.1	17.5	18.3	18.5	18.5	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6
≥ 20000	15.6	21.3	21.9	22.0	22.0	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
≥ 18000	15.6	21.3	21.9	22.0	22.0	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
≥ 16000	15.6	21.3	21.9	22.0	22.0	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
≥ 14000	15.6	21.3	21.9	22.0	22.0	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
≥ 12000	16.1	21.6	22.5	22.6	22.6	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7	22.7
≥ 10000	18.3	24.7	25.6	25.7	25.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
≥ 9000	18.9	25.3	26.2	26.3	26.3	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4
≥ 8000	21.5	28.7	29.6	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥ 7000	23.1	30.2	31.1	31.2	31.2	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3	31.3
≥ 6000	24.0	31.1	31.9	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 5000	25.9	33.9	34.8	35.1	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
≥ 4500	26.2	34.1	35.1	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 4000	27.3	35.9	37.2	37.5	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 3500	28.1	38.7	39.4	39.7	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 3000	30.6	41.6	43.4	44.3	44.0	44.1	44.	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 2500	35.5	48.5	51.7	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 2000	39.5	56.3	58.4	59.9	60.1	60.3	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 1800	41.1	59.3	62.	63.6	63.8	63.9	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 1500	42.6	62.5	65.8	67.8	68.1	68.3	68.9	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 1200	43.4	66.3	70.2	73.3	73.6	74.1	75.1	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 1000	43.6	67.6	71.9	75.3	75.8	76.3	77.8	78.2	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 900	43.9	68.2	72.6	76.0	76.7	77.1	78.6	79.3	79.3	79.6	79.7	79.7	79.7	79.7	79.7	79.7
≥ 800	43.9	68.8	73.3	76.9	77.5	78.4	79.8	80.8	80.8	81.1	81.2	81.2	81.3	81.3	81.3	81.3
≥ 700	44.5	7[illegible].3	75.1	79.0	79.6	81.6	82.0	83.4	83.4	83.6	83.7	83.7	83.9	83.9	83.9	83.9
≥ 600	44.5	7[illegible].9	75.9	80.2	80.8	81.9	83.7	85.3	85.3	85.6	85.7	85.7	85.8	85.8	85.8	85.8
≥ 500	44.5	71.5	76.8	82.0	83.3	84.7	86.9	88.5	88.5	89.1	89.4	89.4	89.6	89.6	89.6	89.6
≥ 400	44.7	71.9	77.4	83.4	85.2	87.3	89.9	92.2	92.2	93.0	93.4	93.4	93.6	93.6	93.6	93.6
≥ 300	44.7	72.1	77.6	83.7	85.7	88.1	91.1	93.6	93.6	95.1	95.5	95.5	95.7	96.0	96.0	96.0
≥ 200	44.7	72.0	77.6	84.0	85.9	88.4	91.7	94.4	94.4	96.3	96.9	96.9	97.2	97.4	97.6	97.6
≥ 100	44.7	72.0	77.6	84.0	85.9	88.4	91.7	94.4	94.4	96.7	97.4	97.4	98.3	98.7	98.8	98.9
≥ 0	44.7	72.0	77.6	84.0	85.9	88.4	91.7	94.4	94.4	96.9	97.8	97.8	98.7	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 819

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

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

CEILING VERSUS VISIBILITY

... (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL (HOURS LST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	12.4	16.0	15.5	16.8	17.0	17.1	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
≥ 20000	15.4	20.2	20.8	21.2	21.4	21.5	21.6	21.6	21.6	21.6	21.5	21.6	21.6	21.6	21.6	21.6
≥ 18000	15.6	20.4	21.0	21.4	21.6	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 16000	15.6	20.4	21.0	21.4	21.6	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 14000	15.9	20.9	21.4	21.8	22.0	22.1	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
≥ 12000	16.7	21.9	22.4	22.8	23.0	23.2	23.2	23.2	23.2	23.3	23.3	23.3	23.3	23.3	23.3	23.3
≥ 10000	18.7	24.5	25.2	25.6	25.8	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
≥ 9000	19.2	25.1	25.9	26.2	26.4	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 8000	21.1	27.7	28.4	28.9	29.1	29.3	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 7000	22.1	29.1	29.8	30.3	30.5	30.7	30.8	30.8	30.8	30.6	30.8	30.8	30.8	30.8	30.8	30.8
≥ 6000	22.6	29.7	30.5	31.0	31.2	31.4	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
≥ 5000	24.2	32.3	33.2	33.7	34.0	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
≥ 4500	24.8	33.3	34.3	34.8	35.1	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 4000	26.1	35.2	36.3	37.0	37.3	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 3500	27.6	37.5	38.9	39.6	40.0	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 3000	37.1	41.4	43.1	44.1	44.4	44.7	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 2500	33.9	47.3	49.3	50.5	51.0	51.4	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 2000	38.6	54.9	57.8	59.5	60.1	60.7	61.2	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 1800	39.9	57.6	61.0	63.0	63.7	64.2	64.9	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 1500	41.2	60.8	64.7	67.2	68.2	69.0	70.0	70.5	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 1200	42.1	63.9	68.4	71.7	72.9	74.0	75.6	76.5	76.5	76.9	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1000	42.6	65.5	70.2	73.8	75.1	76.3	78.4	79.5	79.5	80.1	80.3	80.3	80.3	80.3	80.3	80.3
≥ 900	42.7	66.1	71.1	74.7	76.2	77.5	79.6	80.9	80.9	81.6	81.7	81.7	81.7	81.7	81.7	81.7
≥ 800	42.8	66.8	72.1	75.9	77.5	79.0	81.2	82.6	82.6	83.4	83.8	83.8	83.8	83.8	83.8	83.8
≥ 700	43.0	67.7	73.3	77.4	79.1	80.6	83.1	84.8	84.9	85.8	86.3	86.3	86.3	86.3	86.3	86.3
≥ 600	43.1	68.4	74.0	78.4	80.3	81.9	84.7	86.6	86.7	87.7	88.2	88.2	88.3	88.3	88.3	88.3
≥ 500	43.1	68.8	74.8	79.6	81.7	83.8	86.9	89.3	89.4	90.8	91.4	91.4	91.6	91.6	91.6	91.7
≥ 400	43.1	69.0	75.1	80.4	82.8	85.2	88.6	91.4	91.6	93.2	94.0	94.0	94.3	94.3	94.3	94.3
≥ 300	43.1	69.1	75.3	80.7	83.3	85.9	89.6	92.6	92.8	94.8	95.7	95.7	96.1	96.2	96.2	96.3
≥ 200	43.1	69.1	75.3	80.8	83.5	86.1	90.1	93.4	93.6	96.1	97.2	97.2	97.8	97.9	98.0	98.1
≥ 100	43.1	69.1	75.3	80.8	83.6	86.2	90.1	93.5	93.7	96.2	97.5	97.6	98.5	98.6	99.0	99.3
≥ 0	43.2	69.1	75.3	80.8	83.6	86.2	90.1	93.5	93.7	96.3	97.6	97.7	98.6	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 6578

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

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[redacted] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | ALL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥0	≥0
NO CEILING	25.2	30.1	31.7	33.2	34.0	34.6	35.3	35.5	35.5	35.7	35.7	35.7	35.8	35.8	35.9	36.0
≥ 20000	26.6	35.0	37.0	38.7	39.7	40.5	41.2	41.5	41.5	41.7	41.8	41.8	41.9	41.9	41.9	42.0
≥ 18000	26.6	35.1	37.1	38.8	39.8	40.6	41.3	41.6	41.6	41.8	41.9	41.9	42.0	42.0	42.1	42.1
≥ 16000	26.7	35.1	37.1	38.8	39.8	40.6	41.3	41.6	41.6	41.9	41.9	41.9	42.0	42.0	42.1	42.2
≥ 14000	26.9	35.5	37.5	39.2	40.2	41.0	41.8	42.1	42.1	42.3	42.4	42.4	42.4	42.5	42.5	42.6
≥ 12000	27.8	36.8	38.6	40.6	41.7	42.5	43.3	43.6	43.6	43.8	43.9	43.9	44.0	44.0	44.0	44.1
≥ 10000	29.6	39.3	41.6	43.5	44.6	45.6	46.4	46.7	46.7	46.9	47.0	47.0	47.1	47.1	47.2	47.2
≥ 9000	29.9	39.8	42.1	44.0	45.2	46.1	46.9	47.2	47.2	47.5	47.6	47.6	47.7	47.7	47.7	47.8
≥ 8000	31.0	41.5	43.9	46.0	47.2	48.2	49.1	49.4	49.4	49.6	49.7	49.7	49.8	49.8	49.9	50.0
≥ 7000	31.6	42.6	45.0	47.1	48.4	49.4	50.3	50.7	50.7	50.9	51.0	51.0	51.1	51.1	51.1	51.2
≥ 6000	32.1	43.2	45.7	47.9	49.1	50.2	51.1	51.5	51.5	51.7	51.8	51.8	51.9	51.9	52.0	52.0
≥ 5000	33.8	46.0	48.6	50.9	52.3	53.4	54.4	54.8	54.8	55.1	55.2	55.2	55.3	55.3	55.3	55.4
≥ 4500	35.7	47.7	50.5	52.8	54.2	55.5	56.5	56.9	56.9	57.1	57.2	57.2	57.3	57.3	57.4	57.5
≥ 4000	37.1	50.8	53.8	56.3	57.9	59.2	60.3	60.7	60.7	61.0	61.1	61.1	61.2	61.2	61.3	61.3
≥ 3500	38.8	53.2	56.4	59.1	60.7	62.2	63.3	63.7	63.7	64.0	64.1	64.1	64.2	64.2	64.3	64.4
≥ 3000	40.9	56.4	59.9	62.8	64.6	66.1	67.3	67.8	67.8	68.1	68.2	68.2	68.3	68.3	68.4	68.5
≥ 2500	43.2	60.1	64.1	67.2	69.1	70.8	72.1	72.7	72.7	73.0	73.1	73.1	73.2	73.2	73.3	73.3
≥ 2000	45.4	63.9	68.1	71.7	73.8	75.7	77.2	77.8	77.8	78.2	78.3	78.3	78.4	78.4	78.5	78.5
≥ 1800	46.1	65.3	69.8	73.5	75.6	77.6	79.2	79.8	79.9	80.2	80.3	80.3	80.4	80.5	80.5	80.6
≥ 1500	46.9	67.0	71.7	75.6	78.0	80.1	81.9	82.6	82.6	83.0	83.2	83.2	83.3	83.3	83.4	83.4
≥ 1200	47.5	68.7	73.6	78.1	80.5	82.9	84.9	85.9	85.9	86.4	86.6	86.6	86.7	86.7	86.8	86.8
≥ 1000	47.8	69.4	74.6	79.3	81.9	84.4	86.6	87.7	87.8	88.4	88.6	88.6	88.7	88.7	88.8	88.8
≥ 900	47.9	69.9	75.2	80.0	82.7	85.3	87.6	88.8	88.9	89.5	89.8	89.8	89.9	89.9	89.9	90.0
≥ 800	48.1	70.3	75.7	80.7	83.4	86.2	88.6	89.9	90.0	90.7	91.0	91.0	91.1	91.1	91.2	91.3
≥ 700	48.1	71.1	76.3	81.4	84.3	87.1	89.7	91.2	91.2	92.0	92.3	92.3	92.5	92.5	92.5	92.6
≥ 600	48.1	71.3	76.6	81.9	84.9	87.9	90.7	92.2	92.3	93.1	93.5	93.5	93.7	93.7	93.8	93.8
≥ 500	48.1	71.2	77.0	82.5	85.6	88.8	91.8	93.6	93.6	94.6	95.1	95.1	95.3	95.3	95.4	95.4
≥ 400	48.2	71.3	77.2	82.9	86.1	89.5	92.8	94.8	94.8	96.0	96.5	96.5	96.8	96.8	96.9	97.0
≥ 300	48.2	71.4	77.3	83.1	86.4	89.9	93.3	95.5	95.6	97.0	97.6	97.6	97.9	97.9	98.0	98.1
≥ 200	48.2	71.4	77.3	83.1	86.5	90.0	93.6	95.8	95.9	97.5	98.2	98.3	98.7	98.7	98.9	99.0
≥ 100	48.2	71.4	77.3	83.1	86.5	90.0	93.6	95.9	96.0	97.6	98.4	98.5	99.0	99.0	99.3	99.5
0	48.2	71.4	77.3	83.1	86.5	90.0	93.6	95.9	96.0	97.6	98.5	98.5	99.0	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 76342

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

PART D SKY COVER

Stations that report both synoptic and airways observations have had their sky cover reports converted into airways. The synoptic hours have significantly lower observation counts than the airways, hence, a small percentage of observations were reported in the 1/10, 4/10, 5/10, 6/10, and 8/10 categories. In order to use this data more beneficially we have combined:

1/10, 4/10, and 5/10 into the 3/10 (scattered) category
6/10 and 8/10 into the 9/10 (broken) category
0/10 is the clear category
10/10 is the overcast category

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

(72 25) | YOUNGSTOWN MAP OH | 73-81 | JAN

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		
JAN	00-02	15.3			7.2						9.9	67.6	7.9	821
	03-05	14.4			5.3						7.2	73.1	8.1	810
	06-08	8.1			7.9						8.6	75.3	8.5	823
	09-11	4.0			10.4						15.1	70.6	8.7	810
	12-14	2.4			10.3						19.9	67.3	8.8	823
	15-17	4.4			9.5						18.0	68.0	8.7	820
	18-20	8.7			11.1						14.3	65.9	8.2	826
	21-23	11.8			8.0						12.8	67.4	8.1	825
TOTALS		8.6			8.7						13.2	69.4	8.4	6558

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

72-257 | YOUNGSTOWN 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	20.3			9.2						10.1	60.4	7.2	750
	03-05	17.5			7.2						9.8	65.5	7.6	733
	06-08	13.2			7.7						14.2	64.9	8.0	744
	09-11	8.9			14.7						16.8	59.6	7.9	730
	12-14	5.9			13.4						24.3	56.5	8.2	749
	15-17	6.3			14.5						21.0	58.2	8.2	752
	18-20	11.8			15.4						17.1	55.7	7.6	748
	21-23	17.1			10.8						14.8	57.2	7.4	748
TOTALS		12.6			11.6						16.0	59.8	7.8	5954

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

72-250	YOUNGSTOWN MAP OH	73-81	MAR
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		
MAR	00-02	19.5			10.3						11.0	59.2	7.2	817
	03-05	20.4			6.6						11.0	62.0	7.4	799
	06-08	13.6			12.4						11.3	62.6	7.7	821
	09-11	10.6			10.9						19.1	59.4	8.0	822
	12-14	10.0			10.4						19.4	60.2	8.1	816
	15-17	9.4			12.0						16.5	62.1	8.1	818
	18-20	12.1			12.7						17.3	58.0	7.7	821
	21-23	18.3			11.5						12.1	58.2	7.2	820
TOTALS		14.2			10.9						14.7	60.2	7.7	6534

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

725251	YOUNGSTOWN MAP OH	73-81	APR
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		
APR	00-02	28.4			11.3						11.6	48.7	6.2	795
	03-05	28.1			12.6						11.7	47.5	6.2	783
	06-08	18.2			17.2						17.6	46.9	6.8	795
	09-11	14.5			14.8						18.4	52.4	7.3	800
	12-14	11.4			15.4						21.9	51.3	7.6	798
	15-17	11.2			17.8						22.0	49.1	7.4	797
	18-20	16.0			16.8						19.5	47.6	7.0	798
	21-23	26.3			12.3						12.3	49.0	6.4	794
TOTALS		19.3			14.8						16.9	49.1	6.9	6360

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SKY COVER

/2250 (STATION) | YOUNGSTOWN 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	32.3			15.0						11.9	40.8	5.6	773
	03-05	31.6			13.6						12.8	41.9	5.8	763
	06-08	22.0			13.9						18.6	45.4	6.6	821
	09-11	16.7			14.9						20.2	48.2	7.1	812
	12-14	8.7			18.3						28.9	44.1	7.6	824
	15-17	12.2			20.2						21.8	45.8	7.1	818
	18-20	16.3			20.5						20.5	42.7	6.7	824
	21-23	29.6			15.4						13.6	41.3	5.8	786
TOTALS		21.2			16.5						18.5	43.8	6.5	6421

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

72-25 | YOUNGSTOWN MAP OH | 73-81 | JUN

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		
JUN	00-02	35.6			17.8						16.1	30.5	5.0	702
	03-05	31.7			19.0						14.8	34.4	5.4	688
	06-08	20.8			20.8						22.1	36.3	6.2	793
	09-11	15.0			19.6						28.8	36.6	6.8	787
	12-14	5.9			22.6						37.2	34.3	7.5	801
	15-17	7.1			26.6						30.3	35.9	7.1	785
	18-20	15.1			27.9						24.9	32.2	6.3	796
	21-23	25.9			25.7						15.0	33.4	5.5	734
TOTALS		19.6			22.5						23.7	34.2	6.2	6086

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SKY COVER

STATION	STATION NAME	PERIOD	MONTH
[illegible] 25	YOUNGSTOWN MAP OH	73-81	JUL

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	45.3			15.5						12.9	26.3	4.3	727
	03-05	39.5			16.6						14.0	29.9	4.7	709
	06-08	23.9			23.9						20.9	31.3	5.7	804
	09-11	15.6			27.1						27.4	29.8	6.3	818
	12-14	6.9			24.8						35.9	32.4	7.2	822
	15-17	8.7			31.1						29.1	31.1	6.7	817
	18-20	20.8			28.1						26.3	24.8	5.7	828
	21-23	33.3			25.4						16.7	24.5	4.7	759
TOTALS		24.3			24.1						22.9	28.8	5.7	6284

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SKY COVER

12-25	YOUNGSTOWN 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	34.0			16.4						12.3	37.3	5.3	721
	03-05	29.4			15.4						10.5	44.8	5.9	708
	06-08	15.4			20.0						20.1	44.4	6.9	810
	09-11	11.8			21.4						24.2	42.6	7.1	807
	12-14	3.5			20.4						36.9	39.1	7.8	818
	15-17	5.5			23.2						34.9	36.4	7.5	814
	18-20	15.6			25.1						25.2	34.1	6.4	816
	21-23	27.6			20.2						18.8	33.4	5.6	751
TOTALS		17.5			20.3						22.9	39.0	6.6	6245

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

2-250 | YOUNGSTOWN MAP OH | 73-81 | SEP
STATION | STATION NAME | PERIOD | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	35.4			15.2						14.1	35.4	5.3	752
	03-05	33.3			11.2						13.8	39.7	5.6	745
	06-08	23.0			17.7						17.2	42.1	6.3	786
	09-11	17.4			16.3						23.2	43.1	6.9	789
	12-14	9.9			18.0						29.5	42.6	7.5	799
	15-17	12.1			22.0						27.5	38.4	7.0	792
	18-20	23.5			22.2						19.5	34.8	5.9	796
	21-23	35.2			13.5						13.7	37.6	5.4	769
TOTALS		23.7			17.3						19.8	39.2	6.2	6228

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

SKY COVER

25	YOUNGSTOWN MAP OH	73-81	OCT
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	34.1			9.5						11.3	45.1	5.8	813
	03-05	33.0			9.0						11.9	46.2	6.0	801
	06-08	20.2			16.4						19.0	44.4	6.6	817
	09-11	15.5			19.2						19.7	45.7	6.9	819
	12-14	11.5			17.5						22.1	48.9	7.4	828
	15-17	13.1			17.1						22.7	47.1	7.3	819
	18-20	21.4			17.4						19.0	42.2	6.5	822
	21-23	29.8			13.6						12.2	44.3	5.9	821
TOTALS		22.3			15.0						17.2	45.5	6.6	6540

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

2-257	YOUNGSTOWN 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	00-02	18.8			11.1						9.8	60.3	7.2	786
	03-05	19.0			8.3						10.6	62.2	7.4	775
	06-08	14.0			9.5						13.6	62.9	7.8	793
	09-11	9.5			11.1						16.0	63.4	8.1	796
	12-14	7.3			14.6						15.9	62.2	8.1	799
	15-17	8.8			13.6						18.1	59.5	8.0	792
	18-20	16.6			9.5						15.0	59.0	7.5	802
	21-23	19.5			8.0						10.3	62.3	7.4	790
TOTALS		14.2			10.7						13.7	61.5	7.7	6333

0-9-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

72 25	YOUNGSTOWN MAP OH	73-81	DEC
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		
DEC	00-02	13.7			7.6						9.9	71.8	8.3	826
	03-05	12.0			5.8						9.3	72.9	8.3	814
	06-08	7.7			10.4						10.5	71.3	8.4	827
	09-11	5.8			8.4						13.6	72.2	8.7	825
	12-14	4.4			8.5						18.9	68.3	8.8	827
	15-17	3.0			7.2						18.0	71.8	9.0	822
	18-20	7.7			7.1						14.3	70.8	8.6	826
	21-23	8.9			7.2						11.1	72.8	8.5	819
TOTALS		7.5			7.8						13.2	71.5	8.6	6586

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

12825	YOUNGSTOWN MAP OH	73-81	ALL
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		
JAN	ALL	8.6			8.7						13.2	69.4	8.4	6558
FEB		12.6			11.6						16.0	59.8	7.8	5954
MAR		14.2			10.9						14.7	60.2	7.7	6534
APR		19.3			14.8						16.9	49.1	6.9	6360
MAY		21.2			16.5						18.5	43.8	6.5	6421
JUN		19.6			22.5						23.7	34.2	6.2	6086
JUL		24.3			24.1						22.9	28.8	5.7	6284
AUG		17.9			20.3						22.9	39.0	6.6	6245
SEP		23.7			17.3						19.8	39.2	6.2	6228
OCT		22.3			15.0						17.2	45.5	6.6	6540
NOV		14.2			10.7						13.7	61.5	7.7	6333
DEC		7.5			7.8						13.2	71.5	8.6	6586
TOTALS		17.1			15.0						17.7	50.2	7.1	76129

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

E

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 (ΣX^2), sums of values (ΣX), means ($\bar{X}$), and standard deviations (σx). 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

[illegible]25[illegible] YOUNGSTOWN MAP OH 49-64, 66-81
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
≥ 100							.1						.0
≥ 95						.3	.6	.5	.5				.2
≥ 90					.5	4.5	8.4	4.2	2.2				1.7
≥ 85				.4	4.5	22.4	31.1	22.5	8.9	.6			7.6
≥ 80			.2	4.2	16.3	46.7	65.2	57.0	24.9	4.1	.1		18.4
≥ 75			.9	10.8	33.1	69.0	87.1	82.2	43.5	13.1	.3		28.5
≥ 70	.1		3.0	20.1	49.6	84.8	96.9	95.1	64.4	26.8	2.5		37.2
≥ 65	.2	.6	7.8	30.8	65.2	94.1	99.3	99.2	82.7	41.5	9.7	.5	44.5
≥ 60	1.2	1.4	13.5	46.1	78.8	98.1	99.9	99.9	94.3	58.5	18.1	3.2	51.3
≥ 55	4.7	5.1	21.7	58.3	90.8	99.5	100.0	100.0	98.2	74.1	29.5	8.2	57.8
≥ 50	9.4	10.2	33.3	72.0	96.3	100.0			99.8	87.0	43.1	13.6	64.0
≥ 45	15.0	19.1	44.7	84.0	99.1				100.0	94.2	58.2	20.5	69.8
≥ 40	25.8	30.3	59.1	93.5	99.9					98.5	72.2	32.8	76.2
≥ 35	39.9	48.0	75.1	98.1	100.0					99.8	85.7	49.9	83.2
≥ 30	56.6	67.5	88.7	99.6						100.0	95.3	69.5	89.8
≥ 25	72.8	80.4	96.1	100.0							99.1	85.4	94.5
≥ 20	84.1	89.3	99.0								99.7	93.9	97.2
≥ 15	93.0	95.4	99.8								100.0	98.1	98.9
≥ 10	97.9	98.6	100.0									99.4	99.7
≥ 5	99.3	99.8										100.0	99.9
≥ 0	99.7	100.0											100.0
≥ -5	100.0												100.0
MEAN	31.9	34.2	44.1	57.9	68.7	77.8	81.3	80.0	72.9	61.8	47.6	35.8	57.8
S.D.	12.208	11.673	12.740	12.479	10.279	7.929	6.067	5.939	8.671	10.684	11.741	11.317	20.610
TOTAL OBS.	989	904	992	960	992	960	992	992	960	992	960	992	11685

USAFETAC FORM JUL 64 0-21-3 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
[illegible] YOUNGSTOWN MAP OH 49-64, 66-81
STATION STATION NAME YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
[illegible]						.1	.1						.0
70						1.2	3.2	2.6	.3				.6
65					.4	13.9	23.8	17.2	7.5	.2			5.3
60				1.8	7.4	34.3	51.0	45.4	19.7	2.5	.4		13.6
55	.1		.2	5.6	19.4	55.1	75.8	70.9	36.6	9.3	2.0	.1	23.1
50	.4	.1	1.9	12.5	36.2	76.5	92.8	88.6	56.4	18.2	4.7	.8	32.6
45	.6	1.0	4.0	22.5	52.0	90.4	98.8	98.0	76.6	34.6	10.4	1.6	41.1
40	1.7	2.3	10.7	36.5	72.8	97.5	100.0	100.0	90.9	56.8	21.5	3.8	49.8
35	5.8	7.1	20.5	53.4	90.0	99.8			99.1	79.8	37.5	10.7	58.9
33	8.7	10.5	25.9	62.6	94.3	99.9			99.7	85.7	45.8	15.6	62.6
30	15.4	19.0	36.9	76.0	98.6	100.0			99.9	93.7	62.1	25.4	69.1
25	31.2	33.0	57.2	92.4	99.8				100.0	98.9	83.0	43.3	78.4
20	45.7	50.4	75.7	98.1	100.0					100.0	93.2	63.6	85.7
15	58.6	64.2	89.1	99.8							97.2	77.5	90.6
10	73.5	77.2	95.6	100.0							98.5	88.0	94.5
5	83.9	86.0	98.4								99.7	94.8	96.9
0	93.0	92.8	99.8								100.0	97.7	98.6
-5	97.2	97.3	100.0									99.5	99.5
-10	99.1	99.4										100.0	99.9
-15	99.9	100.0											100.0
-20	100.0												100.0
MEAN	17.3	18.4	26.5	36.9	45.9	55.4	59.4	58.2	51.3	41.7	32.5	22.4	38.8
S D	11.905	11.851	9.998	9.855	8.885	7.888	6.333	6.575	8.568	8.566	9.509	10.535	17.486
TOTAL OBS	989	904	992	960	992	960	992	992	960	992	960	992	11685

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
72250 YOUNGSTOWN MAP OH 49-64, 66-81
STATION STATION NAME YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥ 85						.2							.0
≥ 80						1.8	3.9	2.7	.7				.8
≥ 75					1.5	15.2	27.1	16.4	7.0				5.6
≥ 70				2.5	10.3	39.4	59.1	50.4	20.0	2.4	.1		15.5
≥ 65	.1		.3	7.6	24.4	63.3	84.4	80.6	38.7	8.4	.5		25.9
≥ 60			1.9	15.4	42.6	82.8	98.3	95.3	62.4	21.5	3.5	.2	35.5
≥ 55	.3	.4	5.7	27.0	62.3	94.1	99.9	99.9	83.1	38.8	9.3	.8	43.7
≥ 50	1.0	1.7	12.1	41.4	79.8	99.0	100.0	100.0	95.0	59.4	17.8	2.7	51.1
≥ 45	4.0	5.4	20.1	55.4	92.6	99.9			99.4	78.5	33.3	7.7	58.3
≥ 40	10.2	11.3	31.9	76.1	99.0	100.0			100.0	92.3	51.2	16.0	65.9
≥ 35	20.0	25.0	51.2	90.6	99.9					97.9	69.6	29.7	73.9
≥ 30	36.0	41.3	70.9	97.7	100.0					99.8	87.3	48.3	81.9
≥ 25	52.8	58.2	85.0	99.4						100.0	94.7	69.2	88.4
≥ 20	66.7	74.7	93.7	100.0							98.5	82.8	93.1
≥ 15	79.9	85.0	98.3								99.6	92.2	96.3
≥ 10	90.3	92.3	99.8								99.9	97.2	98.3
≥ 5	96.2	97.0	99.9								100.0	99.1	99.4
≥ 0	98.7	99.1	100.0									99.9	99.8
≥ -5	99.8	100.0										100.0	100.0
≥ -10	100.0												100.0
MEAN	24.9	26.6	35.6	47.6	57.6	66.8	70.6	69.3	62.3	52.0	40.3	29.3	48.6
S.D.	11.561	11.234	10.759	10.510	8.837	7.261	5.498	5.516	7.939	8.873	10.047	10.409	18.713
TOTAL OBS.	989	904	992	960	992	960	992	992	960	992	960	992	11685

USAFETAC FORM JUL 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)

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 49-64, 66-81 (YEARS)

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	* 58	63	71	77	90	92	96	93	85	87	73	62	96
50	71	47	76	71	85	90	88	92	82	81	79	54	92
51	61	62	67	80	84	88	88	91	86	87	66	60	91
52	62	53	66	80	78	99	94	89	95	85	69	64	95
53	57	58	67	75	84	92	90	97	96	84	69	61	97
54	57	65	68	84	85	92	100	90	99	83	70	55	100
55	57	55	68	77	86	86	92	95	90	78	70	60	95
56	48	56	64	79	86	92	90	88	85	80	71	66	92
57	54	65	69	85	82	91	91	91	90	72	65	58	91
58	45	53	58	82	83	87	88	86	85	78	72	51	88
59	59	62	70	77	87	92	91	92	92	82	67	58	92
60	56	56	72	85	82	86	88	87	88	79	65	60	88
61	50	67	72	74	83	88	89	89	88	79	80	60	89
62	54	56	75	83	92	88	90	90	87	81	63	61	92
63	47	47	76	81	88	91	90	82	83	84	63	45	91
64	53	45	65	81	88	90	91	87	92	79	71	63	92
66	52	51	76	77	84	92	97	86	87	77	66	65	97
67	62	56	75	77	87	92	86	86	80	81	62	64	92
68	43	51	72	76	74	89	90	92	85	80	73	57	92
69	58	48	69	80	87	91	88	89	85	83	59	38	91
70	52	51	54	85	85	87	88	89	88	77	62	62	89
71	53	60	67	79	85	95	90	88	88	81	70	69	95
72	62	52	67	75	83	85	90	87	82	71	62	60	90
73	59	57	70	77	77	88	91	93	90	76	65	60	93
74	59	52	72	82	84	87	92	85	78	74	72	46	92
75	60	59	65	74	86	88	92	93	76	81	74	62	93
76	49	66	80	87	80	88	88	86	87	74	61	52	88
77	30	62	80	82	88	87	93	89	88	74	75	58	93
78	47	36	60	79	86	88	92	88	93	75	70	58	93
79	59	47	72	81	88	85	88	86	85	80	70	61	88
MEAN													
S.D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)
(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

72:252 YOUNGSTOWN MAP OH 49-64, 66-81
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
80	52	51	59	74	85	89	92	86	89	74	66	58	92
81	47	59	74	79	85	91	94	85	85	72	67	50	94
MEAN	54.0	55.3	69.3	79.2	84.6	89.6	90.8	89.0	87.2	79.0	68.3	58.1	92.3
S.D.	7.592	7.048	6.080	3.841	3.653	3.005	2.985	3.287	4.939	4.307	5.071	6.520	3.035
TOTAL OBS	989	904	992	960	992	960	992	992	960	992	960	992	11685

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A) # (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

72525 YOUNGSTOWN MAP OH 49-64, 66-81
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	* 0	7	10	22	30	35	55	45	36	26	13	10	* 0
50	11	4	3	11	28	36	51	43	37	32	6	-7	-7
51	4	-11	15	26	37	44	49	44	37	32	9	-9	-11
52	3	10	11	28	33	44	50	43	37	21	10	12	3
53	7	5	11	24	39	44	44	45	35	27	16	5	5
54	0	7	10	16	31	45	46	47	35	28	23	8	0
55	-3	-3	9	23	34	46	52	48	39	29	6	8	-3
56	3	8	13	22	30	44	50	47	33	29	13	12	3
57	-12	11	15	22	29	44	48	48	29	27	18	9	-12
58	5	-7	18	20	34	35	51	42	39	29	1	-5	-7
59	-4	-4	11	22	32	42	48	47	30	27	8	9	-4
60	13	9	2	21	34	44	46	49	39	27	19	-5	-5
61	-13	-11	11	20	29	41	46	47	34	32	23	-5	-11
62	-9	-4	2	18	34	44	46	46	36	25	19	-5	-9
63	-18	-11	11	26	25	40	44	44	35	29	20	-5	-18
64	-6	6	10	14	35	37	48	45	35	26	11	8	-6
66	-7	3	6	27	24	33	47	48	35	27	16	1	-7
67	1	-5	1	19	30	40	48	42	34	22	15	7	-5
68	-9	-9	9	19	26	38	42	46	39	28	25	5	-9
69	0	4	8	22	30	40	44	43	35	20	15	4	0
70	-7	-6	9	22	24	40	46	48	35	30	13	10	-7
71	-6	-8	12	20	30	44	44	42	36	35	4	12	-8
72	-11	-7	4	15	33	30	44	44	37	22	22	11	-11
73	5	-3	19	23	32	46	46	43	33	35	24	12	-3
74	2	5	3	18	31	46	45	48	34	28	16	14	2
75	6	-8	10	19	37	44	49	45	39	21	22	6	-8
76	-6	-6	15	20	30	48	51	41	35	24	1	-6	-6
77	-15	-9	15	17	31	36	47	44	43	30	12	-2	-15
78	2	-9	-1	23	25	37	44	52	35	26	20	12	-9
79	-6	-14	8	22	30	37	43	42	37	22	21	9	-14
MEAN													
S.D.													
TOTAL OBS													

NOTES * (BASED ON LESS THAN FULL MONTHS)

(AT LEAST ONE DAY LESS THAN 24 OBS)

USAF ETAC FORM JUL 64 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

72250 YOUNGSTOWN MAP OH 49-64, 66-81
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
80	3	-2	-2	18	32	35	45	50	38	28	19	-4	-4
81	-7	-7	13	25	32	42	47	41	35	27	20	10	-7
MEAN	-2.3	-2.0	9.0	20.8	31.0	40.7	47.1	45.3	35.8	27.2	15.0	4.4	-6.2
S.D.	7.542	7.377	5.285	3.793	3.676	4.484	2.983	2.774	2.705	3.816	6.720	7.215	5.433
TOTAL OBS	989	904	992	960	992	960	992	992	960	992	960	992	11685

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM JUL 64 0-88-5 (OL A) # (AT LEAST ONE DAY LESS THAN 24 OBS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72-25 STATION | YOUNGSTOWN 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
/ 59				.2														2	2		
5 / 55			.4															3	3		
/ 53																				3	
/ 51			.1															1	1	2	1
5 / 49	.1	.1	.4	.1	.1													7	7	1	3
/ 47		.2			.2													4	4	4	3
4 / 45	.1	.1		.6	.6													12	12	4	2
4/ 43		.4	.1	.1														5	5	4	4
/ 41	.4	.7		.2		.1												12	12	9	9
4 / 39	.1	1.1	.2	.6		.2												19	19	17	4
3 / 37	.2	1.3	.4	.4														19	19	16	9
/ 35	.1	3.5	1.1	.4														41	41	18	10
3 / 33		2.9	1.0	1.0														40	40	35	14
/ 31		3.8	1.5	.1														44	44	41	30
/ 29		4.7	2.2															57	57	44	32
/ 27	.5	5.7	.7	.2														59	59	70	30
/ 25		6.2	.7															57	57	58	49
/ 23	.1	2.6	.6															27	27	58	31
2/ 21	.5	2.7	.7															32	32	41	62
/ 19	.2	4.9	1.1															51	51	32	69
/ 17	1.2	4.3	.1															44	44	49	29
1 / 15	.1	4.7																40	40	40	49
/ 13	.4	4.0	.1															37	37	38	28
1 / 11	1.7	4.7																53	53	52	54
/ 9	1.6	4.5																50	50	60	45
/ 7	.4	2.2																21	21	35	42
/ 5	.7	.2																8	8	14	42
/ 3	.5	1.5																16	16	7	45
/ 1	1.8	1.7																29	29	31	35
/ -1	1.3	.2																13	13	18	18
- / -3	.5	.2																6	6	8	18
- / -5	.7																	6	6	6	17
- / -7	.1																	1	1	1	17
- / -9																					4

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

72-2 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JAN MONTH

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

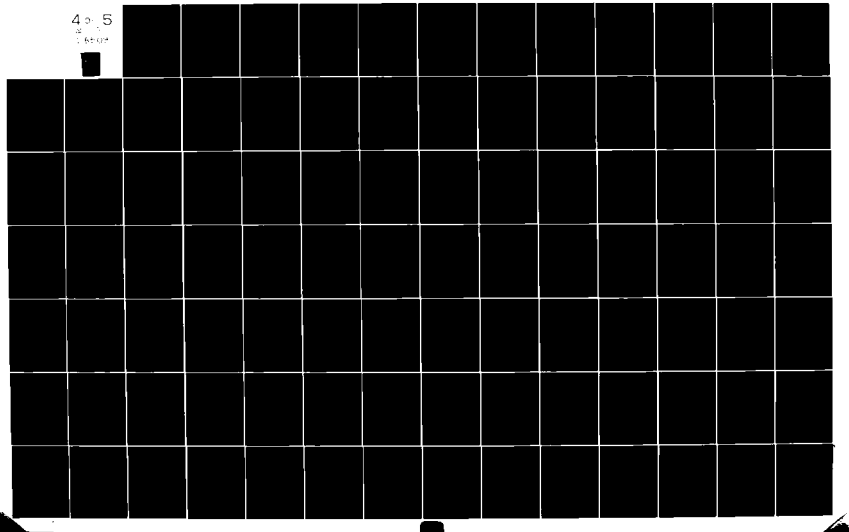
Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-11	.1																	1	1	1	5
-13/-14	.7																	6	6	6	1
-15/-16																					4
-17/-18																					2
-21/-23																					6
TOTAL	14.	369.	011.	3	4.	1.	2	.4											823		823
																		823		823	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4377045	62743	76.2	10.677	823							
Dry Bulb	519586	17962	21.8	12.457	823	3.7	74.4					93
Wet Bulb	448114	16624	20.2	11.689	823	4.5	80.2					93
Dew Point	323669	12573	15.3	12.653	823	10.4	86.3					93

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

AD-A118 509 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
YOUNGSTOWN MAP, OHIO. REVISED UNIFORM SUMMARY OF SURFACE WEATHE--ETC(U)
MAY 82

UNCLASSIFIED USAFETAC/DS-82/034 SBI-AD-E850 193 NL



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72250 STATION | YOUNGSTOWN 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
/ 57			.1	.2														3	3		
5 / 55				.1	.1													2	2		
4/ 53					.1													1	1	3	
2/ 51		.1	.4															4	4		
5 / 49		.6																5	5	4	3
4 / 47		.2		.1	.6													8	8	10	5
/ 45		.2		.1	.5													7	7		7
4/ 43		.9	.1	.2														10	10	4	2
2/ 41	.2	.5	.5	.1														11	11	13	5
4/ 39	.1	.9	.5	.1		.1												14	14	13	10
3 / 37	.4	1.1	.2	.4														17	17	16	10
/ 35		2.5	.9	.2														29	29	13	5
3 / 33	.1	3.9	.9	.2														42	42	32	11
2/ 31		2.5	3.0	.4														47	47	38	37
30/ 29	.5	5.7	1.2															60	60	45	30
/ 27	.5	4.9	1.0	.2														54	54	72	26
/ 25		5.7	.1															47	47	49	43
2 / 23		3.4	.5															32	32	61	49
22/ 21	.9	3.3	1.1															43	43	36	46
0/ 19	.2	5.2	1.2															54	54	40	63
/ 17	.7	3.6																35	35	54	38
1 / 15	.5	3.4																32	32	37	39
/ 13	.5	4.1																37	37	26	49
1 / 11	1.4	5.0																52	52	49	34
0/ 9	1.0	3.2																34	34	53	35
/ 7	1.2	2.5																28	28	30	44
/ 5	1.1	1.4																20	20	25	33
/ 3	1.2	1.8																25	25	24	41
/ 1	1.5	.7																18	18	22	50
/ -1	1.1	.1																10	10	11	20
- / -3	1.4	.4																14	14	15	24
-/ -5	.9																	7	7	7	10
- / -7	.2																	2	2	2	14
- / -9	.1																	1	1	1	7

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
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

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JAN MONTH

PAGE 2 | 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
-9/-11	.1																	1	1	1	3
-7/-13	.5																	4	4	4	6
-5/-15	.2																	2	2	2	6
-3/-17																					1
-1/-23																					2
-2/-25																					4
TOTAL	16.	46.	7.	9.	1.	1.	7	2.	6	1.	4	.1						812.	812	812.	812

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4894039	62503	77.0	10.112	812							
Dry Bulb	507753	17437	21.5	12.821	812	4.7	75.5					93
Wet Bulb	441686	16210	20.0	12.067	812	4.9	80.6					93
Dew Point	325348	12342	15.2	13.033	812	11.1	86.4					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

72250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JAN 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
5 / 55			.2															2	2		
4/ 53		.2			.1													3	3	1	
3/ 51		.5	.2	.1	.1													8	8	3	2
5 / 49		.1	.1															2	2	6	2
/ 47		.1		.1														2	2	1	5
4 / 45		.6	.2	.4	.4													13	13	6	1
4/ 43		.6	.1															6	6	7	7
2/ 41		.2	.4	.2														7	7	7	4
0/ 39	.6	.9	.5															16	16	10	9
3 / 37	.1	1.3	.4															15	15	14	10
/ 35	.2	1.9	.6															23	23	19	8
3 / 33	.1	5.2	.1	.1														46	46	26	18
2/ 31		3.3	2.2															45	45	45	26
/ 29	.1	6.0	1.1	.4														62	62	39	39
2 / 27	.6	4.3	.6	.4														48	48	67	25
/ 25	.1	5.4	.1															46	46	51	35
2 / 23		3.7																30	30	56	34
2/ 21	.6	3.7	.7															41	41	38	56
/ 19	1.1	4.9	.4															52	52	40	65
1 / 17	.2	4.6	.1															41	42	45	43
1 / 15	1.3	3.8																42	42	53	35
1 / 13	.9	4.4																43	43	32	40
1 / 11	1.8	4.0																48	48	52	40
/ 9	1.2	2.6																31	31	49	52
/ 7	1.1	2.7																31	31	21	46
/ 5	1.7	.9																21	21	34	37
/ 3	2.4	1.6																33	33	29	35
/ 1	1.8	1.0																23	23	26	36
/ -1	1.1	.2																11	12	12	36
/ -3	.6	.6																10	10	9	19
/ -5	1.5																	12	12	15	11
/ -7	.1																	1	1	1	15
/ -9	.1																	1	1	1	9
/ -11	.4																	3	3	3	3

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_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 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

72[illegible]52 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JAN 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
-1 /-13	.2																	2	2	2	6
-1[illegible]/-15	.1																	1	1	1	3
-1[illegible]/-17																					2
-1[illegible]/-19																					1
-2[illegible]/-23																					5
-2[illegible]/-25																					1
TOTAL	20.3	69.2	8.2	1.7	.6													821	823	821	821

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5120565	64387	78.4	9.306	821							
Dry Bulb	484668	17044	20.7	12.657	823	9.7	76.8					93
Wet Bulb	428538	15959	19.4	12.022	821	5.0	81.7					93
Dew Point	323431	12291	15.0	13.040	821	12.6	85.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 57		.1																1	1		
5 / 55		.2																2	2	1	
4/ 53																				2	3
/ 51		.1			.2													3	3		
5 / 49		.2		.5	.1													7	7	1	1
4 / 47		.5	.2	.1														7	7	5	4
4 / 45		1.5	.1	.2														15	15	7	4
4/ 43		.6		.5														9	9	18	8
2/ 41		1.3		.1	.1													13	13	8	4
4 / 39		1.2	.5															14	14	11	13
3 / 37		1.8	.4	.1														19	19	17	6
/ 35	.4	2.1	.6	.2														27	27	21	19
3 / 33		4.2	.6	.1														40	40	29	17
2/ 31		5.3	2.8	.2														68	68	42	38
/ 29	.2	4.4	1.1	.6														52	52	60	24
2 / 27	.4	4.5	.5	.2														46	46	48	37
2 / 25	.2	4.8	.4															44	44	51	50
2 / 23		4.3	.5															39	39	59	27
2/ 21	1.1	2.7	.5															35	35	44	45
/ 19	1.0	5.8	.6															60	60	38	61
/ 17	.5	4.9	.2															46	46	60	38
/ 15	1.3	4.9																51	51	52	43
/ 13	.4	5.2																45	45	39	43
1 / 11	1.2	4.5																47	47	51	59
/ 9	.4	3.3																30	30	42	46
/ 7	.9	1.2																17	17	24	46
/ 5	.5	1.8																19	19	22	30
/ 3	1.1	1.3																20	20	19	38
/ 1	1.0	.9																15	15	17	35
/ -1	.7	.1																7	7	9	20
/ -3	.6	.2																7	7	8	14
/ -5	.4																	3	3	3	10
/ -7	.1	.1																2	2	2	8
/ -9	.1																	1	1	1	7

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
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

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) JAN (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
-1 /-11	.1																	1	1	1	6
-1 /-13	.1																	1	1	1	2
-1 /-15	.2																	2	2	2	3
-1 /-19																					1
-1 /-21																					2
-2 /-23																					1
-2 /-25																					2
TOTAL	13.3	74.4	9.1	3.1	.5														815		815
																		815		815	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4966768	63106	77.4	9.940	815							
Dry Bulb	531113	18329	22.5	12.086	815	2.7	75.1					93
Wet Bulb	467748	17124	21.0	11.516	815	3.1	79.3					93
Dew Point	351111	13331	16.4	12.785	815	8.7	84.0					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

72 25 | YOUNGSTOWN MAP OH | 73-81 | JAN
STATION | STATION NAME | YEARS | 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
/ 59		.1	.1	.1														3	3		
/ 57						.2												2	2	1	
5 / 55			.1		.1													2	2	1	1
4 / 53			.1	.1	.2													4	4	1	1
2 / 51		.2	.2		.1													5	5	1	
5 / 49		.2	.1	.5	.1	.1												9	9	5	1
4 / 47	.1	.5	.2	.1	.4													11	11	9	6
4 / 45	.1	.9	.1	.4	.1													13	13	10	9
4 / 43		.6	.4	.1	.2	.1												12	13	12	5
2 / 41	.1	1.1	.9	.2														19	19	11	6
4 / 39		1.5	.4	.5	.1													20	20	20	11
3 / 37	.1	1.7	.7	.1	.2													24	24	21	12
3 / 35	.1	2.4	1.3	.6	.2													39	39	24	23
3 / 33		3.7	2.2	.5	.1													48	48	32	17
2 / 31		4.8	3.3	.2	.1													69	69	48	37
3 / 29	.1	3.3	2.1	1.1														54	54	65	33
2 / 27	.4	3.9	1.7	.1														50	50	56	30
2 / 25		4.6	1.5															50	50	57	48
2 / 23		2.4	1.9															36	36	56	29
2 / 21	.6	4.5	1.7															56	56	49	48
2 / 19	.2	6.0	1.7															59	59	51	54
1 / 17	.1	5.0	.7															48	48	64	57
1 / 15		5.0	.7															47	47	51	36
1 / 13		5.4	.1															45	45	40	34
1 / 11	.2	4.0																35	35	51	70
1 / 9		1.9																16	16	29	47
/ 7	.1	1.2																11	11	14	43
/ 5	.2	1.2																12	12	16	41
/ 3	.2	.7																8	8	10	32
/ 1	.2																	2	2	4	34
/ -1	.1	.5																5	5	1	12
/ -3	.1																	1	1	5	9
/ -5	.1	.2																3	3	2	11
/ -7																				1	4

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
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

72250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JAN 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
- / -9	.2																	2	2	2	8
- / -11	.1																	1	1	1	5
-1 / -15																					1
-1 / -17																					3
- / -19																					2
- / -21																					1
TOTAL	3.9	67.0	21.7	4.8	2.2	.5												821	822	821	821

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4310448	58686	71.5	11.869	821							
Dry Bulb	642915	20961	25.5	11.491	822	1.4	69.0					93
Wet Bulb	541115	19117	23.3	10.819	821	1.4	76.2					93
Dew Point	378409	14181	17.3	12.565	821	6.3	82.6					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

72-25 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JAN MONTH

PAGE 1 | 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
/ 59				.1		.1												2	2		
/ 57				.2		.1												3	3		
5 / 55			.1		.2	.2												5	5		
4 / 53				.1	.2													3	3	1	
2 / 51		.4		.1	.4													7	7	6	
5 / 49		.4	.1		.1													5	5	3	4
0 / 47		.1	.5	.2	.6													12	12	6	5
4 / 45		.5	.1	.6	.5													14	14	9	5
4 / 43		.5	.2	.7	.2	.2												16	16	10	1
2 / 41		1.1	.2	.1	.1	.2												15	15	12	7
4 / 39	.1	1.0	1.2	.1	.1													21	21	21	14
3 / 37	.1	2.2	1.2	.4	.5													36	36	24	13
2 / 35	.1	2.8	2.0	1.0	.1													49	49	30	17
3 / 33	.1	2.1	2.7	1.0	.1													49	49	40	20
2 / 31	.1	2.8	2.8	.2	.1													50	50	47	32
3 / 29		4.0	2.9	1.2														67	67	55	41
2 / 27		2.7	1.6	.1														36	36	58	32
/ 25		4.5	3.7	.1														68	68	56	33
2 / 23		3.9	3.7															62	62	73	29
2 / 21	.1	1.8	1.7															30	30	69	48
2 / 19	.2	3.4	1.5															42	42	28	67
1 / 17		3.8	1.7															45	45	39	55
1 / 15		5.5	1.3															56	57	48	36
/ 13	.1	4.2	.2															36	36	60	45
1 / 11	.1	3.3	.1															29	29	36	51
/ 9		2.1	.2															19	19	33	51
/ 7		2.2																16	16	20	35
/ 5		.9																7	7	10	26
/ 3		.5																4	4	8	49
/ 1		.4																3	3	4	37
/ -1																				1	18
- / -3	.4																	3	3	3	14
-4 / -5	.1	.1																2	2	2	7
-3 / -7	.4																	3	3	3	7

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72 [illegible] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JAN MONTH

PAGE 2 | 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
- / -9	.1																	1	1	1	5
- /-11																					1
-1 /-13																					7
- / -17																					3
- / -19																					1
TOTAL	2.	25	6.	9	3.	0.	6.	5	3.	4	1.	0.							817		816
																		816		816	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3945672	55792	68.4	12.680	816							
Dry Bulb	669061	21435	26.2	11.434	817	1.0	66.0					93
Wet Bulb	549355	19315	23.7	10.634	816	1.1	74.5					93
Dew Point	357673	13779	16.9	12.384	816	7.2	83.2					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

72 25 [illegible] STATION | YOUNGSTOWN 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
5 / 55				.1														1	1		
4 / 53				.1														1	1		
6 / 51			.1	.1														2	2		
5 / 49		.1		.2														3	3	1	
/ 47		.4	.1	.7	.1													11	11	4	1
4 / 45	.1	.6	.5	.5	.4													17	17	5	4
4 / 43	.1	.4	.1	.2	.4													10	10	11	7
2 / 41		.4	.2	.4		.1												9	9	13	4
4 / 39	.1	1.5	1.1	.7	.1	.1												29	29	13	7
3 / 37	.1	1.1	1.3		.6													26	26	24	14
7 / 35		3.3	1.5	.6														44	44	19	11
3 / 33		2.1	2.3	.1	.1													38	38	51	19
2 / 31	.2	3.4	3.3	.7														63	63	29	35
/ 29		4.5	2.3	.6														61	61	59	29
2 / 27	.1	4.2	1.1	.1														46	46	72	41
/ 25	.1	3.9	1.7															47	47	54	44
2 / 23		4.5	1.3															48	48	57	23
2 / 21		3.6	.8															37	37	47	50
/ 19	.1	4.7	.5															44	44	41	65
1 / 17	.2	3.6	.6															37	37	46	38
1 / 15		6.4	.7															59	59	43	48
1 / 13	.2	5.3	.4															49	49	54	57
1 / 11	.5	4.4	.2															42	42	47	46
/ 9		3.1																26	26	44	45
/ 7		2.3																19	19	22	47
/ 5	.2	1.7																16	16	21	29
/ 3	.6	1.8																20	20	23	36
/ 1	.5	.7																10	10	12	44
/ -1	.4																	3	3	6	18
/ -3																					22
/ -5	.2																	2	2	2	15
/ -7	.5																	4	4	4	9
/ -9	.2																	2	2	2	9
/ -11																					1

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
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

12825 — STATION
YOUNGSTOWN 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
-1 /-18																					5
-2 /-17																					2
-3 /-16																					1
TAL	4	67	92	1	5	3	1	7		2									326		826
																		826		826	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	43 21 1	59335	71.8	11.538	826							
Dry Bulb	580141	19689	23.8	11.590	826	1.2	71.5					93
Wet Bulb	486892	17954	21.7	10.8 3	826	1.6	77.1					93
Dew Point	327529	13037	15.8	12.149	826	9.2	85.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72 25 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JAN 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
5 / 55		.1																1	1		
4 / 53		.1																1	1	1	
2 / 51		.1																1	1	1	2
5 / 49		.1	.4	.2														6	6	2	2
/ 47		.1		.5														5	5	3	1
4 / 45		.2		.2	.4													7	7	2	1
4 / 43	.1	.7	.5	.1	.4													15	15	6	3
2 / 41	.2	.7	.5	.1		.4												16	16	11	4
4 / 39	.1	1.2	.6	.6														21	21	15	7
3 / 37	.4	1.7	.1	.5	.1													23	23	25	12
/ 35		2.6	1.6	.4														37	37	21	17
3 / 33		1.9	1.6	.1														30	30	33	19
2 / 31	.1	3.3	3.0	.7														59	59	37	19
/ 29	.4	5.0	1.9	.4														63	63	46	37
2 / 27	.1	5.5	.7	.2														54	54	72	32
/ 25	.2	5.0	1.0															51	51	60	36
2 / 23		3.3	.4															30	30	59	31
2 / 21	.5	3.6	.9															41	41	40	66
/ 19	.5	4.9	.2															46	46	36	55
1 / 17	.1	4.3	.2															38	38	50	47
1 / 15	.1	6.1																51	52	48	38
1 / 13	1.2	4.5																47	47	45	46
1 / 11	2.2	3.5																47	48	54	52
/ 9	.6	3.2																31	31	43	59
/ 7	.2	1.9																18	18	21	49
/ 5	.5	1.5																16	16	19	37
/ 3	1.6	1.9																29	29	26	27
/ 1	1.2	.7																16	16	20	34
/ -1	1.1																	9	9	13	24
- / -3	.4																	3	3	3	22
- / -5	.5																	4	4	4	10
- / -7																					13
- / -9																					9
- / -11	.5																	4	4	4	2

Element (X)	Σ_K'	Σ_K	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
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

[redacted] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JAN 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 /-13	.2																	2	2	2	
-1 /-15																					3
- /-17																					1
- /-19																					2
- /-21																					1
- 2/-23																					2
TOTAL	13.	167.	91	3.6	4.1	.9	.4											822	824	822	822

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4711599	61585	74.9	10.903	822							
Dry Bulb	534154	18516	22.5	11.978	824	2.5	74.6					93
Wet Bulb	457325	17059	20.8	11.217	822	2.9	79.4					93
Dew Point	319097	12739	15.5	12.174	822	10.1	85.3					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22-25 STATION | YOUNGSTOWN 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
/ 59		.0	.0	.1		.0												7	7		
/ 57		.0	.0	.1		.0												9	9	1	
5 / 55		.0	.1	.0	.1	.0												18	18	2	1
4 / 53		.1	.0	.0	.1													13	13	12	4
3 / 51		.2	.1	.0	.1													31	31	13	5
5 / 49	.1	.2	.1	.2	.1	.0												44	44	23	16
/ 47	.1	.3	.1	.2	.2													60	60	42	30
4 / 45	.1	.6	.1	.4	.4													98	98	43	33
4 / 43	.1	.6	.2	.3	.2	.0												83	84	72	37
3 / 41	.1	.8	.3	.2	.0	.1												102	102	84	43
4 / 39	.2	1.1	.6	.3	.0	.1												154	154	120	75
3 / 37	.2	1.5	.6	.2	.2													179	179	157	86
/ 35	.1	2.6	1.2	.4	.0													289	289	165	110
3 / 33	.0	3.2	1.4	.4	.0													333	333	278	135
2 / 31	.1	3.6	2.7	.3	.0													445	445	327	254
2 / 29	.2	4.7	1.9	.5														476	476	413	265
2 / 27	.3	4.5	1.0	.2														393	393	515	253
/ 25	.1	5.0	1.1	.0														410	410	436	338
2 / 23	.0	3.5	1.1															304	304	479	253
2 / 21	.5	3.2	1.0															315	315	364	421
/ 19	.5	5.0	.8															408	408	306	499
/ 17	.4	4.2	.5															334	335	407	345
1 / 15	.4	5.1	.4															378	380	372	324
1 / 13	.5	4.6	.1															339	339	334	342
1 / 11	1.1	4.2	.1															353	354	392	406
/ 9	.6	3.3	.0															237	237	353	380
/ 7	.5	2.0																161	161	187	352
/ 5	.6	1.2																119	119	161	275
/ 3	1.1	1.4																155	155	146	303
/ 1	1.1	.8																116	116	136	305
/ -1	.7	.2																58	59	71	166
/ -3	.5	.2																44	44	51	142
/ -5	.5	.0																39	39	41	91
/ -7	.2	.0																13	13	14	87

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22-25 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JAN MONTH

PAGE 2 | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
- / -9	.1																	8	8	8	58
- /-11	.2																	11	11	11	26
-1 /-13	.2																	15	15	15	22
-1 /-15	.1																	5	5	5	25
- /-17																					14
- /-19																					8
- /-21																					4
- 2/-23																					16
- /-25																					7
TAL	11.3	67.5	15.7	4.0	1.4	.3													6562		6556
																		6556		6556	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	37198237	488137	74.5	11.409	6556							
Dry Bulb	4469391	151373	23.1	12.206	6562	22.0	582.9					744
Wet Bulb	3820769	139357	21.3	11.444	6556	24.5	629.2					744
Dew Point	2702263	104273	15.9	12.619	6556	75.6	678.7					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

72 25 1 STATION | YOUNGSTOWN 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 Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
4/ 53		.4	.7			.1	.1											10	10		
2/ 51		.4	.8		.3	.7												16	16	5	
5 / 49		.1	.3		.1	.3												6	6	9	4
/ 47		.7		.3														7	7	7	8
4 / 45		.1	.1	.4		.4												8	8	5	9
4/ 43	.1	.7	.4	.3	.5													15	15	8	8
2/ 41		.8	.4	.5	.4													16	16	17	3
4 / 39	.1	.3	.8	1.1	.8													23	23	11	3
3 / 37	.1	.5	.4	.9														15	15	12	4
7 / 35	.7	2.8	.7	.7														36	36	28	17
3 / 33	1.2	2.4	1.9	.3														43	43	47	24
2/ 31	.3	1.3	1.1	.7														25	25	37	28
3 / 29	.1	1.7	2.1	.3														32	32	24	24
2 / 27	.1	5.2	1.1	.3														50	50	29	23
/ 25		3.1	2.4	.1														42	42	57	26
2 / 23		1.7	1.3															23	23	36	19
2/ 21	.4	3.1	1.1															34	34	40	49
2 / 19	.9	4.8	.7															48	48	37	34
1 / 17		4.9	.9															44	44	49	42
1 / 15	.5	5.1																42	42	53	32
1 / 13	1.1	4.7																43	43	39	46
1 / 11	1.3	2.4																28	28	39	63
/ 9	1.3	3.9	.4															42	43	44	51
/ 7	.8	2.1																22	22	25	43
/ 5	.1	1.5																12	12	22	31
/ 3	1.3	1.9																24	24	20	35
/ 1	1.2	1.1																17	17	21	39
/ -1	1.6																	12	12	14	18
- / -3	.8	.1																7	7	7	10
- / -5	.3																	2	2	2	16
- / -7	.5																	4	4	4	12
- / -9																					16
- / -11																					6
-1 / -13																					1

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
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

72250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | FEB MONTH

PAGE 2 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-1 /-15																					1
-- /-19																					3
TOTAL	1	157	917	5	7	2	1	5		1								748	749	748	748

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4112676	54624	73.0	12.866	748							
Dry Bulb	530621	17271	23.1	13.303	749	2.8	62.1					84
Wet Bulb	443254	15748	21.1	12.229	748	3.0	67.3					84
Dew Point	305453	11467	15.3	13.175	748	9.3	75.0					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

72425 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | FEB MONTH

PAGE 1 | 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				
5 / 55			.1															1	1		
4 / 53		.4	.4															6	6		
2 / 51						.1												1	1	5	2
5 / 49		.4	.3		.1	1.0												13	13	5	1
6 / 47		1.0	.1	.1	.5	.3												15	15	1	5
4 / 45		1.1	.3	.3	.4	.1												16	16	9	5
4 / 43		.8	.1	.1	.1													9	9	10	12
2 / 41	.3	.5	.1	.7	.3													14	14	20	7
4 / 39	.1		.1	.4	.4													8	8	10	7
3 / 37	.1	1.0	1.0	1.1	.3													25	25	13	4
3 / 35	1.0	1.6	1.0	1.2														35	36	22	9
3 / 33	1.0	1.4	2.3	.5														38	38	38	20
2 / 31	.5	2.6	2.0	.3														40	40	38	18
3 / 29		1.1	1.4															18	18	33	32
2 / 27	.4	4.1	1.1	.4														44	44	32	13
2 / 25		2.9	1.8															34	34	40	37
2 / 23		3.1	1.0															30	31	34	17
2 / 21	.1	2.2	.7															21	21	36	42
2 / 19	.7	5.4	.7															50	51	30	39
1 / 17	.8	6.2	.1															53	53	62	38
1 / 15	.5	4.5	.1															38	38	53	41
1 / 13	.8	4.6																40	40	27	44
1 / 11	1.1	3.7	.3															37	37	43	50
1 / 9	1.1	3.5																34	34	47	55
/ 7	1.6	1.6																24	25	27	36
/ 5	.5	1.4																14	14	23	35
/ 3	1.4	1.4																20	20	18	33
/ 1	1.2	1.6																21	21	21	38
/ -1	1.8	.1																14	14	16	26
/ -3	1.4	.4																13	13	12	12
/ -5	.5																	4	4	5	15
/ -7	.4																	3	3	3	6
/ -9	.4																	3	3	3	16
/ -11																					6

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

72250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | FEB 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
-1 /-13																					3
-1 /-15																					7
- /-17																					2
- /-19																					3
TOTAL	17.	85.	81.	49.	5.2	2.2	1.5											740			736
																	736.		736.		

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4124117	59261	73.7	12.977	736							
Dry Bulb	499578	16420	22.2	13.527	740	4.2	63.3					84
Wet Bulb	417950	14944	20.3	12.482	736	4.5	68.8					84
Dew Point	290058	10822	14.7	13.347	736	11.0	75.8					84

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | FEB 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
5 / 55		.4																3	3		
4/ 53						.1												1	1	3	1
2/ 51			.1															1	1		2
5 / 49		.7	.1	.1	.7	.5												16	16	2	
4 / 47		.8	.3	.1	.4	.3												14	14	5	5
4 / 45	.1	.5	.1	.5	.3													12	12	10	7
4/ 43		.9		.1														8	8	8	6
2/ 41			.3	.9	.4													12	12	17	8
4 / 39		.5	.4	.7	.4													15	15	11	1
3 / 37	.3	.8	.5	1.5														23	23	13	4
3 / 35	.7	.8	1.5	.4														25	25	18	16
3 / 33	.9	2.3	1.2		.1													34	34	34	10
2/ 31	.8	1.5	2.9	.1														40	40	44	29
2 / 29	.7	1.7	2.3	.1														36	36	32	32
2 / 27	.3	4.3	1.7	.1														48	48	27	22
/ 25		2.1	2.3															33	33	57	30
2 / 23	.1	2.4	.5															23	23	36	11
2/ 21	.9	2.9	.7															34	34	42	54
2 / 19	1.3	4.7	.7															50	50	36	46
1 / 17	.9	3.2	.3															33	33	46	44
1 / 15	.5	5.9	.5															52	52	43	39
1 / 13	.8	2.7																26	26	36	39
1 / 11	1.5	3.3																36	36	35	48
/ 9	1.3	3.5																36	36	47	43
/ 7	1.1	2.5																27	27	28	41
/ 5	.8	1.2																15	15	18	24
/ 3	1.6	.7																17	17	17	33
/ 1	2.4	2.5																37	37	36	48
/ -1	1.5	.3																13	13	17	25
- / -3	.4																	3	3	5	14
- / -5	1.1	.1																9	9	9	13
- / -7	.8																	6	6	6	18
- / -9	.8																	6	6	6	5
- / -11	.1																	1	1	1	7

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_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

725956 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | FEB MONTH

PAGE 2 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-1 /-13	.3																	2	2	2	7
-1 /-15																					1
- /-17																					8
- /-19																					5
- /-21																					1
TAL	22.	153.	416.	5	4.	8	2.	3	.9										747.		747
																		747		747	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4297592	55846	74.8	12.816	747							
Dry Bulb	488875	16077	21.5	13.839	747	4.5	65.6					84
Wet Bulb	413354	14756	19.8	12.781	747	5.2	70.4					84
Dew Point	290362	10748	14.4	13.488	747	11.7	77.3					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

72425 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | FEB MONTH

PAGE 1 | 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	Wet Bulb	Dew Point
47 / 67							.1											1	1		
/ 61							.1											1	1		
/ 59							.1											1	1		
/ 57		.1					.3											3	3		
5 / 55						.4												3	3	1	
4 / 53		.4		.3		.4												8	8		1
2 / 51		.3	.3	.1		.3												7	7	4	2
5 / 49		.5	.1	.3	.4	.3												12	12	6	2
/ 47		.9		.1														8	8	8	6
4 / 45	.1	.5	.4	.3	.1													11	11	15	6
4 / 43	.1	.3	.1	.4	1.4													17	17	12	8
2 / 41		.5	.9	.9	.5													22	22	11	5
4 / 39		.5	.4	.5	.4													14	14	8	9
3 / 37	.3	1.5	1.1	.5	.3													27	27	26	6
/ 35	.1	.9	1.1	.9														23	23	24	12
3 / 33	.5	1.6	1.8	.7														34	34	33	19
2 / 31	.9	3.1	4.2	.7														66	66	39	30
/ 29	.1	2.0	2.4	.1														35	35	44	29
2 / 27	.3	2.8	1.1	.4														34	34	43	20
/ 25	.4	3.3	1.6	.1														40	40	49	42
2 / 23	.4	3.0	1.1															33	33	46	29
2 / 21	.3	4.2	1.4															43	43	37	42
/ 19	1.2	3.9	.5															42	42	51	53
/ 17	.7	5.6	.1															47	47	48	47
1 / 15	.3	4.5	.1															36	36	35	39
1 / 13	1.1	3.9																37	37	40	45
1 / 11	.8	2.7	.3															28	28	31	51
/ 9	1.5	2.0																26	26	37	44
/ 7	.7	2.6	.3															26	26	25	41
/ 5	.4	1.1	.1															12	12	18	24
/ 3	.7	1.2																14	14	19	25
/ 1	.3	1.2																15	15	13	31
/ -1	.4	.1																4	4	6	18
/ -3	.3	.3																4	4	4	12

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
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

25 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
- / -5	.3																	2	2	3	13
- / -7	.1																	1	1	1	10
- / -9																					3
- / -11																					2
-1 / -13																					1
-1 / -15																					4
- / -17																					3
- / -19																					3
TOTAL	12.	55.	9	19.5	6.5	3.1	1.4	.7											737		737
																		737		737	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3964470	53130	72.1	13.511	737							
Dry Bulb	579106	18302	24.8	13.012	737	1.3	62.1					84
Wet Bulb	478183	16637	22.6	11.808	737	1.6	67.1					84
Dew Point	324420	12284	16.7	12.752	737	7.9	75.3					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72-253 STATION | YOUNGSTOWN 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 D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31				
67 / 65							.7		.1									3	3		
64 / 63							.1	.1										2	2		
/ 61							.1	.1										2	2		
/ 59						.1	.3											3	3		
/ 57			.1			.4	.1											5	5		
5 / 55		.1	.7	.3		.1	.1											10	10		
47 / 53		.4	.3	.3		.3												9	9	9	2
47 / 51		.3	.4	.1	.1	.1												8	8	8	3
5 / 49		.5	.3	.5	.1													11	11	11	7
4 / 47		.3	.4	.1	.4	.4												12	12	12	6
4 / 45		.3	.5	.4	.5	.1												14	14	8	6
47 / 43		.5	1.5	.9	1.2	.4												34	34	12	5
27 / 41		.3	1.2	.7	.8													22	22	11	5
/ 39	.1	.7	.7	1.2	.3													22	22	23	15
3 / 37		1.7	.7	1.6	.4	.1												34	34	33	17
3 / 35	.1	1.9	1.5	1.5														37	37	29	19
3 / 33	.1	.5	2.3	1.3	.3													34	34	39	28
27 / 31	.7	1.7	3.2	1.6														54	54	46	23
2 / 29	.3	2.3	3.2	.7														48	49	43	22
1 / 27		3.1	3.3	.4														51	51	47	30
/ 25	.1	3.3	4.1	.3														59	59	66	36
2 / 23	.3	.8	2.8															29	29	56	31
27 / 21		3.1	1.7															36	36	45	51
/ 19	.1	5.5	3.3															67	67	45	50
/ 17		2.9	1.7															35	35	54	36
1 / 15	.3	3.2	.5															30	30	45	45
/ 13		1.9	.5															18	18	28	66
1 / 11		1.9	.3															16	16	18	46
/ 9		2.1	.3															18	18	20	34
/ 7		2.0	.3															17	17	17	37
/ 5		.5																4	4	14	24
/ 3		.4																3	3	5	33
/ 1		.1																1	1	3	25
/ -1																				1	7

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_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

[2-25] STATION | YOUNGSTOWN 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	Dew Point
- / -3																					10
- / -5																					~~10~~
- / -7																					8
- / -9																					~~2~~
- / -11																					2
-1 / -13																					~~1~~
-1 / -15																					5
-1 / -17																					~~1~~
TAL	.142	.435	.811	.9	4.1	2.1	1.1	.3	.1										749		748
																		748		748	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3111327	48825	65.3	13.996	748							
Dry Bulb	742722	21754	29.0	12.176	749		54.6					84
Wet Bulb	589331	19313	25.8	11.018	748	.1	62.1					84
Dew Point	373321	13707	18.3	12.787	748	5.2	71.3					84

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

[redacted] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31				
6/ 65							.?		.1									3	3		
4/ 63									.1									1	1		
/ 61								.1										1	1		
/ 59				.3			.5											6	6		
/ 57			.4	.1	.1	.3	.3											9	9		
5 / 55			.?	.3	.5		.?											14	14		
4/ 53				.3														2	2	10	
/ 51		.4			.1	.3	.1											7	7	6	1
/ 49				.7	.1	.1	.3											9	9	8	9
/ 47		.7	.5	.3	.8	.4												20	20	12	6
/ 45		.4	.7	.4	1.2	.5												24	24	9	7
4/ 43		.9	.9	.5	.9	.4												28	28	17	4
/ 41		1.1	1.2	1.1	.8													31	31	19	12
/ 39		.3	.9	.4	.4	.5												19	19	25	12
3 / 37	.3	1.3	1.3	1.1	.3	.3												34	34	34	15
/ 35	.4	1.5	.8	1.3	1.1													38	38	39	16
/ 33	.3	1.9	1.9	.5														34	34	37	29
/ 31	.7	2.3	2.8	1.2														52	52	34	31
/ 29		1.9	3.7	.7	.3													49	49	55	29
/ 27	.1	2.4	4.3	1.1	.3													61	61	37	33
/ 25		2.0	5.7	.5														62	62	63	38
/ 23		.8	2.4															24	24	57	28
2/ 21	.1	1.7	2.9															36	36	60	39
/ 19	.1	3.1	4.5	.3														60	60	38	43
/ 17		3.6	2.1															43	43	48	28
1 / 15		1.3	1.3															20	20	52	54
1 / 13		1.7	.5															17	17	23	56
1 / 11		1.2	.5															13	13	19	53
/ 9		1.2	.5															13	13	12	31
/ 7		2.1	.4															19	19	16	38
/ 5		.3																2	2	18	24
/ 3																				3	28
/ 1																					37
/ -1																					15

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM AS 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

[redacted] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | FEB MONTH

PAGE 2 ~~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
- / -3																					8
- / -5																					10
- / -7																					8
- / -9																					2
-1 / -13																					2
-1 / -15																					5
TOTAL	.034	.041	.310	.9	6.9	2.8	1.7	.1	.3										751		751
																		751		751	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3148908	47288	63.0	15.115	751							
Dry Bulb	784327	22523	30.0	12.047	751		52.7					84
Wet Bulb	612779	19841	26.4	10.868	751		59.8					84
Dew Point	375766	13708	18.3	12.939	751	5.6	71.6					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72-25 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | FEB 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
47 / 62						.1												1	1		
/ 59								.1										1	1		
/ 57			.1	.3			.1											4	4		
5 / 55			.4		.1		.7											9	9		
4 / 53		.3	.3	.3	.3	.1												9	9	4	
/ 51		.4	.7	.3	.1	.4												14	14	5	1
5 / 49		.3		.1	.1													4	4	7	7
/ 47		.7	.3		.4	.3												12	12	11	4
4 / 45		.7	.1	.3	.1	.4												12	12	13	12
4 / 43		1.1		.1	.7	.4												17	17	16	7
2 / 41		.8	.9	1.2	.7													27	27	12	10
/ 39		.5	1.6	.9	.5													27	27	7	9
3 / 37		.9	1.2	1.2	.1	.1												27	27	20	6
/ 35	.8	2.1	1.5	1.1	.1													42	42	45	6
3 / 33	.4	3.2	1.5	.9	.1													46	46	47	26
/ 31	.3	1.2	2.0	.5	.1													31	31	43	36
/ 29		1.7	2.1	.4	.1													33	33	34	30
2 / 27	.3	3.5	2.9	.9														57	57	35	29
/ 25	.7	2.8	2.5	.5														49	49	56	41
2 / 23		2.4	2.3	.1														36	36	50	22
2 / 21		2.3	2.1															33	33	43	44
/ 19	.5	6.7	1.7															67	67	42	58
/ 17	.1	2.0	1.5															27	27	64	24
1 / 15	.1	4.1	1.5															42	42	29	43
/ 13		4.3	.3															34	34	46	37
1 / 11	.3	2.1																18	18	34	45
/ 9		2.7	.3															17	17	18	45
/ 7		2.1	.1															16	16	18	39
/ 5		1.7																13	13	21	23
/ 3	.1	1.5																12	12	13	30
/ 1	.3	.7																7	7	9	37
/ -1	.1																	1	1	3	19
- / -3		.1																1	1	1	18
- / -5																					19

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72 253 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | FEB 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 Dr. Bulb	TOTAL Wet Bulb	TOTAL Dew Point
- / -7																					7
- / -5																					6
-1 / -15																					3
-1 / -17																					3
TOTAL	.752	128	.7	9.2	3.8	1.9	.8	.1										746	746	746	746

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3517225	50123	67.2	14.166	746							
Dry Bulb	661387	20170	27.0	12.480	746	.2	55.6					84
Wet Bulb	534920	18058	24.2	11.458	746	.5	62.9					84
Dew Point	348347	12753	17.1	13.227	746	8.4	74.1					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

[illegible] YOUNGSTOWN MAP OH 73-81 FEB
STATION STATION NAME YEARS 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
[illegible] / 55		.1	.4															4	4		
4 / 53		.4	.8	.1		.1	.7											16	16	2	
2 / 51		.1	.7	.3		.4												11	11	6	2
5 / 49			.3	.3	.3													6	6	9	5
[illegible] / 47	.3	.1	.1	.1														5	5	7	7
4 / 45		.4	.5		.4	.1												11	11	7	10
4 / 43	.1	.8	.4		.3													12	12	11	3
2 / 41		.3	.4	.5	1.1													17	17	16	7
[illegible] / 39	.3	1.3	.9	.8	.4													28	28	9	7
3 / 37	.5	1.6	1.7	1.2														38	38	22	9
[illegible] / 35	.7	2.6	.5	.7														33	33	33	19
3 / 33	1.3	2.1	2.7	.3														48	49	59	27
2 / 31	.5	1.1	.9	.1														20	20	35	34
[illegible] / 29	.1	2.0	2.6	.1														36	37	29	21
2 / 27		3.6	3.0	.3														51	51	23	27
[illegible] / 25	.1	3.2	1.9															39	39	61	36
[illegible] / 23	.3	2.6	.7	.1														27	27	40	21
2 / 21	.1	3.9	.9															37	37	37	43
[illegible] / 19	.4	5.4	.7															48	48	42	38
[illegible] / 17	.4	4.6	1.7															50	50	46	47
1 / 15		4.0	.4															33	33	40	32
1 / 13	.5	5.0																41	41	43	50
1 / 11	.9	3.4																32	32	42	45
[illegible] / 9	.3	3.2																26	26	37	35
/ 7	.1	1.9																15	15	22	39
/ 5		2.6																19	19	17	33
/ 3	.1	1.6																13	13	16	27
/ 1	.5	1.6																16	16	19	39
/ -1	1.3																	10	10	12	19
- / -3	.1																	1	1	1	12
- / -5	.3																	2	2	2	23
- / -7																					12
- / -9																					11
-1 / -13																					1

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72253 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | FEB 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 /-15																					1
-1 /-17																					3
TOTAL	9.	559.	522.	3	5.0	2.4	.7	.7										745	747	745	745

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3436669	53287	71.5	12.975	745							
Dry Bulb	587501	18565	24.9	13.002	747	1.5	58.1					84
Wet Bulb	489363	16851	22.6	12.060	745	1.7	63.6					84
Dew Point	338155	12335	16.6	13.417	745	9.2	73.2					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

72425 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | FEB 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
67/ 55							.1		.0									6	6		
4/ 63						.0	.0	.0	.0									5	5		
/ 61							.0	.0										4	4		
/ 59				.0		.0	.1	.0										11	11		
/ 57		.0	.1	.1	.0	.1	.1											21	21		
5/ 55		.1	.3	.1	.1	.1	.1											44	44	1	
4/ 53		.3	.3	.2	.1	.2	.1											61	61	28	4
2/ 51		.2	.4	.1	.1	.3	.0											65	65	39	13
5/ 49		.3	.2	.3	.3	.3	.0											77	77	57	35
/ 47	.1	.6	.2	.2	.3	.2												93	93	63	47
4/ 45	.1	.5	.4	.3	.4	.2												108	108	76	62
4/ 43	.1	.8	.4	.3	.6	.2												140	140	94	53
2/ 41	.1	.5	.7	.8	.6													161	161	123	57
4/ 39	.1	.5	.7	.8	.5	.1												156	156	104	63
3/ 37	.2	1.2	1.0	1.1	.2	.1												223	223	173	65
7/ 35	.6	1.8	1.1	1.0	.2													269	270	238	114
3/ 33	.7	1.9	1.9	.6	.1													311	312	334	183
2/ 31	.6	1.8	2.4	.7	.0													328	328	316	229
1/ 29	.2	1.8	2.5	.3	.1													287	289	294	219
2/ 27	.2	3.6	2.3	.5	.0													396	396	273	197
/ 25	.2	2.8	2.8	.2														358	358	449	286
2/ 23	.1	2.1	1.5	.0														225	226	355	178
2/ 21	.3	2.9	1.4															274	274	340	364
/ 19	.7	4.9	1.6	.0														432	433	321	361
1/ 17	.4	4.1	1.1															332	332	417	306
1/ 15	.3	4.1	.6															293	293	350	325
1/ 13	.5	3.6	.2															256	256	282	383
1/ 11	.7	2.6	.2															208	208	261	401
/ 9	.7	2.7	.2															212	213	262	338
/ 7	.5	2.1	.1															166	167	178	314
/ 5	.2	1.3	.0															91	91	151	218
/ 3	.1	1.1																103	103	111	244
/ 1	.8	1.1																114	114	122	294
/ -1	.8	.1																54	54	69	147

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
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

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | FEB 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
- / -3	.4	.1																29	29	30	96
- / -5	.3	.0																19	19	21	119
- / -7	.2																	14	14	14	81
- / -9	.2																	9	9	9	61
- / -11	.1																	1	1	1	23
-1 / -13	.1																	2	2	2	16
-1 / -15																					27
- / -17																					20
- / -19																					14
- / -21																					1
TOTAL	10.7	51.7	24.5	7.4	3.4	1.6	.6	.1	.1									5958	5966		5958
																		5958		5958	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	30434984	417389	70.1	14.166	5958							
Dry Bulb	4874110	151082	25.3	13.256	5966	14.4	474.1					672
Wet Bulb	3979134	136148	22.9	12.071	5958	16.5	522.0					672
Dew Point	2645878	97829	16.4	13.211	5958	68.2	593.5					672

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

[illegible] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAR 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.	Dry Bulb	TOTAL Wet Bulb	Dew Point
[illegible] / 67						.1	.2											3	3		
4/ 63					.1	.6	.5											13	10		
/ 61				.4	.1	.1	.1											6	6		
/ 59			.1	.1		.1	.1											4	4		
[illegible] / 57		.2	.5	.4	.2	.1	.4											15	15	1	
5 / 55		.5	.4	.4	.1	.4	.1	.2										17	17	14	2
4/ 53		.2	.5	.4	.4	.1	.1	.1										15	15	12	2
2/ 51		.6	1.3	.2	.9	.2	.2											26	26	18	10
[illegible] / 49	.1	.9	.5	.4	.1	.1												17	17	11	12
[illegible] / 47	.4	1.2	.2	.4	.7													24	24	27	21
[illegible] / 45	.1	1.2	.1	.6	.4	.4												23	23	27	22
4/ 43		1.7	1.3	.7	.4													34	34	29	23
2/ 41		2.2	1.6	1.7	.1													46	46	22	18
[illegible] / 39	.4	1.1	1.3	.9	.6													35	35	49	23
[illegible] / 37	.1	1.6	2.1	1.2	.1													42	42	27	27
[illegible] / 35	.2	2.6	2.6	1.8														59	59	48	24
3 / 33		4.2	3.4	1.6														75	75	62	34
2/ 31	.1	3.7	2.0	1.3														58	58	71	42
[illegible] / 29		3.2	3.1	.6														56	56	64	39
[illegible] / 27		3.8	2.3															50	50	56	75
[illegible] / 25		5.1	2.9	.1														67	67	67	51
2 / 23	.1	1.7	1.6															28	28	69	31
2/ 21	.2	1.7	1.2															26	26	36	69
/ 19	.1	3.1	.5															30	30	30	64
[illegible] / 17		1.8	.1															16	17	34	41
1 / 15		1.0																8	8	11	50
[illegible] / 13		.7																6	6	5	39
1 / 11		1.1																9	9	6	45
/ 9		.2																2	2	9	11
/ 7		.1																1	1	2	9
/ 5																				1	6
/ 3																					10
/ 1		.7																6	6	5	5
/ -1	.2																	2	2	3	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
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

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAR MONTH

PAGE 2 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb Dew Point
-/-3																				1
-/-5																				5
-/-7																				3
-/-9																				2
TOTAL	.2	.246	.329	.413	.2	4.3	2.3	1.8	.4									816	817	816

816 816

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4270609	57879	70.9	14.239	816							
Dry Bulb	1099639	28375	34.7	11.828	817	.2	41.7	.3				93
Wet Bulb	904329	25741	31.5	10.643	816	.3	53.5					93
Dew Point	656757	21019	25.8	11.896	816	1.3	68.2					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

7?25 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
6 / 67							.1											1	1		
6/ 65						.2												2	2		
/ 61				.1	.1	.1												3	3		
/ 59			.4	.4	.1		.1											8	8		
/ 57		.1	.9	.1	.4	.1	.1											14	14		
5 / 55		.6	.6		.1		.2											13	13	9	
4/ 53		.7	.1	.4	.5													14	14	15	4
4/ 51		.5	1.1	.6	.5	.1	.4											26	26	17	14
5 / 49	.1	.6	.9	.1	.6	.4												22	22	14	13
/ 47	.2	1.2	.5	.2	.4	.2												23	23	26	16
4 / 45		1.6	.9	.1	.5	.2												27	27	23	16
4/ 43	.1	1.5	1.6	.2	.1	.2												31	31	25	24
4/ 41		1.6	1.2	.4	.1													27	27	30	20
4 / 39	1.3	.7	.9	.9	.6													33	33	41	28
3 / 37	.6	1.1	2.6	1.2	.1													46	47	27	29
/ 35	.4	3.6	2.9	1.3	.5													67	67	28	22
3 / 33		5.4	2.6	.9														71	71	74	28
2/ 31	.2	3.7	2.1	1.2														59	59	69	40
/ 29	.1	2.5	2.2	.4														42	43	58	48
2 / 27	.4	3.3	2.1	.2														46	47	50	53
/ 25	.6	4.2	2.7															61	61	63	53
2 / 23	.1	4.6	1.2															48	48	63	40
2/ 21	.6	1.7	.6															24	24	59	50
/ 19	.1	2.4	1.1															29	29	20	69
1 / 17		1.7	.1															15	15	26	42
1 / 15		1.7																14	14	23	43
/ 13	.1	1.1																10	10	8	54
1 / 11	.2	.6																7	7	10	27
/ 9	.1	.5																5	5	8	22
/ 7	.1	.2																3	3	4	12
/ 5		.1																1	1	2	6
/ 3		.5																4	4	4	9
/ 1		.1																1	1	1	3
/ -1	.1	.1																2	2	1	5

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
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

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAR MONTH

PAGE 2 | 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
- / -3	.1																	1	1	2	4
- / -5	.1																	1	1	1	2
- / -7	.1																	1	1	1	1
- / -9																					1
- / -11																					3
-1 / -15																					1
TOTAL	5.9	48.5	29.6	8.6	4.7	1.7	1.0											802	805	802	802

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4414571	58459	72.9	13.839	802							
Dry Bulb	1027336	27122	33.7	11.884	805	.6	43.4	.1				93
Wet Bulb	860440	24754	30.9	10.970	802	.6	54.8					93
Dew Point	642285	20441	25.5	12.306	802	2.0	68.2					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

[illegible] 25 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) MAR (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
67 / 65					.1	.2												3	3		
4/ 63						.1												1	1		
/ 61				.2	.5													6	6		
/ 59			.1	.2		.2												5	5		
/ 57		.7	.2	.1	.6													14	14	2	
5 / 55		.2	.4	.1	.6													11	11	13	3
4/ 53		.6	.2	.9		.2												16	16	12	7
2/ 51		.6	1.3	.2		.2												20	20	12	6
5 / 49		1.1	.6	.5	.6	.1												24	24	18	11
/ 47	.4	1.9	.2	.1	.2	.1												25	25	29	22
4 / 45	.2	1.5	.5	.1	.5													23	23	22	23
4/ 43	.2	1.6	.6	.1	.5	.4												28	28	26	25
2/ 41	.1	1.8	.6	.6	.6													31	31	28	28
4 / 39	.5	1.6	.7	1.3	.5													38	38	23	25
7 / 37	.5	2.7	2.2	.7														50	50	36	17
/ 35	.4	3.8	2.4	.7	.2													62	62	45	21
3 / 33		4.3	2.2	1.1														62	62	75	33
2/ 31	.4	4.1	1.9	1.2														63	63	61	55
/ 29		2.8	4.0	.4														59	59	48	36
/ 27	.4	3.5	1.7	.2														48	48	63	52
/ 25	.9	3.6	2.2															55	55	81	48
1 / 23	.5	3.4	.9															39	39	55	48
2/ 21	1.1	2.1	1.8															41	42	44	56
/ 19	1.1	3.5	.1															38	38	42	74
/ 17	.1	1.7																9	9	31	48
1 / 15		2.3																19	19	12	41
/ 13		.7																6	6	12	46
1 / 11		.5																4	4	7	32
/ 9	.1	.7																7	7	4	19
/ 7	.1	.4																4	4	8	18
/ 5		.2																2	2	4	3
/ 3	.1	.4																4	4	3	6
/ 1		.2																2	2	1	3
/ [illegible]		.2																2	2	2	3

Element (F)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
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

22 25 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAR MONTH

PAGE 2 | 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B. W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
- / -3	.1																	1	1	3	5
- / -5																					3
- / -7																					1
- / -9	.1																	1	1	1	1
- /-11																					3
- /-17																					1
TOTAL	.252	.125	.0	9.0	5.0	1.7													824		823
																		823		823	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4699496	61188	74.3	13.523	823							
Dry Bulb	1034945	27519	33.4	11.867	824	.5	45.7					93
Wet Bulb	879814	25336	30.8	11.021	823	.7	54.5					93
Dew Point	669410	21176	25.7	12.309	823	1.9	68.0					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

72-25[illegible] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAR 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.	Dry Bulb	TOTAL Wet Bulb	Dew Point
/ 69					.1	.1	.1											3	3		
/ 67					.1	.2		.1										4	4		
6/ 65			.1	.2	.5	.1		.2										10	10		
4/ 63				.2		.1	.1	.1	.2									7	7		
/ 61				.1	.4	.1		.1										6	6	5	
/ 59		.2	.5	.1	.4	.2	.4	.2										17	17	2	1
/ 57		.5	1.0	.6	.1	.4	.4											24	24	11	3
5/ 55		.2	.7	.2	.1	.4		.1										15	15	11	5
4/ 53		.9	.9	.6	.2	.2	.1											24	24	21	10
2/ 51		.6	.5	.1	.5	.4	.2											19	19	22	12
5 / 49		1.2	.5	.5	.4	.6	.1											27	27	22	24
/ 47	.1	2.4	.2	.1	.4	.4												30	30	33	27
4 / 45		2.2	.7	1.1	.9	.5												44	44	31	21
4/ 43	.1	1.2	.7	1.1	1.1	.5												39	39	34	27
2/ 41		1.5	1.6	2.6	.6													51	52	29	28
4 / 39	.2	1.9	2.2	1.5	.7													54	54	37	13
3 / 37	.4	1.3	1.1	1.8	.4													41	41	52	33
/ 35	.1	3.0	2.4	1.9	.1													63	63	65	30
3 / 33	.4	2.4	3.9	1.3														66	66	64	24
/ 31		2.7	4.0	1.7														69	69	62	62
/ 29		2.3	3.4	.5														51	51	68	42
2 / 27		1.6	2.3	.1														33	33	60	64
/ 25	.6	1.9	2.4															41	41	62	65
2 / 23		1.7	.9															21	21	35	40
2/ 21		1.5	.9															19	19	36	49
/ 19		1.1	.6															14	14	12	61
/ 17		1.1	.1															10	10	17	48
1 / 15		.9	.1															8	8	12	35
/ 13		.4																3	3	6	31
1 / 11		.5																4	4	4	18
/ 9																				4	16
/ 7		.2																2	2		11
/ 5																				2	9
/ 3		.2																2	2	2	2

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
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

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAR 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
/ 1		.1																1	1	1	5
- / -3																					1
- / -5																					1
- / -7																					4
TOTAL	1.	9	35.	93	1.	81	6.	5	6.	9	4.	3	1.	5	1.	0	.2	822	823	822	822

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4066314	56422	68.6	15.353	822							
Dry Bulb	1311666	31386	38.1	11.814	823		31.4	.8				93
Wet Bulb	1063220	28233	34.3	10.684	822		43.3					93
Dew Point	773580	23110	28.1	12.283	822	.7	63.8					93

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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAR MONTH

PAGE 1 | 1200-1800 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
76/ 75								.1		.1								2	2		
74/ 73							.2	.2										4	4		
72/ 71						.4	.1	.2										6	6		
70/ 69						.4	.2	.2	.4	.2	.1							13	13		
68/ 67				.1	.2		.1	.1		.1								6	6		
66/ 65					.5	.5	.1		.9									16	16		
64/ 63			.2	.1	.6	.1		.1	.2									12	12	3	
62/ 61		.4	.2	.9	.2	.1	.5	.5	.1									24	24	6	
60/ 59		.1	.5	.5	.2	.7		.5										21	21	16	
58/ 57		.4	1.0	.2	.9	.4	.1	.2	.1									27	27	15	6
56/ 55		.1	1.1		.4	.6	.6	.1										24	24	22	11
54/ 53		.4	.4	.4	.6	.2	.5											20	20	22	17
52/ 51	.1	1.1	.2	.2	.5	.6	.6											28	28	20	19
50/ 49		1.1	.9	.2	.5	1.2	.7	.1										39	39	45	25
48/ 47	.2	1.6	.4	1.2	1.2	1.5	.4											53	53	27	24
46/ 45	.1	1.8	.9	1.2	2.1	.2	.1											53	53	41	30
44/ 43		1.0	.4	1.2	1.5	.5												37	37	30	19
42/ 41		1.3	.7	1.2	1.3													38	38	46	20
40/ 39		.7	1.6	2.0	.9	.1												43	43	54	32
38/ 37		.7	1.6	2.6	1.1													49	50	53	24
36/ 35		1.5	2.6	2.7	.2													57	57	41	24
34/ 33		1.1	3.1	2.8	.1													58	58	60	27
32/ 31		1.1	3.2	2.0														51	51	69	53
30/ 29		1.3	2.7	.5														37	37	69	40
28/ 27	.4	.7	2.7	.6														36	36	49	71
26/ 25		.7	1.5															18	18	40	64
24/ 23		.7	1.0	.2														16	16	37	53
22/ 21		.1	1.0															9	9	15	40
20/ 19		.6	.1															6	6	10	55
18/ 17		.4																3	3	13	42
16/ 15		.4																3	3	3	37
14/ 13		.1																1	1	3	25
12/ 11		.1																1	1	1	18
10/ 9		.5																4	4	1	10

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
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

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31					
/ 7																					4	11
/ 5																						8
/ 3																						2
/ 1																						3
/ -3																						4
/ -5																						1
TOTAL	.9	20.	22	7.	92	1.	01	3.	1	7.6	4.4	2.6	1.7	.5	.1					815	816	815	815

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3302368	50036	61.4	16.826	815							
Dry Bulb	1604000	34696	42.5	12.568	816		21.1	3.5	.7			93
Wet Bulb	1221867	30295	37.2	10.846	815		35.8					93
Dew Point	824728	23814	29.2	12.583	815	.6	61.3					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

72250 STATION | YOUNGSTOWN 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
/ 79									.2	.2								4	4		
7-/ 77								.1	.1									2	2		
74/ 73						.1		.4	.4	.4								10	10		
7-/ 71					.1	.1	.2	.4	.4	.1	.1							12	12		
/ 69					.2	.5	.2	.2		.1	.4							14	14		
6-/ 67				.2	.1	.1	.2	.1	.1	.7								14	14		
6/ 65				.1	.1	.1			.4	.2								8	8		
64/ 63				.4	.5		.1		.6									13	13	6	
6-/ 61				.2		.1	.4	.6	.4									14	14	7	
5-/ 59		.2	.4	.1	.5	.4	.6	.1	.2									21	21	14	2
5-/ 57		.7	.7	.1	.5	.6	.2	.2										26	26	20	4
54/ 55		.6	.7	.2	.2	.7	.6	.4										29	29	20	8
54/ 53		.9	.4	.4	.5	.4	1.5	.1										33	33	16	18
52/ 51		.9	.5	.6	.2	1.7	2.0											48	48	30	22
5 / 49		.5	.6	.6	1.1	.7		.2										31	31	34	28
4-/ 47		.7	1.0	.9	1.5	.7	.5	.1										44	44	29	13
4 / 45		1.0	1.0	.4	2.1	.5												40	40	39	15
44/ 43		1.5	1.0	.1	1.3	.5												36	36	40	19
42/ 41		1.2	1.1	1.5	2.6	.1												53	53	69	25
4 / 39		.5	1.1	1.7	2.7	.4												52	52	46	33
3-/ 37		.2	1.1	2.3	1.7													44	44	34	27
3-/ 35		1.1	2.8	1.2	.7													48	48	54	32
3-/ 33	.1	1.8	2.6	1.7	.9													58	58	68	24
2-/ 31		1.6	2.4	1.0	.4													44	44	73	48
3 / 29	.2	1.5	2.4	1.7														48	48	54	44
2-/ 27		.6	1.6	.5														22	22	58	79
/ 25		.1	1.3	.2														14	14	31	82
24/ 23		.2	.2	.1														5	5	31	46
2-/ 21		.2	1.7															16	16	14	35
2-/ 19		.1	.7															7	7	11	44
1-/ 17																				14	40
1-/ 15		.4																3	3	2	27
1-/ 13		.4																3	3	3	32
1 / 11		.1																1	1	3	19

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

72,25 STATION | YOUNGSTOWN 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
10 / 9		.1																1	1	1	15
/ 7																				1	19
/ 5																					5
/ 3																					5
/ 1																					6
- / -3																					2
TOTAL	.4	17.2	25.4	16.4	18.0	7.8	6.6	3.1	2.8	1.8	.5							818		818	818

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total
Rel. Hum.	304,583	47667	58.3	18.041	818							
Dry Bulb	1706136	35802	43.8	13.051	818		18.6	6.4	1.8	.1		93
Wet Bulb	1255759	30809	37.7	10.805	818		33.2					93
Dew Point	805937	23555	28.8	12.500	818	.2	62.3					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72525 STATION — YOUNGSTOWN MAP OH STATION NAME — 73-81 YEARS — MAR MONTH

PAGE 1 — 1800-2000 HOURS (L.S.T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	TOTAL D.B./W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
76/ 75									.1									1	1		
74/ 73								.1										1	1		
72/ 71						.1		.2	.4	.1								7	7		
70/ 69						.1	.1	.2	.1									5	5		
68/ 67					.1	.2	.4	.4										9	9		
66/ 65					.2	.4	.2	.2	.4	.1								13	13		
64/ 63				.1	.5	.2	.1	.1	.1									10	10		
62/ 61				.1	.1	.1	.5	.2	.2									11	11	1	
60/ 59		.1	.2		.2	.1	.1	.7										13	13	6	
58/ 57		.5	.5	.2	.6		.4	.4										21	21	9	
56/ 55			.7	.1	.2	.5	.5	.2										19	19	25	4
54/ 53		1.2	.7	.5	.4	.5	.1	.1										29	29	16	10
52/ 51		.5	.5	.6	.6	1.0	.5	.1										31	31	18	17
50/ 49	.1	.5	1.3	.5	.6	.9	.2											34	34	31	16
48/ 47	.1	.1	.7	.2	1.1	.7	.4											28	28	19	22
46/ 45	.2	1.1	.7	1.1	1.5	.7	.2											46	46	35	18
44/ 43		1.1	1.5	1.0	.7	.7												41	41	38	23
42/ 41		1.7	1.1	1.0	1.1	.2												42	42	42	19
40/ 39	.1	1.2	1.6	1.7	1.2													48	48	48	36
38/ 37	.2	1.0	1.2	2.3	.7													45	45	57	21
36/ 35		1.3	2.1	1.9	.7													50	50	41	27
34/ 33		1.7	4.4	1.6	.6													68	68	58	33
32/ 31		3.0	3.2	1.8	.2													68	68	67	45
30/ 29		2.2	3.5	1.2														57	57	71	49
28/ 27	.4	1.6	1.8	.9														38	38	70	57
26/ 25		.5	2.1	.2														23	23	58	80
24/ 23		.4	1.3															14	14	29	63
22/ 21		.5	.9															11	11	24	53
20/ 19		1.0	1.0															16	16	16	60
18/ 17		.6	.6															10	10	16	62
16/ 15		.2	.1															3	3	11	24
14/ 13		.1																1	1	4	27
12/ 11		.4																3	3	1	33
10/ 9		.1																1	1	3	18

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM AS-3 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAR 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
-/ 7		.2																2	2	1	17
-/ 5		.1																1	1	3	12
-/ 3		.1																1	1	1	7
/ 1																					1
/ -1																					3
- / -3																					1
-4/ -5																					3
TOTAL	1.	2	23.	13	1.	8	17.	21	1.6	6.6	3.8	3.2	1.3	.2				821	821	821	821

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3431825	51261	62.4	16.792	821							
Dry Bulb	1441387	32847	40.0	12.456	821		28.2	2.6	.2			93
Wet Bulb	1100422	28766	35.0	10.622	821		42.5					93
Dew Point	728871	22365	27.2	12.078	821	.8	65.1					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

72525 STATION — YOUNGSTOWN MAP OH STATION NAME — 73-81 YEARS — MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
7 / 69						.1		.1										2	2		
65/ 67						.4												3	3		
63/ 65							.2	.2										4	4		
61/ 63				.1	.4	.7	.4	.1										14	14		
59/ 61				.4	.5	.1												8	8		
57/ 59			.2	.2		.1	.2											7	7	1	
55/ 57		.4	.5		.5	.1	.1											13	13	5	
53/ 55		.2	.2	.2	.6		1.3	.4										22	22	16	3
51/ 53		1.1	.2	.6	.1	.6	.6											27	27	18	3
49/ 51	.1	.5	.7	.2	.5	.2	.1											20	20	16	18
47/ 49	.1	1.7	.6	.6	.4	.1												29	29	24	14
45/ 47		.6	.5	.6	.6	.1	.2											22	22	28	22
43/ 45		1.1	.2	.4	1.0	.5												26	26	13	16
41/ 43	.1	1.7	1.7	1.1	.7													44	44	39	23
39/ 41		1.7	1.1	1.5	.5													39	39	34	23
37/ 39	.2	1.8	1.2	1.5	.6													44	44	45	26
35/ 37		2.1	2.0	2.2	.1	.1												53	53	44	23
33/ 35		1.7	2.9	1.3	.1													50	50	46	38
31/ 33		2.6	3.3	1.2														58	58	57	28
29/ 31		3.5	3.5	2.1														75	75	63	40
27/ 29		3.4	3.4	.6														61	61	58	46
25/ 27		3.3	2.7	.6														54	54	78	58
23/ 25	.2	2.1	2.6															40	40	80	64
21/ 23	.5	.5	1.7	.1														23	23	43	48
19/ 21		1.0	1.7															22	22	25	58
17/ 19		2.1	.2															19	19	29	55
15/ 17		2.0																16	16	21	50
13/ 15	.1	.7																7	7	13	40
11/ 13		.9																7	7	6	34
9/ 11		.4																5	5	7	29
7/ 9																				5	20
5/ 7																					17
3/ 5																					5
1/ 3		.4																5	5	4	7

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
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

72250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 1		.1																1	1	2	5
/ -1																					1
-/ -3																					3
-/ -5																					1
-/ -7																					2
TOTAL	1.	53	7.9	31.	31	5.6	6.6	3.3	2.9	.9									820		820
																		820		820	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4003586	55986	68.3	14.871	820							
Dry Bulb	1220379	30077	36.7	11.961	820		38.0	.6				93
Wet Bulb	982956	27024	33.0	10.619	820		49.2					93
Dew Point	696769	21803	26.6	11.955	820	.8	66.1					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

72[illegible] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAR 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
/ 79									.0	.0								4	4		
78/ 77								.0	.0									2	2		
76/ 75								.0	.0	.0								3	3		
74/ 73						.0	.0	.1	.0	.0								15	15		
72/ 71					.0	.1	.0	.1	.1	.0	.0							25	25		
/ 69					.0	.2	.1	.1	.1	.0	.1							37	37		
68/ 67				.0	.1	.1	.1	.1	.0	.1								40	40		
66/ 65			.0	.0	.2	.2	.1	.1	.2	.0								56	56		
64/ 63			.0	.1	.3	.2	.2	.1	.2									67	67	9	
62/ 61		.0	.0	.3	.2	.1	.2	.2	.1									78	78	21	
/ 59		.1	.3	.2	.2	.2	.2	.2	.0									96	96	39	3
58/ 57		.4	.7	.2	.5	.2	.2	.1	.0									154	154	63	13
56/ 55		.3	.6	.2	.3	.3	.4	.2										150	150	130	36
54/ 53		.7	.4	.5	.3	.3	.4	.0										178	178	132	71
52/ 51	.0	.7	.7	.4	.5	.6	.5	.0										218	218	153	118
50/ 49	.1	.9	.7	.4	.5	.5	.1	.0										223	223	199	143
48/ 47	.2	1.2	.5	.5	.8	.5	.2	.0										249	249	218	167
46/ 45	.1	1.4	.6	.6	1.1	.4	.0											282	282	231	161
44/ 43	.1	1.4	1.1	.7	.8	.4												290	290	261	183
42/ 41	.0	1.6	1.1	1.3	.9	.0												327	328	300	181
40/ 39	.3	1.2	1.3	1.4	1.0	.1												347	347	343	216
38/ 37	.2	1.3	1.7	1.8	.5	.0												370	372	330	201
36/ 35	.1	2.3	2.6	1.6	.3													456	456	368	218
34/ 33	.1	2.9	3.2	1.5	.2													516	516	518	231
32/ 31	.1	2.9	2.8	1.5	.1													487	487	535	385
30/ 29	.0	2.4	3.1	.7														411	412	490	344
28/ 27	.2	2.3	2.2	.4														327	328	480	509
26/ 25	.3	2.3	2.2	.1														319	319	482	507
24/ 23	.2	1.7	1.1	.1														194	194	362	349
22/ 21	.2	1.1	1.2															168	169	253	410
/ 19	.2	1.7	.6															159	159	170	482
16/ 17	.0	1.1	.1															79	80	172	353
14/ 15	.0	.9	.0															65	65	87	297
12/ 13	.0	.6																37	37	47	288

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

72252 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAR 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
110 / 115	.0	.5																34	34	39	221
105 / 109	.0	.3																20	20	35	131
100 / 104	.0	.2																12	12	20	114
95 / 99		.1																4	4	12	54
90 / 94	.0	.2																16	16	14	48
85 / 89		.2																11	11	10	31
80 / 84	.0	.0																6	6	6	12
75 / 79	.1																	2	2	5	21
70 / 74	.1																	1	1	1	16
65 / 69	.0																	1	1	1	11
60 / 64	.0																	1	1	1	4
55 / 59																					6
50 / 54																					1
45 / 49																					1
TOTAL	2.6	35.2	29.0	14.7	8.8	4.4	2.8	1.4	.8	.3	.1								6544		6537
																		6537		6537	

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	31232352	438898	67.1	16.431	6537							
Dry Bulb	10445488	247824	37.9	12.730	6544	1.3	268.1	14.3	2.7	.1		744
Wet Bulb	8268817	220955	33.8	11.066	6537	1.6	366.7					744
Dew Point	5798337	177283	27.1	12.310	6537	8.2	523.0					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72252 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) APR (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
5[illegible] / 67					.3	.3	.3	.3										8	8		
6/ 65				.6	1.1	.9	.6	.6										31	31		
[illegible]4/ 63		.1	.9	.3	.6	.3	.5											21	21		
[illegible]/ 61		.1	.6	.9	.9	.4	.1											24	24	4	
/ 59		.6	.6	.8	.5	.3												22	22	18	1
/ 57		.8	.6	.3			.5	.4										20	20	22	13
5[illegible] / 55	.1	1.0	.9	.3		.3	.6	.4										28	28	37	18
4/ 53		1.1	1.1	.1	.9	.1	.3	.3										31	31	40	20
2/ 51		1.1	1.1	.6	1.1	.4	.1											36	36	25	22
5 / 49		1.4	.4	.9	.8	.1												28	28	23	33
[illegible] / 47	.3	2.0	.4	.8	.5	.6												36	36	25	33
4/ 45	.1	2.6	.8	1.0	1.5													48	48	42	27
4/ 43	.3	2.4	1.1	1.9	.9													52	52	50	30
2/ 41	.1	1.9	1.1	1.1	.5													38	38	52	29
4 / 39	.5	3.0	2.0	1.9	.6													64	64	42	43
3[illegible] / 37		2.8	2.1	1.0														47	47	61	33
3[illegible] / 35	.3	4.9	2.5	.8	.3													69	69	55	38
3 / 33	1.0	2.8	2.3	.1														49	49	90	46
[illegible]2/ 31	.1	3.3	1.9	.5														46	46	52	86
[illegible] / 29	.3	1.9	1.6	.6														35	35	50	64
2 / 27		2.6	.4															24	24	25	46
[illegible]/ 25		1.4	.8															17	17	43	59
2[illegible] / 23		1.1	.4															12	12	19	24
2/ 21	.5	.5																8	8	16	43
[illegible] / 19	.3	.1																3	3	6	34
1[illegible] / 17																					26
1[illegible] / 15																					9
1[illegible] / 13																					16
1 / 11																					4
TOTAL	3.8	39.5	23.6	14.3	10.4	3.5	3.0	1.9											797		797
																		797		797	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4312588	57248	71.8	15.871	797							
Dry Bulb	1595624	34476	43.3	11.446	797		16.4	.9				90
Wet Bulb	1313838	31356	39.3	10.038	797		23.8					90
Dew Point	1022298	27156	34.1	11.040	797		46.4					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

12825	YOUNGSTOWN MAP OH	73-81	APR
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 69										.1								1	1		
/ 67									.3									2	2		
6/ 65				.5	.8			.4										13	13		
4/ 63				.9	.8	.1												14	14		
7/ 61		.3	.3	1.4	1.0	.8	.3											31	31	3	
/ 59		.9	.5	1.0	.5	.1	.1											25	25	7	
/ 57		1.1	1.3	.6	.1	.3												27	27	25	8
5/ 55		1.1	1.0	.4	.1	.1	.8											28	28	28	16
4/ 53		1.0	.5	.1	.1	.1	.4	.1										19	19	45	22
2/ 51		1.0	.4	.9	.9	.6	.4											33	33	26	21
5 / 49		.6	.9	1.1	.4	.1												25	25	20	36
4 / 47	.4	2.2	.5	.4	.5	.1												32	32	19	34
6 / 45		2.9	1.1	.8	.6													43	43	34	13
4/ 43		2.4	1.0	1.3	.8													43	43	53	24
2/ 41	.3	2.3	.8	.9	.6													38	38	47	42
4 / 39	.6	3.8	2.3	1.7	.5													70	70	46	46
3 / 37	.3	2.2	1.3	1.5														41	41	46	34
/ 35	.1	5.1	2.4	.5														64	64	55	39
3 / 33	.6	2.9	2.4	.5														51	51	83	30
2/ 31	.3	4.5	2.3	.3														57	58	53	69
/ 29	.8	1.9	2.0															37	37	61	65
2 / 27	.5	2.8	.4															29	29	35	56
/ 25		2.4																19	19	40	63
2 / 23	.3	1.7	.5															19	19	26	24
2/ 21	.4	1.5	.1															16	16	14	45
/ 19	.1	.6																6	6	14	48
1 / 17		.1																1	1	4	25
1 / 15																					6
1 / 13																					8
1 / 11																					9
/ 7																					1
TOTAL	4.6	45.5	22.1	14.8	7.8	2.4	1.9	.5	.3	.1									785		784
																		784		784	

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4487570	58170	74.2	14.802	784							
Dry Bulb	1470004	32756	41.7	11.472	785		21.2	.3				90
Wet Bulb	1231266	30026	38.3	10.191	784		28.4					90
Dew Point	977082	26304	33.6	10.989	784		48.1					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

72[illegible]50 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
[illegible] / 69						.1	.1			.4								5	5		
6 / 67				.1	.1	.5	.3											8	8		
6 / 65			.1	.3	.8													9	9		
4 / 63			.1	1.4	1.0	.5	.5											28	28		
[illegible] / 61			.4	1.3	.4		.5	.1										21	21	3	
/ 59		1.3	1.3	.6	.6	.1	.1	.1										33	33	12	
[illegible] / 57		.9	.6	.5	.5			.3										22	22	35	9
5 / 55	.1	.6	.4	.4	.8	.4	.6											26	26	35	23
[illegible] / 53		.3	.4	.1	.1	.8	.3											15	15	24	22
[illegible] / 51		1.0	.4	.3	.4	.8												22	22	24	28
5 / 49		.5	1.9		.8	.3												27	27	16	19
[illegible] / 47		1.1	1.4	.6	.8	.3												33	33	19	21
[illegible] / 45	.1	3.3	1.3	1.6	.9													57	57	44	17
[illegible] / 43	.1	2.3	.8	2.0	.5	.1												46	46	51	23
[illegible] / 41	.3	3.4	2.4	2.0	.4													67	67	49	51
4 / 39	.8	4.3	1.8	1.4	.3													67	67	62	48
[illegible] / 37	.1	2.6	2.0	1.0														46	46	77	39
[illegible] / 35	.3	4.3	2.8	.9														65	65	56	43
[illegible] / 33	.4	4.1	2.5	.4														59	60	75	54
[illegible] / 31	.1	3.0	2.4	.3														46	46	60	85
[illegible] / 29	.3	2.5	1.1															31	31	48	64
[illegible] / 27	.1	1.9	.3															18	18	37	61
/ 25	.1	2.1	.4															21	21	25	49
[illegible] / 23		1.5	.3															14	14	22	30
[illegible] / 21	.1	.9																8	8	12	40
/ 19	.1	.4																4	4	10	36
[illegible] / 17																				2	18
[illegible] / 15																					8
[illegible] / 13																					5
[illegible] / 11																					4
/ 9																					1
TOTAL	3.0	42.1	24.7	15.0	8.1	3.8	2.4	.5		.4									799		798
																		798		798	

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4457362	58476	73.3	14.705	798							
Dry Bulb	1554325	34085	42.7	11.210	799		16.0	1.5				90
Wet Bulb	1289708	31116	39.0	9.792	798		24.4					90
Dew Point	1016151	27229	34.1	10.451	798		45.2					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

72-25 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | APR 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
[illegible] / 79									.1	.1	.3							4	4		
7[illegible] / 77							.1		.1	.3								4	4		
[illegible]6 / 75							.4	.5	.4	.1								11	11		
[illegible]4 / 73						.4	.4	.3	.1									9	9		
[illegible] / 71						.4	.6	.4	.3		.1							14	14		
/ 69					.8	.5	.1	.8	.3	.1	.1							21	21		
6[illegible] / 67				.1	.5	.4	.3	.1		.1								12	12		
6 / 65			.1	.5	.4	.3	.3	.3	.1									15	15	2	
[illegible]4 / 63			.5	1.0	.4	.5	.4	.1	.3									25	25	7	
[illegible] / 61		.4	1.5	.6	.3		.6	.8	.1									34	34	28	
/ 59		.6	.8	.5	.8	.4	.9	.5	.4									38	38	32	
[illegible] / 57		.5	.5	.4	.8	.8	.9	.9										37	37	39	23
5[illegible] / 55		.9	.4	.1	1.3	.6	1.9	.4										44	44	26	29
[illegible]4 / 53		.3	.6	.6	.6	1.3	1.0											35	35	28	35
2 / 51		.5	.8	2.1	.9	1.4	.3	.1										48	48	22	22
5 / 49		.3	1.3	1.3	1.4	.8	.1											40	40	27	18
[illegible] / 47		1.0	1.6	1.0	2.4	.5	.1											53	53	46	23
4 / 45		.9	1.3	2.0	1.1													42	42	68	24
[illegible]4 / 43		1.3	2.0	1.3	1.5	.1												49	49	68	30
[illegible]2 / 41		2.1	2.1	1.4	1.0													53	53	68	39
4 / 39	.1	2.0	2.5	1.5	.8													55	55	69	50
3[illegible] / 37	.4	1.8	.6	2.0	.5													42	42	58	45
[illegible] / 35		1.4	2.1	1.4	.1													40	40	52	74
3[illegible] / 33	.4	.8	1.4	.4														23	23	50	49
2 / 31	.1	.5	1.6	.4														21	21	35	78
[illegible] / 29		.5	1.1															13	13	29	54
[illegible] / 27		.8	.1															7	7	24	52
[illegible] / 25		.5	.5															8	8	11	42
[illegible] / 23		.1																1	1	7	30
2 / 21																				2	27
[illegible] / 19																					27
[illegible] / 17																					13
1[illegible] / 15																					10
1[illegible] / 13																					2

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

72250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | APR 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
1 / 11																					2
TOTAL	1	0	16	9	23	4	18	5	15	3	8	1	8	3	5	0	2	1	.8	.5	
																			798		798	798
																		798		798	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3347569	49793	62.4	17.376	798		5.6	8.5	3.2	.2		90
Dry Bulb	2056824	39388	49.4	11.891	798		12.2					90
Wet Bulb	1561420	34448	43.2	9.660	798		38.0					90
Dew Point	1120991	28671	35.9	10.679	798							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

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | APR 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
86/ 85												.1						1	1		
84/ 83											.3	.1						3	3		
82/ 81									.1	.3	.8	.1						10	10		
80/ 79								.1	.5	.4	.4							11	11		
78/ 77							.1	.9	.3	.1								11	11		
76/ 75							1.1		.3	.4		.4						17	17		
74/ 73						.1	.5		.8	.5	.3							17	17		
72/ 71						.6	.4	.3	.3	.5								16	16		
70/ 69				.1	.1	1.1	.5	1.1	.1	.3		.1						28	28		
68/ 67				.1	.5	.6	.5	.3	.1	.8	.1							24	24		
66/ 65			.5	.1	.1		.1	.3	.6	.4								17	17	6	
64/ 63		.3	.6	.8		.4	.4	.5	1.0	.6								36	36	33	
62/ 61		.5	.5	.3	.9	.4	.6	1.4	1.6									49	49	28	
60/ 59		.6	.6	.4	.6	1.3	1.5	1.1	.5	.1								54	54	36	10
58/ 57		.6	.5	.1	.1	1.1	1.4	.6	.1	.1								38	39	34	19
56/ 55		.1	.4		1.4	1.8	1.8	.1	.1									45	45	27	32
54/ 53		.4	.5	.6	1.4	2.0	1.1											48	48	33	34
52/ 51		.8	.5	.8	.6	1.5	.4											36	36	31	19
50/ 49		.5	1.0	.5	1.1	.6	.1											31	31	41	22
48/ 47		.4	.5	1.1	.4	1.5	.5											35	35	74	24
46/ 45	.1	.9	1.5	1.5	1.6	1.3	.1											56	56	77	35
44/ 43		1.0	.9	.9	.6	1.3												37	37	61	26
42/ 41		1.9	1.9	1.4	1.0	.1												50	50	60	40
40/ 39	.1	2.0	1.0	1.4	1.4													47	47	52	38
38/ 37		.5	.6	.9	.4													19	20	55	61
36/ 35		.9	.6	.4														15	15	41	58
34/ 33		.5	.4	.1														8	8	45	59
32/ 31	.3	.5	1.3	.1														17	17	18	71
30/ 29		.4	.9															10	10	17	34
28/ 27		.8	.3															8	8	12	59
26/ 25		.1																1	1	12	41
24/ 23																				2	30
22/ 21																					26
20/ 19																					32

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

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

72250 STATION | YOUNGSTOWN 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
[illegible] / 17																					15
1 / 15																					7
[illegible] / 13																					2
1 / 11																					1
TOTAL	.5	13.	6	15.	011.	612.	315.	711.	2	6.7	6.4	4.4	1.8	.9				797			795
																	795		795		

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	2708762	43804	55.1	19.281	795							
Dry Bulb	2431622	42846	53.8	12.694	797		4.1	15.6	7.9	2.4		90
Wet Bulb	1722129	36199	45.5	9.645	795		6.9					90
Dew Point	1143992	28876	36.3	10.947	795		36.0					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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31					
-8/ 87												.1							1	1		
-6/ 85												.3							2	2		
-4/ 83											.3								2	2		
-2/ 81									.3	.5	.5	.3							12	12		
/ 79								.1	.3	1.0	.1								12	12		
2 / 77							.3	.4	.9		.4								15	15		
4/ 75							.3	.5		.4	1.0	.3							19	19		
6/ 73						.3	.8				.5	.3							14	14		
8/ 71					.1	.3	.6	.6	.1	.5	.1								19	19		
/ 69					.6	.6	.4		.4	.3	.6								23	23		
2/ 67				.3	.3	.1	.1	.8	.4	.8	.3								23	23		
4/ 65		.3	.6	.4	.1	.4	.4	.4	.8	1.3									36	36	13	2
6/ 63		.3	.5	.8		.6	.3	.8	1.4	.5									40	40	24	
8/ 61		.3	.5	.4			1.1	1.3	1.6	.4									44	44	41	
/ 59		.5	1.3	.6	.1	.9	1.1	1.5	.4	.3									53	53	29	9
2/ 57		.5	1.0	.4	.3	1.5	1.1	.4	.1										42	42	25	24
4/ 55			.4	.3	.4	1.5	1.5	.4											35	35	36	23
6/ 53		.3	.3	.9	1.8	.8	1.3	.3											43	43	32	27
8/ 51		.4	.4	.8	1.6	1.6	1.0												46	46	27	36
0/ 49		.4	1.0	.4	1.0	1.3	1.3												42	42	60	25
2/ 47		.5	.9	1.0	.1	1.8	.4												37	37	69	15
4/ 45		.6	2.0	.8	1.4	1.1	.1												48	48	75	16
46/ 43		1.1	.8	1.1	.4	1.4													38	38	66	27
48/ 41		1.4	1.3	.9	1.5	.5													44	44	56	34
50/ 39		.6	1.1	1.3	.8	.3													32	32	42	49
52/ 37		1.8	.1	.5	.3														21	21	66	64
54/ 35	.1	1.0	.6	.1															15	15	40	49
56/ 33	.1	.3	.4	.1															7	7	42	60
58/ 31		.9	.9	.4															17	17	15	75
60/ 29		.3	.4	.1															6	6	18	50
62/ 27		.6	.3																7	7	14	41
64/ 25																					7	42
66/ 23																					2	28
68/ 21																						38

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 19																					28
/ 17																					11
/ 15																					12
/ 13																					4
1 / 11																					4
TOTAL	.311	.814	.611	.310	.714	.8	11.9	7.3	6.5	5.8	3.8	1.1							795	795	795
																		795		795	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	2551479	42087	52.9	20.182	795							
Dry Bulb	2510303	43527	54.8	12.655	795		3.4	16.1	8.7	2.4		90
Wet Bulb	1745650	36480	45.9	9.503	795		5.9					90
Dew Point	1125751	28561	35.9	11.205	795		37.7					90

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

72525 | YOUNGSTOWN MAP OH | 73-81 | APR
STATION | STATION NAME | YEARS | 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
84/ 83											.2							1	1		
82/ 81											.1							1	1		
80/ 79									.1	.3								3	3		
78/ 77								.1	.1	.5	.1							7	7		
76/ 75							.3	.6		.1								8	8		
74/ 73						.3	.5	.1	.3	.3	.1							12	12		
72/ 71					.1	.3	.6	.6	.4	.1	.3	.1						20	20		
70/ 69					.1	.1	.3	.4	.1	.4								11	11		
68/ 67				.6	.3	.3	.5		.3	.1	.1							17	17		
66/ 65			.5	.4	.4	.3	.3	.5	.5	.3	.1							25	25		
64/ 63		.4	.5	.3	.4	1.1	.3	.3	1.0									33	33	12	
62/ 61		.4	.6	.5	.6	.4	.1	.9	.5	.1								33	33	32	1
60/ 59		.8	1.4	.5		.4	.6	1.4	.1	.1								42	42	22	6
58/ 57		.6	.6			.9	1.6	.4	.3									35	35	34	24
56/ 55		.3	.6	.4	.9	1.3	.5	.4										34	34	31	25
54/ 53		.1	.3	.4	.9	.9	1.1	.4										32	32	29	17
52/ 51		.4	1.5	1.1	.9	1.1	.4	.3										45	45	24	20
50/ 49		.8	1.8	1.0	1.5	1.3	.8											56	56	25	22
48/ 47		2.0	.9	1.3	1.1	1.4	.3											55	55	61	26
46/ 45		1.6	1.5	1.0	1.3	.6	.3											50	50	80	31
44/ 43	.1	1.4	.8	1.9	1.5	.5												49	49	57	30
42/ 41		1.3	.9	1.6	.6	.4												38	38	69	36
40/ 39		1.1	2.4	1.6	1.0	.4												52	52	47	50
38/ 37		1.5	.8	1.4	.4	.1												33	33	72	43
36/ 35	.5	.8	1.0	1.3	.6													33	33	47	49
34/ 33	.3	.5	1.4	.8	.3													25	26	42	55
32/ 31	.1	.6	.8	.6														17	17	31	77
30/ 29	.6	.3	1.3															17	18	38	51
28/ 27		.5	.6															9	9	18	34
26/ 25			.3															2	2	19	53
24/ 23																				4	23
22/ 21																				1	38
20/ 19																					38
18/ 17																					14

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

725253 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | APR 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
1 / 15																					13
1 / 13																					10
1 / 11																					5
1 / 9																					4
TOTAL	1.	615.	220.	316.	612.	811.	8	8.3	6.3	3.6	2.3	1.0	.1					795	797	795	795

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total
Rel. Hum.	3058185	46875	59.0	19.253	795							
Dry Bulb	2124962	40032	50.2	11.979	797		5.2	9.0	3.6	.3		90
Wet Bulb	1567272	34458	43.3	9.637	795		12.6					90
Dew Point	1074912	27806	35.0	11.355	795		40.8					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

72 25 — STATION
YOUNGSTOWN MAP OH — STATION NAME
73-81 — YEARS
APR — 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
4/ 73								.1										1	1		
/ 71							.3	.1										3	3		
/ 69					.1	.9	.9	.3										17	17		
6 / 67				.3	.4	.1	.1	.1										8	8		
6/ 65				.5	.5	.5	.4	.6										20	20		
4/ 63		.4	.4	.4	.8	.6	.3	.1										23	23		
/ 61		.4	1.3	.4	.5	.6												25	25	10	
/ 59	.1	1.8	.4	.9	.4	.6		.5										37	37	31	4
/ 57		.8	1.3	.3	.3	.4	.4											26	26	34	23
5 / 55		.4	.5	.4	.1	.5	1.3	.5										29	29	25	25
4/ 53		.5	.3	.4	.6	.8	.1	.3										23	23	36	12
2/ 51		.5	1.1	.3	1.1		.1											25	25	20	20
5 / 49		2.0	1.6	1.4	1.3	1.0	.1											59	59	16	37
/ 47		1.6	1.9	1.5	1.1	.5												53	53	37	22
4(/ 45	.1	1.8	1.3	1.6	1.0	.1												47	47	49	33
4/ 43	.3	2.1	1.1	1.4	.9	.3	.1											49	49	69	35
2/ 41	.1	1.0	1.6	1.6	.6	.1												41	41	57	29
4 / 39	.1	2.3	2.5	2.0	.6													60	60	49	45
3 / 37	.4	3.4	2.3	1.4	.3	.1												62	62	71	26
/ 35	.5	2.5	1.9	.8	.4													48	48	66	70
3 / 33	.4	1.0	2.6	.5														36	36	63	50
2/ 31		1.8	1.5	.9														33	33	25	67
/ 29	.3	1.8	1.5	.4														31	31	48	44
2 / 27	.1	1.1	1.9															25	25	32	65
/ 25		.9	.4															10	10	35	43
2 / 23			.3															2	2	18	24
2/ 21	.1																	1	1	3	35
/ 19																					27
1 / 17																					19
1 / 15																					21
1 / 13																					11
1 / 11																					4
/ 9																					2
/ 7																					1

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
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

725253 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | APR 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
TOTAL	2.5	28.0	27.6	17.1	11.0	7.2	4.0	2.6										794	794	794	794

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3907166	54100	68.1	16.694	794							
Dry Bulb	1744904	36130	45.5	11.277	794		11.6	3.3	.1			90
Wet Bulb	1401670	32422	40.8	9.902	794		18.2					90
Dew Point	1063592	27624	34.8	11.371	794		41.1					90

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

12825 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | APR 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
8/ 87												.0						1	1		
6/ 85												.0						3	3		
4/ 83											.1	.0						6	6		
/ 81									.0	.1	.2	.0						23	23		
/ 79								.0	.1	.2	.1							30	30		
7 / 77							.1	.2	.2	.1	.1							37	37		
6/ 75							.3	.2	.1	.1	.1	.1						55	55		
4/ 73						.1	.3	.1	.1	.1	.1	.0						53	53		
/ 71					.0	.2	.3	.3	.1	.1	.1	.0						72	72		
/ 69				.0	.2	.4	.3	.3	.1	.2	.1	.0						106	106		
/ 67				.2	.3	.3	.3	.2	.1	.2	.1							102	102		
6/ 65		.0	.2	.4	.5	.3	.3	.4	.3	.2	.0							166	166	21	2
4/ 63		.2	.4	.7	.5	.5	.3	.2	.5	.1								220	220	76	
/ 61		.3	.7	.7	.6	.3	.4	.6	.5	.1								261	261	149	1
/ 59	.0	.9	.8	.7	.4	.5	.6	.6	.2	.1								304	304	187	30
/ 57		.7	.8	.3	.3	.6	.7	.4	.1	.0								247	248	248	143
5/ 55	.0	.6	.6	.3	.6	.8	1.1	.3	.0									269	269	245	191
4/ 53		.5	.5	.4	.8	.8	.7	.2										246	246	267	189
2/ 51		.7	.8	.8	.9	.9	.3	.0										291	291	199	188
5 / 49		.8	1.2	.8	1.1	.7	.3											308	308	228	212
4/ 47	.1	1.4	1.7	1.0	.9	.8	.2											334	334	350	198
4/ 45	.1	1.8	1.3	1.3	1.2	.4	.1											391	391	469	198
4/ 43	.1	1.7	1.1	1.5	.9	.5	.1											363	363	475	225
2/ 41	.1	1.9	1.5	1.4	.8	.1												369	369	458	300
4 / 39	.3	2.4	2.0	1.6	.7	.1												447	447	409	369
3 / 37	.1	2.1	1.2	1.2	.2	.0												311	312	506	345
/ 35	.2	2.6	1.7	.8	.2													349	349	412	420
3/ 33	.4	1.6	1.7	.4	.0													258	260	490	403
2/ 31	.1	1.9	1.6	.4														254	255	289	608
/ 29	.3	1.2	1.2	.1														180	181	305	426
2 / 27	.1	1.4	.5															127	127	197	414
2/ 25	.1	.9	.3															78	78	192	392
2/ 23	.1	.6	.2															48	48	100	213
2/ 21	.1	.4	.0															33	33	48	292

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Ref. 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

[redacted] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | APR 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
[illegible] / 19	.1	.1																13	13	30	270
[illegible] / 17		.0																1	1	6	141
1[illegible] / 15																					86
[illegible] / 13																					58
1. / 11																					33
[illegible] / 9																					7
/ 7																					2
TOTAL	2.	2	2.	6	2.	1.	4	1.	4.	9	1.	1	8.	4	6.	4	3.	9	2.	4	1.	7	.9	.3		6362		6356
																		6356		6356	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	±	Mean No. of Hours with Temperature ± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total
Rel. Hum.	28830681	410553	64.6	19.073	6356							
Dry Bulb	15488568	303240	47.7	12.755	6362		83.3	55.2	23.5	5.3		720
Wet Bulb	11832951	266505	41.9	10.179	6356		132.2					720
Dew Point	8544775	222227	35.0	11.043	6356		333.3					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

72[illegible] YOUNGSTOWN MAP OH 73-81 MAY
STATION STATION NAME YEARS 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
[illegible]/ 73				.1	.3													3	3		
[illegible]/ 71				.4	.1				.1									5	5		
[illegible]/ 69			.4	.3	.4	.4		.3										13	13		
6[illegible]/ 67			.8	.8	.8	.5			.4									25	25	1	
6[illegible]/ 65		.8	.9	.5	.5	.1	.1											23	23	10	
4[illegible]/ 63		2.3	1.2	.6	.5	.9	.4	.1										47	47	22	12
[illegible]/ 61		1.2	.9	.6	.8	.3	.4	.1										33	33	31	19
[illegible]/ 59	.3	2.1	1.7	.5	.5	.5	.4											46	46	38	28
[illegible]/ 57	.8	4.0	3.2	1.3	.3	.4	.5	.4										84	84	46	41
5[illegible]/ 55	.3	1.8	1.2	.6	1.3	.5	.1											45	45	52	43
4[illegible]/ 53	.3	1.8	1.6	1.2	.6	.3												44	44	67	42
2[illegible]/ 51	.4	2.7	2.5	1.7	.3	.1	.1											60	60	53	51
5[illegible]/ 49	.3	3.5	2.3	1.4	.3	.4												63	63	48	51
[illegible]/ 47		2.9	.4	1.0	.5													37	37	72	53
4[illegible]/ 45		2.1	2.6	1.6	.6													53	53	65	41
[illegible]4/ 43	.4	2.2	1.6	.9														39	39	31	45
[illegible]2/ 41		2.6	.9	.5														31	31	55	43
4[illegible]/ 39	.1	1.6	2.3	1.0	.3													41	41	47	46
3[illegible]/ 37	.4	.6	1.6	.5														24	24	32	53
[illegible]/ 35	.4	1.9	1.0	.3														28	28	32	48
3[illegible]/ 33		1.0	1.2															17	17	37	25
2[illegible]/ 31		.4	.5															7	7	17	46
[illegible]/ 29																				9	30
2[illegible]/ 27			.3															2	2	3	21
[illegible]/ 25			.1															1	1		16
24[illegible]/ 23																				3	4
2[illegible]/ 21																					7
[illegible]/ 19																					3
1[illegible]/ 15																					1
[illegible]/ 13																					2
TOTAL	3.5	35.5	29.1	16.0	8.0	4.4	2.1	.9	.5									771		771	
																		771		771	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4646225	58693	76.1	15.212	771							
Dry Bulb	2133090	39868	51.7	9.639	771		1.2	5.5	.4			93
Wet Bulb	1829282	36906	47.9	9.022	771		3.9	.1				93
Dew Point	1569300	33852	43.9	10.381	771		15.7					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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAY 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
/ 71			.3	.1														3	3		
/ 69			.1	.1			.1	.3										5	5		
/ 67			.7	.4	.1	.1		.1										11	11	2	
/ 65		.5	1.4	.7	.3	.3		.3										26	26	2	
/ 63		2.1	1.2	.9	.3	.1	.1											36	36	17	6
/ 61	.1	1.6	.4	.8		.5												26	26	32	22
/ 59	.4	3.3	2.5	.9	.7	.5	.4											66	66	32	30
/ 57	.7	3.3	2.2	.8	.3	.7	.3											62	62	51	32
/ 55	.3	.7	1.6	1.2	.8	.3												36	36	50	46
/ 53	.8	3.3	1.3	.9	1.0	.3												58	58	41	36
/ 51	.1	4.8	1.2	.8	.5	.1												58	58	59	43
/ 49		3.4	2.1	.4	.7													50	50	58	54
/ 47	.4	3.0	.8	.4	.5													39	39	61	55
/ 45		2.6	1.3	1.2	.5													43	43	50	48
/ 43	.4	2.8	1.6	1.0	.3													46	46	39	30
/ 41	.1	2.2	1.7	.4														34	34	43	52
/ 39	1.1	2.9	2.8	.8	.1													58	59	56	42
/ 37	.1	2.0	1.0	.5														28	28	46	46
/ 35	.3	2.5	2.0															36	36	35	39
/ 33	.3	2.2	.5															23	23	44	40
/ 31	.1	1.4	.4															15	15	26	55
/ 29		.1	.3															3	3	14	34
/ 27		.1																1	1	2	21
/ 25																				3	11
/ 23																					13
/ 21																					4
/ 19																					3
/ 17																					1
TOTAL	.1	44.8	27.3	12.3	6.0	2.9	.9	.7										763	764	763	763

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4950797	60542	79.3	13.887	763							
Dry Bulb	1979998	38182	50.0	9.700	764		2.3	2.3				93
Wet Bulb	1735493	35703	46.8	9.225	763		5.5	.2				93
Dew Point	1523186	33170	43.5	10.322	763		17.3					93

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

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAY 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
4/ 73				.1	.1		.1											3	3		
/ 71			.1	.6	.1	.4	.2											12	12		
/ 69			.7	.2	.2	.5	.4	.1										18	18		
/ 67		.4	1.3	.9	.5	.4												28	28	6	1
6/ 65		1.3	1.6	1.1	.2	.4	.2	.1										41	41	12	4
4/ 63		1.9	1.5	1.1	.6	.7	.5											52	52	35	16
2/ 61		2.2	.6	1.0	1.2	1.0	.4											50	50	45	35
/ 59	.2	2.3	2.7	.7	.5	1.0	.4											64	64	54	37
/ 57	.4	2.7	1.7	.9	1.0	1.0	.1											63	63	44	45
5/ 55	.1	1.8	1.0	1.0	1.2	.9	.1											50	50	63	43
4/ 53	.5	3.2	1.1	1.3	.9	.4												60	60	51	52
2/ 51	.2	2.4	1.6	.9	1.3	.2												55	55	64	51
5/ 49		2.2	2.4	1.8	1.0	.2												63	63	62	45
/ 47	.2	2.6	.7	.4	.7													38	38	65	51
4/ 45	.1	3.8	1.7	1.5	.6													63	63	60	50
4/ 43	.1	2.6	1.2	.9														39	39	58	57
2/ 41	.2	1.6	2.2	.7	.1													40	40	55	48
4 / 39	.2	1.5	1.2	.4														27	27	38	56
3/ 37	.2	.7	1.0	.5														20	20	38	53
3/ 35	.4	1.1	.9															19	19	28	43
34/ 33	.1	.9	.1															9	9	26	38
2/ 31		.5	.4															7	7	9	36
/ 29																				8	25
/ 27			.1															1	1		17
/ 25																				1	11
/ 23																					6
2/ 21																					1
/ 19																					1
TOTAL	3.2	35.5	25.8	15.8	10.1	6.9	2.4	.2										822		822	822
																	822		822		

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4933319	62464	76.0	15.078	822							
Dry Bulb	2398860	43724	53.2	9.435	822		.9	6.9	.3			93
Wet Bulb	2056538	40466	49.2	8.860	822		2.0	.7				93
Dew Point	1773407	37263	45.3	10.127	822		11.0	.1				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

72[illegible]25 — STATION
YOUNGSTOWN MAP OH — STATION NAME
73-81 — YEARS
MAY — 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
4/ 33								.1		.1								2	2		
-/ 91						.2	.2	.4		.1								8	8		
/ 79						.5	.5	.2	.7			.2						18	18		
7 / 77					.2	1.0	.4	.1	.4	.1	.2							20	20		
6/ 75					1.6	1.5	.5	.4	.2	.5	.4							41	41		
4/ 73				1.1	.9	.9	.9	.4	.2									35	35		
7 / 71			.4	1.4	1.0	.9	.6	.5	.2	.4								43	43	3	
/ 69			.9	1.1	1.0	.5	.6	1.2	.2	.1	.4							49	49	16	
6 / 67			1.0	.7	1.1	.7	.6	.7	.6	.1								46	46	41	3
6/ 65		.4	1.1	1.1	.9	1.1	1.0	1.4	.5	.2								62	62	44	20
4/ 63		1.0	.5	.5	1.1	1.1	1.2	.2	.5									50	50	51	34
/ 61		.9	1.2	1.2	.5	.6	.6	1.6										54	54	52	35
/ 59		1.1	1.4	.5	.9	1.7	1.4	.4										59	59	42	48
-/ 57	.1	1.1	1.0	.9	.7	1.4	.7											48	48	65	43
5 / 55		1.5	1.4	1.1	1.7	1.6	.7											65	65	66	52
-4/ 53		.9	1.1	.6	1.4	.9	.1	.1										41	41	54	47
2/ 51	.1	1.4	1.5	1.0	.7	.6	.1											44	44	67	44
5 / 49		.7	.9	.2	.7	.1	.1											23	23	69	39
4 / 47		.7	.9	.5	.9	.7												30	30	68	50
4/ 45		1.2	1.4	.7	.6													32	32	48	45
4/ 43		.4	.6	.7	.5													18	18	37	49
2/ 41		.2	1.1	.1	.1													13	13	26	43
4 / 39		.1	.4	.1	.1													6	6	28	53
3 / 37		.1		.1														2	2	24	40
3 / 35		.4																3	3	6	40
3 / 33																				3	45
2/ 31																				2	42
/ 29																					18
2 / 27																					7
2 / 25																					9
2 / 23																					2
2/ 21																					1
/ 19																					1
1 / 17																					2

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
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

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAY 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
TOTAL	.2	12.	116.	513.	816.	616.	010.3	7.8	3.7	1.7	1.0	.2						812	812	812	812

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3346948	50086	61.7	17.820	812							
Dry Bulb	3125613	49705	61.2	10.118	812			30.0	14.2	1.6		93
Wet Bulb	2395448	43542	53.6	8.643	812		.2	6.9				93
Dew Point	1871925	38009	46.8	10.695	812		9.4	.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

72525 — STATION
YOUNGSTOWN MAP OH — STATION NAME
73-81 — YEARS
MAY — 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
8/ 87													.1					1	1		
6/ 85							.1	.2	.2	.2	.5	.1						12	12		
4/ 83							.4	.4	.7	.9	.4	.1		.2				25	25		
/ 81						.1	1.1	1.0	.6	.7		.7	.2					37	37		
/ 79						.9	.4	1.0	1.0	.6	.2	.4	.1					37	37		
7 / 77					.2	1.1	.6	.7	.4	.2	.7	.1						34	34		
6/ 75				.1	.9	1.0	1.0	1.3	.5	.1	.5							44	44		
4/ 73				.7	1.1	1.1	.4	1.2	1.0	1.1	.9	.1						62	62	1	
2/ 71			.2	.4	.9	.4	.9	1.1	1.3	.7	.9							55	55	9	
/ 69			.6	.4	.6	.7	.9	1.0	.2	.7	.1							43	43	26	
6 / 67		.1	.5	.6	.7	1.1	.2	.5	.4	.9								41	41	48	4
6/ 65	.1	.1	.9	1.3	1.0	1.1	.6	1.6	1.2	.5								69	69	58	14
4/ 63		.4	.2	1.0	.9	.6	.9	1.1	.9									48	48	56	34
2/ 61	.1	.4	.7	.5	.9	.9	1.3	1.7										53	53	52	40
/ 59		1.1	.4	.4	.6	1.2	.9	.2	.1									40	40	66	44
/ 57	.2	1.1	.1	1.1	.2	.5	1.0	.4										38	38	76	52
5 / 55		.5	1.0	.7	1.3	.7	.5	.1										40	40	59	40
4/ 53		.6	.7	.6	1.1	.4	1.0											36	36	53	60
2/ 51		1.2	1.0	.4	.2	1.1	.7											38	38	65	46
5 / 49		.2	.6	.2	.5	.6												18	18	80	47
/ 47		.5	.4	.6	.7	.1												19	19	45	40
/ 45		.4	.6	.4	.6													16	16	41	43
4/ 43		.1	.7		.5													11	11	22	50
2/ 41			.2		.1													3	3	31	37
/ 39																				22	51
/ 37	.1	.1																2	2	9	44
/ 35	.1																	1	1	4	47
/ 33																					38
/ 31																					40
/ 29																					18
/ 27																					15
/ 25																					12
/ 23																					4
/ 21																					3

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31				
TOTAL	.7	6.8	8.9	9.4	13.0	13.5	12.6	13.5	8.5	6.7	4.1	1.6	.5	.2				823	823	823	823

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2622511	43835	53.3	18.710	823							
Dry Bulb	3648670	54088	65.7	10.692	823			44.2	28.5	10.5		93
Wet Bulb	2586574	45624	55.4	8.353	823			9.5	.1			93
Dew Point	1884824	38372	46.6	10.793	823		10.4	.5				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAY 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
86/ 85								.2	.4	.9	.9	.4						22	22		
84/ 83								.7	.2	.5	.5	.9	.1	.1				25	25		
82/ 81						.1	.9	.2	1.2	1.0		.1	.5					33	33		
80/ 79						.4	1.1	1.0	.9	.2	.4	.7						38	38		
78/ 77					.1	.4	.9	.5	.6	.6	.6	.2						32	32		
76/ 75			.1		.9	1.2	.9	1.2	1.2	.7	1.0	.4						62	62		
74/ 73			.1	.5	.7	.9	.9	1.2	.5	.9	.6	.4						54	54	1	
72/ 71		.1	.2	.5	.5	.4	.5	.4	1.1	1.1	1.0	.2						49	49	5	1
70/ 69		.1	.5	.5	.9	1.0	.5	.9	.5	.9	.2							48	48	24	2
68/ 67			.9	.4	.2	1.2	.6	.1	1.3	.5								43	43	45	
66/ 65		.1	1.0	1.6	.5	.2	1.5	1.1	2.1	.4								69	69	65	10
64/ 63		.4	.5	.5	.1	1.1	1.2	.9	.4									41	41	53	27
62/ 61		.7	1.1	.4	.2	1.1	1.2	1.0										47	47	51	37
60/ 59		1.5	.2	.7	.5	.4	.7	.2	.2									37	37	70	47
58/ 57	.4	.9	1.2	.7	.6	.6	1.3	.5										51	51	75	53
56/ 55		.5	.9	.4	.7	1.1	.9	.1										37	37	55	53
54/ 53		.4	.5	.6	.6	1.1	1.3	.1										38	38	66	43
52/ 51		.7	1.3		.4	.7	.4											29	29	78	59
50/ 49			.7	.2	.6	.5												17	17	59	39
48/ 47		.4	.6	.1	.4													12	12	45	28
46/ 45		.6	.4	.2	.2													12	12	41	55
44/ 43			.4	.2	.2													7	7	26	43
42/ 41			.2	.5	.1													7	7	25	32
40/ 39		.1	.2															3	3	13	50
38/ 37		.2																2	2	14	52
36/ 35																				4	37
34/ 33																					45
32/ 31																					47
30/ 29																					15
28/ 27																					21
26/ 25																					15
24/ 23																					3
22/ 21																					1

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_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 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

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	.4	6.7	11.2	8.1	8.6	12.4	14.7	10.4	10.7	7.6	5.2	3.3	.6	.1				815	815	815	815

Element (X)	Σ_X'	Σ_X	$\bar{X}$	σ_n	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2487923	42163	51.7	19.410	815							
Dry Bulb	3678476	54052	66.3	10.727	815			46.3	30.4	11.3		93
Wet Bulb	2569040	45266	55.5	8.214	815			8.6	.1			93
Dew Point	1834225	37645	46.2	10.826	815		11.6	.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

72525 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) MAY (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
8/ 85											.1							1	1		
4/ 83									.1	.2	.2							5	5		
2/ 81							.2	.1	.5	.5		.2						13	13		
/ 79						.5	.2	.6	.5	.4								18	18		
7/ 77					.4	.1	.2	.4	.4	.1	.4							16	16		
6/ 75					1.0	.5	.4	1.3	.7	.5	.1							37	37		
4/ 73			.1	.5	.2	1.3	.5	.9	.4	.4	.7							41	41		
2/ 71			.4	1.2		1.0	1.0	.2	.4	1.0								42	42	1	
/ 69			.2	1.0	1.1	.4	.5	1.3	.5	.4	.1							45	45	13	1
6/ 67		.4	1.5	.9	1.2	.4	.7	.5	.5	.4	.1							53	53	27	2
6/ 65		.5	1.6	.9	1.3	.6	.6	1.0	1.1	.4								65	65	34	9
4/ 63		.5	1.6	.6	.4	.9	.6	1.1	.6	.1								52	52	55	28
2/ 61		1.3	1.7	1.2	.1	.9	1.1	.6										57	57	61	29
/ 59		1.8	.7	.9	.6	1.1	.9	1.2										59	59	71	42
7/ 57	.2	1.2	.7	.4	.7	1.0	1.0	.1										44	44	71	58
5/ 55		1.3	1.5	1.0	1.3	1.1	1.3											62	62	50	56
4/ 53		1.0	.9	1.1	.7	.9	.7	.1										44	44	62	51
2/ 51		1.2	1.8	.7	.2	1.3	.5											48	48	57	45
5/ 49		.1	1.1	.7	.9	1.1												32	32	68	43
4/ 47		.1	.7	.4	.9	.5	.1											22	22	65	34
4/ 45		1.2	.5	1.0	.7													28	28	45	37
4/ 43			.5	.5	.2													10	10	47	58
2/ 41			.4	.4	.6													11	11	25	42
4/ 39		.2	.7	.6	.1													14	14	30	51
3/ 37				.1														1	1	21	42
3/ 35		.1																1	1	8	27
34/ 33																				10	36
2/ 31																					53
/ 29																					20
28/ 27																					24
26/ 25																					19
24/ 23																					4
2/ 21																					3
/ 19																					7

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

USAFETAC FORM 0-26-5 (OL A) AS 44 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72250	YOUNGSTOWN MAP OH	73-81	MAY
STATION	STATION NAME	YEARS	MONTH

PAGE 2 — 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
TOTAL	.2	11.1	16.6	13.9	12.8	13.4	10.6	9.5	5.6	4.3	1.8	.2						821	821	821	821

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3159937	48413	59.0	19.289	821							
Dry Bulb	3198361	50567	61.6	10.1 2	821			30.7	14.8	3.1		93
Wet Bulb	2393280	43772	53.3	8.522	821			4.6				93
Dew Point	1814591	37497	45.7	11.154	821		14.7	.3				93

USAFETAC FORM AA 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAY MONTH

PAGE 1 | 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
76/ 75					.3	.3												4	4		
74/ 73				.6		.4	.1		.3									11	11		
72/ 71			.1	.5	.6	.6	.1	.1										17	17		
7 / 69			.1	.5	1.2	1.0			.3									23	23	1	
68/ 67		.5	1.5	.6	.3	.3	.5		.1									30	30	8	
6/ 65		.1	2.7	.4	.3	.4	.6	.4										38	38	14	3
64/ 63		1.3	1.7	1.8	.6	.9	.6	.1										55	56	34	18
62/ 61		1.1	2.3	1.0	1.5	.6	.1	.1										54	54	43	21
/ 59		2.7	1.3	.9	.9	.6	.4	.6										58	58	44	34
56/ 57		3.2	1.8	1.8	.6	.6	.4	.1										67	67	62	52
54/ 55	.3	2.2	1.1	.6	1.4	.3	.6											51	51	57	60
4/ 53		2.2	1.8	1.5	1.8	.1	.3											60	60	61	45
52/ 51		2.0	1.7	1.4	1.1	.4												52	52	60	37
5 / 49		1.7	3.4	1.1	1.1	.4												61	61	52	49
4 / 47		1.5	1.0	1.9	.3													37	37	64	55
46/ 45		1.9	1.4	.8	.8	.1												39	39	64	43
44/ 43		1.8	1.1	.8	.4	.1												33	33	47	45
42/ 41		.6	1.8	1.1	.5													32	32	49	54
4 / 39		.6	1.7	.6	.3													25	25	25	44
36/ 37		.4	1.5	.6														20	20	33	46
3 / 35		.6	.8	.3														13	13	25	39
34/ 33	.1	.1	.1															3	3	32	26
32/ 31		.1	.1															2	2	6	43
/ 29																				3	19
28/ 27																				1	19
26/ 25																					17
24/ 23																					7
22/ 21																					3
/ 19																					6
TOTAL	.4	24.7	29.0	19.0	13.8	7.1	3.8	1.5	.6										786		785
																		785		785	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4224528	56234	71.6	15.818	785							
Dry Bulb	2422521	43011	54.7	9.369	786		.2	10.1	1.8			93
Wet Bulb	2010719	39130	49.8	8.762	785		1.2	1.1				93
Dew Point	1682167	35393	45.1	10.499	785		13.5					93

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

72-25? STATION | YOUNGSTOWN 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 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/ 87													.0					1	1		
6/ 85							.0	.1	.1	.1	.2	.1						35	35		
4/ 83							.0	.2	.1	.2	.1	.1	.0	.0				57	57		
2/ 81						.1	.3	.2	.3	.3		.1	.1					91	91		
/ 79						.3	.3	.4	.4	.2	.1	.2	.0					111	111		
7/ 77					.1	.3	.3	.2	.2	.1	.2	.0						102	102		
6/ 75			.0	.0	.6	.6	.3	.5	.3	.2	.2	.0						188	188		
4/ 73			.0	.5	.4	.6	.4	.5	.3	.3	.3	.1						209	209	2	
2/ 71		.0	.2	.6	.4	.5	.4	.3	.4	.4	.2	.0						226	226	18	1
/ 69		.0	.5	.5	.7	.6	.4	.6	.2	.3	.1							244	244	80	3
6/ 67		.2	1.0	.7	.6	.6	.3	.2	.4	.2	.0							277	277	178	10
6/ 65	.0	.5	1.4	1.0	.6	.5	.6	.7	.6	.2								393	393	239	60
4/ 63		1.2	1.0	.9	.6	.8	.7	.5	.3	.0								381	382	323	175
2/ 61	.0	1.2	1.1	.8	.6	.7	.7	.7										374	374	367	238
/ 59	.1	2.0	1.3	.7	.6	.9	.7	.3	.0									429	429	417	310
5/ 57	.3	2.2	1.5	1.0	.6	.8	.7	.2										457	457	490	376
5/ 55	.1	1.3	1.2	.8	1.2	.8	.5	.0										386	386	452	393
4/ 53	.2	1.6	1.1	1.0	1.0	.5	.4	.0										381	381	455	376
2/ 51	.1	2.0	1.6	.8	.6	.6	.2											384	384	503	376
5 / 49	.3	1.5	1.7	.8	.7	.4	.0											327	327	496	367
/ 47	.1	1.4	.7	.7	.6	.2	.0											234	234	485	366
4/ 45	.0	1.7	1.2	.9	.6	.0												286	286	414	362
4/ 43	.1	1.2	1.0	.6	.3	.0												203	203	307	377
2/ 41	.0	.9	1.1	.5	.2													171	171	309	351
4/ 39	.2	.9	1.1	.4	.1													174	175	259	393
3/ 37	.1	.5	.6	.3														99	99	217	376
3/ 35	.1	.8	.6	.1														101	101	142	320
34/ 33	.1	.5	.2															52	52	152	293
2/ 31	.0	.3	.2															31	31	60	362
/ 29		.0	.0															3	3	34	179
28/ 27		.0	.0															4	4	6	145
26/ 25			.0															1	1	4	110
24/ 23																				3	43
2/ 21																					23

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAY 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
-/19																					21
-/17																					3
1-/15																					1
-/13																					2
TOTAL	1.	7	21.	9	20.	4	13.	5	11.	2	9.7	7.3	5.7	3.8	2.6	1.5	.7	.1	.0	6412	6414	6412	6412

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	30372170	422430	65.9	19.912	6412							
Dry Bulb	22585589	373197	58.2	11.656	6414		4.5	178.8	92.1	27.0		744
Wet Bulb	17576369	330409	51.5	9.266	6412		12.4	32.3	.2			744
Dew Point	13953625	291201	45.4	10.662	6412		103.2	1.6				744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JUN 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
7 / 77					.1													1	1		
6/ 75				.3	.6													6	6		
4/ 73			.7	2.1	.1	.1												22	22		
/ 71		.1	2.3	.6	.9													27	27		
/ 69		1.4	2.7	1.8	1.0	.1												50	50	18	2
/ 67		2.6	2.4	1.8	.1	.6	.4											56	56	51	19
6/ 65	.4	4.4	3.0	1.8	1.1													76	76	48	57
4/ 63		3.4	3.6	2.4	1.0	.3												75	75	65	44
2/ 61	.7	3.1	1.8	1.6	1.1													59	59	72	67
/ 59	.1	4.1	2.6	2.4	.6													69	69	63	51
/ 57	.3	2.7	2.1	.3	.3													40	40	68	66
5/ 55		3.4	2.1	1.4														49	49	72	55
4/ 53	.1	4.4	2.3	1.3														57	57	53	59
2/ 51	.1	1.7	.7	.1														19	19	54	57
5 / 49		2.4	1.4	.1														28	28	34	55
/ 47		1.1	.9															14	14	29	59
4/ 45		1.4	1.4															20	20	19	26
4/ 43	.3	.6	.6															10	10	18	25
2/ 41		1.1	.3															10	10	15	15
4 / 39	.3	.9	.3															10	10	11	15
3/ 37	.1	.6																5	5	9	13
3 / 35	.1																	1	1	5	10
3/ 33																					6
2/ 31																					3
TOTAL	2.7	39.5	31.1	18.2	7.0	1.1	.4												704		704
																		704		704	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4765529	57477	81.6	10.184	704							
Dry Bulb	2586644	42276	60.1	8.256	704			20.7	3.7			90
Wet Bulb	2306393	39931	56.7	7.683	704			8.8				90
Dew Point	2120494	38210	54.3	8.144	704		.4	2.7				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

72-252 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JUN 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
[illegible] / 75					.4													3	3		
[illegible] / 73			.3	.3														4	4		
[illegible] / 71		.1	1.6	.9														18	18		
[illegible] / 69		1.3	1.6		.3	.1												23	23	9	2
6[illegible] / 67	.1	3.9	4.3	1.0	.4	.1												69	69	38	18
6[illegible] / 65	.3	3.3	2.7	1.1	1.0	.1												60	60	40	45
4[illegible] / 63		5.6	3.3	1.7	.9													80	80	63	44
[illegible] / 61	.1	2.4	3.6	1.9	.4		.1											60	60	65	57
[illegible] / 59	.3	4.6	3.1	1.0	.1													64	64	50	43
[illegible] / 57	.3	4.3	1.3	.7	.3													48	48	82	60
5[illegible] / 55	.4	4.1	2.3	.7														53	53	65	69
[illegible]4 / 53	.1	3.6	3.0	.6														51	51	56	64
2 / 51	.1	3.1	2.3	.1														40	41	48	50
[illegible] / 49		3.7	.9															32	32	46	55
[illegible] / 47	.1	1.7	1.4	.4														26	26	44	46
4 / 45	.6	1.4	.1	.1														16	16	23	51
[illegible]4 / 43	.1	1.4	.7															16	16	21	24
3 / 41	.1	.6	.6															9	9	9	15
4 / 39	.7	1.1	.1															14	14	18	15
3 / 37	.6	1.4																14	14	17	13
[illegible] / 35	.1																	1	1	7	17
3 / 33																					9
2 / 31																					4
TOTAL	4.3	47.6	33.1	10.6	3.9	.4	.1												702		701
																		701		701	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Wet Bulb	5051252	59147	84.4	9.403	701							
Dry Bulb	2424906	40844	58.2	8.318	702			15.0	.9			90
Wet Bulb	2198342	38864	55.4	7.900	701			6.0				90
Dew Point	2048933	37445	53.4	8.345	701		.5	2.6				90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72425 YOUNGSTOWN MAP OH 73-81 JUN
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 79			.1		.1	.1												3	3		
7 / 77				.5	.5													8	8		
6/ 75		.1		.5	.4	.2												10	10	1	
4/ 73		.1	.9	2.2	.2	.7	.1											35	35	3	1
/ 71		.1	2.0	1.0	.7	.4												34	34	9	2
/ 69	.2	2.0	3.2	1.7	1.2	.4												71	71	24	10
6 / 67	.5	2.5	3.2	1.4	1.6	.4	.1											78	78	66	40
6/ 65	.4	3.1	2.1	2.9	1.6	.4												84	84	62	53
4/ 63		4.1	4.2	2.9	.9													97	97	88	70
/ 61	.2	2.6	2.4	3.0	.9	.1	.1											75	75	68	62
/ 59	.1	3.6	2.6	1.0	.4	.2												64	64	96	65
/ 57	.1	2.9	1.6	1.1	.2	.1												49	49	81	72
5 / 55	.2	2.5	1.5	.9	.6	.1												47	47	76	92
4/ 53	.2	2.6	2.0	.5	.2													45	45	54	73
2/ 51	.1	2.0	1.7	.5	.1													36	36	48	56
5 / 49		1.5	1.5	.6														29	30	45	48
/ 47		1.1	.5															13	13	28	57
4/ 45		.5	.6															9	9	25	27
4/ 43	.1	.4	.4															7	7	10	23
2/ 41		.5																4	4	10	15
/ 39	.1	.1	.1															3	3	5	18
/ 37																				2	13
/ 35																					3
/ 33																					1
TOTAL	2.5	32.5	30.8	20.7	9.9	3.2	.4											801	802	801	801

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5227042	64074	80.0	11.270	801							
Dry Bulb	3125881	49733	62.0	7.545	802			26.8	6.3	.2		90
Wet Bulb	2756907	46653	58.2	7.042	801			11.6	.4			90
Dew Point	2520135	44503	55.6	7.712	801			6.0	.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

72825 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JUN MONTH

PAGE 1 | 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
6/ 85					.1	.4	.1	.1										6	6		
4/ 83					.1	.5	.5	.1	.1									11	11		
/ 81					1.0	.9	1.1	.5	.3	.1								31	31		
/ 79			.1	.1	1.3	1.4	1.3	1.3	.3									45	45		
7 / 77			.1	.6	2.3	2.5	2.5	.6		.1								70	70	2	
6/ 75			.3	1.3	2.9	1.9	1.4	1.3	.3									73	74	5	2
4/ 73		.1	.5	1.8	1.7	2.4	1.0	.9	.6									71	71	26	1
2/ 71		.6	1.4	.9	2.0	2.3	1.4	1.0	.1									77	77	32	7
/ 69		1.8	2.4	1.8	2.5	2.0	1.5	.8	.3									103	103	64	28
5 / 67		.5	2.3	1.4	1.3	1.8	.8	.4										66	66	93	57
6/ 65		.9	2.2	1.3	1.7	1.1	.5	.5										64	64	96	54
4/ 63		1.0	1.3	1.3	1.3	.8	.6	.3										49	49	95	71
2/ 61	.1	.3	.4	1.4	.6	.5	.3	.1										29	29	89	73
/ 59		.6	1.1	.5	.5	.6	.3											28	28	74	79
/ 57		.5	.3	.5	.6	.5	.1											20	20	59	85
5 / 55		.6	.6	.3	.5													16	16	47	53
4/ 53		.3	.5	.1	.4													10	10	33	49
2/ 51		.1	.1	.3	.1													5	5	23	59
5 / 49		.5	.3	.4														9	9	20	42
/ 47		.3	.1															3	3	17	37
4 / 45																				8	29
4/ 43																				3	14
2/ 41																					17
4 / 39																					14
3 / 37																					5
2/ 35																					10
TOTAL	.1	8.1	13.9	13.6	21.0	19.7	13.5	7.9	1.9	.3								786	787	786	786

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3461862	50954	64.8	14.217	786							
Dry Bulb	3894746	55052	70.0	7.462	787			63.4	35.2	7.9		90
Wet Bulb	3076497	48905	62.2	6.545	786			25.4	3.8			90
Dew Point	2603860	44794	57.0	8.065	786			10.9	.3			90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72425 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JUN 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
/ 89								.4	.1									4	4		
8/ 87					.3		.3	.1	.5	.1	.1							11	11		
6/ 85						.4	1.4	.9	.8	.3	.1	.1						31	31		
4/ 83				.1	.1	.8	1.3	2.0	1.6	.9	.1							55	55		
/ 81				.1	.5	1.4	2.0	2.9	1.8	.4	.1							73	73		
/ 79				.3	.6	2.5	1.8	3.0	2.4	.6	.1							90	91	2	
7 / 77				.5	1.9	.6	2.5	1.1	1.6	.5								70	70	2	2
6/ 75			1.1	.5	2.1	2.0	1.5	1.5	2.5	.3								92	92	12	2
4/ 73			.6	1.1	1.1	1.6	1.6	1.5	1.3	.3								73	73	41	
/ 71		.4	.9	.8	1.0	1.5	2.5	.9	1.0	.1								72	72	51	10
/ 69		.3	1.6	.6	.8	.3	.9	.6	.4									43	43	82	39
/ 67		.4	2.0	.6	.6	.9	1.1	1.6	.3									60	60	111	42
6/ 65		.6	.6	.6	.5	.6	.8	.5	.3									36	36	102	59
4/ 63		.3	.3	.4	.4	.8	.8	.1										23	23	84	68
/ 61			.4	.3	.3	.5	.6	.3										18	18	77	80
/ 59			.1	.3	.4	.3	.1											9	9	67	71
/ 57		.3	.4	.4	.1	.1												10	10	39	75
5/ 55			.6	.1		.1												7	7	36	51
4/ 53		.3	.5			.3												8	8	35	48
2/ 51		.3			.3													4	5	29	54
5 / 49	.1	.1	.4	.1														6	6	13	45
/ 47	.1	.1	.1															3	3	5	43
/ 45																				5	35
4/ 43																				5	22
2/ 41																					19
4 / 39																					19
3/ 37																					7
/ 35																					3
3 / 33																					3
2/ 31																					1
TOTAL	.3	2.9	9.6	6.8	10.9	14.5	19.0	17.4	14.4	3.4	.6	.1						798	800	798	798

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2706621	44939	56.3	14.856	798							
Dry Bulb	4434048	59220	74.0	7.933	800			75.9	56.3	24.8		90
Wet Bulb	3260578	50734	63.6	6.635	798			33.9	6.4	.2		90
Dew Point	2622197	45239	56.7	8.500	798		.1	10.7	.5			90

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

72 25 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JUN 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
/ 89								.4										3	3		
8/ 87							.1	.5	.6	.1	.1							12	12		
8/ 85							1.1	2.0	.8	.3	.3	.4						38	38		
4/ 83					.3	.6	.9	1.3	2.4	1.3								53	53		
/ 81				.1	.5	1.7	1.7	3.3	3.1	1.3	.5							95	95		
/ 79				.4	.8	1.4	2.2	1.8	1.1	1.3	.4							73	73		
7 / 77			.1	.5	1.1	1.8	2.7	2.0	1.7	1.1								87	87	1	
6/ 75			.3	.9	1.5	1.1	2.2	1.5	3.1	1.1	.1							93	93	9	1
4/ 73		.1	.3	1.4	.8	1.3	1.3	1.8	1.4	.4								68	68	33	1
/ 71		.1	.9	1.2	.9	.8	1.7	1.0	.8									56	56	63	10
/ 69		.5	.9	.6	.1	.4	.4	1.8	.3	.4								42	42	67	18
6 / 67		1.1	1.1	.3	1.0	.8	.4	.6	.4									45	45	122	54
6/ 65		1.3	.4	.4	.6	1.1	.5	.9										41	41	102	61
4/ 63		.5	.5	.4	.3	.1	.6	.3										21	21	82	66
/ 61				.1	.5	.3	.5											11	11	72	63
/ 59		.1	.4	.5	.3	.3	.4	.1										16	16	85	82
/ 57		.1	.3	.5	.1													8	8	29	52
5 / 55			.3	.1			.1											4	4	38	76
4/ 53			.4	.1	.1	.3												7	7	29	30
2/ 51		.5	.3	.4	.1	.1												11	11	26	56
5 / 49				.1														1	1	11	50
/ 47																				6	47
4 / 45																				6	33
4/ 43																				4	26
2/ 41																					25
4 / 39																					14
3 / 37																					7
/ 35																					5
3 / 33																					5
2/ 31																					3
TOTAL		4.5	6.0	7.9	9.0	12.0	16.7	19.4	15.5	7.3	1.4	.4						785	785	785	785

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2508007	42655	54.3	15.577	785							
Dry Bulb	4420710	58596	74.6	7.729	785			76.2	59.8	26.8		90
Wet Bulb	3203714	49894	63.6	6.437	785			33.8	4.9			90
Dew Point	2531022	44056	56.1	8.638	785		.3	9.6	.2			90

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

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JUN 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
88/ 87							.1	.1										2	2		
86/ 85						.1	.4		.1									5	5		
84/ 83				.1		.1	.6	.5	.1	.1	.1							14	15		
/ 81					.1	.6	1.0	1.1	.4									26	26		
/ 79				.4	.5	2.1	1.8	1.8	.8	.3								60	60		
76/ 77			.1	.8	1.5	1.1	2.1	1.0	.4	.3								58	58	1	
86/ 75			.6	.8	1.8	3.[illegible]	1.5	2.0	.9	.1								85	85	3	1
74/ 73		.1	.8	2.1	1.8	1.3	1.8	1.4	.6									78	78	16	
72/ 71		.1	.8	1.9	1.9	1.5	3.3	1.[illegible]	.4	.1								87	87	30	6
/ 69		.9	1.8	1.1	1.1	1.4	1.5	1.3										72	72	59	19
68/ 67	.1	1.4	2.6	1.3	1.5	1.3	.9	.6	.4									80	80	87	31
66/ 65	.1	1.4	1.8	.9	1.0	1.6	.4	.4										60	60	121	68
64/ 63		1.0	.4	1.1	1.1	1.0	.3	.4										42	42	92	72
62/ 61		.1	.9	1.0	1.0	.5	.6											33	33	81	69
/ 59		.3	.5	1.7	.4	.1	.5	.1										23	23	70	86
/ 57	.1	.5	.5	1.7	.6		.3											24	24	61	55
55/ 55		.1	.4	.4	.5	.1												12	12	55	58
54/ 53			.4	.4	.3	.4												11	11	37	67
52/ 51			.4	.4	.1	.1												8	8	24	47
50/ 49			.3	.5	.1	.1												8	8	16	57
48/ 47		.4	.1															4	4	19	46
46/ 45				.3														2	2	11	34
44/ 43																				6	20
42/ 41																				2	12
40/ 39																				3	10
38/ 37																					13
36/ 35																					13
34/ 33																					5
32/ 31																					3
30/ 29																					2
TOTAL	.4	6.3	12.2	15.4	15.4	16.6	17.0	11.7	4.0	.9	.1							794	795	794	794

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3231900	49232	62.0	15.035	794							
Dry Bulb	3954644	55734	70.1	7.724	795			64.3	37.2	8.5		90
Wet Bulb	3054302	48956	61.7	6.719	794			22.2	2.3			90
Dew Point	2527267	44279	55.8	8.549	794		.6	6.5	.1			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

72825 STATION — YOUNGSTOWN MAP OH STATION NAME — 73-81 YEARS — JUN 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
/ -1						.1												1	1		
/ 79					.3	.3												4	4		
7 / 77				.4	.8	.4	.1											13	13		
6 / 75			.3	1.0	.8	.4												18	18		
4 / 73		.3	.8	1.8	.5	1.2	.3											36	36	2	1
/ 71		.8	1.2	2.2	1.0	1.2												47	47	13	
/ 69		.5	3.0	2.0	1.9	.4	.4											61	61	11	11
/ 67		1.8	4.0	1.8	1.4	1.1	.3											75	75	37	26
6 / 65		4.1	3.0	2.2	1.1	.5												80	80	74	48
4 / 63		4.1	2.6	1.5	1.9													74	75	96	62
/ 61		2.7	1.6	2.6	1.5	.4												65	65	71	72
/ 59	.1	2.2	2.7	2.3	.7	.1												60	60	71	66
/ 57		1.9	1.6	1.8	.5	.1												44	44	66	64
5 / 55		1.5	2.6	.8	.7													41	41	66	54
4 / 53		.8	3.0	.5	.1													33	33	49	68
2 / 51		.5	2.2	.3	.1													23	23	45	45
5 / 49		.3	1.2	.8														17	17	31	59
/ 47		.4	.5	.3														9	9	27	51
4 / 45		.4	.8	.1														10	10	13	29
4 / 43		.7	.5	.1														10	10	13	16
2 / 41		.5	.1	.1														6	6	13	18
4 / 39			.3															2	2	6	18
3 / 37		.3																2	2	5	11
1 / 35		.1																1	1	3	6
3 / 33																					2
2 / 31																					5
TOTAL	.1	24.0	32.2	22.7	13.4	6.4	1.1											732	733	732	732

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4386870	56068	76.6	11.237	732							
Dry Bulb	2936019	46013	62.8	8.066	733			31.3	8.8	.2		90
Wet Bulb	2531077	42697	58.3	7.452	732			10.2	.2			90
Dew Point	2269865	40325	55.1	8.138	732		.6	4.7	.1			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

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JUN 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
/ 89								.1	.0									7	7		
8/ 87					.0		.1	.1	.1	.0	.0							25	25		
6/ 85					.0	.1	.4	.4	.2	.1	.0	.1						80	80		
4/ 83				.0	.1	.3	.4	.5	.6	.3	.0							133	134		
/ 81				.0	.3	.6	.8	1.0	.7	.2	.1							226	226		
/ 79			.0	.1	.5	1.0	.9	1.0	.6	.3	.1							275	276	2	
7 / 77			.0	.4	1.1	.8	1.3	.6	.5	.3								307	307	6	2
6/ 75		.0	.3	.7	1.3	1.1	.9	.8	.9	.2	.0							380	381	30	6
4/ 73		.1	.6	1.6	.8	1.1	.8	.7	.5	.1								387	387	121	4
2/ 71		.3	1.4	1.1	1.1	1.0	1.1	.5	.3	.0								418	418	198	35
/ 69	.0	1.1	2.1	1.2	1.1	.7	.6	.6	.1	.0								465	465	354	129
6 / 67	.1	1.7	2.7	1.2	1.0	.9	.5	.4	.1									529	529	605	287
6/ 65	.1	2.3	1.9	1.4	1.1	.7	.3	.3	.0									501	501	645	445
4/ 63		2.4	2.0	1.4	1.0	.4	.3	.1										461	462	665	497
2/ 61	.1	1.4	1.3	1.5	.8	.3	.3	.0										350	350	595	543
/ 59	.1	1.9	1.6	1.1	.4	.2	.2	.0										333	333	576	543
5 / 57	.1	1.6	1.0	.8	.4	.1	.0											243	243	485	529
5 / 55	.1	1.5	1.3	.6	.3	.0	.0											229	229	455	508
4/ 53	.1	1.4	1.5	.4	.1	.1												222	222	346	458
2/ 51	.0	1.0	.9	.3	.1	.0												146	148	297	424
5 / 49	.1	1.0	.7	.3	.0	.0												130	131	216	411
4 / 47	.0	.6	.4	.1														72	72	175	386
4 / 45	.1	.4	.4	.1														57	57	110	264
4 / 43	.1	.4	.3	.0														43	43	80	170
2 / 41	.0	.3	.1	.0														29	29	49	136
4 / 39	.1	.2	.1															29	29	43	123
3 / 37	.1	.3																21	21	33	82
3 / 35	.1	.0																3	3	15	67
3 / 33																					31
2 / 31																					19
1 / 29																					2
TOTAL	1.2	20.0	20.7	14.4	11.4	9.5	8.8	7.3	4.7	1.5	.3	.1							6108		6101
																		6101		6101	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	31339083	424539	69.6	17.166	6101							
Dry Bulb	27777598	407438	66.7	9.905	6108			381.3	214.9	71.0		720
Wet Bulb	22387810	366634	60.1	7.632	6101			155.3	18.8	.2		720
Dew Point	19243773	338851	55.5	8.336	6101		2.5	54.6	1.4			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

72[illegible]25[illegible] STATION | YOUNGSTOWN MAP OH STATION NAME | 73-80 YEARS | JUL MONTH

PAGE 1 | 0000-2200 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
/ 81				.3														2	2		
/ 79			.6	.3														6	6		
7-/ 77			.6															4	4		
6/ 75	.1	.3	.4	1.9	.3	.1												23	23	7	1
4/ 73		.8	2.6	1.4	.3	.3												39	39	12	10
-/ 71	.3	2.1	2.1	1.7	.1	.1												46	46	20	12
/ 69	.3	1.8	3.4	1.5	.3	.1	.3											56	56	55	31
6 / 67	.1	2.3	5.6	1.2	.7													73	73	38	44
6/ 65	.3	6.6	3.6	1.7	.7													93	93	72	47
4/ 63		7.2	2.1	.8	.3													75	75	112	86
2/ 61	.1	5.8	2.3	1.4	.1													71	71	75	94
/ 59	.1	6.3	2.9	.1														69	69	77	68
/ 57	.1	3.9	1.8	.1														43	43	78	71
5-/ 55	.1	4.0	1.7	.3	.4													42	42	56	74
4/ 53		2.6	2.6		.1													39	39	34	67
2/ 51	.1	2.2	.3															19	19	34	33
5 / 49		1.4	.7	.1														16	16	28	33
4 / 47		.3	.4															5	5	17	26
4 / 45		.3	.4															5	5	5	11
44/ 43																				6	3
2/ 41																					5
4 / 39																					10
TOTAL	1.8	47.8	33.3	12.8	3.3	.7	.3												726		726
																		726		726	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_X	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5276651	61575	84.8	8.648	726							
Dry Bulb	2965719	46129	63.5	6.923	726			31.9	9.5	.6		93
Wet Bulb	2705579	44067	60.7	6.516	726			16.9	2.4			93
Dew Point	2548792	42726	58.9	6.880	726			12.6	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

725253 STATION | YOUNGSTOWN 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
- / 79			.3	.1														3	3		
7 / 77		.1	.4		.1													5	5		
76/ 75		.1	1.2	.1	.1													12	12	3	
74/ 73		1.0	1.6	1.2	.3													30	30	9	7
72/ 71		2.3	1.9	.8														37	37	19	10
/ 69	.5	3.0	2.6	1.0		.1												53	53	47	36
6 / 67		4.4	4.9	.8	.4													77	77	35	33
66/ 65	.1	7.0	1.6	1.2	.4													76	76	80	48
64/ 63		7.4	1.2	.5														67	67	89	87
62/ 61		6.2	1.2	1.5														65	65	69	81
/ 59	.7	8.5	2.5	.3	.1													88	88	76	75
5 / 57	.1	4.7	.8	.5		.1												46	47	78	77
56/ 55	.8	4.8	1.8	.3														56	56	62	61
54/ 53	.5	4.2	.3	.1	.4													41	41	45	68
52/ 51	.5	3.3	.5															32	32	49	47
5 / 49		2.2	.1															17	17	29	33
46/ 47	.1	1.1	.3															11	11	13	27
4 / 45		.7	.5															9	9	15	15
42/ 43	.1	.5																5	5	5	9
32/ 41																				7	3
4 / 39																					9
36/ 37																					2
2 / 35																					2
TOTAL	3.7	61.5	24.0	8.6	1.9	.3													731		730
																		730		730	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5621355	63785	87.4	8.117	730							
Dry Bulb	2855218	45384	62.1	7.173	731			27.6	6.4			93
Wet Bulb	2640612	43622	59.8	6.822	730			14.4	1.5			93
Dew Point	2516379	42545	58.3	7.107	730			11.0	.9			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

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JUL 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
- / 81				.1		.1												2	2		
- / 79			.4	.5	.1	.1												9	10		
7 / 77			.5	.1	.2		.1											8	8	1	
6 / 75		.2	1.2	1.3	.5	.4												30	30	4	2
4 / 73		1.5	1.8	2.0	.7	.2												51	51	14	7
2 / 71		2.1	4.0	1.8	.5	.1												70	70	31	15
- / 69	.6	3.9	5.6	1.3	1.0	.4												105	105	63	41
6 / 67		4.6	4.2	2.4	1.1	.2												103	103	90	63
6 / 65	.1	5.6	2.6	1.6	.2	.2	.1											86	86	103	92
4 / 63	.2	5.5	2.4	2.2	.5	.1												90	90	109	101
2 / 61	.2	5.1	1.0	2.4	.5													76	76	95	91
- / 59	.9	5.9	2.1	.5	.2													78	78	84	91
5 / 57	.4	2.8	.7	.4		.1												36	37	83	82
5 / 55	.2	2.1	.7	.1	.1													27	27	55	70
4 / 53	.2	1.8	.7															23	23	33	59
2 / 51		1.1	.4		.1													13	13	25	38
5 / 49		.7																6	6	14	26
4 / 47		.1	.6															6	6	8	24
4 / 45																				6	7
4 / 43																				1	
2 / 41																					9
3 / 35																					1
TOTAL	2.9	43.1	28.9	16.8	5.9	2.1	.2											819	821	819	819

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5794765	68405	83.5	9.976	819							
Dry Bulb	3533560	53608	65.3	6.360	821			42.9	11.4	.7		93
Wet Bulb	3187626	50862	62.1	5.951	819			23.1	2.2			93
Dew Point	2988971	49193	60.1	6.467	819			14.5	1.0			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

72-25 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JUL MONTH

PAGE 1 | 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
/ 89								.1										1	1		
8/ 87						.4	.5	.1	.1									9	9		
6/ 85					.5	.6	.4	.4										15	15		
4/ 83				.1	1.1	1.1	1.1	.5										32	32		
/ 81			.2	.6	1.8	1.2	.7	.7	.1									45	45		
/ 79				.5	2.1	3.1	1.8	1.1	.2									72	72	1	
7 / 77		.1	.4	1.7	2.2	1.8	2.3	.7	.2									78	78	13	
6/ 75			1.3	1.8	3.8	2.4	1.5	1.6										102	102	28	7
4/ 73		.6	2.2	3.3	2.1	2.6	2.2	.4	.2	.1	.1							113	113	42	19
/ 71		1.3	2.7	3.5	2.4	2.2	2.1	.2	.1									120	120	80	26
/ 69	.1	1.2	2.9	1.3	2.0	2.0	1.1	.4	.1									91	91	103	73
6 / 67	.1	.4	1.5	1.6	1.5	.5	1.0	.2										55	55	140	80
6/ 65	.1	1.3	.6	.7	.6	.5	.2											34	34	111	94
4/ 63		.6	.2	.5	.7	.2												19	19	99	98
/ 61		1.5	.1	.1		.2												16	16	72	91
/ 59		.4	.7		.1	.1												11	11	59	75
/ 57		.4																3	3	32	64
5 / 55			.2															2	2	26	58
4/ 53																				7	58
2/ 51																				5	23
5 / 49																					17
4 / 47																					10
4 / 45																					10
4/ 43																					9
2/ 41																					4
4 / 39																					1
3 / 37																					1
TOTAL	.4	7.8	13.2	15.9	20.9	18.9	14.9	6.5	1.2	.1	.1								818		818
																		818		818	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3795020	54606	66.8	13.539	818							
Dry Bulb	4468303	60265	73.7	5.892	818			83.3	53.1	16.1		93
Wet Bulb	3592572	54040	66.1	5.247	818			46.3	9.6			93
Dew Point	3127961	50277	61.5	6.799	818			23.3	3.0			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

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JUL 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
/ 91								.5	.2	.2								8	9		
/ 89							.1	1.2	1.1	.2								22	22		
8/ 87						1.1	1.0	1.2	.9	.5								38	38		
6/ 85					.1	.9	1.5	.6	1.3	.9								43	43		
4/ 83				.1	.2	1.2	1.9	2.3	1.7	.6	.1							68	68		
/ 81				.1	1.2	2.3	2.9	2.7	3.2	.6	.4							110	110		
/ 79				1.0	2.6	2.1	2.4	3.2	2.1	.6								114	114	2	
7 / 77			.4	.7	2.7	2.6	1.6	2.3	.6	.1	.1							91	91	19	
6/ 75		.2	.5	2.1	1.7	2.1	2.6	2.8	1.3	.1	.2							112	112	37	3
4/ 73		.1	.9	1.3	1.7	1.6	1.9	1.3	1.0	.1								82	82	86	15
/ 71		.7	1.0	1.2	.6	1.0	1.5	.7	.9									62	62	92	34
/ 69			.4	.5	.6		.6	.2										19	19	110	66
6 / 67		.2	.1	.2	.1	.5	.1	.1										12	12	129	90
6/ 65		.5	.2	.2		.4												11	11	109	78
4/ 63		.6		.1	.2	.1	.2											11	11	81	78
2/ 61		.6	.5	.2														11	11	69	79
/ 59		.7		.1														7	7	35	95
/ 57																				35	55
5 / 55																				12	72
4/ 53																				5	56
2/ 51																					34
5 / 49																					25
/ 47																					19
/ 45																					6
4/ 43																					7
2/ 41																					8
/ 39																					1
TOTAL		3.8	3.9	8.0	11.8	15.7	18.4	19.2	14.3	4.0	.9								822		821
																		821		821	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2825842	46832	57.0	13.723	821							
Dry Bulb	5035858	64140	78.0	6.151	822			88.5	78.0	40.3		93
Wet Bulb	3733607	55203	67.2	5.159	821			53.8	16.3			93
Dew Point	3086112	50004	60.9	7.033	821			23.6	2.0			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

72[illegible]25 — STATION
YOUNGSTOWN MAP OH — STATION NAME
73-81 — YEARS
JUL — MONTH

1500-1700 — HOURS (L. S. T.)

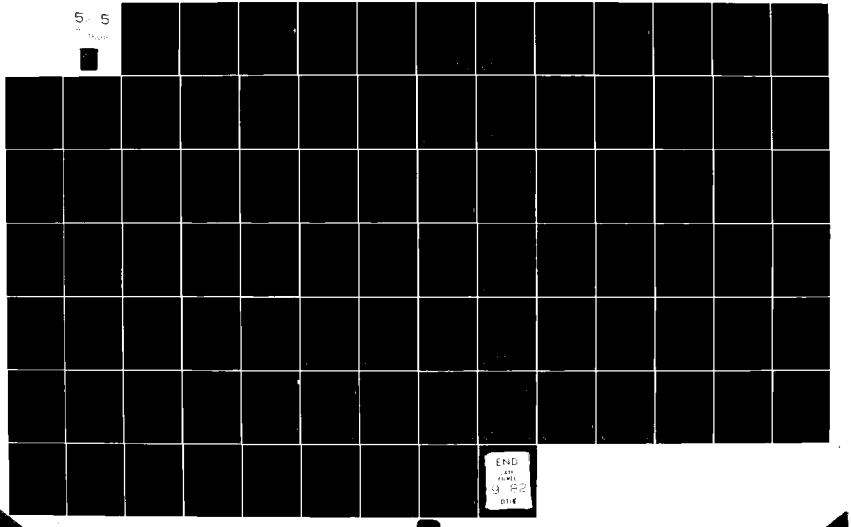
Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
/ 91								.2	.6	.2	.4							12	12		
/ 89							.6	1.0	1.4	.5								28	28		
8/ 87						.6	.7	1.2	.9	1.0	.2							38	39		
6/ 85					.1	.5	1.5	2.1	1.2	1.4	.4	.2						60	60		
4/ 83					.2	1.6	1.1	2.2	2.0	1.6	.2							73	73		
/ 81			.1	.2	.6	1.8	2.6	3.3	1.4	1.4	.2							95	95		
/ 79				1.1	1.8	3.3	2.8	3.1	3.2	.2								127	127		
7 / 77		.1	.6	.7	1.8	1.8	1.4	3.1	2.6	.4	.2							104	104	21	1
6/ 75		.1	1.1	.9	1.7	2.6	1.4	3.6	.7	.4								101	101	32	2
4/ 73		.1	.5	1.2	.9	1.4	1.4	1.0	.2									54	54	89	13
/ 71		.4	.6	.2	.2	.4	.4	1.0	.6	.2								33	33	83	38
/ 69			.6	.1	.5	.5	.6	.5										23	23	113	60
/ 67		1.1	.9		.5	.7	.7	.1										33	33	133	69
6/ 65		.4	.7		.2		.1											12	12	98	79
4/ 63		.2	.2	.2			.1											7	7	96	77
/ 61		.2	.5															6	6	65	92
/ 59		.7	.2															8	8	35	80
/ 57																				31	60
5 / 55																				15	75
4/ 53																				3	49
2/ 51																					50
5 / 49																					28
/ 47																					16
4 / 45																					13
4/ 43																					6
2/ 41																					4
4 / 39																					2
TOTAL		3.4	6.1	4.8	8.7	15.2	15.4	22.4	14.7	7.2	1.7	.2							815		814
																		814		814	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2679418	45194	55.5	14.469	814							
Dry Bulb	5061703	64025	78.6	6.271	815			89.2	79.1	42.7		93
Wet Bulb	3697558	54706	67.2	5.078	814			53.8	16.2			93
Dew Point	3023202	49276	60.5	7.036	814			20.9	1.8			93

USAFETAC FORM AS 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

AD-A118 509 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--FTC F/G 4/2
YOUNGSTOWN MAP, OHIO. REVISED UNIFORM SUMMARY OF SURFACE WEATHE--ETC(U)
MAY 82

UNCLASSIFIED USAFETAC/DS-82/034 SBI-AD-E850 193 NL



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | JUL 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					
/ 89									.4										3	3		
8/ 87						.5	.5	.2	.1	.1									12	12		
6/ 85					.1	.7	.7	.5	.2	.1	.1								21	21		
4/ 83				.1	.7	.5	1.3	.6	.8	.1									35	35		
2/ 81				.2	1.3	1.4	1.2	1.2	.6	.2									52	52		
/ 79			.2	1.0	1.3	2.5	1.9	1.1	1.0	.1									76	76	1	
78/ 77			.7	.8	2.4	3.5	1.3	1.4	.4										88	88	8	
76/ 75			.7	1.9	3.4	2.5	1.2	2.2	.5	.1									104	104	23	2
74/ 73			1.4	3.6	2.7	1.6	2.2	.8											102	102	47	18
72/ 71		.8	1.8	2.4	2.2	2.7	1.7	.2	.2										100	100	65	25
70/ 69		.7	2.4	1.3	1.8	1.3	.5	.1	.2										70	70	105	34
68/ 67	.2	1.4	1.4	.8	1.9	.7	.8	.1	.1										64	64	144	93
66/ 65		1.1	.8	1.8	.8	1.0	.4												49	49	110	95
64/ 63		.4	.1	.4	1.0	.4	.2												20	20	98	108
62/ 61		.6	.4	.2	.5	.1													15	15	87	78
/ 59		.7	.6	.2	.1														14	14	62	72
58/ 57		.1	.1		.1														3	3	34	71
56/ 55																					26	77
54/ 53																					14	55
52/ 51																					3	42
5 / 49																					1	22
46/ 47																						11
44/ 45																						8
42/ 43																						12
40/ 41																						3
4 / 39																						2
TOTAL	.2	5.9	10.9	15.0	20.4	19.4	14.0	8.6	4.6	.8	.1								828	828	828	828

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3583978	53282	64.4	13.702	828							
Dry Bulb	4559827	61231	74.0	6.198	828			81.7	55.4	17.6		93
Wet Bulb	3592036	54364	65.7	5.234	828			44.1	8.9			93
Dew Point	3080184	50191	60.6	6.757	828			19.3	2.2			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

72525 (STATION) YOUNGSTOWN 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
8[illegible]/ 87							.1												1	1		
86/ 85						.1													1	1		
8[illegible]/ 81				1.1	.3														10	10		
[illegible]/ 79		.1		.7	.4	.1													10	10		
78/ 77			.1	.7	.8	.1	.1												14	14	1	
76/ 75		.7	1.6	2.2	1.3	.7	.1												50	50	11	2
74/ 73		.8	1.3	1.3	.9	.5	.1												38	38	15	11
72/ 71	.1	1.3	3.4	4.2	.8	.1	.1												77	77	37	18
[illegible]/ 69		2.1	6.1	3.4	1.1	.5													100	100	50	31
68/ 67		3.0	6.3	3.4	1.1	.1													106	106	78	56
66/ 65	.5	2.9	3.4	2.5	.4														74	74	110	79
64/ 63		3.9	2.9	3.0	.8	.3													83	83	113	81
62/ 61		2.1	3.9	1.2	.4														58	58	67	108
[illegible]/ 59		2.6	3.4	1.1	.3	.1													57	57	84	75
58/ 57		2.4	1.8	.9	.4														42	42	79	70
56/ 55		.5	1.3	.5	.1														19	19	44	80
54/ 53		.5	.5	.4															11	11	32	49
52/ 51		.3	.3	.4															7	7	21	39
5[illegible]/ 49			.3																2	2	10	21
46/ 47																					3	20
46/ 45																					5	4
44/ 43																						6
42/ 41																						8
4[illegible]/ 39																						2
TOTAL	.7	23.3	36.7	27.0	8.9	2.8	.7													760		760
																			760		760	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4846209	60237	79.3	9.731	760							
Dry Bulb	3407830	50670	66.7	6.246	760			49.8	15.2	2.2		93
Wet Bulb	3000910	47548	62.6	5.870	760			23.5	3.3			93
Dew Point	2762335	45547	59.9	6.563	760			14.4	1.6			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

725250 STATION | YOUNGSTOWN 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						
92/ 91								.1	.1	.1	.0							20	21				
90/ 89							.1	.3	.4	.1								54	54				
88/ 87						.3	.4	.4	.3	.2	.0							98	99				
86/ 85					.1	.4	.5	.5	.4	.3	.1	.0						140	140				
84/ 83				.0	.3	.6	.7	.7	.6	.3	.0							208	208				
82/ 81			.0	.3	.7	.9	1.0	1.0	.7	.3	.1							316	316				
80/ 79		.0	.2	.6	1.1	1.5	1.2	1.1	.8	.1								417	418	4			
78/ 77		.0	.5	.6	1.3	1.3	.9	1.0	.5	.1	.0							392	392	63	1		
76/ 75	.0	.2	1.0	1.6	1.6	1.4	.9	1.3	.3	.1	.0							534	534	145	19		
74/ 73		.6	1.5	1.9	1.2	1.0	1.0	.5	.2	.0	.0							509	509	314	100		
72/ 71	.0	1.4	2.2	2.0	.9	.9	.7	.3	.2	.0								545	545	427	178		
70/ 69	.2	1.6	3.0	1.3	.9	.6	.4	.2	.0									517	517	696	372		
68/ 67	.1	2.2	3.0	1.3	.9	.4	.3	.1	.0									523	523	787	528		
66/ 65	.1	3.1	1.7	1.2	.4	.3	.1											435	435	793	612		
64/ 63	.0	3.1	1.1	1.0	.4	.1	.1											372	372	797	716		
62/ 61	.0	2.7	1.2	.9	.2	.0												318	318	599	719		
60/ 59	.2	3.1	1.5	.3	.1	.0												332	332	512	631		
58/ 57	.1	1.7	.6	.2	.1	.0												173	175	450	550		
56/ 55	.1	1.3	.6	.1	.1													146	146	296	567		
54/ 53	.1	1.1	.5	.1	.1													114	114	173	461		
52/ 51	.1	.8	.2	.0	.0													71	71	137	306		
50/ 49		.5	.1	.0														41	41	82	205		
48/ 47	.0	.2	.2															22	22	41	153		
46/ 45		.1	.1															14	14	31	79		
44/ 43	.0	.1																5	5	12	52		
42/ 41																				7	44		
41/ 39																					27		
38/ 37																					3		
36/ 35																					3		
TOTAL	1.2	23.7	19.2	13.6	10.5	9.7	8.3	7.3	4.5	1.6	.4	.0							6321		6316		
																		6316		6316			

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	34423238	453916	71.9	16.889	6316							
Dry Bulb	31888018	445452	70.5	8.862	6321			503.3	316.7	124.5		744
Wet Bulb	26150500	404412	64.0	6.368	6316			281.1	62.0			744
Dew Point	23133941	379759	60.1	6.897	6316			141.1	14.1			744

USAFETAC FORM 0-26-5 (OL A) 82 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 STATION | YOUNGSTOWN 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
78/ 77				.4	.1													4	4		
76/ 75		.3	.7	1.0	.3													16	16		
74/ 73		1.0	2.5	2.7														45	45	4	
72/ 71		2.0	2.6	.8														40	40	20	11
70/ 69	.1	4.4	6.5	1.1	.1													90	90	56	26
68/ 67		6.7	5.5	.7	.1													95	95	81	64
66/ 65	.7	6.7	5.2	1.5														103	103	107	101
64/ 63	.1	6.0	2.0	1.1														68	68	106	90
62/ 61		5.3	2.3	.3	.1													59	59	69	99
60/ 59	.7	6.1	2.0	.7														70	71	66	67
58/ 57		6.0	1.6	.1	.1													58	58	73	62
56/ 55	.1	2.9	.5															26	26	66	76
54/ 53		1.5	.3	.1														14	14	24	47
52/ 51		1.1	1.1															16	16	17	25
50/ 49		.8	.7	.1														12	12	9	20
48/ 47		.5	.4															7	7	16	8
46/ 45		.7																5	5	7	16
44/ 43		.7																5	5	8	6
42/ 41																				4	8
40/ 39																					6
38/ 37																					1
TOTAL	1.8	52.7	34.0	10.6	1.0														734		733
																		733		733	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3491682	63232	86.3	7.109	733							
Dry Bulb	3037876	46976	64.0	6.546	734			36.7	8.2			93
Wet Bulb	2795831	45035	61.4	6.252	733			20.4	.5			93
Dew Point	2686540	43864	59.8	6.575	733			12.6				93

USAFETAC FORM 0-24-5 (OL A) 82 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | AUG 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				.1														1	1		
76/ 75				.4														3	3		
74/ 73		.4	1.4	1.0	.1	.3												23	23		
72/ 71		2.5	2.9	.3														41	41	12	3
70/ 69	.1	6.4	3.4	.4	.1													77	78	43	19
68/ 67	.8	6.7	3.8	.4														86	86	87	68
66/ 65	1.1	8.7	4.5	1.1														113	114	77	98
64/ 63	.8	8.4	1.0	.1														76	77	123	71
62/ 61	.8	6.0	2.7	.5														74	74	88	109
60/ 59	1.0	5.0	2.3															61	61	64	81
58/ 57	.4	5.2	2.6															60	60	56	51
56/ 55	.1	4.0	.4	.1														34	34	68	63
54/ 53	.1	2.9	1.1															30	30	37	64
52/ 51		1.8	1.0	.3														22	22	21	31
50/ 49		.8	.4	.1														10	10	17	21
48/ 47		.8	.1															7	7	16	11
46/ 45		1.0	.3															9	9	10	18
44/ 43		.7																5	5	10	8
42/ 41		.3																2	2	4	9
40/ 39																				1	9
TOTAL	5.3	61.4	27.8	4.9	.3	.3												734	737	734	734

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5738278	64700	88.1	6.926	734							
Dry Bulb	2938479	46291	62.8	6.484	737			29.3	3.4			93
Wet Bulb	2729833	44519	60.7	6.359	734			18.0				93
Dew Point	2610862	43500	59.3	6.696	734			11.4				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | AUG 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] / 79				.1	.2													3	3			
78/ 77		.1	.2	.1	.2		.1											7	7			
76/ 75		.1	.4	.4			.1											8	8	2	1
74/ 73		.7	1.7	1.0		.1												29	29	7	1
72/ 71		2.4	3.5	1.1	.1													59	59	15	6
70/ 69	.1	5.3	4.6	.8	.2													92	92	55	31
68/ 67	1.1	5.8	5.5	1.1	.2	.1												115	115	103	83
66/ 65	1.2	7.6	4.2	1.6	.1													122	122	96	104
64/ 63	1.0	8.3	3.9	1.0														117	117	137	105
62/ 61	.6	5.9	2.3	.8														80	80	121	109
60/ 59	.2	4.8	1.3	.6	.1													59	59	81	108
58/ 57	.1	3.6	1.2	.4	.1													45	45	67	71
56/ 55	.1	2.7	1.2	.4														36	36	49	63
54/ 53		1.4	.8	.1														20	20	27	47
52/ 51		.8	.7	.1														14	14	21	28
50/ 49		.5	.7															10	10	21	22
48/ 47		.6																5	5	15	13
46/ 45		.5																4	4	4	15
44/ 43		.2																2	2	5	10
42/ 41		.2																2	2	2	9
40/ 39																				1	2
38/ 37																					1
TOTAL	4.5	51.7	32.3	9.5	1.4	.2	.2											829	829	829	829

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 88 F	≥ 93 F	Total
Rel. Hum.	6255202	71702	86.5	8.041	829							
Dry Bulb	3646137	53213	64.2	6.062	829			35.1	5.3	.2		93
Wet Bulb	3182162	51126	61.7	5.931	829			20.4	1.0			93
Dew Point	3023363	49768	60.1	6.368	829			13.7	.2			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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89						.1												1	1		
88/ 87								.2										2	2		
86/ 85					.2	.1	.4											6	6		
84/ 83				.4	.4	.7	.1											13	13		
82/ 81			.1	.7	1.0	1.4	.4	.2	.1									32	32		
80/ 79			.2	1.4	2.5	1.7	.9	.4										57	57	1	
78/ 77			.5	1.6	1.7	1.1	1.7	.5										58	58	6	1
76/ 75			1.6	3.1	3.9	2.1	1.2	.1	.1									99	100	15	5
74/ 73		.9	3.6	4.7	1.8	2.6	.9	.5	.1									122	122	47	7
72/ 71		1.8	3.7	2.7	2.7	1.1	.4	.1										102	102	71	28
70/ 69	.1	3.0	3.0	2.1	3.5	.9	.2	.1										104	104	107	80
68/ 67	.2	1.8	3.1	1.5	.9	1.1	.2											72	72	157	115
66/ 65	.2	1.8	1.6	1.8	1.0	.6	.4	.1										62	63	107	96
64/ 63		2.7	.7	.5	.4	.5												39	39	109	95
62/ 61		.7	.9	.2	.5	.5	.1											24	24	79	88
60/ 59		1.0	.1	.4	.1													13	13	41	85
58/ 57				.1	.1													2	2	33	72
56/ 55			.4															3	3	17	53
54/ 53																				11	20
52/ 51																				10	24
50/ 49																					11
48/ 47																					14
46/ 45																					9
44/ 43																					4
42/ 41																					3
40/ 39																					1
TOTAL	.4	13.8	19.5	21.2	20.7	14.5	6.9	2.3	.4									811	813	811	811

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 88 F	≥ 93 F	Total
Rel. Hum.	4350293	58521	72.2	12.930	811							
Dry Bulb	4241877	58543	72.0	5.689	813			76.5	44.7	10.3		93
Wet Bulb	3838968	53418	65.9	5.068	811			46.3	7.9	.1		93
Dew Point	3168420	50434	62.2	6.291	811			27.1	1.5			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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | AUG 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
94/ 93											.1							1	1		
92/ 91								.1		.4								4	4		
90/ 89						.1	.1		.2									4	4		
88/ 87						.4	1.0	.2										13	13		
86/ 85					.2	.9	1.8	.7										30	30		
84/ 83				.1	.4	2.2	1.6	2.0	1.2	.2	.1							64	64		
82/ 81				.1	2.0	1.4	3.4	2.9	1.4									91	91		
80/ 79				.7	3.3	3.2	3.3	2.7	1.4	.2								121	121	3	
78/ 77			.2	1.5	3.6	2.8	2.5	1.7	.9	.6								112	112	10	
76/ 75			1.6	2.0	2.8	2.6	1.0	1.2	.4	.2								96	96	24	5
74/ 73		.5	1.7	2.3	1.8	2.2	.9	.5	.1									82	83	85	8
72/ 71		1.6	1.2	1.4	1.1	.9	.9	.2	.1									60	60	93	35
70/ 69		.9	1.2	.6	.5	.6	.9	.6										43	44	138	90
68/ 67	.1	.6	1.5	.9	.7	.7	.9	.4	.1									48	49	136	100
66/ 65		.5	.6	.5	.4	.4		.4										22	23	116	90
64/ 63		.4	.5	.6		.1												13	13	74	90
62/ 61		.2	.1	.1	.1													5	5	49	87
60/ 59		.4		.1														4	4	33	82
58/ 57																				28	76
56/ 55			.1															1	1	17	44
54/ 53																				4	25
52/ 51																				4	25
50/ 49																					18
48/ 47																					17
46/ 45																					10
44/ 43																					6
42/ 41																					3
40/ 39																					1
38/ 37																					2
TOTAL	.1	5.0	8.8	10.9	17.0	18.4	18.2	13.8	5.8	1.7	.2							814	818		814
																		814		814	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 88 F	≥ 93 F	Total
Rel. Hum.	3295502	50562	62.1	13.808	814							
Dry Bulb	4806920	62500	76.8	5.920	818			87.8	70.4	30.7	.1	93
Wet Bulb	3705613	54771	67.3	4.998	814			55.9	13.9			93
Dew Point	3159584	50418	61.9	6.725	814			27.2	1.5			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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | AUG 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
94/ 93										.1	.2							2	2		
92/ 91								.4	.1	.4								7	7		
90/ 89							.1		.1	.2								4	4		
88/ 87						.2	1.1	.5		.1	.1							17	17		
86/ 85						1.3	1.6	.4	.4	.6								35	35		
84/ 83					.7	2.1	.9	2.6	2.2	.4	.5							76	77		
82/ 81				.1	1.2	1.8	2.8	4.2	1.7	.1								98	99		
80/ 79				.6	3.4	4.0	2.6	3.2	2.6	.9								141	141	1	
78/ 77			.5	1.1	2.5	2.5	2.9	1.6	.5	.2								96	96	8	
76/ 75			1.5	2.1	2.3	2.0	1.3	1.8	.2	.5								96	96	37	
74/ 73		.5	1.7	1.6	1.1	1.8	1.2	.9	.1									73	73	66	10
72/ 71		.5	1.0	1.3	.2	.9	.5	1.0										44	44	93	38
70/ 69		1.1	1.3	.2	.6	.4	.4	.7										39	39	144	70
68/ 67		1.0	.4	.7	.1	.6	1.2	.2	.5									39	39	150	99
66/ 65		.7	1.0	.1	.5	.5	.1	.1										25	25	111	74
64/ 63		.5	.6	.4		.1												13	13	70	101
62/ 61		.1	.1			.1												3	3	54	84
60/ 59		.5		.4														7	7	26	97
58/ 57																				32	66
56/ 55																				15	48
54/ 53																				10	39
52/ 51																				1	25
50/ 49																					23
48/ 47																					16
46/ 45																					16
44/ 43																					7
42/ 39																					5
TOTAL		4.9	8.1	8.7	12.8	18.4	16.8	17.5	8.9	3.6	.7								817		815
																		815		815	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 9 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3088661	48765	59.8	14.487	815							
Dry Bulb	4881767	62961	77.1	6.039	817			67.5	73.6	35.9	.2	93
Wet Bulb	3697536	54796	67.2	4.967	815			56.6	12.4			93
Dew Point	3105058	49998	61.3	6.816	815			24.8	1.1			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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 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] / 89									.1	.1								2	2		
88 / 87								.2										2	2		
86 / 85						.1	.1											2	2		
84 / 83				.1	.2	.2	.4		.2									10	10		
82 / 81				.1	1.1	1.1	.7	.7		.1								32	32		
[illegible] / 79		.2	.1	.7	1.7	1.7	1.8	.7	.2									60	60	2	1
78 / 77			.4	1.3	2.8	1.7	1.8	.6	.1									72	72	1	1
76 / 75			.6	3.8	3.7	1.9	1.2	.6	.2									99	99	5	
74 / 73		.2	2.2	4.4	3.7	1.9	.9	.2	.2									113	113	39	4
72 / 71		.9	2.4	3.8	2.1	1.6	1.2	.2										100	100	65	20
70 / 69		3.3	3.9	2.9	1.2	.5	.4	.2										102	102	100	48
68 / 67		1.9	2.9	1.9	1.9		.6	.1										78	78	156	106
66 / 65		1.1	1.7	1.6	1.0	.7	.1											51	51	133	90
64 / 63		1.3	1.6	1.3	.6	.2	.1	.1										44	44	101	99
62 / 61		.9	.4	.2	.9	.1	.2											22	22	74	122
[illegible] / 59		.7	.6	.5	.2	.1												18	18	56	100
58 / 57			.4	.1	.1	.1												6	6	38	53
56 / 55			.1	.2														3	3	20	58
54 / 53				.4														3	3	12	42
52 / 51			.1	.1														2	2	9	15
50 / 49																				4	16
48 / 47																				6	21
46 / 45																					10
44 / 43																					3
42 / 41																					7
40 / 39																					4
38 / 37																					1
TOTAL		10.6	17.4	23.6	21.2	12.2	9.6	3.9	1.2	.2									821		821
																		821		821	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	8162294	57466	70.0	13.064	821							
Dry Bulb	4262453	58953	71.8	5.973	821			76.1	44.4	8.6		93
Wet Bulb	3507427	53491	65.2	5.215	821			41.7	5.3			93
Dew Point	3097452	50148	61.1	6.471	821			20.4	.7			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

725250 (STATION) YOUNGSTOWN 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
80/ 79			.3	.4	.1													6	6		
78/ 77			.5	.1	1.2													14	14		
76/ 75			1.6	1.3	1.1													30	30	2	
74/ 73		.3	2.5	3.2	.7													50	50	9	2
72/ 71		1.2	5.3	2.0	.7													69	70	22	10
70/ 69		3.5	7.4	1.4	.5													98	98	73	26
68/ 67		6.2	5.9	2.1	.9													115	115	101	80
66/ 65	.3	5.1	4.9	1.8	.1													93	93	118	107
64/ 63		4.9	3.9	2.1	.8													89	89	96	99
62/ 61	.1	3.7	2.1	.8	.3													53	53	90	88
60/ 59		4.5	3.4	.7	.4													68	68	80	89
58/ 57		2.2	.7	.8														28	28	59	72
56/ 55		.5	.7	.8														15	15	47	67
54/ 53		.3	.5															6	6	17	37
52/ 51		.5	.9	.3														13	13	14	23
50/ 49		.1	.9	.1														9	9	14	12
48/ 47		.4	.1															4	4	8	19
46/ 45		.1																1	1	9	15
44/ 43																				2	7
42/ 41																					3
40/ 39																					5
TOTAL	.4	33.5	41.5	17.9	6.7														762		761
																		761		761	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5189213	62535	82.2	8.145	761							
Dry Bulb	3345214	50276	66.0	6.043	762			46.7	12.2			93
Wet Bulb	3003102	47604	62.6	5.765	761			25.3	1.3			93
Dew Point	2801993	45927	60.4	6.310	761			14.4	.2			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

72525 — STATION
YOUNGSTOWN MAP OH — STATION NAME
73-81 — YEARS
AUG — MONTH
PAGE 1
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					
94/ 93										.0	.0								3	3		
92/ 91									.1	.0	.1								11	11		
90/ 89							.0	.0		.1	.0								11	11		
88/ 87							.1	.3	.2		.0	.0							34	34		
86/ 85						.1	.3	.5	.1	.0	.1								73	73		
84/ 83					.1	.2	.7	.4	.6	.5	.1	.1							163	164		
82/ 81				.0	.1	.7	.7	.9	1.0	.4	.0								253	254		
80/ 79			.0	.1	.5	1.5	1.4	1.1	.9	.5	.1								388	388	7	1
78/ 77			.0	.3	.8	1.6	1.0	1.2	.6	.2	.1								364	364	22	2
76/ 75			.0	1.0	1.8	1.8	1.1	.6	.5	.1	.1								447	448	85	11
74/ 73			.6	2.2	2.6	1.2	1.2	.5	.3	.1									537	538	257	32
72/ 71			1.6	2.8	1.7	.9	.6	.4	.2	.0									515	516	391	151
70/ 69		.1	3.4	3.9	1.2	.9	.3	.2	.2										645	647	716	390
68/ 67		.3	3.8	3.5	1.2	.6	.3	.4	.1	.1									648	649	971	715
66/ 65		.4	3.9	2.9	1.3	.4	.3	.1	.1										591	594	865	760
64/ 63		.2	4.0	1.8	.9	.2	.1	.0	.0										459	460	816	750
62/ 61		.2	2.8	1.3	.4	.2	.1	.0											320	320	624	786
60/ 59		.2	2.8	1.2	.4	.1	.0												300	301	447	709
58/ 57		.1	2.0	.8	.2	.1	.0												199	199	386	523
56/ 55		.0	1.2	.4	.2														118	118	299	469
54/ 53		.0	.7	.3	.1														73	73	142	321
52/ 51			.5	.5	.1														67	67	97	196
50/ 49			.3	.3	.0														41	41	65	143
48/ 47			.3	.1															23	23	61	119
46/ 45			.3	.0															19	19	30	109
44/ 43			.2																12	12	25	51
42/ 41			.1																4	4	10	42
40/ 39																					2	33
38/ 37																						5
TOTAL	1.6	28.5	23.4	13.5	10.4	8.3	6.7	4.8	2.0	.7	.1									6331		6318
																			6318		6318	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	37579075	477483	75.6	15.375	6318							
Dry Bulb	30958723	439721	69.5	8.124	6331			481.8	268.9	88.5	.4	744
Wet Bulb	26160174	404708	64.1	6.113	6318			288.4	43.7	.1		744
Dew Point	23623272	384079	60.8	6.601	6318			153.3	5.4			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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | SEP 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
76/ 75		.3	.3	.1														5	5	1	
74/ 73		.7	.4	.3	.1													11	11	1	2
72/ 71		.4	1.2	.5	.3													18	18	8	5
70/ 69		2.1	3.0	1.1	.1													48	48	11	6
68/ 67		1.5	2.1	.4														30	31	25	17
66/ 65	.4	2.8	2.6	.8														50	50	56	32
64/ 63	.3	4.2	1.6	1.5	.1													58	58	42	39
62/ 61	.3	3.6	1.5	1.1														48	48	64	56
60/ 59		3.3	3.7	1.5		.1												65	65	35	52
58/ 57	.5	3.8	3.3	1.3		.3												70	70	55	43
56/ 55	.4	3.3	5.2	.7	.1													73	73	74	48
54/ 53		4.6	2.0	.7	.3													57	57	65	58
52/ 51		3.8	2.4	.3	.3													51	51	84	72
50/ 49		2.1	2.9	.4														41	41	39	73
48/ 47		2.6	.9	.4	.1													31	31	53	51
46/ 45		3.0	.7	.3	.1													31	31	37	34
44/ 43		2.8	.3	.1														24	24	33	38
42/ 41		1.3	.7	.4														18	18	25	37
40/ 39		1.2	.4	.4														15	15	20	31
38/ 37	.1	.5	.4															8	8	11	23
36/ 35		.5																4	4	9	17
34/ 33																				8	1
32/ 31																					8
30/ 29																					7
28/ 27																					5
26/ 25																					1
TOTAL	2.0	48.5	35.4	12.0	1.6	.4													757		756
																		756		756	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5288793	62891	83.2	8.685	756							
Dry Bulb	2517427	43161	57.0	8.650	757			13.4	1.9			90
Wet Bulb	2277150	40990	54.2	8.511	756			5.5	.2			90
Dew Point	2101137	39241	51.9	9.228	756		2.5	3.6	.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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | SEP 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
74/ 73		.1		.1														2	2		
72/ 71		1.1	.8	.5	.1													19	19	2	1
7 / 69	.1	1.7	1.2	.3	.1													26	26	18	4
6 / 67		2.9	1.3															32	32	21	23
6/ 65	.4	4.6	1.9	1.1														60	60	40	26
4/ 63	.1	3.2	1.5	1.6														48	48	50	38
2/ 61	.7	3.0	1.9	1.1														50	50	42	55
/ 59	.3	3.4	2.6	1.3	.1	.1												60	60	45	36
5/ 57	.5	5.3	1.5	.8	.1													62	62	64	45
5/ 55	.4	4.1	3.4	.4														63	64	63	47
4/ 53	.4	4.6	2.2	.1	.1													57	57	58	62
2/ 51		6.2	2.5	.4	.1													70	71	66	59
5 / 49		3.3	2.0	.3	.5													46	46	67	76
4/ 47		2.8	1.5	.1														33	33	42	62
4/ 45		3.8	.8	.1														36	36	52	38
44/ 43		4.0	.4															33	34	36	36
42/ 41		1.6	.3	.1														15	15	36	46
4/ 39	.1	3.0	.5	.3														30	30	11	32
38/ 37		.5	.4															7	7	25	21
36/ 35	.1	.5	.1															6	6	7	23
34/ 33		.1																1	1	10	9
32/ 31																				1	5
/ 29																					9
28/ 27																					2
26/ 25																					1
TOTAL	3.2	60.1	26.7	8.6	1.3	.1													759		756
																		756		756	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5520505	64283	85.0	8.496	756							
Dry Bulb	2404273	42211	55.6	8.653	759			9.4	.2			90
Wet Bulb	2196433	40231	53.2	8.575	756		.1	4.9				90
Dew Point	2043496	38686	51.2	9.211	756		2.0	3.3				90

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

72525 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) SEP (MONTH)

 0400-0800 (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
78/ 77				.1														1	1		
76/ 75			.3		.1													1	1		
74/ 73		.1	.3	.4														6	6	1	
72/ 71		1.1	.3	.6														16	16	4	2
70/ 69		1.9	1.8	.4	.1													33	33	17	9
68/ 67		2.4	1.4	.6	.1													36	36	26	20
66/ 65	.1	4.5	2.3	.8														61	62	43	34
64/ 63		5.2	1.8	.5														59	59	47	42
62/ 61	.1	3.8	2.6	.9														59	59	67	47
60/ 59	.5	4.5	3.5	1.0	.1													77	77	52	57
58/ 57	.3	3.7	2.8	1.0	.1													62	62	75	59
56/ 55	.5	4.7	2.1	.6	.1													64	64	67	62
54/ 53	.1	3.5	2.4	.8	.3													56	56	55	63
52/ 51		4.5	3.9	.5		.1												72	72	64	55
50/ 49		3.4	1.8	.5	.4													48	48	71	67
48/ 47		3.9	1.3	.3														43	43	49	60
46/ 45		2.6	.6															26	26	56	56
44/ 43		2.8	.8	.3														30	30	27	45
42/ 41		1.6	.1	.1														15	15	33	30
40/ 39		.9	.9															14	14	12	26
38/ 37		.6	.1															6	6	11	25
36/ 35		.3	.3															4	4	10	11
34/ 33		.3																2	2	3	8
32/ 31																				3	6
30/ 29																					6
28/ 27																					2
26/ 25																					1
TOTAL	1.6	56.4	31.1	9.3	1.4	.1													799		793
																		793		793	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 88 F	≥ 93 F	Total
Rel. Hum.	5749888	67190	84.7	8.480	793							
Dry Bulb	2605821	44999	56.7	8.370	794			10.8	1.1			90
Wet Bulb	2378361	42929	54.1	8.288	793		.3	5.4	.1			90
Dew Point	2215510	41310	52.1	8.957	793		1.7	3.5				90

USAFETAC FORM 24 54 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | SEP 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
-6/ 85						.5	.1	.1										6	6		
-4/ 83					.3	.1	.5	.1										8	8		
-2/ 81				.1	.5	.1	.1	.1										8	8		
0/ 79			.1	.6	.4	1.3			.1									20	20		
2/ 77			.1	.4	.4	.5	.3											13	13		
4/ 75		.1	.4	1.4	1.4	.6	.4	.1										35	35	10	
6/ 73		.1	.5	1.3	1.1	1.3	.3											36	36	15	2
8/ 71		.1	1.9	1.4	2.4	.6	.6	.3										58	58	20	14
10/ 69		1.3	1.3	1.5	2.5	.9	.8	.1										66	67	41	18
12/ 67		1.1	1.8	1.4	1.5	1.3	.4											59	59	45	32
14/ 65	.1	2.2	1.6	2.4	2.3	.5	.1											73	73	59	48
16/ 63		3.0	1.4	2.5	1.6	1.0	.3	.1										79	79	71	52
18/ 61		1.9	1.1	1.5	2.0	.8	.4											61	61	70	53
20/ 59		2.0	2.0	2.9	2.0	1.0		.1										80	80	81	69
22/ 57		1.1	1.8	2.7	1.4	.1	.1											57	57	72	60
24/ 55		1.6	1.9	1.1	.6	.3	.1											45	45	61	56
26/ 53		1.1	1.1	1.4	.3													31	31	73	63
28/ 51		.9	.5	.6	1.3													26	26	71	58
30/ 49		.5	.4	.5	.3													13	13	34	65
32/ 47		.5	.6	.1														10	10	26	50
34/ 45		.1	.3															3	3	22	54
36/ 43				.1														1	1	13	37
38/ 41																				3	19
40/ 39																				1	14
42/ 37																					8
44/ 35																					8
46/ 33																					5
48/ 31																					2
50/ 29																					1
TOTAL	.1	17.9	18.9	24.1	22.3	10.9	4.4	1.1	.1									788		788	
																			789		788

Element (X)	Σx_i^2	Σx_i	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4183661	56479	71.7	13.126	788							
Dry Bulb	3334216	50898	64.5	8.050	789			35.4	14.4	3.4		90
Wet Bulb	2776126	46408	58.9	7.392	788			15.0	2.9			90
Dew Point	2421533	43158	54.8	8.595	788		.3	7.5	.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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | SEP 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
92/ 91									.1									1	1		
90/ 89							.1	.4	.4									7	7		
88/ 87							.3	1.0	.3									12	12		
86/ 85						.5	.1	.4	.1			.3						11	11		
84/ 83					.4	.5	.1	.8	.3	.1								17	17		
82/ 81		.1	.3		.4	.8	.8	.8	.1	.1								26	26		
80/ 79				.3	1.0	1.8	.9	1.1	.3	.1								43	43	1	1
78/ 77			.1	.6	.8	1.0	2.0	.5		.3								42	42	4	
76/ 75		.1	.1	1.0	.6	2.3	1.4	.5	.3									50	50	17	2
74/ 73		.3	.6	1.3	1.1	2.4	1.6	1.5	.6									75	75	23	2
72/ 71		.3	.8	1.0	2.0	1.5	2.3	1.6										75	75	37	9
70/ 69			1.3	1.0	1.3	2.9	1.4	.8										68	68	44	32
68/ 67		.8	1.3	.5	1.1	.8	2.3	.5	.1									58	58	48	35
66/ 65		.6	.9	.9	1.9	1.8	2.5	.3	.3									72	72	58	39
64/ 63		1.3	.3	.8	1.4	2.3	2.0											63	63	77	51
62/ 61		1.4	.4	.4	1.8	1.8	.4	.3	.1									51	51	58	55
60/ 59		1.5	.8	.5	.9	.9	.1	.1										38	38	86	63
58/ 57		.5	1.5	.9	.9	.1	.5											35	35	66	66
56/ 55		.5	.6	.6	.3	1.3												26	26	73	42
54/ 53		.3	.4	.3	.3	.5												13	13	65	63
52/ 51		.1	.6		.3	.1												9	9	47	58
50/ 49			.3	.3	.3													6	6	23	52
48/ 47																				19	60
46/ 45																				14	61
44/ 43																				5	33
42/ 41																				3	19
40/ 39																					19
38/ 37																					10
36/ 35																					12
34/ 33																					6
32/ 31																					5
30/ 29																					3
TOTAL		7.6	10.0	10.2	16.4	22.9	18.7	10.4	2.9	.6		.3						798	798	798	798

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 72 F	≥ 80 F	≥ 92 F	Total
Rel. Hum.	3128085	48567	60.9	19.701	798							
Dry Bulb	3880142	55238	69.2	8.422	798			54.7	32.0	10.5		90
Wet Bulb	2977519	48387	60.6	7.392	798			19.6	5.1	.1		90
Dew Point	2433793	43455	54.5	9.206	798		.9	9.1	.6	.1		90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | SEP 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
94/ 93									.1									1	1		
92/ 91									.1									1	1		
90/ 89								.4	.1	.3								6	6		
88/ 87								.8	.8			.1						13	13		
86/ 85						.3	.4	.3	.3	.1	.1							11	11		
84/ 83				.1	.3	.3	.5	.6	.3		.1							17	17		
82/ 81					.4	.9	1.1	.9	.3	.1								29	29		
80/ 79				.1	.6	1.3	1.0	1.8	.6	.4								46	46		
78/ 77			.1	.6	.5	1.0	1.9	1.0	.3	.1								44	44	3	
76/ 75			.5	1.0	1.5	.8	1.4	.6	1.0	.3								56	56	9	1
74/ 73			.5	1.8	1.3	2.5	2.3	1.4	1.5	.1								90	90	23	1
72/ 71			.8	1.0	1.4	1.4	2.4	.6		.3								62	62	32	3
70/ 69		.3	1.8	.4	1.3	1.8	1.5	1.3										65	65	48	24
68/ 67		.4	1.5	.8	.4	1.9	2.5	.8	.1									66	66	66	36
66/ 65		.1	.4	1.4	1.0	2.2	2.5	.8	.1									67	67	75	55
64/ 63		1.4	.3	.9	1.1	1.3	1.9	.1										55	55	74	51
62/ 61	.1	.9	.8	.1	.9	1.6	1.0	.3	.1									46	46	67	37
60/ 59		.8	.3	.6	1.1	.6	1.0	.1										36	36	89	62
58/ 57		.5	1.5	.6	1.0	.6	.1	.1										36	37	62	61
56/ 55		.1	.3	.3	.4	.8												14	14	66	58
54/ 53		.1	.5	.3	.4	.3												12	13	67	44
52/ 51		.3	.6		.1	.1												9	9	40	69
50/ 49		.3	.1		.4	.3												8	8	25	53
48/ 47																				23	47
46/ 45																				14	65
44/ 43																				5	42
42/ 41																				2	21
40/ 39																					15
38/ 37																					15
36/ 35																					15
34/ 33																					8
32/ 31																					2
30/ 29																					8

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_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) 28-54 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) SEP (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
TOTAL	.1	5.1	9.9	10.0	14.1	19.7	21.6	11.8	5.7	1.6	.3	.1						790	792	790	790

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_n	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	2887091	46327	58.6	14.696	790							
Dry Bulb	3905782	55220	69.7	8.393	792			57.6	35.7	12.0	.1	90
Wet Bulb	2938940	47894	60.6	7.245	790			20.6	4.0			90
Dew Point	2360502	42568	53.9	9.200	790		.8	7.4	.2			90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) SEP (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
86/ 85							.3	.1	.1									4	4		
84/ 83						.1	.1											2	2		
82/ 81					.5	.5	.1		.1									10	10		
80/ 79				.3	.3	.3	.1											7	7		
78/ 77			.3	.3	1.0	.3	.4		.1									18	18		
76/ 75			.3	1.1	1.3	.6	.4	.1										30	30	1	
74/ 73		.1	1.0	1.9	.8	.8	.1	.1	.1									39	39	14	
72/ 71			1.4	1.6	1.3	1.3	.4	.1										48	48	18	5
70/ 69	.1	.6	3.1	1.4	1.8	.5	.4	.1										64	64	25	18
68/ 67		.9	2.9	1.9	2.5	.8	.1	.3										74	74	57	23
66/ 65		.6	2.9	1.4	1.1	1.3	.1											59	59	62	51
64/ 63		1.1	2.3	2.8	1.6	.5	.3											68	68	60	48
62/ 61	.1	1.8	2.6	2.4	2.8	.6	.1											83	83	68	53
60/ 59		1.4	2.9	2.1	1.3	.5												65	65	77	57
58/ 57		1.5	1.8	1.5	1.1	.3												49	49	71	63
56/ 55		.6	2.1	2.3	.8	.5												50	50	84	76
54/ 53		.4	2.3	1.1	.8	.1	.1											38	38	54	59
52/ 51			2.8	.8	.5													32	32	48	52
50/ 49		.3	2.3	.5	.3	.1												27	27	50	57
48/ 47		.8	.1	.6	.6													17	17	42	51
46/ 45		.4	.3	.1														6	6	32	54
44/ 43			.4	.4														6	6	14	42
42/ 41			.1															1	1	11	27
40/ 39																				6	20
38/ 37		.1																1	1	3	13
36/ 35																				1	12
34/ 33																					6
32/ 31																					8
30/ 29																					3
TOTAL	.3	10.5	31.6	24.3	20.1	8.9	3.0	.9	.5										798		798
																		798		798	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4201899	57135	71.6	11.810	798							
Dry Bulb	3247749	50465	63.2	8.410	798			33.4	12.4	2.3		90
Wet Bulb	2709862	46086	57.8	7.761	798			13.0	1.7			90
Dew Point	2354969	42767	53.6	8.889	798		1.2	5.2				90

FORM AS 44 0-26-5 (OL A) REVISES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) SEP (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			.3	.5															6	6		
76/ 75			.1	.7	.3														8	8		
74/ 73		.4	1.2	.8	.3														20	20	2	
72/ 71		.1	.7	1.0	.3														16	16	14	5
70/ 69		.9	3.8	.5	.8														46	46	14	12
68/ 67		2.1	2.5	.8	.7														46	46	37	15
66/ 65		1.8	3.3	1.2		.1													49	49	44	35
64/ 63		1.6	3.6	1.3	.1														51	51	40	46
62/ 61	.4	3.9	3.1	1.8	.3	.1													74	75	54	32
60/ 59		1.8	4.2	2.1	.1														63	63	66	59
58/ 57		3.0	5.6	2.7		.4													90	90	55	53
56/ 55	.1	3.1	4.0	.4	.1														60	60	86	57
54/ 53	.7	2.1	1.7	.4	.7														42	42	78	71
52/ 51		2.3	2.7	.1	.5														44	44	59	74
50/ 49		1.4	3.5	.9	.5														49	49	37	49
48/ 47		3.1	1.3	.4															37	37	50	63
46/ 45		2.6	1.3																30	30	48	39
44/ 43		.9	.7																12	12	39	42
42/ 41		.5	.4	.4															10	10	18	39
40/ 39		.7	.7	.3															12	12	7	24
38/ 37		.1	.1																2	2	10	19
36/ 35		.1																	1	1	9	18
34/ 33		.1																	1	1	1	2
32/ 31																					1	6
30/ 29																						7
28/ 27																						2
TOTAL	1.2	32.8	44.6	16.3	4.6	.7													769	770	769	769

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5021098	61769	80.3	8.863	769							
Dry Bulb	2677834	69996	88.4	8.401	770			16.6	4.0			90
Wet Bulb	2377255	62291	55.0	8.186	769		.1	7.8	.2			90
Dew Point	2160804	60180	52.2	8.942	769		1.8	3.7				90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | SEP MONTH

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93									.0									1	1		
92/ 91									.0									2	2		
90/ 89							.0	.1	.1	.0								13	13		
88/ 87							.0	.2	.1			.0						25	25		
86/ 85						.2	.1	.1	.1	.0	.0	.0						32	32		
84/ 83				.0	.1	.1	.2	.2	.1	.0	.0							44	44		
82/ 81		.0	.0	.0	.2	.3	.3	.2	.1	.0								73	73		
80/ 79			.0	.2	.3	.6	.3	.4	.1	.1								116	116	1	1
78/ 77			.1	.3	.3	.4	.6	.2	.0	.0								124	124	7	
76/ 75		.1	.2	.7	.7	.5	.4	.2	.2	.0								187	187	38	3
74/ 73		.2	.6	1.0	.6	.9	.5	.4	.3	.0								279	279	79	7
72/ 71		.4	1.0	1.0	1.0	.6	.7	.3		.0								312	312	135	44
70/ 69	.0	1.1	2.1	.8	1.0	.8	.5	.3										416	417	218	123
68/ 67		1.5	1.8	.8	.8	.6	.7	.2	.0									401	402	325	201
66/ 65	.1	2.1	2.0	1.2	.8	.7	.7	.1	.0									491	492	467	320
64/ 63	.0	2.6	1.6	1.5	.8	.6	.6	.0										481	481	461	367
62/ 61	.2	2.5	1.7	1.2	1.0	.6	.2	.1	.0									472	473	490	388
60/ 59	.1	2.3	2.5	1.5	.7	.4	.1	.0										484	484	531	455
58/ 57	.2	2.4	2.4	1.4	.6	.2	.1	.0										461	462	520	450
56/ 55	.2	2.2	2.4	.8	.3	.4	.0											395	396	574	446
54/ 53	.1	2.1	1.6	.6	.4	.1	.0											306	307	515	483
52/ 51		2.2	2.0	.3	.4	.0												313	314	479	497
50/ 49		1.4	1.6	.4	.3	.0												238	238	346	492
48/ 47		1.7	.7	.2	.1													171	171	304	444
46/ 45		1.6	.5	.1	.0													132	132	275	401
44/ 43		1.3	.3	.1														106	107	172	315
42/ 41		.6	.2	.1														59	59	131	238
40/ 39	.0	.7	.3	.1														71	71	57	181
38/ 37	.0	.2	.1															24	24	60	134
36/ 35	.0	.2	.0															15	15	36	116
34/ 33		.1																4	4	22	45
32/ 31																				5	42
30/ 29																					41
28/ 27																					11

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_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												

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

725250 (STATION) YOUNGSTOWN 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
26/ 25																					2
24/ 23																					1
TOTAL	1.0	29.5	25.9	14.4	10.3	8.1	6.1	3.1	1.2	.3	.0	.0						6248	6257	6248	6248

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	38980968	4646 36	74.4	15.119	6248							
Dry Bulb	24573244	387136	61.9	9.957	6257			239.2	103.1	28.7	.1	720
Wet Bulb	20631350	355166	56.8	8.412	6248		.6	92.8	19.4	.1		720
Dew Point	18091744	331360	53.0	9.108	6248		11.2	43.7	1.3	.1		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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | OCT 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				.1	.2	.2													5	5		
66/ 65			.1	.5	.4														8	8		
64/ 63		.1	.1	.4	.1	.4													9	9		
62/ 61		.5	.2	.4	.5	.1													14	15	5	
60/ 59		1.0	2.4	.6	.1	.1													35	35	12	5
58/ 57		2.4	2.1	1.1	.6	.6	.2												58	58	25	8
56/ 55		3.0	.9	.7	1.3	.1	.1												51	51	44	23
54/ 53	.2	3.2	1.1	.9	.1		.2												47	47	55	49
52/ 51		1.7	1.9	1.0	.1	.1													40	40	45	55
50/ 49		1.6	2.1	1.0	.7	.6													49	49	33	27
48/ 47	.1	4.3	2.1	2.2	.6														76	76	65	37
46/ 45		4.9	1.9	1.9	.1														73	73	58	40
44/ 43		4.3	2.9	.9															66	66	71	44
42/ 41		4.3	2.2	.5															57	57	81	81
40/ 39	.1	5.7	2.6	1.0															77	77	92	60
38/ 37		2.2	1.2	.7	.1														35	35	67	73
36/ 35		3.0	.6	.2															32	32	33	54
34/ 33		3.4	1.0	.5															40	40	46	69
32/ 31		2.8	1.3																34	34	33	68
30/ 29	.1	.9	.2																10	10	38	40
28/ 27		.1																	1	1	13	29
26/ 25		.6																	5	5	3	19
24/ 23		.1																	1	1	3	14
22/ 21																					1	18
20/ 19																						7
18/ 17																						3
TOTAL	.6	49.9	27.0	14.5	5.1	2.3	.6												823	824	823	823

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 92 F	Total
Rel. Hum.	5147880	64290	78.1	12.369	823							
Dry Bulb	1831300	38154	46.3	8.862	824		5.8	.6				93
Wet Bulb	1590082	35530	43.2	8.269	823		10.3					93
Dew Point	1355903	32535	39.5	9.210	823		22.4					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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
≥67 / 65				.1														1	1		
66 / 63			.4	.9	.1	.1												12	12		
62 / 61	.2	.4	.6	.5	.5													18	18	4	2
60 / 59	.1	1.1	2.2	.1	.2													31	31	7	4
58 / 57		2.0	.9	1.1	.6													37	37	31	8
56 / 55	.1	1.5	1.2	1.0	.5													35	35	44	29
54 / 53	.2	3.6	.7	.7	.2	.2	.1											48	49	23	26
52 / 51		2.7	2.1	.4		.4												45	45	47	45
50 / 49	.1	3.8	2.2	.9	.7													63	63	46	38
48 / 47		3.3	1.3	.7	.6													49	49	64	41
46 / 45	.1	4.8	2.6	1.0														69	69	48	54
44 / 43		4.3	3.1	1.8														75	75	57	46
42 / 41		5.0	1.6	.6														59	59	76	46
40 / 39	.6	5.4	2.2	.2														69	69	89	71
38 / 37	.4	4.9	1.1	.6														57	57	71	70
36 / 35		2.6	.7	.5														31	31	53	56
34 / 33		4.4	2.1															53	53	33	63
32 / 31	.1	2.9	.9															32	32	53	69
30 / 29		1.7	.4															17	17	36	45
28 / 27		1.0																8	8	21	28
26 / 25		.2																2	2	7	24
24 / 23		.5																4	4	2	22
22 / 21																				3	16
20 / 19																					9
18 / 17																					3
TOTAL	2.1	56.1	26.3	11.2	3.6	.7	.1												816		815
																		815		815	

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5359232	65462	80.3	11.152	815							
Dry Bulb	1714880	36708	45.0	8.831	816		7.2					93
Wet Bulb	1513362	34446	42.3	8.408	815		13.9					93
Dew Point	1313948	31838	39.1	9.286	815		24.6					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

725250 STATION | YOUNGSTOWN 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 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/ 65				.1															1	1		
64/ 63		.1		.9															8	8		
62/ 61		.4	.6	.4															11	11	1	
6 / 59		1.8	2.3																34	34	9	5
58/ 57	.4	.7	1.7	.5	.2														29	29	35	13
56/ 55		2.2	1.7	.4	.1														36	36	30	24
54/ 53	.2	2.4	1.5	.6		.1													40	40	30	26
52/ 51		3.2	1.9	.6	.1	.5													52	52	44	42
5 / 49		3.6	2.4	.9	.4	.1													61	61	44	43
48/ 47		3.9	1.9	1.0	.2														58	58	57	42
46/ 45	.1	5.5	3.4	.9	.1														82	82	61	45
44/ 43		5.3	2.7	.9															73	73	68	62
42/ 41		5.0	2.8	.1															65	65	88	44
4 / 39		4.7	2.7	.2															63	63	74	64
38/ 37	.4	4.4	1.6	.9															59	60	66	74
36/ 35	.4	2.4	1.8	.2															40	40	57	69
34/ 33	.4	3.4	2.1																48	48	41	54
32/ 31	.2	2.4	.9																29	29	49	75
3 / 29	.1	2.2	.5																23	23	36	38
2 / 27		.6																	5	5	20	26
26/ 25		.2																	2	2	7	30
24/ 23		.2																	2	2	4	16
22/ 21	.1	.1																	2	2	2	17
2 / 19																						12
18/ 17																						1
16/ 15																						1
TOTAL	2.3	54.9	32.4	8.4	1.2	.7														824		823
																			823		823	

Element (X)	$\Sigma_{x'}$	Σ_x	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5510326	66790	81.2	10.390	823							
Dry Bulb	1702526	36790	44.6	8.533	824		7.1					93
Wet Bulb	1517564	34678	42.1	8.281	823		13.3					93
Dew Point	1327345	32169	39.1	9.224	823		24.4					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

72525? STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
76/ 75						.1	.1											2	2		
74/ 73						.2												2	2		
72/ 71					.2	.4												5	5		
70/ 69					.6	.2	.1	.1										9	9		
68/ 67			.2	.5	.6	.1	.1	.1										14	14		
66/ 65		.1	.9	.5	1.0		.2	.2										24	24	4	1
64/ 63		1.1	.6	1.0	1.5	.4	.6											42	42	10	
62/ 61		.9	.7	1.6	.9	.4	.5											40	40	26	9
60/ 59		1.0	1.8	1.6	1.0	.2	.1											47	47	29	24
58/ 57		1.3	1.3	1.7	1.0	.7	.2											52	52	35	22
56/ 55		1.3	.9	1.2	1.0	.6	.2											43	43	51	19
54/ 53		1.1	1.2	2.6	1.6	1.0	.1											62	62	51	43
52/ 51		1.9	2.7	2.1	1.7	.5												73	73	46	46
50/ 49		2.6	3.3	3.3	1.2		.1											86	86	64	42
48/ 47	.2	2.1	1.8	2.3	1.1	.2												64	64	78	45
46/ 45		2.6	3.2	2.2	.7													71	71	86	45
44/ 43		2.1	2.2	1.2	.1	.1												47	47	86	76
42/ 41		1.7	1.8	1.2	.5													43	43	67	64
40/ 39		.2	2.4	1.2	.1													33	33	53	64
38/ 37		.9	1.1	1.6														29	29	43	73
36/ 35		.6	1.1	.2														16	16	26	55
34/ 33		.4	.9															10	10	32	43
32/ 31		.6		.1														6	6	23	55
30/ 29		.1																1	1	9	18
28/ 27																				2	24
26/ 25																					20
24/ 23																					21
22/ 21																					9
20/ 19																					2
18/ 17																					1
TOTAL	.2	22.5	28.1	26.1	14.7	5.2	2.6	.5										821		821	821

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4243758	57936	70.6	13.764	821							
Dry Bulb	2216682	42052	51.2	8.748	821		.8	3.6	.5			93
Wet Bulb	1830007	38191	46.5	8.074	821		3.9					93
Dew Point	1488486	34090	41.5	9.434	821		17.0					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

72525? STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | OCT 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					
[illegible] / 81						.1			.1										2	2		
[illegible] / 79							.2	.1											3	3		
78 / 77						.1	.1	.1											3	3		
76 / 75						.2	.4		.4										8	8		
74 / 73				.1	.2	.8	.2	.5		.1									17	17		
72 / 71			.1	.1	.5	.7	.8	.5	.1	.2									26	26	1	
[illegible] / 69		.1	.2	.4	1.0	1.2	1.3	1.1	.4										47	47	1	
6[illegible] / 67			.5	.6	1.1	.6	1.6	.8	.1	.1									45	45	7	3
[illegible]6 / 65		.2	.6	.1	1.5	1.0	1.0	.6	.2										43	43	15	
[illegible]4 / 63		.5	.8	1.2	.6	.7	1.3	.6	.4	.1									52	52	24	8
[illegible]2 / 61		.2	.4	.6	1.1	1.5	1.7	.6	.1										51	51	30	15
[illegible] / 59		.2	.5	1.0	1.9	1.8	.6	.6	.1										56	56	42	17
[illegible] / 57		.2	.5	.6	2.1	1.5	1.2	.4											53	53	49	25
5[illegible] / 55		1.2	.4	.7	2.2	2.2	.4	.1											59	59	56	26
[illegible]4 / 53		.1	.4	1.6	1.7	.7	.5	.1											42	42	61	31
[illegible]2 / 51		.4	1.5	.8	2.1	.8	.4												49	49	46	36
5[illegible] / 49		1.7	2.1	3.5	1.3	1.3	.1												83	83	75	34
4[illegible] / 47		1.2	1.1	1.3	2.1	.4	.1												51	51	84	46
4[illegible] / 45		1.2	.7	1.0	1.1	.2	.1												36	36	76	56
44 / 43		.5	.8	.7	.5	.1													22	22	74	65
[illegible]2 / 41		1.2	1.1	.8	.6														31	31	48	72
4[illegible] / 39		.4	1.3	.8	.6														26	26	50	68
3[illegible] / 37			.2	.6															7	7	30	67
[illegible] / 35		.2	.6	.4															10	10	23	54
3[illegible] / 33		.1	.1	.1															3	3	20	39
[illegible]2 / 31		.1																	1	1	10	47
[illegible] / 29																					4	26
2[illegible] / 27																						36
26 / 25																						26
24 / 23																						13
[illegible]2 / 21																						8
[illegible] / 19																						7
[illegible] / 17																						1

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

USAFETAC FORM 0-26-5 (OL A) 74 84 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) OCT (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		9.9	13.9	17.2	22.0	16.1	12.1	6.2	1.9	.6								826	826	826	826

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3109038	49004	59.3	15.639	826							
Dry Bulb	2701725	46535	56.3	9.850	826		.1	17.0	3.7	.3		93
Wet Bulb	2034888	40418	48.9	8.323	826		1.6	1.0				93
Dew Point	1499356	34224	41.4	9.929	826		18.5	.3				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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | OCT 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				
80/ 79							.1	.1	.2										4	4		
78/ 77					.1		.1												2	2		
76/ 75					.2	.4	.6	.2	.5		.2								16	16		
74/ 73						.5	1.0	.2	.1										17	17		
72/ 71			.1	.1	.6	1.0	1.0	.4	.5	.2									32	32		
70/ 69		.1	.5	.6	1.0	.6	1.3	1.6	.5										51	51	1	
68/ 67			.6	.4	.1	.2	.5	1.0	.7	.1									30	30	6	2
66/ 65			.4	1.2	1.3	1.1	1.6	.2	.4	.1									52	52	13	1
64/ 63		.5	.1	.4	.7	.6	1.1	1.0	.4	.2									41	41	27	3
62/ 61		.4	.5	.7	1.2	1.2	1.2	.6	.5										52	52	38	14
60/ 59		.6	.4	.6	1.6	2.0	2.4	.2	.5										68	68	37	19
58/ 57		.9	.1	.4	1.2	2.3	1.7	.2											56	56	39	21
56/ 55		.2	.2	.9	1.3	1.3	.6	.4											41	41	56	33
54/ 53			1.0	2.1	1.6	1.1	.7	.1											54	54	52	34
52/ 51		.4	1.8	.7	1.0	.5													36	36	47	22
50/ 49		1.5	.9	2.8	1.3	.6													58	58	77	27
48/ 47		.7	1.3	2.3	2.0	1.1	.4												64	64	96	45
46/ 45		.7	1.2	2.8	1.0	.5													51	51	64	43
44/ 43		.9	.2	.7	.5														19	19	66	66
42/ 41		1.0	.2	.5	.9														21	21	61	63
40/ 39		.9	.9	.6	1.0														27	27	46	72
38/ 37	.1	.1	.1	1.0															11	11	34	67
36/ 35		.7	.4	.4															12	12	17	65
34/ 33			.1	.2															3	3	23	47
32/ 31		.1	.1																2	2	14	53
30/ 29																					5	24
28/ 27																					1	20
26/ 25																						34
24/ 23																						13
22/ 21																						18
20/ 19																						11
18/ 15																						3
TOTAL	.1	9.6	11.2	19.4	18.7	15.0	14.4	6.3	4.3	.7	.2								820	820	820	820

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.
Rel. Hum.	2935232	47200	57.6	16.328	820
Dry Bulb	2697764	46288	56.4	10.179	820
Wet Bulb	1998236	39884	48.6	8.438	820
Dew Point	1435073	33285	40.6	10.127	820

Mean No. of Hours with Temperature

Element	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 86 F	≤ 93 F	Total
Rel. Hum.							
Dry Bulb		.2	17.2	4.4	.2		93
Wet Bulb		2.3	.8				93
Dew Point		20.0	.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

725250 STATION | YOUNGSTOWN 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					.1													1	1		
72/ 71				.1		.2	.1											4	4		
70/ 69				.1	.4	.9		.2										13	13		
68/ 67			.2	.2	.6	.1	.2	.1										13	13		
66/ 65		.1	.6	1.1	.4	.2	.4	.4										26	26	2	
64/ 63		.4	.7	.6	.7	.9	.4											30	30	5	
62/ 61		1.0	1.7	.4	1.0	.7	.7	.1										46	46	22	6
60/ 59		1.2	1.3	.6	.7	.6		.4										40	40	33	13
58/ 57		1.3	1.3	1.6	.7	.7	.4	.5										54	54	36	17
56/ 55		.5	1.0	1.0	1.8	.9	.2											44	44	41	38
54/ 53		.2	.5	3.3	1.0	.9	.1	.1										50	50	38	37
52/ 51		.9	3.5	2.1	1.1	.7	.5											72	72	39	25
50/ 49		1.8	2.8	1.8	1.7	.6												72	72	52	21
48/ 47		1.8	3.8	2.7	.4	.2												73	73	89	34
46/ 45		1.8	2.6	1.8	.4	.1												55	56	81	52
44/ 43		1.3	3.4	1.6	.9	.4												62	62	81	65
42/ 41		1.7	2.0	1.2	.4	.1												44	45	67	78
40/ 39	.1	1.7	2.4	.6	.4													43	43	64	70
38/ 37		1.7	1.1	1.1														32	32	60	66
36/ 35		.7	.9	.6														18	18	38	60
34/ 33		.6	.7	.2														13	13	26	59
32/ 31		.1	.6															6	6	23	66
30/ 29		.4	.2															5	5	11	21
28/ 27		.2																2	2	6	17
26/ 25																				4	23
24/ 23		.1																1	1	1	15
22/ 21																					19
20/ 19																					13
18/ 17																					1
16/ 15																					3
TOTAL	.1	19.8	31.5	22.8	12.6	8.3	3.1	1.8										819	821	819	819

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4034383	56265	68.7	14.374	819							
Dry Bulb	2159223	41435	50.5	9.109	821		1.6	3.5	.1			93
Wet Bulb	1751880	37278	45.5	8.209	819		5.1					93
Dew Point	1385383	32751	40.0	9.620	819		20.2					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

725250 STATION | YOUNGSTOWN 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
[illegible] / 69				.4	.2	.4												8	8		
68 / 67				.1	.5													5	5		
[illegible]6 / 65		.2		.2	.6	.2	.1											12	12		
[illegible]4 / 63		.2	.5	.6	.4	.2												16	16	6	2
[illegible]2 / 61		.4	.2	.6	.2	.5	.4											19	19	5	1
[illegible] / 59		2.1	1.3	1.0	.1	.7												43	43	21	6
58 / 57		2.9	1.7	1.0	.2	.4												51	51	24	13
56 / 55		2.9	1.3	.7	.9	.1	.4											52	52	57	29
[illegible]4 / 53		1.0	.7	1.8	.4	.4	.5											39	39	48	48
52 / 51	.1	.9	1.8	1.0	.5	.6	.1											41	41	30	41
50 / 49	.1	1.9	3.2	1.8	.9	.5												69	69	34	23
48 / 47	.1	3.5	3.2	2.8	1.0													87	87	61	33
46 / 45		4.5	2.6	1.6	.7													77	77	74	35
[illegible]4 / 43		2.4	3.2	.6	.2	.2												55	55	86	53
[illegible]2 / 41		3.8	3.6	.9	.1	.1												70	70	80	85
40 / 39		4.3	2.3	.2	.5													60	60	82	69
38 / 37	.1	2.1	1.5	.7														36	36	70	69
36 / 35		1.9	.6	.2														23	23	46	61
34 / 33		1.8	1.2	.4														28	28	30	58
[illegible]2 / 31		.6	1.0															13	13	28	77
30 / 29	.1	1.1	.4															13	13	18	35
28 / 27		.1																1	1	17	21
26 / 25																				1	24
24 / 23		.5																4	4	4	8
[illegible]2 / 21																					10
20 / 19																					14
18 / 17																					5
16 / 15																					2
TOTAL	.6	39.2	30.3	16.7	7.4	4.4	1.5											822	822		822
																		822		822	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4736692	61444	74.7	13.234	822							
Dry Bulb	1930104	39160	47.6	8.865	822		3.5	1.5				93
Wet Bulb	1642424	36120	43.9	8.204	822		7.7					93
Dew Point	1361763	32569	39.6	9.321	822		22.2					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

725257 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | OCT MONTH

PAGE 1 | ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
82/ 81						.0			.0									2	2		
80/ 79							.0	.0	.0									7	7		
78/ 77					.0	.0	.0	.0										5	5		
76/ 75					.0	.1	.1	.0	.1									26	26		
74/ 73				.0	.0	.2	.2	.1	.0	.0	.0							37	37		
72/ 71			.0	.0	.2	.3	.2	.1	.1	.1								67	67	1	
70/ 69		.0	.1	.2	.4	.4	.4	.4	.1									128	128	2	
68/ 67			.2	.2	.4	.2	.3	.3	.1	.0								112	112	13	5
66/ 65		.1	.3	.5	.6	.3	.4	.2	.1	.0								167	167	34	2
64/ 63		.4	.4	.7	.5	.4	.4	.2	.1	.0								210	210	72	13
62/ 61	.0	.5	.6	.6	.7	.5	.6	.2	.1									251	252	131	47
60/ 59	.0	1.1	1.5	.7	.7	.7	.4	.2	.1									354	354	190	93
58/ 57	.0	1.5	1.2	1.0	.8	.8	.5	.1										390	390	274	127
56/ 55	.0	1.6	.9	.8	1.1	.7	.2	.1										361	361	379	221
54/ 53	.1	1.4	.9	1.7	.8	.5	.3	.0										382	383	358	294
52/ 51	.0	1.5	2.2	1.1	.8	.5	.1											408	408	344	312
50/ 49	.0	2.3	2.4	2.0	1.0	.5	.0											541	541	425	255
48/ 47	.1	2.6	2.1	1.9	1.0	.2	.1											522	522	594	323
46/ 45	.0	3.2	2.3	1.6	.5	.1	.0											514	515	548	370
44/ 43		2.6	2.3	1.1	.3	.1												419	419	589	477
42/ 41		3.0	1.9	.7	.3	.0												390	391	568	533
40/ 39	.1	2.9	2.1	.6	.3													398	398	550	538
38/ 37	.1	2.0	1.0	.9	.0													266	267	441	559
36/ 35	.0	1.5	.8	.4														182	182	293	474
34/ 33	.0	1.8	1.0	.2														198	198	251	432
32/ 31	.0	1.2	.6	.0														123	123	233	510
30/ 29	.0	.8	.2															69	69	157	247
28/ 27		.3																17	17	80	201
26/ 25		.1																9	9	22	200
24/ 23		.2																12	12	14	122
22/ 21	.3	.0																2	2	6	115
20/ 19																					75
18/ 17																					15
16/ 15																					9

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_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

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) OCT (MONTH)

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	.8	32.7	25.1	17.0	10.7	6.6	4.3	1.9	.8	.2	.0							6569	6574	6569	6569

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	35076541	668399	71.3	15.982	6569							
Dry Bulb	16954210	327122	49.8	10.146	6574		26.3	43.5	8.7	.6		744
Wet Bulb	13878441	296549	45.1	8.650	6569		58.0	1.8				744
Dew Point	11167259	263461	40.1	9.563	6569		169.2	.6				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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | MAY 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
86/ 65			.1		.1													2	2		
84/ 63		.4	.3	.4														8	8		
82/ 61		.4	1.0	.5														15	15	6	
80/ 59		1.0	.9	.1														16	16	5	7
78/ 57		1.1	.6	.8	.6	.1												26	26	26	4
76/ 55	.4	1.3	.5	.5	.1													22	22	16	22
74/ 53		1.4	.6	.5	.3	.1		.3										25	25	23	30
72/ 51	.1	1.0	1.3	.3	.4	.1	.1											26	26	17	11
70/ 49	.1	1.1	1.3	.4	.6	.1												29	29	27	13
68/ 47	.1	.4	.8	1.5	1.1	.1												32	32	24	22
66/ 45		1.5	1.9	.5	.5	.3												37	37	23	19
64/ 43		.9	2.7	.6	.3	.3												37	37	17	18
62/ 41	.1	1.9	1.3	1.0		.1												35	35	53	28
60/ 39		2.2	3.5	.5														49	49	44	13
58/ 37	.1	3.3	2.4	.5														50	50	45	42
56/ 35		5.3	2.8	.6	.1													70	70	65	37
54/ 33		5.3	3.2	.4														70	70	67	40
52/ 31	.1	7.1	3.2	.1														82	82	81	81
50/ 29	.6	4.1	2.0															53	53	78	62
48/ 27	.8	3.4	.9															40	40	69	80
46/ 25	.1	3.7	.8															36	36	43	61
44/ 23		1.3	.1															11	11	37	42
42/ 21		.8																6	6	7	55
40/ 19	.5	.6																9	9	11	50
38/ 17	.1																	1	1	3	27
36/ 15																					16
34/ 13																					4
32/ 11																					2
30/ 9																					1
28/ 5		.3																2	2	1	
26/ 3																				1	
24/ 1	.1																	1	1	1	
22/ -3																					3

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
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

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

PAGE 2 0000-0200 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	3.4	49.5	32.0	9.2	4.2	1.3	.1	.3										790	790	790	790

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4713370	60274	76.3	12.041	790							
Dry Bulb	1304258	30986	39.2	10.615	790		27.5					90
Wet Bulb	1125255	28759	36.4	9.963	790		37.8					90
Dew Point	907668	25334	32.1	10.987	790	.3	55.1					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72525 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) NOV (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
[illegible]/ 63		.1	.4	.3														6	6		
[illegible]/ 61		.6	.5	.3														11	11	5	
[illegible]/ 59		1.1	.9	.3	.1													19	19	4	9
58/ 57		1.5	.9	.1	.5													24	24	25	4
56/ 55	.4	1.4		.5	.5	.1												23	23	18	22
[illegible]/ 53		.8	.1	.5														11	11	16	22
[illegible]/ 51	.1	.9	1.0	.4	.8		.1											26	26	14	9
5 / 49	.1	.9	.8	.5	.5	.1	.1											24	24	16	13
[illegible]/ 47		.5	.8	.5	.6													19	19	24	9
46/ 45		1.5	1.7	.8	.6	.3												38	38	19	20
[illegible]/ 43	.3	1.5	2.7	.4		.3												40	40	29	19
[illegible]/ 41		2.2	1.9	.5	.1													37	37	37	21
[illegible]/ 39	.4	3.8	1.4	.1														45	45	53	28
36/ 37		3.3	2.7	.3														49	49	52	30
34/ 35		5.4	3.4															69	69	39	55
34/ 33		6.0	2.9	.4														73	73	85	36
[illegible]/ 31	.1	7.2	4.0	.9														95	95	69	85
3 / 29	1.1	4.3	1.9															58	58	98	64
28/ 27	.4	4.1	.5															39	39	62	64
26/ 25	.4	3.2	.4															31	31	47	60
24/ 23	.5	1.7	.3															19	19	32	55
[illegible]/ 21	.5	1.0																12	12	20	51
[illegible]/ 19	.4	.8																9	10	10	37
16/ 17		.3																2	2	3	38
16/ 15		.1																1	1	2	13
14/ 13																				1	8
12/ 11																					7
1 / 9																					1
[illegible]/ 1	.4																	3	3	3	
-[illegible]/ -3																					1
-4/ -5																					2
TOTAL	5.8	59.3	29.2	6.6	3.8	.8	.3												784		783
																		783		783	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4850855	60953	77.8	11.639	783							
Dry Bulb	1224620	29879	38.1	10.497	784		31.0					90
Wet Bulb	1066163	27863	35.6	9.901	783		39.9					90
Dew Point	872639	24700	31.6	10.903	783	.5	55.9					90

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

725250 (STATION) YOUNGSTOWN 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
64/ 63		.5	.4	.5														11	11		
62/ 61		.6		.3														7	7	6	2
60/ 59		.8	.8	.3														14	14	8	8
58/ 57	.1	1.4	.9	.3		.3												23	23	15	11
56/ 55	.4	1.5	.3	.6	.3	.1												25	25	19	13
54/ 53	.1	1.4	.3	.3	.1													17	17	22	18
52/ 51	.4	1.0	.6	.6	.6													26	26	18	18
50/ 49		.1	.5	.8	.5													15	15	16	17
48/ 47	.1	1.0	.1		.8	.3												18	18	13	9
46/ 45	.1	2.1	1.4	.1		.1												31	31	20	14
44/ 43		1.8	1.9	.5														33	33	30	12
42/ 41		2.0	2.0	.5														36	36	34	25
40/ 39		4.5	2.0															52	52	35	28
38/ 37	.3	3.3	.9	.1														36	36	66	35
36/ 35	.3	5.9	3.9	.5														84	84	36	45
34/ 33	.5	7.2	3.1	.4														89	89	74	38
32/ 31	.8	7.5	2.5	.5														90	90	96	82
30/ 29	1.5	5.5	.6															61	61	102	83
28/ 27	.1	2.8	1.4															34	34	59	65
26/ 25	.5	3.9	.6															40	40	43	66
24/ 23	.1	2.1	.4															21	21	37	47
22/ 21	.5	.4	.4															10	10	21	53
20/ 19	.6	.9																12	12	8	32
18/ 17	.3	.3																4	4	11	35
16/ 15		.5																4	4	1	16
14/ 13		.1																1	1	3	8
12/ 11																				1	10
10/ 9																					3
8/ 7																					1
6/ 3	.1	.1																2	2	1	
2/ 1	.1																	1	1	2	
-2/ -3																					2
-4/ -5																					1

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
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

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) NOV (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
TOTAL	6.9	59.1	24.8	6.1	2.3	.8												797	797	797	797

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5100918	63179	79.3	10.835	797							
Dry Bulb	1209270	29876	37.5	10.595	797		31.6					90
Wet Bulb	1067579	28043	35.2	10.079	797		43.5					90
Dew Point	884984	25060	31.4	11.040	797	.3	56.9					90

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | NOV 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
72/ 71					.3													2	2		
7 / 69				.1	.3													3	3		
6 / 67				.3	.3													4	4		
6/ 65		.3	.5	.3	.3		.1											11	11		
4/ 63		.4	.1	.5		.3												10	10	9	1
2/ 61		1.1	.4	.3	.3	.1												17	17	9	5
/ 59		.5	.5		.5	.3												14	14	15	13
/ 57		.9	1.1	.4	.6	.3		.1										27	27	12	11
5 / 55		1.3	.8	.6	.6	.5	.3	.1										33	33	19	13
4/ 53	.3	.4	.3	1.0	.5	.5												23	23	24	19
2/ 51		.6	1.4	.8	.6	.3												29	29	16	19
/ 49		.5	1.4	.9	.5	.1	.1											28	28	20	8
/ 47		1.1	.1	.6	.3	.3												19	19	30	11
/ 45		2.0	.8	1.6	.1	.3												38	38	37	26
4/ 43	.3	1.8	1.9	1.0	.4													42	42	37	33
2/ 41		3.0	2.6	2.1	.4													65	65	36	29
/ 39	.3	1.4	3.0	1.5	.1													50	50	58	30
/ 37	.3	1.9	4.1	1.1	.3													61	61	48	36
/ 35	.4	3.6	4.0	1.0														72	72	61	42
/ 33	.1	4.5	4.1															70	70	79	35
2/ 31	.5	5.3	2.9	.1														70	70	93	82
/ 29	.9	3.9	.9	.1														46	46	80	83
/ 27	.1	1.9	.8															22	22	48	76
/ 25		1.6	.6															18	18	23	74
/ 23	.1	.9																8	8	23	25
2/ 21	.3	.3																4	4	8	47
/ 19	.1	.3																3	3	2	35
/ 17		.5																4	4	3	19
/ 15		.1																1	1	4	9
/ 13																					8
/ 11		.1																1	1		
/ 9																				1	3
/ 7		.1																1	1	1	2
/ 5		.1																1	1	1	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
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

72525 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) NOV (MONTH)

PAGE 2 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					
/ 1																						2
/ -1																						1
TOTAL	3.	540.	332.	214.	3	6.1	2.8	.5	.3										797		797	797
																			797		797	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4522484	59088	74.1	13.348	797							
Dry Bulb	1439190	32730	41.1	10.929	797		20.2	1.0				90
Wet Bulb	1215939	30083	37.7	10.053	797		32.4					90
Dew Point	966745	26329	33.0	11.037	797	.1	52.6					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) NOV (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
74/ 73					.1	.5												5	5		
72/ 71					.1	.6		.1										7	7		
7 / 69				.1	.6	.3		.5										12	12		
6 / 67			.3	.3	.5	.4	.8											17	17		
66/ 65		.3	.5	.4	.3	.3	.5		.1									18	18	2	
64/ 63			.4	.6	.5	1.0	.8	.1	.3									29	29	18	2
62/ 61		.4	.1	.4	.3	1.0	.4	.1	.6									26	26	12	2
60/ 59		.4	.5	.1	.6	.5	.4	.3	.1									23	23	14	16
58/ 57		.6	.3	.3	.4	.5	.4	.3	.1									22	22	17	15
56/ 55		.1	.6	.9	.8	1.1	.3											30	30	23	15
54/ 53	.1	.3	.4	.5	.6	.5		.3										21	21	28	10
52/ 51		.5	1.1	.5	1.3	.4	.5											34	34	22	11
50/ 49		1.5	.4	.6	.9	.4	.3											32	32	30	18
48/ 47		1.4	.1	.9	1.4	.3	.3											34	34	38	21
46/ 45	.1	1.4	.4	.9	.9	.1	.1											31	31	48	36
44/ 43		2.3	1.9	2.0	1.3													59	59	36	38
42/ 41		1.5	1.0	3.6	1.6													62	62	40	28
40/ 39	.3	.6	3.5	2.8	.8													63	63	50	32
38/ 37	.3	.3	2.8	3.0	.4													53	53	53	29
36/ 35		2.1	5.1	1.0														66	66	72	33
34/ 33		3.0	2.9	.5														51	51	86	29
32/ 31	.5	3.8	2.4	.1														54	54	86	77
30/ 29	.1	1.1	.9															17	17	61	82
28/ 27		1.0	1.3															18	18	25	65
26/ 25		.1	.5															5	5	13	82
24/ 23		.1	.1															2	2	12	37
22/ 21			.3															2	2	5	47
20/ 19																				2	33
18/ 17		.1																1	1		15
16/ 15		.3	.3															4	4	1	7
14/ 13		.1																1	1	3	7
12/ 11																				2	6
8/ 5																					1
4/ 3																					2

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_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

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) NOV (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
// 1																					3
TOTAL	1.4	23.2	27.8	19.4	13.1	7.8	4.5	1.6	1.3									799	799	799	799

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	3648656	52458	65.7	16.010	799							
Dry Bulb	1726824	35918	45.0	11.856	799		11.7	4.6	.6			90
Wet Bulb	1354685	31879	39.9	10.184	799		23.7					90
Dew Point	988493	26611	33.3	11.317	799		52.3					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

725257 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) NOV (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
74/ 73						.4				.1								4	4		
72/ 71					.5	.5			.1									9	9		
70/ 69				.3	.5	.1	.4	.4										13	13		
68/ 67				.6	.4		.4	.4										14	14		
66/ 65		.1	.4	.3	.1	.1		.6	.4									16	16		
64/ 63			.1	.6	.6	.6	.8	.3	.4									27	27	15	
62/ 61		.6	.1	.4	.4	.9	.8	.4	.8									34	34	16	3
60/ 59		.4	.5		.3	.4	.4	.1	.3									18	18	8	14
58/ 57		1.0	.5	.3	.5	.8	.6	.1	.1									31	31	24	16
56/ 55		.4	.9	.1	.0	1.1	.6											31	31	21	13
54/ 53		.8	.4	.9	1.1	.8	.3	.3	.2									36	36	21	15
52/ 51		.8	.4	.3	.9	.1												19	19	33	13
50/ 49	.3	.6	.1	1.4	.9	.8	.3	.1										35	35	32	23
48/ 47	.1	.8	.9	.9	.8	.1	.3											30	30	42	20
46/ 45		1.1	1.4	1.6	2.4	.4												55	55	41	17
44/ 43		.8	1.4	1.8	1.8	.6												50	51	43	21
42/ 41		.6	2.0	1.6	1.5	.3												48	48	33	34
40/ 39	.4	1.0	2.8	1.6	.6	.1												52	52	50	30
38/ 37		.4	1.9	2.4														37	37	63	36
36/ 35		1.8	4.3	2.1	.3													67	67	61	47
34/ 33		3.2	4.0	.5														61	61	63	36
32/ 31	.1	3.7	2.8															52	52	85	70
30/ 29	.4	1.3	.5															17	17	74	66
28/ 27		1.3	.3	.1														13	13	34	54
26/ 25		.4	1.3															13	13	8	88
24/ 23			.4															3	3	9	44
22/ 21	.3																	2	2	11	52
20/ 19																					39
18/ 17			.3															2	2		16
16/ 15			.1															1	1		8
14/ 13		.1																1	1	1	5
12/ 11																				1	3
10/ 9																					3
8/ 7																					1

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
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

725250 STATION | YOUNGSTOWN 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																					1
3/ 1																					3
TOTAL	1.5	21.0	27.7	17.8	14.3	8.1	4.7	2.7	2.1	.1								791	792	791	791

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 92 F	Total
Rel. Hum.	3483869	50803	64.2	16.725	791							
Dry Bulb	1737112	35862	45.3	11.967	792		11.8	4.5	.5			90
Wet Bulb	1342898	31596	39.9	10.114	791		25.6					90
Dew Point	957688	26049	32.9	11.292	791		51.5					90

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

725253 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
[illegible] / 69				.1	.1													2	2		
68 / 67				.1	.3		.3											5	5		
66 / 65				.5	.1													5	5		
64 / 63		.1	.6	.8														12	12	2	
62 / 61		.9	.8	.4	.1	.1	.4	.1										22	22	5	
[illegible] / 59		1.0	.5	.8	.8	.4	.1											28	28	20	7
58 / 57		1.3	.9	.4	.4	.1	.1		.1									26	26	19	17
56 / 55	.1	.3	1.0	.5	.8	.5	.3	.1										28	28	21	17
54 / 53		.8	.6	.8	.5	1.0	.1	.1										31	31	17	19
52 / 51		.6	.9	.6	1.0	.6	.1											31	31	25	11
50 / 49	.3	.6	.8	1.5	.5	.5												33	33	26	22
48 / 47	.1	.5	.8	.9	.8	.5	.1											29	29	29	18
46 / 45		1.6	1.0	1.3	1.4	.3												44	44	26	23
44 / 43	.4	1.3	1.0	1.1	.8	.3												38	38	51	21
42 / 41		.5	1.6	2.0	.3	.3												37	37	36	22
40 / 39		1.3	2.4	1.6	.9													49	49	33	24
38 / 37	.1	3.9	2.0	1.1	.1													58	58	58	28
36 / 35		1.4	4.3	1.0														53	53	65	42
34 / 33	.1	3.9	3.6	1.0														69	69	63	48
32 / 31		5.0	6.3	.4														93	93	81	70
30 / 29	.6	3.5	1.9															48	48	82	59
28 / 27	.3	1.9	.4															20	20	73	69
26 / 25		2.1	.3															19	19	28	73
24 / 23		.5	.1															5	5	20	42
22 / 21	.6	.9																7	7	11	61
20 / 19	.1	.1																2	2	2	66
18 / 17																				1	17
16 / 15		.3																2	2		9
14 / 13		.1																1	1	2	6
12 / 11		.1									1							1	1	1	2
10 / 9		.3																2	2	2	1
8 / 7																				1	
6 / 3																					3
2 / 1																					2

Element (X)	Σx^2	Σx	$\bar{x}$	σ_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

725250 (STATION) YOUNGSTOWN 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
/ -1																					1
TOTAL	2.8	33.9	31.5	16.8	8.6	4.5	1.5	.4	.1										800		800
																		800		800	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4161672	56560	70.7	14.278	800							
Dry Bulb	1469689	33127	41.4	11.072	800		22.5	.8				90
Wet Bulb	1210270	30058	37.6	10.063	800		34.2					90
Dew Point	922910	25650	32.1	11.216	800	.1	54.1					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

725250 STATION | YOUNGSTOWN 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
6/ 65			.5	.3														6	6		
64/ 63			.5	.6														9	9		
62/ 61			1.0	.3	.3													12	12	5	
60/ 59		1.0	1.0	1.0	.4	.5	.1	.1										33	33	6	3
58/ 57		1.4	.4	.3	.1	.4												20	20	24	10
56/ 55	.4	.4	1.0	.3		.1	.1											18	18	25	20
54/ 53		1.4	.8	.1	.5	.3	.1	.4										28	28	17	19
52/ 51		1.0	1.3	.8	.5	.3												30	30	20	18
50/ 49		.6	.8	.6	.3	.4												21	21	25	18
48/ 47	.3	1.3	.6	1.9	.4	.6												40	40	19	23
46/ 45	.3	1.1	.5	.9	1.3	.1												33	33	33	22
44/ 43	.3	1.8	1.5	1.3	.1	.1												40	40	33	15
42/ 41		1.1	1.5	1.4	.3													34	34	36	19
40/ 39	.3	2.2	3.0	1.5	.4													58	58	44	29
38/ 37		3.3	1.4	.6														42	42	51	26
36/ 35	.1	3.9	3.0	.6	.1													62	62	58	43
34/ 33		5.2	3.5	.3														71	71	70	41
32/ 31	.4	5.9	5.7	.1														96	96	71	68
30/ 29	.1	4.2	1.5															46	46	84	65
28/ 27	.4	2.9	.5															30	30	76	78
26/ 25		2.9	.9															30	30	33	59
24/ 23	.1	.8																7	7	29	42
22/ 21	.3	.8																8	9	14	70
20/ 19	.3	.6																7	7	3	49
18/ 17	.4																	3	3	8	28
16/ 15																					10
14/ 13		.1																1	1		3
12/ 11		.3																2	2	1	5
10/ 9																				2	1
8/ 7		.3																2	2	1	
6/ 5		.1																1	1	2	
4/ 3																					2
2/ 1																					1
-2/ -3																					3

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_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) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 (STATION) YOUNGSTOWN 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	3.4	44.6	31.0	12.8	4.6	2.8	.4	.5										790	791	790	790

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	9490789	58663	74.3	13.06	790							
Dry Bulb	1345789	31457	39.8	10.95	791		26.6					90
Wet Bulb	1139904	28928	36.6	10.10	790		36.9					90
Dew Point	899819	25167	31.9	11.14	790	.3	58.1					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

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | NOV 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					
74/ 73					.0	.1				.0									9	9		
72/ 71					.1	.1		.0	.0										18	18		
7 / 69				.1	.2	.0	.0	.1											30	30		
68/ 67			.0	.2	.2	.0	.2	.0											40	40		
66/ 65		.1	.3	.2	.1	.0	.1	.1	.1										58	58	2	
64/ 63		.2	.3	.5	.1	.2	.2	.0	.1										112	112	44	3
62/ 61		.6	.5	.3	.2	.3	.2	.1	.2										144	144	64	12
60/ 59		.8	.7	.3	.3	.3	.1	.1	.0										165	165	80	77
58/ 57	.0	1.2	.7	.3	.4	.3	.1	.1	.0										199	199	162	88
56/ 55	.2	.8	.6	.5	.5	.5	.2	.0											210	210	162	135
54/ 53	.1	.9	.4	.6	.5	.4	.1	.2	.0										192	192	168	152
52/ 51	.1	.8	1.0	.5	.8	.2	.1												221	221	165	110
5 / 49	.1	.8	.7	.8	.6	.3	.1	.0											217	217	192	132
48/ 47	.1	.9	.5	.9	.8	.3	.1												221	221	219	133
46/ 45	.1	1.6	1.1	1.0	.9	.2	.0												307	307	247	177
44/ 43	.1	1.5	1.9	1.1	.6	.2													339	340	276	177
42/ 41	.0	1.6	1.7	1.6	.5	.1													354	354	305	206
40/ 39	.2	2.1	2.7	1.2	.3	.0													418	418	367	214
38/ 37	.1	2.4	2.3	1.2	.1														386	386	436	262
36/ 35	.1	3.7	3.9	.9	.1														543	543	457	344
34/ 33	.1	4.8	3.4	.4															554	554	587	303
32/ 31	.3	5.7	3.7	.3															632	632	662	615
30/ 29	.7	3.5	1.3	.0															346	346	659	564
28/ 27	.3	2.4	.7	.0															216	216	446	551
26/ 25	.1	2.2	.7																192	192	238	563
24/ 23	.1	.9	.2																76	76	199	334
22/ 21	.3	.4	.1																51	52	97	436
20/ 19	.3	.4																	42	43	38	341
18/ 17	.1	.1	.0																17	17	29	195
16/ 15		.2	.0																13	13	8	88
14/ 13		.1																	5	5	12	49
12/ 11		.1																	4	4	6	35
10/ 9		.0																	2	2	5	13
8/ 7		.0																	3	3	3	4

Element (X)	Σ_{X^2}	Σ_X	$\bar{X}$	σ_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

725250 (STATION) YOUNGSTOWN 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
6/ 5		.1																4	4	4	1
4/ 3	.0	.0																2	2	2	8
2/ 1	.1																	5	5	6	11
/ -1																					2
-2/ -3																					9
-4/ -5																					3
TOTAL	3.5	40.7	29.5	12.9	7.1	3.6	1.5	.7	.4	.0								6347	6350	6347	6347

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 92 F	Total
Rel. Hum.	34972309	461973	72.8	14.570	6347							
Dry Bulb	11456752	259830	40.9	11.399	6350		182.8	11.0	1.0			720
Wet Bulb	9524693	237209	37.4	10.193	6347		273.8					720
Dew Point	7400938	204908	32.3	11.127	6347	1.6	433.6					720

FORM AS-4 0-26-5 (OL A) USAFETAC SUPERSEDES PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
/ 59				.2														2	2		
/ 57				.5	.1	.1												6	6		
/ 55		.4		.2	.1	.2												8	8		
/ 53		.4		.2														5	5	7	1
/ 51		.4																3	3	6	5
/ 49		.7	.1	.4														10	10	6	2
/ 47	.1	1.3	.2			.1												15	15	12	13
/ 45		.5	.8		.5													15	15	15	7
/ 43		.4	.6		.1	.4												12	12	8	11
/ 41		.5	.2	.2														8	8	10	9
/ 39	.2	1.5	.6	.6														24	24	18	8
/ 37	.2	1.6	1.1															24	24	17	18
/ 35	.7	3.6	2.2	1.6														67	67	33	19
/ 33	.1	5.1	1.7	.4														60	60	53	16
/ 31	1.0	7.1	5.4	1.0														120	120	81	61
/ 29	1.1	3.3	4.6															74	74	79	49
/ 27	.7	4.6	1.8	.1														60	60	74	47
/ 25	.5	6.1	1.8															69	69	102	56
/ 23		3.6	.8															37	37	66	33
/ 21	.5	3.6	.5															38	38	41	73
/ 19	.5	5.2	.1															48	48	39	88
/ 17	.7	2.9																30	30	54	64
/ 15	.2	1.9																18	18	20	43
/ 13		1.3																11	11	13	54
/ 11	.7	1.2																16	16	18	41
/ 9	1.0	.6																13	13	17	24
/ 7	.2	.4																5	5	6	23
/ 5		.7																6	6	9	15
/ 3	1.2	.1																11	11	11	8
/ 1	.5	.1																5	5	5	11
/ -1	.2																	2	2	2	12
/ -3	.5																	4	4	4	8
/ -5																					2
/ -7																					3

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_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 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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | DEC 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
-0/ -9																						2
TOTAL	11.0	59.1	22.8	5.4	.8	.8														826		826
																			826		826	

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4909309	62926	76.2	11.832	826							
Dry Bulb	770283	23653	28.6	10.622	826	.7	63.8					93
Wet Bulb	664763	21949	26.6	9.940	826	.7	72.2					93
Dew Point	491159	18009	21.8	10.927	826	3.0	80.7					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

72[illegible]250 — STATION
YOUNGSTOWN MAP OH — STATION NAME
73-81 — YEARS
DEC — 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
[illegible] / 57				.6	.1													6	6		
5[illegible] / 55		.2	.1	.1														4	4		
[illegible]4 / 53		.4	.2	.2														7	7	9	1
[illegible]2 / 51		.4	.5															7	7	3	5
5[illegible] / 49		.6	.7	.4														14	14	7	6
4[illegible] / 47		.1	.4															4	4	14	6
4[illegible] / 45		.1	.1	.2	.7													10	10	6	8
[illegible]4 / 43		.9	.5		.1	.2												14	14	8	9
42 / 41		.5	.2															6	6	10	10
4[illegible] / 39	.4	.9	.6															15	15	10	10
3[illegible] / 37		1.6	.7	1.0														27	27	15	4
3[illegible] / 35	.7	3.7	1.9	1.0	.2													61	61	28	16
3[illegible] / 33	.1	5.7	1.9	.5														66	66	56	22
32 / 31	1.1	7.4	3.6	.9														105	106	71	61
[illegible] / 29	.4	3.7	5.7															79	79	85	36
2[illegible] / 27	.5	4.5	2.0															56	56	59	43
2[illegible] / 25	1.1	5.9	.9															64	64	113	61
24 / 23	.1	4.8	.9															47	47	69	35
[illegible]2 / 21	.2	4.2																36	36	36	71
2[illegible] / 19	.9	4.6																44	44	46	93
18 / 17	.7	3.0																30	30	47	57
16 / 15	.6	3.7																35	35	27	53
14 / 13	.1	1.6																14	14	25	54
12 / 11	.6	.4																8	8	13	43
1[illegible] / 9	.6	1.0																13	13	8	15
[illegible] / 7	.6	.6																10	10	16	26
[illegible] / 5	.2	.4																5	5	6	16
4 / 3	1.2																	10	10	10	11
[illegible] / 1	.4																	3	3	3	9
/ -1	.4																	3	3	3	15
-[illegible] / -3	.1																	1	1	1	4
-4 / -5	.4																	3	3	3	3
-[illegible] / -7	.1																	1	1	1	
-[illegible] / -9																					4

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

FORM AS 64 0-26-3 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | DEC 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
- 1 /-11																					1
TOTAL	11.8	60.9	20.9	5.0	1.2	.2											808	809		808	
																			808		

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4870282	62058	76.8	11.350	808							
Dry Bulb	723099	22641	28.0	10.522	809	.9	65.3					93
Wet Bulb	626680	21044	26.0	9.869	808	.9	73.9					93
Dew Point	463559	17279	21.4	10.795	808	3.1	81.8					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

72525 — STATION
YOUNGSTOWN MAP OH — STATION NAME
73-81 — YEARS
DEC — 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
[illegible] / 59				.1														1	1		
5[illegible] / 55		.6	.1	.2														8	8		
[illegible]4 / 53		.5		.4														7	7	9	2
[illegible]2 / 51			.6															5	5	2	8
5 / 49		.2	.5	.1	.1	.2												10	10	2	1
[illegible] / 47		.6	.4	.2		.1												11	11	12	
44 / 45		.5	.4	.4	.4													13	13	8	10
44 / 43		.9	.2															9	9	10	7
42 / 41		1.1	.2	.1														12	12	14	12
4 / 39		.2	.9	.2														11	11	16	12
3[illegible] / 37		1.5	1.1	.5	.1													26	27	9	9
3[illegible] / 35	.6	3.2	1.3	.4	.2													47	47	29	8
34 / 33	.7	5.5	1.7	.2														67	67	57	27
32 / 31	.7	8.9	4.5	1.2														126	126	60	67
3[illegible] / 29	.6	3.9	3.2															63	63	102	36
2[illegible] / 27	.2	5.0	1.3	.2														56	56	66	45
2[illegible] / 25	.7	6.3	1.2	.2														70	70	80	60
24 / 23	.2	4.4	.7															44	44	81	40
22 / 21	1.2	3.6																40	40	48	59
[illegible] / 19	1.6	3.3																40	40	42	97
1[illegible] / 17	.5	3.0																29	29	30	55
1[illegible] / 15	1.2	3.8	.1															42	42	37	62
14 / 13	.5	2.4																24	24	30	40
1[illegible] / 11	.2	1.0																10	10	21	42
[illegible] / 9	.5	.7																10	10	12	28
[illegible] / 7	.5	1.6																17	17	16	29
[illegible] / 5		.4																3	3	8	11
[illegible] / 3	.6																	5	5	5	12
[illegible] / 1	1.1																	9	9	9	20
[illegible] / -1	.4																	3	3	3	9
-[illegible] / -3	.2																	2	2	2	8
-4 / -5	.2																	2	2	2	3
-[illegible] / -7	.1																	1	1	1	1
-[illegible] / -11																					2

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | DEC 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
-1 / -13																					1
TOTAL	12.8	62.9	18.5	4.6	.9	.4													824		823
																		823		823	

Element (X)	$\Sigma x_i'$	Σx_i	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	5045641	63705	77.5	11.145	823							
Dry Bulb	715669	22645	27.5	10.650	824	.9	67.3					93
Wet Bulb	622905	21093	25.6	10.006	823	.9	74.0					93
Dew Point	463912	17378	21.1	10.861	823	2.7	82.2					93

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

725250 (STATION) YOUNGSTOWN 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
5[illegible]/ 57		.2	.1		.1													4	4		
56/ 55		.2	.1	.1			.1											5	5	2	1
54/ 53		.1	.4	.2		.1	.1											8	8	4	1
52/ 51		.2	.5	.1														7	7	4	3
5[illegible]/ 49		.5	.4	.2	.2	.2												13	13	7	3
48/ 47		.6	.2			.2												9	9	8	10
46/ 45		1.1	.1	.1														11	11	12	3
44/ 43		.4	.1	.5	.1													9	9	12	14
42/ 41		.5	.2	.4	.1													10	10	10	11
4[illegible]/ 39	.2	1.9	1.3	.6	.6													39	39	14	7
3[illegible]/ 37	.7	1.2	.6	1.0														29	29	30	11
36/ 35	.7	4.1	1.7	.6														59	59	35	19
34/ 33	.8	5.2	2.3	1.0														77	77	58	36
32/ 31		8.3	3.0	1.0														101	101	69	55
3[illegible]/ 29	.5	5.9	3.9	.4														88	88	97	41
28/ 27	.1	7.2	1.5															72	72	84	51
26/ 25	.6	5.1	1.2															57	57	99	71
24/ 23	.4	3.2	.4															32	32	60	45
22/ 21	.6	3.0	.8															37	37	33	71
2[illegible]/ 19	.6	4.0																38	38	40	88
18/ 17	.6	3.2	.1															32	32	38	59
16/ 15	.4	2.2	.2															23	23	31	46
14/ 13	.2	1.7																16	16	17	39
12/ 11	.4	1.0																11	11	18	29
1[illegible]/ 9	.4	1.5																15	15	14	30
[illegible]/ 7		1.0																8	8	10	27
[illegible]/ 5	.1	.1																2	2	5	6
4/ 3	.7	.1																7	7	7	12
[illegible]/ 1	.2																	2	2	3	23
[illegible]/ -1	.2																	2	2	2	8
-4/ -5	.1																	1	1	1	2
-6/ -7																					1
-1[illegible]/-11																					1

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_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) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 (STATION) YOUNGSTOWN 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
TOTAL	9.7	63.7	19.3	6.2	1.2	.6	.2											824	824	824	824	824

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4917678	62860	76.3	12.191	824							
Dry Bulb	779140	23942	29.1	10.072	824	.3	61.4					93
Wet Bulb	672913	22229	27.0	9.434	824	.3	70.9					93
Dew Point	497883	18309	22.2	10.519	824	1.4	79.6					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

725250 (STATION) YOUNGSTOWN 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 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					.6		.4											8	8			
58/ 57			.2	.1	.1		.4											7	7			
56/ 55			.1	.1														2	2			
54/ 53		.1	.5	.4			.1											9	9	4		
52/ 51		.2	.2	.1		.2												7	7	9	6	
50/ 49		.4	.6	.5		.4												15	15	7	1	
48/ 47		.8	.1	.2	.4	.1												14	14	12	4	
46/ 45	.2	.5	.7	.5	.1	.1												18	18	18	12	
44/ 43	.2	.7	.4	.4	.7	.1												21	21	11	19	
42/ 41		.6	.7	1.0	.7													25	25	20	7	
40/ 39	.2	2.1	1.2	1.2	.7	.1												46	46	21	9	
38/ 37	.4	2.9	.8	2.3	.5													57	57	43	21	
36/ 35	.2	3.3	3.3	1.2	.5													70	70	43	33	
34/ 33	.2	5.8	4.2	1.7														99	99	70	28	
32/ 31	.1	4.6	3.6	.8														76	76	97	60	
30/ 29	.5	5.0	4.6	.2														85	85	97	46	
28/ 27	.5	4.2	2.4	.1														60	60	78	61	
26/ 25	.2	4.1	2.8	.1														60	60	83	61	
24/ 23	.1	1.7	1.3															26	26	50	56	
22/ 21		1.7	1.1															23	23	41	83	
20/ 19	.1	1.9	.5															21	21	25	73	
18/ 17		2.1	.5															21	21	22	45	
16/ 15		1.8	.1															16	16	24	38	
14/ 13		1.6	.1															14	14	14	42	
12/ 11		1.3	.1															12	12	12	30	
10/ 9		.8																7	7	16	19	
8/ 7		.7																6	6	7	15	
6/ 5		.1																1	1	3	19	
4/ 3																					15	
2/ 1																					16	
0/ -1																					3	
-2/ -3																					4	
-4/ -5																					1	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_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) 82 44 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

 1200-1800 (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	3.1	49.1	30.4	11.0	4.5	1.1	.8												827	827	827	827

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4349376	588638	71.1	14.059	827							
Dry Bulb	926767	26473	32.0	9.801	827		48.1					93
Wet Bulb	766877	24067	29.1	8.972	827		64.0					93
Dew Point	537506	19230	23.3	10.459	827	.9	77.3					93

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

725250 STATION | YOUNGSTOWN 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
62/ 61					.2			.1										3	3		
60/ 59					.2	.1	.4											6	6		
58/ 57			.2	.1	.1	.4												7	7		
56/ 55		.2	.2	.4			.2											9	9		
54/ 53		.4	.1				.1											5	5	10	1
52/ 51				.2	.1	.1												4	4	7	7
50/ 49	.1	.4	.4	.7		.2												15	15	7	1
48/ 47		.6	.5	.6	.2	.1												17	17	9	5
46/ 45		.7	.5	.7	.5													20	20	11	14
44/ 43	.2	1.0	.5	.9	.7	.1												28	28	22	9
42/ 41		.1	.9	1.7	.5	.1												27	27	21	9
40/ 39		1.7	1.6	1.2	.6	.1												43	43	19	6
38/ 37		2.4	1.1	2.4	1.0													57	57	35	17
36/ 35	.2	3.8	2.3	1.8														67	67	57	38
34/ 33	.1	4.4	3.7	2.1	.1													85	85	69	32
32/ 31		6.0	4.4	2.1														102	102	82	48
30/ 29	.7	3.1	5.1															73	74	102	66
28/ 27	.4	2.7	2.6															46	46	76	42
26/ 25	.1	3.2	2.7															49	49	76	68
24/ 23		2.0	2.2															34	35	54	54
22/ 21		1.5	1.3															23	23	33	64
20/ 19	.2	1.7	1.3															27	27	26	79
18/ 17		2.4	.4															23	23	30	44
16/ 15		1.2	.1															11	11	25	38
14/ 13		.9	.1															8	8	10	49
12/ 11	.1	1.3																12	12	10	35
10/ 9		1.6																13	13	14	15
8/ 7		.2																2	2	10	21
6/ 5																				1	12
4/ 3	.1	.1																2	2	1	17
2/ 1		.1																1	1	2	13
0/ -1																					10
-2/ -3																					2
-4/ -5																					1

Element (X)	Σx^2	Σx	$\bar{X}$	σ_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) 80-54 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | DEC 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	2.4	43.7	32.2	15.0	4.4	1.3	.7	.1										819	821	819	819

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4183502	57172	69.8	14.094	819							
Dry Bulb	937440	26488	32.3	10.052	821		98.5					93
Wet Bulb	766116	23902	29.2	9.158	819		62.7					93
Dew Point	626900	18874	23.0	10.602	819	1.5	77.0					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

725250 STATION | YOUNGSTOWN 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					
[illegible] / 59				.1															1	1		
[illegible] / 57				.2	.1	.1	.1												5	5		
5[illegible] / 55		.2		.1		.2	.1												6	6		
[illegible]4 / 53		.7	.4	.1															10	10	4	2
[illegible]2 / 51	.1	1.0	.4		.2														14	14	10	5
5[illegible] / 49		.1	.4	.5		.2													10	10	13	6
[illegible] / 47		.5	.2	.1		.1													8	8	7	10
[illegible] / 45		.8	.6	.2		.1													15	15	10	7
44 / 43		.7	.8	.5	.1	.2													20	20	18	11
42 / 41		1.2	1.0	.2															20	20	14	8
[illegible] / 39	.1	.7	1.2	1.3	.2														30	30	20	12
3[illegible] / 37	.1	2.2	.6	.7	.2														32	32	27	8
3[illegible] / 35	.6	2.7	1.0	.6	.1														41	41	30	37
34 / 33	.4	6.9	3.4	.7															94	94	57	17
[illegible]2 / 31	.5	6.2	7.6	.6															123	123	76	55
3[illegible] / 29	1.0	4.4	4.7																83	84	97	62
2[illegible] / 27	.5	3.9	2.8	.1															60	60	98	41
26 / 25	.4	3.6	1.9																49	49	84	59
24 / 23	.2	2.9	1.2																36	36	55	58
[illegible]2 / 21	.2	3.3	1.3																40	40	43	69
2[illegible] / 19		3.3	.5																31	31	30	70
1[illegible] / 17		3.2																	26	26	39	52
1[illegible] / 15		1.8																	15	15	24	53
14 / 13	.2	.8																	9	9	15	46
1[illegible] / 11	.1	1.8																	16	16	10	31
[illegible] / 9		1.1																	9	9	13	23
[illegible] / 7		1.0																	8	8	10	18
[illegible] / 5	.2	.5																	6	6	12	17
4 / 3	.1	.2																	3	3	4	10
[illegible] / 1	.2	.2																	4	4	3	21
[illegible] / -1	.1																		1	1	2	8
-[illegible] / -3																						2
-4 / -5																						6
-[illegible] / -9																						1

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_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-4 0-26-5 (OL A) USAFETAC REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) DEC (MONTH)

PAGE 2 1800-2000 (HOURS (L. S. T.))

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TOTAL	5.2	56.0	30.1	6.3	1.1	1.1	.2											825	826	825	825

Element (X)	$\Sigma X'$	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 90 F	Total
Rel. Hum.	4621289	60869	73.8	12.612	825							
Dry Bulb	835579	24888	30.1	10.191	826	.1	58.5					93
Wet Bulb	710027	22879	27.7	9.575	825	.2	69.3					93
Dew Point	515196	18529	22.5	10.973	825	1.9	79.1					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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | DEC 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
58/ 57		.1	.2	.5	.1		.4											11	11		
56/ 55			.2	.1	.2													5	5	2	1
54/ 53		.9	.1	.2														10	10	1	1
52/ 51		.4	.5															7	7	13	3
50/ 49		.4	.5			.1												8	8	9	9
48/ 47		1.3	.2		.1	.1												15	15	12	9
46/ 45		.4	.4	.5		.1												11	11	16	6
44/ 43		.5				.2												6	6	4	15
42/ 41		1.3	.1	.1	.1													14	14	13	9
40/ 39	.5	1.6	1.1	.7														32	32	19	12
38/ 37	.7	1.7	1.0	.6	.2													35	35	22	15
36/ 35	.2	2.7	1.3	.5														39	39	31	19
34/ 33	.4	6.6	2.4	.6														82	82	43	18
32/ 31	1.1	5.9	5.3	.9														107	107	87	56
30/ 29	1.1	5.4	4.4	.1														90	90	80	52
28/ 27	.7	4.0	3.9															71	71	100	59
26/ 25	.1	4.7	1.0															47	47	88	57
24/ 23	.1	2.8	.9															31	31	55	41
22/ 21	.6	5.3	.6															53	53	42	68
20/ 19	.4	3.4	.4															34	34	42	68
18/ 17	.4	3.1																28	28	39	63
16/ 15		1.5																12	12	22	53
14/ 13	.5	1.7																18	18	14	47
12/ 11	.4	1.0																11	11	15	24
10/ 9	.2	.7																8	8	13	31
8/ 7	.2	1.1																11	11	10	22
6/ 5	.2	.1																3	3	7	12
4/ 3	.9	.1																8	8	7	10
2/ 1	.6	.1																6	6	7	16
0/ -1	.2																	2	2	2	7
-2/ -3	.2																	2	3	2	3
-4/ -5																					8
-8/ -9																					2
-10/-11																					1

Element (X)	$\Sigma x'$	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
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

725250 (STATION) YOUNGSTOWN 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
TOTAL	9.9	58.8	24.6	4.9	.9	.6	.4											817	818	817	817

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4820308	61994	75.9	11.933	817							
Dry Bulb	790438	23908	29.2	10.606	818	.6	61.7					93
Wet Bulb	682473	22179	27.1	9.925	817	.5	71.9					93
Dew Point	507503	18233	22.3	11.103	817	2.4	79.7					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

72525? STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | DEC 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
?2/ 61					.0			.0										4	4			
?/ 59				.1	.1	.0	.1											18	18			
?/ 57		.0	.1	.3	.1	.1	.1											46	46			
56/ 55		.2	.1	.2	.0	.1	.1											47	47	4	2
?4/ 53		.4	.2	.2		.0	.0											61	61	48	9
?2/ 51	.0	.3	.3	.1	.0	.0												54	54	54	42
5 / 49	.0	.4	.4	.4	.0	.2												95	95	58	29
48/ 47	.0	.7	.3	.2	.1	.1												93	93	86	57
46/ 45	.0	.6	.5	.3	.3	.0												113	113	96	67
?4/ 43	.1	.7	.4	.3	.2	.2												119	119	93	95
?2/ 41		.7	.5	.5	.2	.0												122	122	112	75
4?/ 39	.2	1.3	1.1	.7	.3	.0												240	240	137	78
3?/ 37	.3	1.9	.9	1.1	.3													287	288	198	103
?6/ 35	.5	3.4	1.9	1.0	.1													451	451	286	189
34/ 33	.4	5.6	2.7	.9	.0													630	630	463	196
?2/ 31	.6	6.8	4.7	1.1														860	861	623	463
?/ 29	.7	4.3	4.5	.1														635	637	739	388
?/ 27	.5	4.5	2.3	.1														481	481	635	389
?6/ 25	.5	4.9	1.7	.0														465	465	725	493
24/ 23	.2	3.2	1.1															287	288	490	362
?2/ 21	.4	3.3	.7															290	290	317	558
?/ 19	.5	3.4	.4															283	283	290	656
18/ 17	.4	2.8	.1															219	219	299	439
16/ 15	.3	2.2	.1															172	172	210	386
14/ 13	.2	1.5	.0															114	114	138	371
1?/ 11	.3	1.1	.0															96	96	117	275
?/ 9	.3	1.0																88	88	107	185
8/ 7	.2	.8																67	67	85	181
6/ 5	.1	.3																26	26	51	108
4/ 3	.6	.1																46	46	45	95
?/ 1	.6	.1																30	30	32	129
/ -1	.2																	13	13	14	72
-?/ -3	.1																	9	10	9	31
-4/ -5	.1																	6	6	6	26

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_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 AWS 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS) DEC (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
-/ / -7	.0																	2	2	2	5
-/ / -9																					9
- / -11																					5
-1 / -13																					1
TOTAL	9.	15	6.8	24.8	7.3	1.9	.8	.3	.0										6575		6569
																		6569		6569	

Element (X)	$\Sigma_{X'}$	Σ_X	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	37687375	490497	74.7	12.720	6569							
Dry Bulb	6478408	194632	29.6	10.443	6575	3.5	474.6					744
Wet Bulb	5512754	179342	27.3	9.688	6569	3.8	558.8					744
Dew Point	4003562	145836	22.2	10.799	6569	16.9	637.3					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

725250 STATION | YOUNGSTOWN 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
94/ 93									.0	.0	.0							4	4			
92/ 91								.0	.0	.0	.0							33	34			
90/ 89						.0	.0	.0	.0	.0								85	85			
88/ 87					.0	.0	.1	.1	.0	.0	.0	.0	.0					184	185			
86/ 85					.0	.1	.1	.1	.1	.0	.0	.0						363	363			
84/ 83				.0	.1	.1	.1	.2	.1	.1	.0	.0	.0	.0				611	613			
82/ 81		.0	.0	.0	.2	.2	.3	.3	.2	.1	.0	.0	.0					984	985			
80/ 79		.0	.0	.1	.3	.4	.3	.3	.2	.1	.0	.0	.0					1348	1350	14	2	
78/ 77		.0	.1	.2	.4	.3	.4	.2	.1	.1	.0	.0						1333	1333	98	5	
76/ 75	.0	.0	.2	.4	.5	.4	.3	.3	.2	.1	.0	.0						1820	1822	298	39	
74/ 73		.1	.4	.6	.4	.4	.3	.2	.1	.0	.0	.0						2035	2036	773	143	
72/ 71	.0	.3	.6	.5	.4	.3	.3	.2	.1	.1	.0	.0						2198	2199	1170	409	
70/ 69	.0	.6	1.0	.4	.4	.3	.2	.2	.1	.0	.0	.0						2588	2591	2016	1017	
68/ 67	.0	.8	1.0	.5	.4	.3	.3	.1	.1	.0	.0							2672	2674	2879	1746	
66/ 65	.1	1.0	.9	.6	.4	.3	.2	.2	.1	.0	.0							2864	2868	3066	2201	
64/ 63	.0	1.2	.7	.6	.4	.3	.2	.1	.1	.0								2768	2771	3263	2521	
62/ 61	.1	1.0	.7	.6	.4	.3	.2	.2	.1	.0								2576	2578	3040	2729	
60/ 59	.1	1.2	1.0	.5	.3	.3	.2	.1	.0	.0								2833	2834	2979	2851	
58/ 57	.1	1.1	.8	.5	.3	.3	.2	.1	.0	.0								2599	2603	3079	2799	
56/ 55	.1	.9	.8	.4	.4	.3	.2	.0	.0									2373	2374	2999	2969	
54/ 53	.1	.9	.6	.5	.3	.3	.2	.0	.0									2229	2231	2644	2822	
52/ 51	.0	.9	.9	.4	.4	.3	.1	.0										2269	2272	2480	2587	
50/ 49	.0	.9	.9	.5	.4	.2	.1	.0										2282	2283	2387	2440	
48/ 47	.1	1.0	.6	.5	.4	.2	.0	.0										2094	2094	2638	2423	
46/ 45	.0	1.2	.7	.6	.4	.1	.0											2321	2322	2570	2278	
44/ 43	.1	1.0	.7	.5	.3	.1	.0											2122	2125	2456	2212	
42/ 41	.0	1.0	.8	.6	.3	.0												2088	2090	2456	2206	
40/ 39	.1	1.1	1.0	.6	.3	.0												2434	2435	2391	2310	
38/ 37	.1	1.1	.8	.7	.1	.0												2166	2171	2551	2221	
36/ 35	.2	1.6	1.2	.5	.1													2658	2659	2412	2375	
34/ 33	.1	1.9	1.3	.4	.0													2856	2859	3095	2252	
32/ 31	.1	2.0	1.6	.4	.0													3160	3162	3050	3487	
30/ 29	.2	1.6	1.2	.2	.0													2407	2413	3091	2675	
28/ 27	.1	1.6	.8	.1	.0													1961	1962	2632	2670	

Element (X)	$\Sigma x'$	Σx	$\bar{X}$	σ_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

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 YEARS | ALL 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
26 / 25	.1	1.5	.7	.0													1832	1832	2548	2891
24 / 23	.0	1.0	.4	.0													1146	1148	2002	1855
22 / 21	.2	.9	.4														1133	1135	1425	2619
20 / 19	.2	1.3	.3	.0													1337	1339	1155	2705
18 / 17	.1	1.0	.1														982	984	1330	1797
16 / 15	.1	1.0	.1														921	923	1027	1516
14 / 13	.1	.9	.0														751	751	813	1493
12 / 11	.2	.7	.0														695	696	815	1371
10 / 9	.1	.6	.0														559	560	762	1054
8 / 7	.1	.4	.0														409	410	473	967
6 / 5	.1	.2	.0														244	244	379	656
4 / 3	.2	.2															322	322	318	698
2 / 1	.2	.2															276	276	306	770
0 / -1	.1	.0															131	132	160	399
-2 / -3	.1	.0															84	85	95	299
-4 / -5	.1	.0															65	65	69	255
-6 / -7	.0	.0															30	30	31	184
-8 / -9	.0																18	18	18	132
-10 / -11	.0																12	12	12	60
-12 / -13	.0																17	17	17	39
-14 / -15	.0																5	5	5	53
-16 / -17																				35
-18 / -19																				22
-20 / -21																				5
-22 / -23																				16
-24 / -25																				7
TOTAL	3.8	36.3	23.3	12.3	8.2	5.9	4.4	3.0	1.7	.7	.3	.1	.0	.0			76287	76364	76287	76287

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	405127013	5418845	71.0	16.278	76287							
Dry Bulb	207950099	3688047	48.3	19.766	76364	41.2	2096.6	1902.4	1031.6	345.7	.5	8760
Wet Bulb	169723754	3337390	43.7	17.633	76287	46.1	2553.7	881.6	139.1	.4		8760
Dew Point	140309363	2941057	38.6	18.787	76287	170.5	3485.5	394.9	22.2	.1		8760

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

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS)

HRS (L S T)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN	21.8	23.1	34.7	43.3	51.7	60.1	63.5	64.0	57.0	46.3	39.2	28.6	43.9
	S D	12.457	13.303	11.828	11.446	9.639	8.256	6.923	6.546	8.650	8.862	10.615	10.622	17.687
	TOTAL OBS	823	749	817	797	771	704	726	734	757	824	790	826	9318
03-05	MEAN	21.5	22.2	33.7	41.7	50.0	58.2	62.1	62.8	55.6	45.0	38.1	28.0	42.8
	S D	12.821	13.527	11.884	11.472	9.700	8.318	7.173	6.484	8.653	8.831	10.497	10.522	17.458
	TOTAL OBS	812	740	805	785	769	702	731	737	759	816	784	809	9249
06-08	MEAN	20.7	21.5	33.4	42.7	53.2	62.8	65.3	64.2	56.7	44.6	37.5	27.5	44.2
	S D	12.657	13.839	11.867	11.210	9.435	7.545	6.360	6.062	8.370	8.533	10.595	10.650	18.479
	TOTAL OBS	823	747	824	799	822	802	821	829	794	824	797	824	9706
09-11	MEAN	22.5	24.8	38.1	49.4	61.2	70.0	73.7	72.0	64.5	51.2	41.1	29.1	49.9
	S D	12.086	13.012	11.814	11.891	10.118	7.462	5.892	5.689	8.050	8.748	10.929	10.072	20.388
	TOTAL OBS	815	737	823	798	812	787	818	813	789	821	797	824	9634
12-14	MEAN	25.5	29.0	42.5	53.8	65.7	74.0	78.0	76.4	69.2	56.3	45.0	32.0	54.1
	S D	11.491	12.176	12.568	12.694	10.692	7.933	6.151	5.920	8.422	9.850	11.856	9.801	20.872
	TOTAL OBS	822	749	816	797	823	800	822	818	798	824	799	827	9697
15-17	MEAN	26.2	30.0	43.8	54.8	66.3	74.6	78.6	77.1	69.7	56.9	45.3	32.3	54.7
	S D	11.434	12.047	13.051	12.655	10.727	7.729	6.271	6.039	8.393	10.179	11.967	10.052	20.873
	TOTAL OBS	817	751	818	795	815	785	818	817	792	820	792	821	9638
18-20	MEAN	23.8	27.0	40.0	50.2	61.6	70.1	74.0	71.8	63.2	50.5	41.4	30.1	50.4
	S D	11.590	12.480	12.456	11.979	10.112	7.724	6.199	5.973	8.410	9.109	11.072	10.191	19.871
	TOTAL OBS	826	746	821	797	821	795	828	821	798	821	800	826	9700
21-23	MEAN	22.5	24.9	36.7	45.5	56.7	62.8	66.7	66.0	58.4	47.6	39.8	29.2	45.9
	S D	11.978	13.002	11.961	11.277	9.369	8.066	6.246	6.043	8.401	8.865	10.950	10.606	18.074
	TOTAL OBS	824	747	820	794	786	733	760	762	770	822	791	818	9427
ALL HOURS	MEAN	23.1	25.3	37.9	47.7	58.2	66.7	70.9	69.5	61.9	49.8	40.9	29.6	48.3
	S D	12.206	13.256	12.730	12.755	11.656	9.905	8.861	8.124	9.957	10.146	11.399	10.443	19.764
	TOTAL OBS	6562	5968	6549	6362	6419	6108	6321	6331	6257	6574	6350	6575	76369

USAFETAC FORM AM 64 0-89-3 (OL1)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

72-250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS)

HRS (L S T)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG	SEP	OCT	NOV	DEC	ANNUAL
0-02	MEAN	20.2	21.1	31.5	39.3	47.9	56.7	60.7	61.4	54.2	43.2	36.4	26.6	41.1
	S D	11.689	12.229	10.643	10.038	9.022	7.683	6.516	6.252	8.511	8.269	9.963	9.940	16.973
	TOTAL OBS	823	748	816	797	771	704	726	733	756	823	790	826	9313
03-05	MEAN	20.0	20.3	30.9	38.3	46.8	55.4	59.8	60.7	53.2	42.3	35.6	26.0	40.4
	S D	12.067	12.482	10.970	10.191	9.225	7.900	6.822	6.359	8.575	8.405	9.901	9.869	16.917
	TOTAL OBS	812	736	802	784	763	701	730	734	756	815	783	808	9224
6-08	MEAN	19.4	19.8	30.8	39.0	49.2	58.2	62.1	61.7	54.1	42.1	35.2	25.6	41.6
	S D	12.022	12.781	11.021	9.792	8.868	7.042	5.951	5.931	8.288	8.281	10.079	10.006	17.678
	TOTAL OBS	821	747	823	798	822	801	819	829	793	823	797	823	9696
9-11	MEAN	21.0	22.6	34.3	43.2	53.6	62.2	66.1	65.9	58.9	46.5	37.7	27.0	45.0
	S. D.	11.516	11.808	10.684	9.660	8.643	6.545	5.247	5.062	7.392	8.074	10.053	9.434	18.159
	TOTAL OBS	815	737	822	798	812	786	818	811	788	821	797	824	9629
12-14	MEAN	23.3	25.8	37.2	45.5	55.4	63.6	67.2	67.3	60.6	48.9	39.9	29.1	47.1
	S. D.	10.819	11.018	10.846	9.645	8.383	6.635	5.189	4.994	7.392	8.323	10.184	8.972	17.672
	TOTAL OBS	821	748	815	795	823	798	821	814	798	826	799	827	9685
15-17	MEAN	23.7	26.4	37.7	45.9	55.5	63.6	67.2	67.2	60.6	48.6	39.9	29.2	47.2
	S. D.	10.634	10.868	10.805	9.503	8.214	6.437	5.078	4.967	7.245	8.438	10.114	9.154	17.490
	TOTAL OBS	816	751	818	795	815	785	814	815	790	820	791	819	9629
18-20	MEAN	21.7	24.2	35.0	43.3	53.3	61.7	65.7	65.2	57.8	45.5	37.6	27.7	45.0
	S. D.	10.823	11.458	10.622	9.637	8.522	6.719	5.234	5.215	7.761	8.209	10.063	9.575	17.586
	TOTAL OBS	826	746	821	795	821	794	828	821	798	819	800	825	9694
21-23	MEAN	20.8	22.6	33.0	40.8	49.8	58.3	62.6	62.6	55.0	43.9	36.6	27.1	42.5
	S. D.	11.217	12.068	10.619	9.902	8.762	7.452	5.870	5.765	8.188	8.284	10.189	9.925	17.062
	TOTAL OBS	822	745	820	794	785	732	760	761	769	822	790	817	9417
ALL HOURS	MEAN	21.3	22.9	33.8	41.9	51.5	60.1	64.0	64.1	56.8	45.1	37.4	27.3	43.7
	S. D.	11.444	12.071	11.066	10.179	9.266	7.632	6.368	6.113	8.412	8.650	10.193	9.688	17.633
	TOTAL OBS	6556	5958	6537	6356	6412	6101	6316	6318	6248	6569	6347	6569	76287

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

72525 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (YEARS)

HRS (L S T)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	OCT.	NOV	DEC	ANNUAL
0-02	MEAN	15.3	15.3	25.8	34.1	43.9	54.3	58.9	59.8	51.9	39.5	32.1	21.8	37.2
	S. D.	12.653	13.175	11.896	11.040	10.381	8.144	6.880	6.575	9.228	9.210	10.987	10.927	18.553
	TOTAL OBS	823	748	816	797	771	704	726	733	756	823	790	826	9313
3-05	MEAN	15.2	14.7	25.5	33.6	43.5	53.4	58.3	59.3	51.2	39.1	31.6	21.4	36.8
	S. D.	13.033	13.347	12.306	10.989	10.322	8.345	7.107	6.696	9.211	9.286	10.903	10.795	18.519
	TOTAL OBS	812	736	802	784	763	701	730	734	756	815	783	808	9224
6-08	MEAN	15.0	14.4	25.7	34.1	45.3	55.6	60.1	60.1	52.1	39.1	31.4	21.1	38.0
	S. D.	13.040	13.488	12.309	10.451	10.127	7.712	6.467	6.366	8.957	9.224	11.040	10.861	19.060
	TOTAL OBS	821	747	823	798	822	801	819	829	793	823	797	823	9696
9-11	MEAN	16.4	16.7	28.1	35.9	46.8	57.0	61.5	62.2	54.8	41.5	33.0	22.2	39.8
	S. D.	12.785	12.752	12.283	10.679	10.695	8.065	6.799	6.291	8.595	9.434	11.037	10.519	19.064
	TOTAL OBS	815	737	822	798	812	786	818	811	788	821	797	824	9629
12-14	MEAN	17.3	18.3	29.2	36.3	46.6	56.7	60.9	61.9	54.5	41.4	33.3	23.3	40.1
	S. D.	12.565	12.787	12.583	10.947	10.793	8.500	7.033	6.725	9.200	9.929	11.317	10.459	18.665
	TOTAL OBS	821	748	815	795	823	798	821	814	798	826	799	827	9685
15-17	MEAN	16.9	18.3	28.8	35.9	46.2	56.1	60.5	61.3	53.9	40.6	32.9	23.0	39.6
	S. D.	12.384	12.939	12.500	11.205	10.826	8.638	7.036	6.816	9.200	10.127	11.242	10.602	18.612
	TOTAL OBS	816	751	818	795	815	785	819	815	790	820	791	819	9629
18-20	MEAN	15.8	17.1	27.2	35.0	45.7	55.8	60.6	61.1	53.6	40.0	32.1	22.5	39.0
	S. D.	12.149	13.227	12.078	11.355	11.154	8.549	6.757	6.471	8.889	9.620	11.216	10.973	18.883
	TOTAL OBS	826	746	821	795	821	794	828	821	798	819	800	825	9695
21-23	MEAN	15.5	16.6	26.6	34.8	45.1	55.1	59.9	60.4	52.2	39.6	31.9	22.3	38.0
	S. D.	12.174	13.417	11.985	11.371	10.499	8.138	6.563	6.310	8.942	9.321	11.149	11.103	18.624
	TOTAL OBS	822	745	820	794	785	732	760	761	769	822	790	817	9417
ALL HOURS	MEAN	15.9	16.4	27.1	35.0	45.4	55.5	60.1	60.8	53.0	40.1	32.3	22.2	38.6
	S. D.	12.619	13.211	12.310	11.043	10.662	8.336	6.897	6.601	9.108	9.563	11.127	10.799	18.787
	TOTAL OBS	6586	5958	6537	6356	6412	6181	6316	6318	6298	6569	6347	6569	76287

USAFETAC FORM JUL 84 0-89-3 (OL-1)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

2

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (PERIOD) JAN (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.6	99.6	97.9	90.8	73.6	37.2	7.7	76.2	823
	03-05	100.0	100.0	100.0	99.9	98.4	92.7	77.2	39.5	7.6	77.0	812
	06-08	100.0	100.0	100.0	100.0	99.1	95.1	82.8	42.6	9.3	78.4	821
	09-11	100.0	100.0	100.0	100.0	98.8	92.5	79.0	40.1	7.2	77.4	815
	12-14	100.0	100.0	100.0	99.1	95.4	82.2	54.0	24.5	5.0	71.5	821
	15-17	100.0	100.0	100.0	98.4	92.2	73.2	42.8	18.8	5.0	68.4	816
	18-20	100.0	100.0	100.0	99.3	94.7	83.9	58.7	22.4	3.9	71.8	826
	21-23	100.0	100.0	99.8	99.6	97.6	90.9	67.4	31.6	5.4	74.9	822
TOTALS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	6556

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (PERIOD) FEB (MONTH)

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	99.2	94.5	82.9	63.5	27.7	8.7	73.0	748
	03-05	100.0	100.0	100.0	99.3	94.0	83.7	64.5	29.1	10.3	73.7	736
	06-08	100.0	100.0	100.0	99.6	95.4	86.1	64.8	32.5	12.9	74.8	747
	09-11	100.0	100.0	100.0	99.3	92.8	81.0	56.4	26.7	10.0	72.1	737
	12-14	100.0	100.0	99.9	96.4	86.1	60.3	34.5	14.0	5.3	65.3	748
	15-17	100.0	100.0	99.5	93.6	78.7	51.3	30.5	13.2	6.0	63.0	751
	18-20	100.0	100.0	99.9	96.2	89.1	68.0	40.2	17.7	6.6	67.2	746
	21-23	100.0	100.0	100.0	98.5	93.4	80.3	54.9	22.4	7.5	71.5	745
TOTALS		100.0	100.0	99.9	97.8	90.5	74.2	51.2	22.9	8.4	70.1	5958

USAFETAC FORM 0-67-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725250 YOUNGSTOWN MAP OH 73-81 [redacted]
STATION STATION NAME PERIOD

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	99.6	97.7	91.1	74.9	52.8	27.5	8.7	70.9	[redacted]
	03-05	100.0	100.0	100.0	99.1	92.1	79.6	59.2	31.8	10.0	72.9	[redacted]
	06-08	100.0	100.0	100.0	99.9	93.9	82.9	62.8	36.9	10.9	74.3	823
	09-11	100.0	100.0	99.6	96.6	87.2	69.1	44.9	26.6	8.5	68.6	822
	12-14	100.0	100.0	97.8	90.6	72.1	47.6	29.4	17.4	5.4	61.4	815
	15-17	100.0	99.9	95.4	84.0	61.2	42.2	26.7	14.8	4.8	58.3	818
	18-20	100.0	100.0	98.3	89.5	72.4	52.9	32.8	17.2	5.0	62.4	821
	21-23	100.0	100.0	99.5	96.1	87.2	69.3	44.5	22.9	6.6	68.3	820
TOTALS		100.0	100.0	98.8	94.2	82.2	64.8	44.1	24.4	7.5	67.1	6537

USAFETAC FORM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

72525 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (PERIOD) APR (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	99.6	96.5	88.3	73.4	55.5	37.3	9.2	71.8	797
	03-05	100.0	100.0	99.9	97.4	92.1	80.6	62.0	42.5	11.6	74.2	784
	06-08	100.0	100.0	99.6	98.0	91.9	79.2	59.3	37.2	9.9	73.3	798
	09-11	100.0	100.0	97.4	88.3	71.7	53.0	33.3	18.2	4.1	62.4	798
	12-14	100.0	99.4	91.9	73.0	53.3	36.7	25.3	14.8	2.6	55.1	795
	15-17	100.0	98.9	85.9	65.3	47.5	34.7	25.2	11.2	3.4	52.9	795
	18-20	100.0	99.4	94.3	79.5	61.8	44.8	31.8	17.2	3.9	59.0	795
	21-23	100.0	100.0	99.2	94.6	82.4	65.1	45.5	28.8	8.2	68.1	794
TOTALS		100.0	99.7	96.0	86.6	73.6	58.4	42.2	25.9	6.6	64.6	6356

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

72250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 PERIOD | MAY 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	97.8	93.1	82.9	66.7	44.0	19.8	76.1	771
	03-05	100.0	100.0	100.0	99.6	96.1	87.8	76.7	53.9	22.1	79.3	763
	06-08	100.0	100.0	100.0	99.5	92.6	81.3	65.7	45.7	18.0	76.0	822
	09-11	100.0	100.0	97.7	85.3	69.3	50.5	34.4	17.2	4.6	61.7	812
	12-14	100.0	99.4	90.2	71.2	49.3	32.4	20.7	9.8	2.9	53.3	823
	15-17	100.0	98.8	87.0	65.6	46.3	29.8	20.9	10.1	2.8	51.7	815
	18-20	100.0	99.9	94.3	79.2	61.3	45.8	31.5	17.2	5.1	59.0	821
	21-23	100.0	100.0	99.9	95.9	88.9	74.1	55.4	33.8	11.7	71.6	785
TOTALS		100.0	99.8	96.1	86.8	74.6	60.6	46.5	29.0	10.9	66.1	6412

USAFETAC FORM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (PERIOD) JUN (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	100.0	99.6	97.0	83.8	58.2	18.8	81.6	704
	03-05	100.0	100.0	100.0	100.0	99.9	98.9	90.0	68.8	26.8	84.4	701
	06-08	100.0	100.0	100.0	100.0	99.4	94.4	78.8	50.8	19.0	80.0	801
	09-11	100.0	100.0	100.0	96.9	83.1	58.0	33.2	16.0	5.0	64.8	786
	12-14	100.0	100.0	99.6	86.2	58.0	33.2	19.3	9.6	1.1	56.3	798
	15-17	100.0	100.0	99.2	78.9	51.7	30.1	16.7	7.8	1.9	54.3	785
	18-20	100.0	100.0	99.6	94.6	75.7	47.7	27.8	13.9	3.9	62.0	794
	21-23	100.0	100.0	100.0	100.0	99.3	89.8	70.2	37.3	10.8	76.6	732
TOTALS		100.0	100.0	99.7	94.6	83.3	68.6	52.5	32.8	10.9	70.0	6101

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

72525 (STATION) YOUNGSTOWN 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	100.0	98.8	93.7	72.9	25.6	84.8	726
	03-05	100.0	100.0	100.0	100.0	99.7	99.3	95.3	83.3	35.3	87.4	730
	06-08	100.0	100.0	100.0	100.0	99.8	97.8	87.1	67.2	24.4	83.5	819
	09-11	100.0	100.0	99.8	98.5	88.3	64.1	40.0	18.9	3.5	66.8	818
	12-14	100.0	100.0	99.4	91.4	62.5	35.3	16.8	7.1	2.1	57.0	821
	15-17	100.0	100.0	99.3	87.8	54.7	30.1	16.1	8.7	1.7	55.5	814
	18-20	100.0	100.0	100.0	97.1	82.4	57.9	32.2	14.6	2.7	64.4	828
	21-23	100.0	100.0	100.0	100.0	99.7	96.4	79.1	48.3	11.3	79.3	760
TOTALS		100.0	100.0	99.8	96.9	85.9	72.5	57.5	40.1	13.3	72.3	6316

USAFETAC FORM JUL 84 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

2

725250 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 PERIOD | AUG 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	97.7	79.3	27.0	86.3	733
	03-05	100.0	100.0	100.0	100.0	100.0	99.7	98.1	85.6	36.1	88.1	734
	06-08	100.0	100.0	100.0	100.0	100.0	99.3	95.2	79.1	30.6	86.5	829
	09-11	100.0	100.0	100.0	99.5	95.4	79.9	54.0	30.3	7.2	72.2	811
	12-14	100.0	100.0	99.9	96.4	77.6	50.0	28.4	11.7	2.2	62.1	814
	15-17	100.0	100.0	100.0	93.9	69.2	42.0	23.4	11.7	2.6	59.8	815
	18-20	100.0	100.0	100.0	99.0	92.1	75.3	48.6	23.1	4.9	70.0	821
	21-23	100.0	100.0	100.0	100.0	100.0	99.7	88.6	62.4	12.7	82.2	761
TOTALS		100.0	100.0	100.0	98.6	91.8	80.7	66.8	47.9	15.4	75.9	6318

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

72525 STATION | YOUNGSTOWN MAP OH STATION NAME | 73-81 PERIOD | SEP 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	99.7	98.3	90.5	65.6	16.3	83.2	756
	03-05	100.0	100.0	100.0	100.0	99.9	98.7	93.9	72.5	24.1	85.0	756
	06-08	100.0	100.0	100.0	100.0	99.9	99.1	93.3	70.4	24.6	84.7	793
	09-11	100.0	100.0	100.0	99.4	95.8	78.2	50.5	26.6	8.6	71.7	788
	12-14	100.0	100.0	99.5	96.9	70.8	42.2	25.3	14.0	2.6	60.9	798
	15-17	100.0	100.0	99.5	92.4	65.8	36.7	22.8	10.8	1.8	58.6	790
	18-20	100.0	100.0	100.0	99.5	95.6	80.2	55.8	23.8	3.0	71.6	798
	21-23	100.0	100.0	100.0	100.0	99.9	96.6	86.0	51.8	7.8	80.3	769
TOTALS		100.0	100.0	99.9	98.5	90.9	78.8	64.8	41.9	11.1	74.5	6248

USAFETAC FORM AWS 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAPETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

72250 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (PERIOD) OCT (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	99.4	97.0	88.9	74.1	52.5	12.9	78.1	823
	03-05	100.0	100.0	100.0	99.9	98.5	93.7	79.9	58.0	16.7	80.3	815
	06-08	100.0	100.0	100.0	100.0	99.1	96.5	83.4	57.6	19.0	81.2	823
	09-11	100.0	100.0	100.0	98.8	92.1	74.3	49.5	25.7	7.2	70.6	821
	12-14	100.0	100.0	98.3	89.6	68.6	41.3	22.9	13.1	2.7	59.3	826
	15-17	100.0	100.0	96.5	84.9	63.2	39.1	22.4	12.6	1.6	57.6	820
	18-20	100.0	100.0	100.0	95.7	87.3	72.4	47.5	23.0	4.0	68.7	819
	21-23	100.0	100.0	100.0	98.7	93.4	84.9	65.6	40.0	7.8	74.7	822
TOTALS		100.0	100.0	99.4	95.9	87.4	73.9	55.7	35.3	9.0	71.3	6569

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

72525 (STATION) YOUNGSTOWN MAP OH (STATION NAME) 73-81 (PERIOD) NOV (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	99.7	99.2	96.6	89.5	72.0	39.6	10.5	76.3	790
	03-05	100.0	100.0	100.0	99.4	98.0	92.0	75.2	46.1	13.5	77.8	783
	06-08	100.0	100.0	100.0	99.7	98.5	94.5	80.3	50.7	14.6	79.3	797
	09-11	100.0	100.0	99.7	99.2	95.1	83.7	61.4	35.4	11.2	74.1	797
	12-14	100.0	100.0	98.0	95.0	82.7	61.6	36.5	23.2	6.0	65.7	799
	15-17	100.0	100.0	97.2	91.7	76.1	57.8	37.4	18.8	4.6	64.2	791
	18-20	100.0	100.0	99.6	97.6	89.6	76.1	53.3	26.9	6.5	70.7	800
	21-23	100.0	100.0	99.6	99.0	94.4	85.2	65.4	35.6	8.0	74.3	790
TOTALS		100.0	100.0	99.2	97.6	91.4	80.1	60.2	34.5	9.4	72.8	6347

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

72525 YOUNGSTOWN 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	99.6	97.6	89.1	67.8	38.1	11.5	76.2	826
	03-05	100.0	100.0	100.0	100.0	97.9	90.8	72.5	40.2	10.8	76.8	808
	06-08	100.0	100.0	100.0	100.0	98.2	92.8	74.2	44.0	11.8	77.5	823
	09-11	100.0	100.0	100.0	99.6	97.5	89.4	68.0	40.8	11.4	76.3	824
	12-14	100.0	100.0	100.0	98.3	92.3	76.4	50.4	28.8	10.3	71.1	827
	15-17	100.0	100.0	100.0	98.9	91.3	71.1	46.5	25.5	8.2	69.8	819
	18-20	100.0	100.0	100.0	99.4	96.4	85.7	58.2	32.4	12.0	73.8	825
	21-23	100.0	100.0	100.0	99.1	97.8	89.2	68.2	37.1	11.5	75.9	817
TOTALS		100.0	100.0	100.0	99.4	96.1	85.6	63.2	35.9	10.9	74.7	6569

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

72-25? YOUNGSTOWN 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	99.9	99.5	96.8	87.7	66.9	32.1	6.4	74.5	6556
FEB		100.0	100.0	99.9	97.8	90.5	74.2	51.2	22.9	8.4	70.1	5958
MAR		100.0	100.0	98.8	94.2	82.2	64.8	44.1	24.4	7.5	67.1	6537
APR		100.0	99.7	96.0	86.6	73.6	58.4	42.2	25.9	6.6	64.6	6356
MAY		100.0	99.8	96.1	86.8	74.6	60.6	46.5	29.0	10.9	66.1	6412
JUN		100.0	100.0	99.7	94.6	83.3	68.6	52.5	32.8	10.9	70.0	6101
JUL		100.0	100.0	99.8	96.9	85.9	72.5	57.5	40.1	13.3	72.3	6316
AUG		100.0	100.0	100.0	98.6	91.8	80.7	66.8	47.9	15.4	75.9	6318
SEP		100.0	100.0	99.9	98.5	90.9	78.8	64.8	41.9	11.1	74.5	6248
OCT		100.0	100.0	99.4	95.9	87.4	73.9	55.7	35.3	9.0	71.3	6569
NOV		100.0	100.0	99.2	97.6	91.4	80.1	60.2	34.5	9.4	72.8	6347
DEC		100.0	100.0	100.0	99.4	96.1	85.6	63.2	35.9	10.9	74.7	6569
TOTALS		100.0	100.0	99.1	95.5	87.0	73.8	56.0	33.6	10.0	71.2	76287

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F PRESSURE SUMMARY

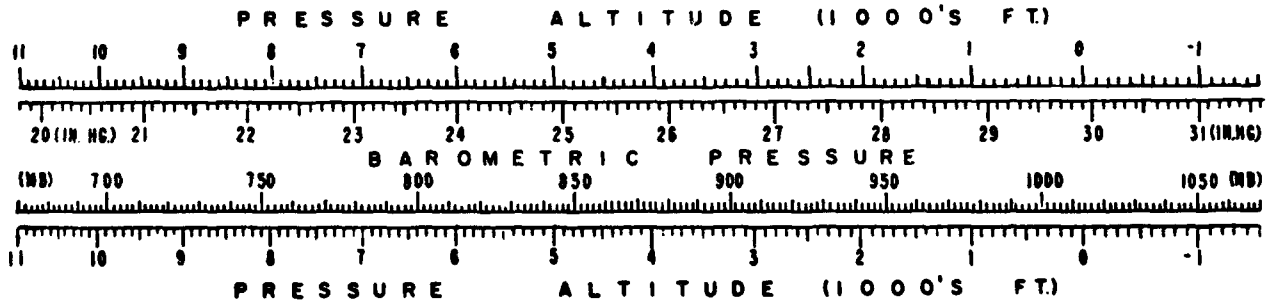
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided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

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

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

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



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

72525 (STATION) YOUNGSTOWN 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	28.743	28.766	28.718	28.731	28.703	28.745	28.766	28.815	28.809	28.802	28.782	28.758	28.761
	S D	.254	.239	.221	.222	.154	.148	.114	.110	.139	.188	.215	.237	.197
	TOTAL OBS	279	253	278	269	262	241	246	247	258	279	270	278	3160
4	MEAN	28.720	28.738	28.679	28.703	28.674	28.721	28.744	28.790	28.782	28.776	28.758	28.739	28.735
	S D	.259	.243	.231	.226	.157	.152	.118	.110	.141	.192	.210	.235	.200
	TOTAL OBS	269	245	266	264	249	232	244	245	253	270	259	271	3067
7	MEAN	28.749	28.772	28.721	28.748	28.723	28.761	28.787	28.832	28.821	28.814	28.792	28.767	28.779
	S. D.	.265	.245	.246	.232	.160	.158	.122	.111	.144	.199	.215	.238	.209
	TOTAL OBS	276	253	279	270	276	269	277	278	268	277	267	277	3267
10	MEAN	28.751	28.764	28.711	28.732	28.705	28.746	28.776	28.822	28.808	28.814	28.790	28.764	28.765
	S. D.	.264	.252	.254	.232	.159	.160	.122	.110	.142	.199	.214	.242	.206
	TOTAL OBS	273	244	278	265	267	257	273	271	262	274	267	273	3201
13	MEAN	28.737	28.763	28.716	28.736	28.714	28.753	28.783	28.827	28.814	28.804	28.781	28.748	28.765
	S. D.	.262	.255	.245	.226	.149	.156	.122	.107	.137	.196	.212	.245	.202
	TOTAL OBS	276	252	277	268	276	270	277	276	269	279	269	278	3267
16	MEAN	28.712	28.724	28.670	28.690	28.671	28.712	28.737	28.780	28.766	28.768	28.751	28.721	28.725
	S. D.	.252	.247	.232	.220	.143	.146	.118	.104	.131	.187	.204	.240	.195
	TOTAL OBS	270	250	277	266	274	268	272	273	269	274	263	278	3226
19	MEAN	28.755	28.765	28.712	28.724	28.692	28.727	28.756	28.799	28.790	28.803	28.790	28.762	28.756
	S. D.	.252	.245	.218	.212	.140	.147	.115	.104	.131	.185	.203	.239	.192
	TOTAL OBS	276	252	276	265	277	268	277	276	270	278	267	277	3263
22	MEAN	28.740	28.754	28.700	28.720	28.687	28.730	28.753	28.797	28.784	28.792	28.768	28.742	28.747
	S. D.	.250	.239	.213	.214	.142	.145	.109	.102	.132	.188	.206	.237	.193
	TOTAL OBS	275	249	272	264	287	239	262	268	262	275	264	271	3105
ALL HOURS	MEAN	28.739	28.756	28.704	28.723	28.697	28.737	28.763	28.808	28.797	28.797	28.777	28.750	28.754
	S. D.	.257	.246	.233	.224	.151	.153	.119	.109	.138	.192	.210	.239	.199
	TOTAL OBS	2196	1998	2202	2131	2138	2041	2188	2111	2096	2206	2126	2203	25556

USAFETAC FORM AM 64 0-89-5 (OL-1)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

14250 (STATION) YOUNGSTOWN 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	1017.9	1018.6	1016.1	1016.1	1014.7	1015.8	1016.3	1018.1	1018.2	1018.5	1018.3	1018.0	1017.2
	S. D.	9.249	8.814	8.115	8.035	5.377	5.306	4.142	3.846	5.017	6.746	7.663	8.596	7.148
	TOTAL OBS	279	253	279	269	263	242	246	248	258	279	270	278	3164
04	MEAN	1017.7	1018.2	1015.6	1016.0	1014.4	1015.6	1016.3	1017.9	1018.0	1018.3	1018.1	1018.0	1017.0
	S. D.	9.502	8.959	8.447	8.184	5.622	5.461	4.312	3.995	5.160	6.958	7.608	8.606	7.292
	TOTAL OBS	271	245	266	262	250	232	242	249	254	268	259	269	3067
07	MEAN	1018.2	1018.9	1016.4	1016.8	1015.4	1016.3	1017.2	1018.7	1018.8	1019.1	1018.7	1018.4	1017.7
	S. D.	9.643	9.065	8.973	8.246	5.701	5.683	4.334	4.046	5.239	7.188	7.712	8.687	7.366
	TOTAL OBS	277	253	279	270	276	269	278	278	266	277	267	277	3269
10	MEAN	1019.0	1019.3	1016.8	1017.0	1015.5	1016.5	1017.4	1019.2	1019.0	1019.7	1019.4	1019.0	1018.2
	S. D.	9.647	9.363	9.238	8.324	5.666	5.738	4.486	3.968	5.257	7.274	7.786	8.878	7.498
	TOTAL OBS	275	244	273	265	267	258	273	271	258	278	267	273	3199
13	MEAN	1017.7	1018.5	1016.1	1016.3	1015.0	1016.0	1016.9	1018.5	1018.4	1018.6	1018.3	1017.7	1017.5
	S. D.	9.473	9.406	8.783	8.085	5.372	5.506	4.380	3.805	4.985	7.084	7.577	8.881	7.282
	TOTAL OBS	277	252	278	268	278	270	277	276	269	279	269	279	3322
16	MEAN	1017.5	1017.8	1015.2	1015.5	1014.2	1015.3	1016.1	1017.6	1017.3	1018.1	1017.8	1017.5	1016.6
	S. D.	9.266	9.162	8.483	7.886	5.115	5.368	4.214	3.830	4.785	6.738	7.362	8.816	7.113
	TOTAL OBS	270	249	277	266	274	263	272	272	264	275	264	276	3222
19	MEAN	1018.4	1018.7	1016.0	1015.9	1014.4	1015.2	1016.0	1017.5	1017.7	1018.7	1018.7	1018.3	1017.1
	S. D.	9.126	9.004	7.894	7.661	5.078	5.233	4.174	3.719	4.793	6.712	7.330	8.699	7.005
	TOTAL OBS	278	252	278	267	277	268	278	276	270	278	267	277	3266
22	MEAN	1018.6	1019.0	1016.4	1016.6	1014.8	1016.0	1016.7	1018.3	1018.2	1019.0	1018.5	1018.3	1017.5
	S. D.	9.247	8.986	7.848	7.767	5.081	5.216	3.939	3.734	4.908	6.807	7.459	8.697	7.068
	TOTAL OBS	276	249	273	269	286	239	298	298	251	275	264	271	3107
ALL HOURS	MEAN	1018.1	1018.6	1016.1	1016.3	1014.8	1015.8	1016.6	1018.2	1018.2	1018.7	1018.5	1018.1	1017.4
	S. D.	9.393	9.082	8.488	8.028	5.390	5.454	4.261	3.902	5.039	6.942	7.564	8.731	7.238
	TOTAL OBS	2203	1997	2203	2131	2191	2091	2110	2115	2092	2204	2127	2200	25584

USAFETAC FORM AWS 64 0-89-5 (OL-1)

END

DATE
FILMED

9 82

DTIC