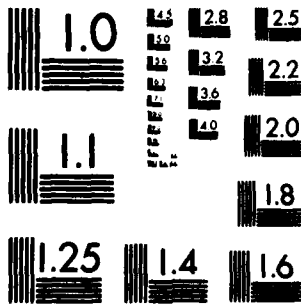




10237



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NATIONAL BUREAU OF STANDARDS 1963-A.

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REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS

OCT 01 1981

WESTOVER AFB MA WBAN #14703  
N 46 12 W 72 32 FLD ELEV 245 FT CEF WMO #74491

PARTS A-F  
POR FROM HOURLY OBS: MAR 69 - DEC 70, JAN 73 - FEB 81

POR FROM DAILY OBS: APR 41 - FEB 81

TIME CONVERSION GMT TO LST: -5

OCT 01 1981

FEDERAL BUILDING  
ASHEVILLE, N. C.

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER USAFETAC/DS-81/091	2. GOVT ACCESSION NO. ADA110237	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Westover AFB, Chicopee Falls, Mass		5. TYPE OF REPORT & PERIOD COVERED Final rept.
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A Air Force Environmental Technical Appl. Center Scott AFB IL 62225		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS USAFETAC/CBD Air Weather Service (MAC) Scott AFB IL 62225		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE 1 OCT 81
		13. NUMBER OF PAGES p. 400
		15. SECURITY CLASS. (of this report)  UNCLASSIFIED
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) *RUSSWO                      Daily temperature                      Atmospheric pressure Snowfall                      Extreme snow depth                      Extreme surface winds Climatology                      Sea-level pressure                      Psychrometric summary Surface Winds                      Extreme temperature                      Ceiling versus visibility Relative humidity                      *Climatological data                      (over)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Westover AFB, Chicopee Falls, Mass. 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 1473  
1 JAN 73

UNCLASSIFIED

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

\* Massachusetts

\*

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

UNCLASSIFIED

Westover AFB weather station began part-time operations during February 1976. Since then the station has been generally closed during the hours 2200 LST through 0600 LST depending upon Daylight Savings Time or Standard Time. Due to these inoperative hours, observation counts for these hours were decreased up to 50%. Therefore all users of this summary should be aware of the following:

a. The hour groups 00-02 LST and 03-05 LST are affected most by these part-time operations. Data is available only for the period of record March 1969 - December 1970, January 1973 - January 1976. Therefore, the statistics for these hour groups may not represent the meteorological conditions existing from February 1976 through February 1981.

b. During Standard Time, the months November through April for the hour group 21-23 LST, data is available only for 2100 and 2200 LST. Therefore the hour group will be biased towards the first two hours. For the hour group 06-08 LST, data is available only for 0700 and 0800 LST. Therefore the hour group will be biased towards the last two hours.

c. During Daylight Savings Time (May through October) for the hour group 21-23 LST, data is available only for 2100 LST and therefore the hour group will be biased towards the first hour. The sections and hour groups which should be carefully analyzed when using will be stamped at the top of the corresponding page:

"USE WITH CAUTION SEE FIRST PAGE"

# REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

## HOURLY OBSERVATIONS

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

## DAILY OBSERVATIONS

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

## DESCRIPTION OF SUMMARIES

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

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

### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

### PART C SURFACE WINDS

### PART D CEILING VERSUS VISIBILITY

SKYCOVER

### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

### PART F STATION PRESSURE

SEA LEVEL PRESSURE

## STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

## MISSING HOUR GROUPS

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

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO. ON SUMMARY 14703	STATION NAME WESTOVER AFB/CHICOPEE FALLS MASS	LATITUDE N 42 12	LONGITUDE W 072 32	FIELD ELEV (FT.) 245	CALL SIGN CEF	WMO NUMBER 74491
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### STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	Westover Field	AAF	Apr 41	May 41	N 42 12	W 072 32	247	N/A	10
2	Same	Same	Jun 41	Aug 41	Same	Same	Same	Same	24
3	AAF Weather Station	Same	Sep 41	May 53	Same	Same	Same	Same	24
4	Westover AFB	AFB	Jun 53	Apr 54	Same	W 072 33	244	252	24
5	Same	Same	Apr 54	Mar 57	Same	W 072 32	Same	262	24
6	Same	Same	Mar 57	May 58	Same	Same	245	Same	24
7	Same	Same	Apr 58	May 59	Same	Same	Same	247	24
8	Same	Same	Apr 59	Apr 60	Same	Same	255	Same	24
9	Same	Same	Apr 60	Jun 61	Same	Same	245	Same	24
10	Same	Same	Jun 61	Apr 69	Same	Same	Same	255	24
11	Same	Same	May 69	Jan 76	Same	Same	Same	Same	24
12	Same	Same	Feb 76	Jun 81	Same	Same	Same	245	16

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Apr 41	Located in SW half of bldg T-92	Anemoneter	N/A	36 ft	
2	Oct 41	Located Room # 109 midway of base hangar on South side	Same	Same	56 ft	
3	Jun 53	Located on top of base hangar	Selsyn	ML144A	90 ft	
4	Apr 54	Same	Same	ML144	115 ft	
5	Apr 55	Same	Same	Same	105 ft	
6	Mar 57	Located at intersection of rnwy 23-05 and 15-33	AN/GMQ-11	RO-2	13 ft	
7	Apr 60	Located 500 ft W of taxistrip	Same	Same	11 ft	

NUMBER OF ACTION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION			REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE	
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER		HT ABOVE GROUND
	Jun 61	Located at intersection of rnwy 23-05, 1100 ft NW of centerline and 400 ft N of rnwy 15	Same	Same	15 ft	
	Apr 65	1. Located at intersection of rnwy 23, 1100 ft NW of centerline and 400 ft N of rnwy 15 2. 1100 ft from rnwy 05 end 500 ft from centerline	1&2 Same	1&2 Same	1&2 Same	
	Apr 69	1. Same 2. Same	1&2 Same	1&2 Same	13 ft Same	
	Dec 78	1. Same 2. Same	Same Same	Same Same	Same Same	
	Nov 79	1. Located 500 ft from center line, 1000 ft from threshold of runway 23 2. Located 500 ft from center line, 1000 ft from threshold of runway 05 (BOTH SENSORS LOCATED ON EASTERN SIDE OF RUNWAY)	AN/GMO-11	RO-362	18 ft	

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.



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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

## WEATHER CONDITIONS

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81

YEARS

JAN  
MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		7.3	2.4	7.3		16.1	12.4	2.8			15.0	466
	03-05		6.0	2.6	7.5		14.8	12.3	2.4	.2		14.2	465
	06-08		4.7	2.1	6.9		13.5	12.6	3.3	.5		15.1	763
	09-11		5.8	1.5	8.9		15.0	10.1	5.3	.2		14.6	912
	12-14		5.2	.7	9.8		14.5	7.3	5.4	.1		12.2	912
	15-17		5.6	1.8	8.8		14.8	7.6	4.6	.1		12.0	911
	18-20		5.7	1.3	8.2	.1	14.9	8.7	3.7	.1		12.1	911
	21-23	.1	6.3	1.6	9.0		15.9	10.2	3.1	.1		12.4	766
TOTALS		.0	5.8	1.8	8.3	.0	14.9	10.2	3.8	.2		13.5	6106

2

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USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

## WEATHER CONDITIONS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81

YEARS

FEB  
MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	00-02		6.4	2.2	9.8		17.1	11.5	2.2	.3		12.3	357
	03-05		5.0	2.2	10.1		16.5	12.0	2.2			12.6	357
	06-08		5.9	1.8	9.4		15.9	13.8	4.7	.3		16.3	681
	09-11		7.0	.9	6.9		14.4	9.4	5.9	.2		14.2	843
	12-14		6.2	.2	7.2		13.4	6.3	3.1	.2		9.1	843
	15-17		6.3	.8	6.2		12.9	6.9	2.5	.6		9.5	643
	18-20		6.7	.7	4.8		11.5	8.1	1.8	.7		10.1	841
	21-23		7.4	1.0	4.9		12.9	7.5	1.9	.4		8.7	676
TOTALS			6.4	1.2	7.4		14.3	9.4	3.0	.3		11.6	5441

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

**WEATHER CONDITIONS**

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70, 73-80  
 YEARS

MAR  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	00-02		12.7	.2	5.4		17.6	14.2	3.9			17.4	465
	03-05		10.1	.9	4.3		15.1	14.4	3.7			15.9	465
	06-08		8.6	.6	5.5		13.9	15.6	2.8	.5		17.5	777
	09-11	.1	10.3	.2	4.5	.1	14.6	13.1	2.4	.3		14.9	930
	12-14		9.4	.1	5.2	.1	14.4	9.7	2.8	.3		12.4	930
	15-17		10.3	.5	3.9		14.2	9.5	3.4	.4		11.9	930
	18-20		10.4	.6	4.7		15.4	11.0	3.7	.6		13.7	930
	21-23	.3	11.2	.9	5.4		16.4	12.3	3.6	.4		14.5	775
TOTALS		.1	10.4	.5	4.9	.0	15.2	12.5	3.3	.3		14.8	6202

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

WEATHER CONDITIONS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	00-02	1.1	9.8		3.1		12.4	11.6	2.7			12.0	450
	03-05	.4	7.3		2.0		9.1	14.4	2.4			15.1	450
	06-08		11.8		1.8		13.5	14.7	3.9			16.4	768
	09-11		12.2	.1	1.2		13.2	8.4	3.0			10.8	900
	12-14	.1	14.7	.2	.3		14.9	7.4	1.7			8.4	900
	15-17	.3	12.9	.3	.1		13.2	6.3	1.2			7.0	900
	18-20	.2	12.3	.1	1.1		13.3	7.7	1.4			8.6	900
	21-23	.3	12.2		.8		12.9	10.1	1.5			11.2	731
TOTALS		.3	11.7	.1	1.3		12.8	10.1	2.2			11.2	5999

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

**WEATHER CONDITIONS**

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

MAY  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02		12.0				12.0	14.6	3.2			16.3	467
	03-05	.2	13.3				13.3	23.6	4.7			25.8	466
	06-08	.3	11.8		.1		11.8	21.6	6.7			24.6	926
	09-11		9.8		.2		9.8	10.6	6.5			16.0	930
	12-14	1.1	10.6		.2		10.6	6.8	4.9			10.8	930
	15-17	.8	9.4		.3		9.4	6.3	4.0			10.0	930
	18-20	1.2	10.5		.3		10.6	8.1	5.2			12.5	930
	21-23	1.1	11.2				11.2	10.0	5.1			13.6	623
TOTALS		.6	11.1		.1		11.1	12.7	5.0			16.2	6202

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GLOBAL CLIMATOLOGY BRANCH  
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**WEATHER CONDITIONS**

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA 69-70,73-80 JUN  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	00-02	.4	8.6				8.6	25.1	10.9			29.3	451
	03-05		12.7				12.7	39.3	13.8			42.2	450
	06-08	.9	9.5				9.5	27.1	17.1			35.9	899
	09-11	.1	6.6				6.8	10.3	14.8			22.0	900
	12-14	.8	7.3				7.3	4.9	10.6			13.9	900
	15-17	2.2	8.0				8.0	4.4	8.4			11.2	900
	18-20	2.7	9.3				9.3	7.3	10.2			16.2	900
	21-23	1.0	6.6				6.6	12.9	10.3			19.9	603
TOTALS		1.0	8.6				8.6	16.4	12.0			23.8	6003

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
 SEE FIRST PAGE

**WEATHER CONDITIONS**

1473  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

JUL  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	3.0	6.7				6.7	25.5	13.3			29.8	466
	03-05	1.5	11.6				11.6	38.1	13.1			39.8	465
	06-08	.6	7.2				7.2	26.6	24.2			39.6	930
	09-11	.4	6.5				6.5	6.2	19.9			24.5	930
	12-14	.9	7.0				7.0	4.9	14.0			16.3	930
	15-17	3.4	5.9				5.9	4.0	12.8			14.5	930
	18-20	3.3	6.8				6.8	6.0	14.8			17.3	930
	21-23	2.1	4.5				4.5	10.9	17.7			22.5	622
TOTALS		1.9	7.0				7.0	15.3	16.2			25.5	6203

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AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# WEATHER CONDITIONS

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

AUG  
MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	1.5	7.7				7.7	26.3	16.9			31.8	468
	03-05	1.1	7.5				7.5	42.8	17.8			45.6	467
	06-08	.2	9.4				9.4	40.0	22.8			49.1	928
	09-11	.3	7.7				7.7	12.6	22.3			31.2	930
	12-14	1.4	7.0				7.0	6.0	13.4			17.7	930
	15-17	2.0	7.0				7.0	4.6	13.3			16.7	930
	18-20	2.6	6.7				6.7	7.8	16.0			21.4	930
	21-23	2.2	7.6				7.6	13.2	15.4			24.0	628
TOTALS		1.4	7.6				7.6	19.2	17.2			29.7	621

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



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**WEATHER CONDITIONS**

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70, 73-80  
 YEARS

SEP  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	1.2	12.4				12.4	27.4	13.0			30.4	507
	03-05	.6	11.8				11.8	35.0	11.4			36.0	508
	06-08		10.0				10.0	38.0	12.3			41.3	900
	09-11		9.8				9.8	15.9	13.9			26.0	900
	12-14	.1	9.9				9.9	7.2	8.2			14.8	900
	15-17	1.1	10.0				10.0	7.3	7.7			14.2	900
	18-20	2.3	11.4				11.4	10.2	8.6			16.2	900
	21-23	1.9	13.7				13.7	16.2	10.7			21.7	636
TOTALS		.9	11.1				11.1	19.7	10.7			25.1	6151

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AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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# WEATHER CONDITIONS

14703 WESTOVER AFB MA 69-70,73-80 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.
OCT	00-02	.4	8.4				8.4	15.5	7.5			16.1	465
	03-05		6.2				6.2	22.4	8.4			23.9	465
	06-08	.1	8.3		.1		8.4	28.3	6.9			30.5	915
	09-11		9.2		.4		9.7	14.6	9.7			21.2	930
	12-14	.1	9.2		.3		9.6	7.6	6.6			13.2	930
	15-17	.2	8.6		.3		8.9	6.2	3.7			9.5	930
	18-20	.1	8.2		.2		8.4	9.0	4.8			12.8	930
	21-23	.5	7.2				7.2	11.9	6.6			14.8	636
TOTALS		.2	8.2		.2		8.4	14.4	6.8			17.8	6201

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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### WEATHER CONDITIONS

14703 STATION WESTOVER AFB MA STATION NAME 69-70,73-80 YEARS NOV MONTH

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

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		11.8		2.2		13.8	14.2	.9			14.4	450
	03-05		13.8		1.1		14.4	16.2	.9			16.4	450
	06-08		11.6	.4	.4	.1	12.4	21.3	4.0			22.1	751
	09-11		9.2	.2	1.9		11.0	15.7	6.1			18.6	900
	12-14		9.6		1.6		11.0	7.6	4.3			11.1	900
	15-17	.1	11.9		1.3		13.2	8.1	1.9			9.4	900
	18-20	.2	10.4	.3	1.9		12.3	9.1	2.0			11.0	900
	21-23		12.3	.3	1.9		14.1	13.1	1.6			13.6	750
TOTALS		.0	11.3	.2	1.5	.0	12.8	13.2	2.7			14.6	6001

GLOBAL CLIMATOLOGY BRANCH  
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USE WITH CAUTION  
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**WEATHER CONDITIONS**

14703 STATION WESTOVER AFB MA STATION NAME 69-70,73-80 YEARS DEC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02		9.1	2.9	12.2		22.9	15.2	.7	.9		16.8	441
	03-05	.2	7.5	3.2	11.8		20.2	15.4	.9	.7		17.0	441
	06-08		6.2	3.3	8.4		16.3	13.5	1.2	.5		14.7	747
	09-11		6.0	2.7	7.8		15.3	12.2	2.6	.6		13.8	900
	12-14		6.9	1.9	9.4		17.2	9.8	2.6	.3		12.0	900
	15-17		6.0	2.0	9.0		16.4	10.0	1.6	.3		11.7	896
	18-20		5.8	1.2	9.7		16.3	10.2	.7	.3		10.8	886
	21-23		7.7	1.5	9.0		17.1	11.6	.7	.4		12.5	744
TOTALS		.0	6.9	2.3	9.7		17.7	12.2	1.4	.5		13.7	5955

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
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**WEATHER CONDITIONS**

14703 WESTOVER AFB MA 69-70,73-81 ALL  
 STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	5.8	1.8	8.3	.0	14.9	10.2	3.8	.2		13.5	6106
FEB			6.4	1.2	7.4		14.3	9.4	3.0	.3		11.6	5441
MAR		.1	10.4	.5	4.9	.0	15.2	12.5	3.3	.3		14.8	6202
APR		.3	11.7	.1	1.3		12.8	10.1	2.2			11.2	5999
MAY		.6	11.1		.1		11.1	12.7	5.0			16.2	6202
JUN		1.0	8.6				8.6	16.4	12.0			23.8	6003
JUL		1.9	7.0				7.0	15.3	16.2			25.5	6203
AUG		1.4	7.6				7.6	19.2	17.2			29.7	6211
SEP		.9	11.1				11.1	19.7	10.7			25.1	6151
OCT		.2	8.2		.2		8.4	14.4	6.8			17.8	6201
NOV		.0	11.3	.2	1.5	.0	12.8	13.2	2.7			14.6	6001
DEC		.0	6.9	2.3	9.7		17.7	12.2	1.4	.5		13.7	5955
TOTALS		.5	8.8	.5	2.8	.0	11.8	13.8	7.0	.1		18.1	72675

## PART A

## ATMOSPHERIC PHENOMENA

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

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

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

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

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

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFSS WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
**WEATHER CONDITIONS**  
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
 ATMOSPHERIC PHENOMENA

1963 WESTOVER AFB MA 46-81 ALL  
 STATION STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	.2	26.6	9.5	39.6		51.8	39.9	30.7	4.2		52.7	1111
FEB		.5	26.0	5.8	39.0		50.7	34.4	30.5	3.7		48.7	1016
MAR		2.1	34.7	4.7	31.6	.3	49.8	38.1	27.6	2.7		48.7	1085
APR		4.1	48.5	.2	9.7	.6	47.8	39.0	26.1	.3		46.8	1050
MAY		9.4	51.8		.6	.8	47.4	45.8	32.8			53.0	1085
JUN		16.4	47.7			.3	43.6	55.6	50.6			65.3	1050
JUL		19.0	42.8			.4	39.2	56.9	55.3			66.6	1085
AUG		15.9	43.1			.1	39.4	64.9	56.7			71.1	1085
SEP		8.0	40.3			.2	36.9	60.3	46.5			64.7	1050
OCT		2.8	34.8		1.7		32.5	51.5	39.8			56.4	1084
NOV		1.1	44.2	.9	14.5	.3	46.8	45.9	32.2	.1		54.1	1049
DEC		.3	32.9	10.3	35.2		51.1	42.1	29.0	2.9		54.1	1075
TOTALS		6.6	39.4	2.6	14.3	.2	44.7	47.9	38.1	1.2		56.8	12825

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## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

EXTREME DAILY PRECIPITATION	"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:

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

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

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

GLOBAL CLIMATOLOGY BRANCH  
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# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

3 WESTOVER AFB MA 41-81  
 STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	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	45.4	19.0	2.8	6.9	4.7	9.2	6.4	4.5	1.6	.1				35.5	1235	3.06	8.92	.42	
FEB	47.0	19.9	2.2	6.7	4.4	6.3	6.3	5.3	1.9	.1				33.0	1129	3.04	7.67	.70	
MAR	46.7	16.4	3.1	5.4	5.0	7.2	6.8	5.5	2.4	.1				35.4	1209	3.53	7.74	1.29	
APR	45.6	17.9	3.2	4.6	4.9	5.4	6.9	4.9	2.5	.1				35.5	1210	3.68	6.25	.62	
MAY	45.6	16.9	3.1	7.1	4.1	9.0	6.9	5.4	2.3					37.5	1240	3.59	7.57	1.00	
JUN	49.7	15.6	2.8	6.7	3.2	7.6	6.7	5.1	2.4					34.7	1200	3.52	8.35	.33	
JUL	2.6	14.3	2.3	6.4	3.8	6.8	6.0	4.8	2.8	.2				33.1	1240	3.71	9.73	.36	
AUG	55.7	13.3	3.1	5.6	3.5	6.5	4.8	4.0	3.1		.2			31.0	1240	3.66	18.68	.88	
SEP	59.4	11.0	3.8	4.6	3.8	6.3	4.3	4.6	2.5	.6				30.6	1200	3.53	8.65	.82	
OCT	2.3	12.7	1.5	4.1	2.8	5.3	4.4	4.4	2.3	.2				25.0	1239	3.07	9.05	.24	
NOV	43.7	16.4	2.4	7.3	3.7	7.4	6.3	5.2	3.2					35.5	1198	3.80	7.33	.62	
DEC	45.3	18.6	1.4	7.5	3.9	8.0	6.0	5.8	2.5	.1				35.1	1230	3.72	7.25	.67	
ANNUAL	50.3	16.2	2.6	6.1	3.9	7.3	6.0	5.0	2.5	.1	.0			33.5	14560	1.91			

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 WASHINGTON FIELD OFFICE

# EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

STATION STOVE, AFB, MA STATION NAME 41-1 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41				.34	.70	1.04	1.36	1.62	.51	.51	1.62	.62	
42	1.44	.81	1.15	.28	1.59	1.59	1.46	.67	1.70	1.13	1.85	2.09	2.19
43	.88	.59	.92	.89	.95	1.1	1.26	.39	.53	1.06	2.17	.33	2.17
44	.75	.64	.76	1.55	.38	2.09	1.15	2.11	3.22	1.09	2.33	.49	2.22
45	1.74	1.57	.75	3.56	1.25	1.55	2.41	1.57	.72	.65	1.23	.9	3.56
46	.7	.56	.56	1.47	1.68	1.21	1.84	.61	1.36	.54	.34	.27	1.84
47	.74	2.10	1.53	1.74	1.23	.87	.85	.98	.94	.92	2.43	.79	2.43
48	.4	.52	.61	.83	1.73	1.26	1.42	1.59	.84	.40	2.74	.85	2.74
49	1.41	.98	.96	.79	2.09	.22	1.42	1.77	.91	1.12*	.77	.76	2.09
50	1.82	.61	.53	1.32	1.19	1.64	.64	2.02	.45	.85	2.19	1.71	1.19
51	.73	3.25	1.34	1.93	1.47	1.44	1.16	.75	1.66	3.38	1.98	.99	3.25
52	.7	.76	1.76	1.63	.89	1.94	2.75	1.88	2.54	.29	.70	1.57	2.54
53	1.71	1.06	1.63	1.53	1.44	.76	.76	1.13	.66	1.33	1.75	1.24	1.53
54	.7	.62	1.29	2.10	1.22	.81	.78	2.05	2.52	.75	1.63	1.5	1.51
55	.73	.91	1.4	.91	.53	.91	.65	7.65	1.65	1.47	7.30	.44	7.65
56	.71	.85	1.1	.56	.39	.81	1.19	.27	2.93	.65	.54	.91	1.37
57	.71	.49	.30	.89	.94	.9	1.66	.99	1.36	.65	.89	2.15	2.15
58	1.14	1.73	1.22	1.47	1.06	.46	1.53	.77	1.64	2.7	1.24	.6	2.7
59	.79	.56	1.78	1.64	.40	1.37	1.93	7.47	1.35	3.37	.91	1.31	3.37
60	1.6	1.78	1.20	1.16	.71	2.30	1.86	1.90	3.86	.97	1.55	1.22	1.90
61	.71	1.51	.24	1.31	.95	.94	1.24	.95	1.91	1.11	1.00	.63	1.91
62	1.90	1.12	1.64	1.33	.63	.77	.59	1.06	1.13	1.55	.86	.91	1.90
63	1.11	1.77	1.29	1.60	.82	.93	1.34	.98	2.37	.18	1.26	1.16	2.37
64	1.35	.78	1.22	.91	.36	.23	.92	1.01	.53	.82	.60	.95	1.35
65	.81	1.11	.35	.91	.51	.96	1.17	.89	.74	.66	.87	.59	1.17
66	.71	1.34	.38	.44	.71	1.49	.92	.26	1.51	1.11	1.53	1.31	1.53
67	.76	.64	1.33	.60	2.02	.81	1.03	.52	1.05	.86	.53	1.30	2.02
68	.45	.74	.92	.76	.90	1.24	.22	.50	.57	.9	1.04	1.34	1.34
69	.41	1.75	1.09	1.14	.98	1.57	1.73	2.44	.93	.46	1.93	1.34	2.44
70	.81	1.72	1.34	2.19	1.64	1.11	.81	1.81	.91	.74	.64	.73	2.19
MEAN													
S. D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTH)

USAF ETAC FORM 0-88-5 (OLA)  
 JUL 64

FEDERAL CLIMATOLOGY BRANCH  
AFSLTAC  
WEATHER SERVICE/MAC

**EXTREME VALUES**  
PRECIPITATION

(FROM DAILY OBSERVATIONS)

STATION ST. VL. AFB TX STATION NAME 41-11 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
71	.54	.78	.52	.47	1.03	.90	1.46	1.64	2.16	1.93	1.24	1.8	2.16
72	.4	1.30*	1.82	1.12	2.25	2.45	1.45	1.04	.54	1.55*	1.40	1.30	2.48
73	1.97	1.38	.81	1.62	1.27	1.24	.71	.97	1.54	1.25	.63	1.15	3.00
74	1.74	.63	1.53	.76	1.14	.92	2.32	1.67	1.76	1.41	.51	1.19	2.32
75	.9	1.58	1.42	2.05	.73	1.60	4.11	1.64	2.79	1.74	1.47	1.75	4.11
76	1.72	.69	.34	1.66	1.12	.58	.72	1.24	.41	1.17	.24	1.73	1.92
77	.94	.52	2.35	1.17	1.83	.84	1.24	1.21	1.65	2.02	1.24*	1.12	2.35
78	1.97*	1.50	1.75	.35	.51	1.78	1.09	2.32	.63	1.27	.52*	1.12	2.32
79	2.31	1.16	2.71	2.40	1.17	.22	4.35	1.31	1.39	2.68	1.55*	1.20	4.35
80	.55	.83	1.55	2.12	.68	1.25	.94	1.39	1.65*	.62	1.22*	.29	2.12
81	.24	1.60											
MEAN	.921	1.123	1.12	1.220	1.059	1.158	1.368	1.428	1.439	1.173	1.252	1.137	1.133
S. D.	.424	.585	.485	.668	.484	.521	.825	1.157	.842	.679	.625	.556	1.133
TOTAL OBS.	1237	1129	1209	1200	1243	1227	1245	1240	1270	1233	1196	1230	14560

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
JUL 64

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 U.S. WEATHER SERVICE WMO

**EXTREME VALUES**  
 MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

STOVER AFB, TX STATION NAME YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41				.75	1.63	3.77	4.23	2.47	1.05	1.82	3.01	2.51	
42	3.66	2.41	3.69	.62	4.71	3.94	4.74	1.22	4.09	3.40	7.33	5.92	45.73
43	2.51	1.38	3.52	4.90	6.05	3.25	5.75	1.09	1.13	3.81	5.35	.67	39.51
44	1.25	2.52	3.61	4.57	1.21	4.81	2.32	2.24	6.62	2.09	4.93	2.40	39.15
45	3.27	3.73	2.25	6.21	7.57	6.01	6.88	1.63	2.11	2.40	4.21	3.44	53.70
46	2.72	1.88	1.29	2.88	5.02	3.69	4.34	1.62	2.94	1.46	.79	1.62	32.51
47	2.7	3.47	2.55	5.45	4.11	2.36	3.31	7.05	2.54	1.83	5.39	2.98	35.81
48	4.36	1.40	2.45	2.62	5.51	6.55	4.31	3.23	1.18	1.04	5.43	2.75	41.25
49	6.3	3.15	2.77	2.54	4.88	.33	3.16	1.98	3.26	2.58	2.58	3.95	39.11
50	6.08	4.26	2.34	3.57	4.04	4.73	2.22	3.96	1.96	1.73	5.67	5.37	45.73
51	3.71	7.67	5.20	3.23	3.76	5.63	3.61	7.52	2.61	5.29	7.10	4.71	56.67
52	3.27	2.69	2.58	6.17	3.71	4.02	2.88	1.84	4.83	.52	1.14	3.26	41.45
53	5.22	3.18	7.74	6.17	6.43	2.26	2.56	2.34	.92	1.23	2.47	4.02	46.16
54	2.37	1.24	4.29	4.66	4.96	2.22	2.36	5.73	3.45	1.66	4.61	3.31	43.14
55	.63	3.58	3.65	3.96	1.24	3.27	1.60	1.66	3.71	7.36	4.81	.96	33.31
56	2.53	3.76	5.25	3.37	1.28	2.92	3.36	1.76	5.59	1.60	2.75	5.32	38.91
57	2.32	1.61	2.71	3.64	2.60	2.74	2.11	1.99	1.88	1.50	4.77	7.24	35.01
58	4.53	3.49	3.46	5.28	3.73	2.27	6.17	3.56	6.47	4.16	2.27	1.94	47.95
59	3.03	2.35	4.73	4.54	1.02	4.02	3.72	4.83	1.99	9.11	4.42	4.23	47.95
60	2.28	4.42	3.61	4.35	2.91	6.60	5.04	7.21	6.92	2.74	3.17	2.75	49.10
61	2.11	2.74	3.68	5.13	4.75	3.11	4.09	2.58	3.64	2.00	3.51	2.72	40.35
62	3.62	3.78	1.93	3.55	1.77	2.21	1.37	2.52	3.47	5.30	2.56	1.22	35.35
63	2.96	3.84	3.93	2.63	3.14	4.17	2.31	3.08	4.88	.24	5.60	2.61	39.29
64	4.24	2.37	3.33	3.23	1.00	1.39	3.91	1.59	1.48	1.51	1.94	4.33	31.11
65	1.96	2.42	1.49	2.12	1.79	2.21	2.40	2.49	3.18	2.09	1.92	1.37	14.64
66	2.44	2.84	2.74	.77	3.49	2.39	2.59	.83	4.66	3.55	3.66	2.87	32.88
67	1.42	2.53	4.18	3.16	4.93	2.86	3.46	2.36	2.51	2.04	2.46	5.11	37.32
68	2.14	1.24	3.39	1.81	3.01	5.72	.39	1.81	1.33	2.52	5.01	4.47	32.32
69	1.19	3.72	2.39	4.56	2.36	2.58	5.13	4.34	2.94	1.67	5.43	6.94	43.05
70	.77	3.63	3.79	3.24	4.16	3.07	2.43	5.22	2.85	1.83	3.25	3.34	37.61
MEAN													
S. D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
 JUL 61



2 GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOWFALL  
 (FROM DAILY OBSERVATIONS)

14703 WESTOVER AFB MA 46-81  
 STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	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	59.1	19.2	6.7	5.4	3.9	1.4	1.5	1.6	1.0	.1				21.7	1108	13.4	37.1	.4
FEB	59.4	19.9	6.5	6.6	2.6	1.4	.7	1.0	1.2	.7	.1			20.7	1016	12.1	31.7	.8
MAR	67.5	18.0	3.4	4.5	2.1	1.4	.5	1.7	.7	.3				14.6	1085	10.0	36.0	.0
APR	89.9	6.3	1.2	1.3	.7	.3	.2	.1						3.8	1050	1.5	7.1	.0
MAY	99.7	.6		.1				.1						.2	1085	.2	5.4	.0
JUN	100.0														1050	.0	.0	.0
JUL	100.0														1085	.0	.0	.0
AUG	100.0														1085	.0	.0	.0
SEP	100.0														1050	.0	.0	.0
OCT	98.1	1.7	.1	.1	.1									.3	1084	.1	2.0	.0
NOV	85.1	10.6	1.0	1.7	.6	.2	.5	.2	.1	.1				4.3	1048	2.3	15.2	.0
DEC	63.0	18.6	3.6	6.3	3.5	2.0	1.1	.7	.7	.3				18.3	1074	11.3	35.8	TRACE
ANNUAL	85.1	7.9	1.9	2.2	1.1	.6	.4	.4	.3	.1	.0			7.0	12820	50.9		

U.S. AIR FORCE  
 METEOROLOGICAL SERVICE/14C

# EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

STATION STANLEY AFB TX STATION NAME 46-31 YEARS

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
40	5.2	2.9	.7	.3	.0	.0	.0	.0	.0	.0	TRACE	3.0	5.1
41	2.8	7.5	6.7	1.0	.0	.0	.0	.0	.0	.0	TRACE	7.6	7.6
42	2.7	5.2	6.1	TRACE	.7	.0	.0	.0	.0	.0	1.4	3.6	6.7
43	9.1	10.8	9.2	.0	.0	.0	.0	.0	.0	.0	5.4	4.5	10.9
44	3.7	9.6	2.0	2.0	.0	.0	.0	.0	.0	.0	TRACE	3.7	6.6
45	7.7	2.5	5.3	.0	.0	.0	.0	.0	.0	.0	3.5	4.5	7.7
46	5.1	7.4	6.7	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	7.4
47	5.7	4.7	TRACE	4.0	.0	.0	.0	.0	.0	.0	1.4	TRACE	5.7
48	3.9	.5	1.9	1.4	.0	.0	.0	.0	.0	.0	TRACE	.4	3.9
49	.0	3.1	7.8	2.0	.0	.0	.0	.0	.0	TRACE	2.6	1.1	7.8
50	2.2	5.9	10.2	4.6	TRACE	.0	.0	.0	.0	.0	3.7	6.3	10.2
51	4.3	2.3	5.6	2.5	.0	.0	.0	.0	.0	TRACE	TRACE	7.0	5.6
52	6.3	17.0	4.5	TRACE	.0	.0	.0	.0	.0	TRACE	1.8	6.0	17.0
53	3.7	3.5	10.8	TRACE	.0	.0	.0	.0	.0	.0	.7	2.9	10.8
54	3.1	3.0	7.2	.6	.0	.0	.0	.0	.0	TRACE	TRACE	13.0	17.1
55	6.4	12.3	8.3	1.3	.0	.0	.0	.0	.0	.0	5.7	6.4	12.3
56	2.3	5.8	2.3	.5	.0	.0	.0	.0	.0	.0	1.7	7.1	7.1
57	7.4	8.3	4.8	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	4.1	8.3
58	9.1	9.3	2.8	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	7.1	9.3
59	2.3	1.2	3.3	1.0	.0	.0	.0	.0	.0	.0	TRACE	1.0	3.3
60	7.9	12.2	3.9	.3	TRACE	.0	.0	.0	.0	TRACE	TRACE	3.7	12.2
61	1.7	3.0	12.2	2.2	TRACE	.0	.0	.0	.0	.0	4.2	13.6	13.6
62	2.5	1.3	2.9	.0	.0	.0	.0	.0	.0	.0	4.3	3.7	4.3
63	.2	12.7	5.5	.0	.0	.0	.0	.0	.0	.0	TRACE	12.7	12.7
64	2.1	3.9	4.5	2.1	TRACE	.0	.0	.0	.0	TRACE	TRACE	7.2	7.2
65	7.1	5.9	3.0	3.7	.0	.0	.0	.0	.0	.0	12.2	3.0	12.2
66	2.4	13.0	6.9	3.0	.0	.0	.0	.0	.0	.0	4.1	4.9	13.0
67	10.4	1.5	TRACE	.2	.0	.0	.0	.0	.0	.0	TRACE	2.2	10.4
68	8.2	9.1	1.4	2.0	.0	.0	.0	.0	.0	TRACE	.3	3.7	9.1
69	8.8	8.6	.8	.3	.0	.0	.0	.0	.0	.0	1.7	7.6	8.8
MEAN													
S. D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
 JUL 64



AERIAL CLIMATOLOGY BRANCH  
 AFSC/TAC  
 AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

STATION  
STATION

STOVER AFB MA  
STATION NAME

46-81

YEARS

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
76	4.1	2.1	2.8	TRACE	.0	.0	.0	.0	.0	.0	2.7	3.1	4.1
77	7.4	4.8	4.3	.9	4.5	.0	.0	.0	.0	.0	1.4*	2.3	7.4
78	12.1*	15.0	3.1	TRACE	.0	.0	.0	.0	.0	.0	1.1*	7.3	* 15.0
79	3.3	3.2	TRACE	2.5	.0	.0	.0	.0	.0	2.0	.0*	1.6	* 3.3
80	.4	5.6	4.6	.0	.0	.0	.0	.0	.0*	.0	4.9*	3.4	9.9
81	3.0	.7											
MEAN	5.11	6.12	4.56	1.10	.13	.00	.00	.00	.00	.09	1.83	4.52	3.87
S.D.	2.531	4.155	3.15	1.316	.761	.000	.000	.000	.000	.372	2.961	3.191	3.124
TOTAL OBS.	1108	1016	1085	1050	1085	1050	1085	1085	1085	1084	1048	1074	1080

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
 JUL 64

FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 WEATHER SERVICE/MAC

**EXTREME VALUES**  
 MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

STATION

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
45	20.0	3.5	.0	.6	.0	.0	.0	.0	.0	.0	TRACE	6.8	30.9
47	5.6	16.5	6.0	1.0	.0	.0	.0	.0	.0	.0	TRACE	25.9	55.0
48	37.1	13.6	13.8	TRACE	.0	.0	.0	.0	.0	.0	1.4	6.7	72.6
49	24.2	16.3	14.3	.0	.0	.0	.0	.0	.0	.0	* 5.7	11.7	* 72.2
50	9.3	29.0	4.3	3.0	.0	.0	.0	.0	.0	.0	TRACE	7.4	53.0
51	15.5	6.6	8.7	.0	.0	.0	.0	.0	.0	.0	4.5	12.7	49.0
52	15.1	8.9	8.8	.0	.0	.0	.0	.0	.0	TRACE	TRACE	TRACE	52.6
53	12.5	9.8	TRACE	4.2	.0	.0	.0	.0	.0	.0	1.5	TRACE	26.7
54	18.6	.8	1.9	1.7	.0	.0	.0	.0	.0	.0	TRACE	.4	23.4
55	1.2	7.8	12.1	2.0	.0	.0	.0	.0	.0	TRACE	2.6	3.1	25.5
56	5.2	12.9	30.0	4.6	TRACE	.0	.0	.0	.0	.0	4.7	19.2	60.6
57	14.4	3.7	10.8	6.2	.0	.0	.0	.0	.0	TRACE	TRACE	4.4	39.2
58	11.8	26.2	11.6	TRACE	.0	.0	.0	.0	.0	TRACE	1.8	11.5	67.5
59	7.7	6.0	28.3	TRACE	.0	.0	.0	.0	.0	.0	.7	6.2	43.9
60	4.5	7.2	18.8	.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.5	56.9
61	22.0	12.9	17.9	2.5	.0	.0	.0	.0	.0	.0	2.7	11.2	72.0
62	2.3	22.7	2.3	.5	.0	.0	.0	.0	.0	.0	1.7	17.1	47.5
63	11.3	15.1	11.6	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	10.7	53.6
64	16.4	20.3	4.3	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	1.1	53.1
65	* 7.3	4.3	7.5	1.0	.0	.0	.0	.0	.0	.0	TRACE	1.7	* 21.2
66	20.1	15.7	6.3	.3	TRACE	.0	.0	.0	.0	TRACE	TRACE	12.2	61.0
67	2.2	23.0	35.6	2.2	TRACE	.0	.0	.0	.0	.0	8.6*	20.2	* 92.5
68	3.8	1.2	6.7	.0	.0	.0	.0	.0	.0	.0	7.8	11.5	35.7
69	.4	28.5	6.1	.0	.0	.0	.0	.0	.0	.0	TRACE	35.8	70.8
70	4.5	6.3	16.5	2.1	TRACE	.0	.0	.0	.0	TRACE	TRACE	26.8	56.3
71	16.5	12.3	11.0	4.8	.0	.0	.0	.0	.0	.0	15.2	10.9	72.7
72	5.6	31.7	13.7	7.1	.0	.0	.0	.0	.0	.0	* 3.0	12.9	* 79.2
73	14.2	4.0	TRACE	.2	.0	.0	.0	.0	.0	.0	TRACE	2.6	22.0
74	16.0	13.3	1.7	2.5	.0	.0	.0	.0	.0	TRACE	.5	4.3	39.0
75	2.2	17.6	2.1	.3	.0	.0	.0	.0	.0	.0	2.7	16.4	59.0
MEAN													
S. D.													
TOTAL OBS.													

NOTE: \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-B (OLA)  
 JUL 64

FEDERAL CLIMATOLOGY BRANCH  
 WAF TAC  
 AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXX  
**EXTREME VALUES**  
 XXXXXXXXXXXXXXXXXXXXXXXXX  
 MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

STATION WASTOVER AFB MA STATION NAME 46-11 YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
75	19.9	3.3	9.2	TRACE	.1	.1	.0	.1	.	.	2.7	5.2	43.3
77	* 27.9*	11.2	8.4	.9	5.4	.0	.0	.0	.	.	1.4*	5.2	* 56.0
78	1.1	4.5	TRACE	2.7	.3	.0	.0	.0	.	2.7	.0*	1.3	* 21.1
81	* 5.9	.8									9.9*	5.0	* 25.1
MEAN	13.41	12.12	13.74	1.47	.15	.00	.00	.00	.00	.00	7.38	11.29	50.00
S.D.	6.291	8.574	6.939	1.939	.913	.000	.000	.000	.000	.372	3.472	8.474	18.939
TOTAL OBS.	1102	1116	1185	1050	1085	1057	1095	1035	1053	1084	1047	1074	12827

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
 JUL 84



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
 SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

1973 WESTOVER AFB MA

41-61

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	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	23.0	12.1	1.2	10.0	10.1	12.8	13.6	7.4	.2					64.2	1235				
FEB	30.3	12.1	8.9	8.6	4.7	11.4	16.6	7.0	.3					57.6	1118				
MAR	58.7	12.1	7.1	5.2	4.0	6.7	5.4	1.2						29.6	1209				
APR	96.2	1.9	.4	.7	.4	.3								1.9	1210				
MAY	100.0														1240				
JUN	100.0														1200				
JUL	100.0														1240				
AUG	100.0														1240				
SEP	100.0														1200				
OCT	99.9	.1													1239				
NOV	93.7	2.5	1.7	.7	.6	.5	.4							3.8	1197				
DEC	55.1	7.4	9.1	8.1	5.5	8.1	5.1	1.5						37.5	1229				
ANNUAL	79.8	4.0	3.1	2.8	2.1	3.3	3.4	1.4	.					16.2	14547				

USAFETAC FORM 0-15-5 (OL A)  
 OCT 78

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

STATION RESTON VAFB MA STATION NAME 41-11 YEARS                     

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41				0	0	0	0	0	0	0	0	0	0
42		4*	0	2	2	0	0	0	0	0	0	4	4
43		10*	10	3	1	0	0	0	0	0*	3	0	* 13
44		7	9	9	0	0	0	0	0	0	0*	12	* 10
45		19	15	2	0	0	0	0	0	0	3	14	17
46		16	16	6	TRACE	0	0	0	0	0	0	3	18
47		7	10	4	TRACE	0	0	0	0	0	0	15	14
48		24	24	13	0	0	0	0	0	0	1	4	24
49		3	9	12	0	0	0	0	0	0*	0	7	10
50		7	14	13	3	0	0	0	0	0	0	2	17
51		1	5	4	0	0	0	0	0	0	1	6	1
52		0	9	5	0	0	0	0	0	0	0	0	0
53		0	5	TRACE	3	0	0	0	0	0	0	TRACE	0
54		9	2	0	1	0	0	0	0	0	0	TRACE	0
55		TRACE	3	4	2	0	0	0	0	0	0	0	0
56		0	5	24	4	0	0	0	0	0	0	0	0
57		0	5	3	3	0	0	0	0	0	0	0	0
58		0	23	4	0	0	0	0	0	0	TRACE	0	0
59		0	5	8	0	0	0	0	0	0	TRACE	4	0
60		0	3	12	0	0	0	0	0	0	0	13	0
61		12	31	0	0	0	0	0	0	0	0	0	0
62		4	14	7	TRACE	0	0	0	0	0	0	0	0
63		13	9	12	0	0	0	0	0	0	0	0	0
64		13	15	7	0	0	0	0	0	0	0	0	0
65		10	5	3	0	0	0	0	0	0	0	0	0
66		17	13	7	0	0	0	0	0	0	0	0	0
67		6	10	15	0	0	0	0	0	0	0	0	0
68		19	2	3	0	0	0	0	0	0	0	10	0
69		5	16	18	7	0	0	0	0	0	0	0	0
70		19	7	5	4	0	0	0	0	0	0	0	0
MEAN													
S. D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
 JUL 84

UNITED STATES CLIMATOLOGY SERVICE  
USAF ETAC  
WEATHER SERVICE/MAC

# EXTREME VALUES

(FROM DAILY OBSERVATIONS)

STATION STOVE, AFB, TX  
STATION NAME

41-21  
YEARS

## DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
71	14	11	4	3	0	0	0	0	0	0	11	0	14
72	0	15	12	4	0	0	0	0	0	0	0	0	12
73	17	12	TRACE	TRACE	0	0	0	0	0	0	0	0	17
74	13	10	2	1	0	0	0	0	0	0	0	0	12
75	0	9	7	TRACE	0	0	0	0	0	0	0	0	16
76	11	3	5	0	0	0	0	0	0	0	0	0	11
77	19	15	6	TRACE	0	0	0	0	0	0	1*	0	19
78	* 27*	20	11	0	0	0	0	0	0	0	1*	0	28
79	* TRACE	4	TRACE	2	0	0	0	0	0	TRACE	0	0	5
80	* TRACE	4	0	0	0	0	0	0	0	0	0	0	4
81	* TRACE	TRACE	0	0	0	0	0	0	0	0	0	0	0
MEAN	5.8	9.9	6.5	.8	.0	.0	.0	.0	.0	TRACE	1.2	1.4	4.4
S. D.	6.911	6.739	5.311	1.357	.000	.000	.000	.000	.000	.000	2.465	5.237	3.75
TOTAL OBS.	1239	1118	1209	1200	1243	1200	1240	124	1200	1239	1197	1000	14547

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
JUL 84

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.

USAF ETAC  
 STATION SERVICE/MAC

# EXTREME VALUES

SUPPLY WIND

(FROM DAILY OBSERVATIONS)

STATION STEVLE AFB MA STATION NAME 07-71 YEARS

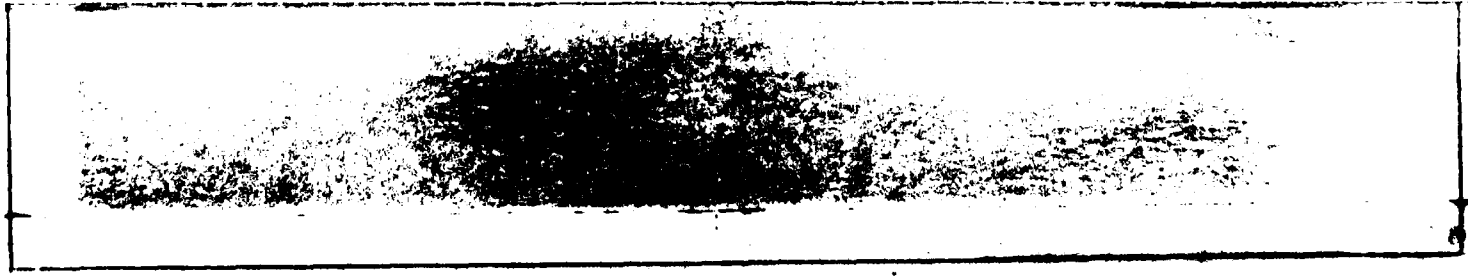
## DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS	
1			55	41NNW	48SSW	37ENE	34NE	33NE	42W	41NE	59W	40	S 56	
2		49W	40NW	39NNW	44NNW	47W	37S	44SW	37W	30E	42NW	41	N 49	
3		41W	51NW	43W	43W	31W	41NW	39SSW	29S	30NW	30ENE	58NW	44	E 56
4		43S	36SW	39NW	47ENE	36SW	34W	47NW	62N	63SSW	49NW	41NE	47	W 62
5		43NW	46NW	49NW	39SW	34W	45NW	33NE	46NE	31E	41W	44NW	47	W 50
6		43W	45NW	51ENE	51NW	39SW	40SSW	29W	34NW	31W	35SSW	45NW	43	E 51
7		43NW	34NW	30NW	32NW	44SW	41NW	31SSW	23S	26S	21S	39NW	54	W 54
8		46NW	46NE	41SSW	35NW	30W	31NW	36NW	34NW	27NW	31W	36NW	58	N 46
9		43NW	44	39NW	32NW	28W	30SW	24SSW	24NW	29NW	32N	42S	41	W 44
10		43NE	42	31NW	41W	30	31W	29SW	26NW	41NW	30NW	37NW	50	E 47
11		43NW	36NW	31W	31NW	31NW	36NW	33SW	37NW	30W	42NW	34NW	50	S 47
12		41W	32SW	30W	45SW	28NW	30SW	31SW	24ENE	27W	39N	36NW	40	N 40
13		43NW	42NW	37NW	35NW	42NW	31SSW	42W	32SSW	31NW	30NW	39NW	40	W 40
14		44NW	42SW	41SW	35NW	38W	40	40NW	20SSW	33W	30NW	42NW	41	W 48
15		43W	41W	34NW	37W	58W	31SSW	30NW	34SSW	33W	48W	45NE	41	W 48
16		43NW	37W	37NW	35NW	36W	30NW	34SW	32W	30NW	36S	30NW	41	N 43
17		43W	47W	37NW	47S	38W	34W	33NW	43N	29SSW	40NW	37NW	41	W 47
18		43NW	44NW	43NW	38NW	37W	29	3333	4624	263	3	5/35	2/40	37/40
19		43	30/54	1/37	31/32	36/52	22/29	30/26	20/26	22/26	22/32	35/32	19/33	5/54
20		31/56	31/46	35/35	29/49	34/29	35/27	3/25	24/27	2630	3631	2931	42	29/49
21		3/43	14/44	27/48	35/42	19/31	23/45	21/34	14/48	27/23	32/28	5/36	21/50	31/50
22		30/44	5/44	7/36	52/36	34/29	23/33	36/42	26/25	2/34	31/34	5/41	9/41	37/44
23		31/43	36/35	18/43	31/32	34/30	36/38	26/25	27/32	30/79	32/38	32/45	27/35	22/45
24		31/43	20/51	31/53	31/35	31/48	33/29	2/30	22/31	16/36	31/34	33/35	5/37	31/53
25		2/41	24/45	3/37	28/44	36/35	15/33	32/33	34/33	31/34	32/30	35/44	1/49	37/61
26		30/55	22/49	31/49	31/34	29/33	33/59	22/27	29/44	21/27	27/42	26/33	30/42	37/59
27		2/28	32/67	47/29	44/11	35/32	41	1/28	30/30	30/35	2/32	25/51	30*42	25/53
28		2/40	1/46	31/35	33/45	12/35	29/33	29/34	20/26	35/32	27/30	30/27	31/49	3/49
29		4/43	7/37	30/42	26/42	17/30	29/43	29/27	32/30	17/41	26/33	18/34	29*43	37/42
MEAN														
S. D.														
TOTAL OBS.														

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA) JUL 64

5 (BASED ON LESS THAN FULL MONTHS AND +1.0 KNOTS)





CLIMATE DIVISION  
 METEOROLOGICAL SERVICE/MAC

# EXTREME VALUES

SURFACE WIND

(FROM DAILY OBSERVATIONS)

RESTON AFB MA STATION NAME

1971 YEARS

## DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
	15/ 51 32/ 33	33/ 30 13/ 48	18/ 4	16/ 34	36/ 33	27/ 34	75/ 36	25/ 36	29/ 3	25/ 33	32/ 34	30/ 29	1/ 34
MEAN	42.3	43.2	41.0	40.5	38.3	38.4	32.3	34.9	32.5	35.1	40.3	41.5	53.2
S.D.	6.019	6.771	7.379	6.574	8.169	6.869	5.665	8.900	7.678	6.464	6.731	5.52	6.371
TOTAL OBS.	77	89	954	941	94	913	95	723	478	94	911	483	177

NOTES: (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
 JUL 66

(BASED ON LESS THAN FULL MONTHS AND +10 KNOTS)



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

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

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

70,73-76,80

JAN

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0000-0200

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	1.9	4.5	2.6	.4								9.4	5.8
NNE	.6	.6	1.1	.2								2.6	6.6
NE	1.1	.4										1.5	3.0
ENE	.4	.4										.9	4.0
E	.9	.2	.2									1.3	3.5
ESE													
SE	.9											.9	2.0
SSE	1.3	.4	.2									1.9	3.2
S	1.7	1.5	1.3	.2	.2							4.9	6.0
SSW	.6	2.1	2.4	.9	.2							6.2	7.5
SW	.6	1.3	.4									2.4	5.2
WSW	.4	.4	.2									1.1	4.8
W	.6	.4	1.3	.2								2.6	6.8
WNW	.6	1.9	2.8	2.6	.6	.2						8.8	10.0
NW	1.5	1.7	4.5	3.0	.4	.2	.2					11.6	9.7
NNW	1.5	.4	1.7									3.6	5.8
VARBL													
CALM												40.3	
	14.8	16.5	18.7	7.5	1.5	.4	.2					100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

466

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

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

USE WITH CAUTION  
SEE FIRST PAGE

**SURFACE WINDS**

1473  
STATION

WESTOVER AFB MA  
STATION NAME

70, 73-76, 80  
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	3.9	3.4	2.6	.9								10.8	5.6
NNE	1.5	1.3	.6									3.4	4.5
NE	1.1	.4										1.5	3.0
ENE	.2											.2	1.0
E	.2		.6									.9	7.5
ESE													
SE	.2	.2										.4	2.5
SSE	.6	.9	.2									1.7	4.1
S	.6	1.7	1.3	.9								4.5	7.2
SSW	1.1	.4	1.5	1.1								4.1	7.8
SW	.2	1.3	.4	.4								2.4	6.2
WSW		.6	.2									.9	5.5
W	.6	3.4	1.7									5.8	5.8
WNW	.9	1.5	2.6	1.9	.6							7.5	9.7
NW	1.7	1.1	3.2	2.8	.4	.2						9.5	9.4
NNW	1.3	1.7	1.9	.4								5.4	6.4
VARBL													
CALM												41.1	
	14.2	18.1	17.0	8.4	1.1	.2						100.0	4.1

TOTAL NUMBER OF OBSERVATIONS

465

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND USE WITH CAUTION  
 DIRECTION AND SPEED SEE FIRST PAGE  
 (FROM HOURLY OBSERVATIONS)

14723  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
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	2.4	4.5	3.1	2.1	.1							12.2	7.1
NNE	.9	.4	.5	.1								2.0	5.6
NE	1.0	.5	.4									2.0	3.9
ENE	.7	.7		.1								1.4	3.7
E	.5	.3	.4									1.2	5.0
ESE	.1											.1	2.0
SE	.4	.1										.5	2.3
SSE	1.2	.7	.3	.1	.1							2.4	5.1
S	1.2	2.5	1.3	.1	.1							5.2	5.9
SSW	.7	1.4	1.2	.7								3.9	6.8
SW	.7	1.6	1.3	.3								3.8	6.5
WSW	.1	.9	.3	.4	.1							1.8	8.3
W	.7	1.7	2.6	1.2		.1						6.3	8.3
WNW	.7	1.0	2.0	4.1	.8	.3						8.8	11.4
NW	1.3	1.7	1.8	1.4	.4		.1					6.8	8.3
NNW	1.2	2.5	1.2	.1	.1							5.1	6.0
VARBL													
CALM												36.4	
	13.6	20.4	16.4	10.7	1.8	.4	.1					100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 763

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14723 STATION WESTOVER AFB MA STATION NAME 70,73-81 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	3.4	5.6	4.7	1.8	.8							16.2	7.0
NNE	.8	1.3	.1	1.0	.1							3.3	7.5
NE	.2	.2	.9									1.3	6.8
ENE	.2	.5										.8	4.7
E	.2		.1									.3	3.7
ESE	.1	.2										.3	4.3
SE	.2											.2	2.0
SSE	.4	.3	.1									.9	3.6
S	.5	2.4	1.5	.5	.1	.2	.1					5.5	7.9
SSW	1.2	1.6	2.6	.2								5.7	6.4
SW	.7	1.8	2.3	.8	.5							6.0	6.2
WSW	.1	1.4	.8	.1	.3	.1						2.9	8.3
W	1.0	.8	1.5	3.5	.8	.1						7.7	10.5
WNW	.2	.8	2.3	4.1	1.3	.3						9.0	12.3
NW	1.0	1.6	3.3	2.7	.8							9.4	9.3
NNW	1.0	1.6	1.9	1.3	.3							6.1	8.1
VARBL													
CALM												24.3	
	11.3	20.3	22.1	16.0	5.0	.8	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 912

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703      WESTOVER AFB MA      70,73-81      JAN  
STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      1200-1400  
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	2.9	6.1	3.3	2.7	.3							15.4	7.1
NNE	.7	1.2	.9	.3								3.1	6.0
NE	.4	.8	.1									1.3	5.0
ENE	.2	.2	.3									.8	5.1
E	.2	.1										.3	3.0
ESE	.3	.1										.4	3.0
SE	.3	.1										.4	2.5
SSE	.2	.3										.5	3.2
S	1.1	2.3	2.1	.2	.2	.1						6.0	7.1
SSW	.5	2.3	2.4	1.5	.2							7.0	8.1
SW	1.2	1.9	1.0	.4	.2	.1						4.8	6.9
WSW	.2	.9	.4	.5	.7	.1						2.9	11.0
W	1.0	.9	2.7	3.3	1.1							9.0	10.4
WNW	1.1	1.2	3.5	5.7	2.5	.2						14.3	11.8
NW	1.6	1.1	3.2	4.9	.8	.2						11.8	10.4
NNW	1.5	1.9	2.3	2.0	.5							8.2	8.3
VARBL													
CALM												13.7	
	13.6	21.4	22.1	21.8	6.6	.8						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS      912

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14773  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.2	3.2	3.6	1.8	.5							11.3	7.4
NNE	.9	.8	.2	.1	.1							2.1	5.3
NE	.7	.3	.1									1.1	3.7
ENE	.4	.4	.2	.1								1.2	4.7
E	.3	.2		.1								.7	5.3
ESE													
SE	.1	.2										.3	4.0
SSE	.7	.4	.2	.3								1.6	5.5
S	1.2	3.1	2.7	.7	.1							7.8	6.5
SSW	1.4	2.1	1.4	1.1	.3	.1						6.5	7.5
SW	.7	1.6	.7	.7	.1							3.7	6.7
WSW	.4	1.0	.8	1.1	.2	.1						3.6	9.4
W	.8	1.4	2.3	3.4	.5							8.5	9.8
WNW	.8	1.9	4.7	7.1	1.2	.3						16.0	11.0
NW	1.4	1.6	4.1	5.2	1.0	.1						13.4	10.1
NNW	2.4	1.5	3.3	1.3	.4							9.0	7.4
VARBL													
CALM												13.1	
	14.4	19.9	24.4	23.0	4.6	.7						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 910

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703      WESTOVER AFB MA      70,73-81      JAN  
STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      1800-2000  
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	2.7	2.5	3.2	1.8	.4							10.6	7.1
NNE	.7	.7	.2		.2							1.8	5.9
NE	.7	.4	.1									1.2	3.7
ENE	.8	.7				.1						1.5	4.7
E	.2	.2			.1	.1						.7	9.2
ESE													
SE	.1	.1	.1									.3	4.3
SSE	1.3	.2	.2	.1								1.9	4.1
S	1.1	1.4	2.2	1.0	.1							5.8	7.5
SSW	1.0	1.3	1.3	.4	.2	.1						4.4	7.3
SW	.4	2.1	.9	.4	.2							4.1	7.1
WSW	.3	1.6	1.0	.5								3.5	7.2
W	1.0	2.3	2.7	1.5	.2	.1						7.9	7.7
WNW	1.0	4.1	5.4	3.6	1.0	.1						15.1	9.2
NW	1.2	2.4	4.5	3.0	.3	.2						11.6	9.0
NNW	1.6	3.0	2.0	.8	.3							7.7	6.6
VARBL													
CALM												21.8	
	14.2	23.1	23.8	13.2	3.2	.8						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS      911



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	4.2	2.5	1.0	.5							10.7	6.6
NNE	.8	.8	.8	.1								2.5	5.5
NE	.9	.3										1.2	2.2
ENE	1.2	.1			.1	.1						1.6	5.9
E	.5	.7										1.2	3.7
ESE	.4	.1										.5	2.8
SE	.3	.1										.4	2.7
SSE	1.0	.5										1.6	3.0
S	1.4	2.5	2.2	.3	.1							6.5	6.0
SSW	.9	.9	1.7	.1	.5							4.2	7.7
SW	.1	1.7	.8	.4	.3							3.3	7.8
WSW	.7	1.2	.7									2.5	5.3
W	1.3	2.1	2.1	.9	.5							6.9	7.6
WNW	.7	3.0	2.9	3.8	.9	.1						11.4	10.2
NW	1.4	1.7	3.1	2.0	.9	.4	.3					9.8	10.1
NNW	1.2	2.5	1.4	.5	.1							5.7	6.4
VARBL													
CALM												30.2	
	15.3	22.3	18.1	9.1	4.0	.7	.3					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS 766

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIP WEATHER SERVICE/MAC

# SURFACE WINDS

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

1473 STATION ESTOVER AFB MA 70,73-81 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	2.7	4.3	3.3	1.7	.4							12.4	6.9
NNE	.8	.9	.5	.3	.1							2.5	6.0
NE	.7	.4	.2	.0								1.4	4.1
ENE	.5	.4	.1	.0	.0	.0						1.1	4.7
E	.4	.2	.1	.0	.0	.0						.8	5.1
ESE	.1	.1										.2	3.2
SE	.3	.1	.0									.4	2.8
SSE	.8	.4	.1	.1	.0							1.5	4.2
S	1.1	2.2	1.9	.5	.1	.0	.0					5.9	6.8
SSW	1.0	1.6	1.8	.7	.2	.0						5.3	7.4
SW	.6	1.7	1.0	.5	.2	.0						4.0	7.1
WSW	.3	1.1	.6	.4	.2	.0						2.6	8.2
W	.9	1.6	2.2	2.0	.5	.0						7.2	8.9
WNW	.7	1.9	3.4	4.4	1.2	.2						11.9	10.8
NW	1.4	1.7	3.5	3.2	.7	.2	.1					10.6	9.7
NNW	1.5	2.0	2.0	.9	.3							6.7	7.1
VARBL													
CALM												25.4	
	13.8	20.6	20.9	14.7	3.8	.6	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 6105

12

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70, 73-76, 78  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	6.4	1.4	3.1	.8	.3						15.7	7.2
NNE	1.7	2.2	.8	.3								5.0	5.2
NE	.6	.3										.8	3.0
ENE	1.1	.3										1.4	3.0
E	.3	1.1										1.4	4.0
ESE	.6											.6	1.5
SE		.6										.6	4.0
SSE	1.1											1.1	2.3
S	2.5	3.6	2.2	1.1								9.5	6.1
SSW	.6	1.7	1.7	.6								4.5	6.8
SW	.8	2.0	.6	.6								3.9	5.9
WSW		.6		.6								1.1	8.5
W		1.4	.8	.3	.6							3.1	8.3
WNW	.3	2.0	1.1	3.4	.3							7.0	10.2
NW	1.7	2.8	2.0	1.7	.6							8.7	7.9
NNW	.3	2.0	3.4	2.0								7.6	8.9
VARBL													
CALM												28.0	
	15.1	26.9	14.0	13.4	2.2	.3						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 357



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14773  
STATION

WESTOVER AFB MA  
STATION NAME

70, 73-76, 78  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	4.8	5.6	1.7	1.1	.3						17.1	7.4
NNE	1.7	.8	.8									3.4	3.7
NE	1.7	.3	.3									2.2	3.4
ENE	.6	.3	.3									1.1	4.3
E	.3		.3									.6	5.0
ESE		.3										.3	4.0
SE	.6											.6	2.5
SSE	.8											.8	2.3
S	1.1	3.9	2.2	.3								7.6	5.7
SSW	.6	1.7	1.1									3.4	5.8
SW	1.4	1.1		.6								3.1	5.2
WSW		.3		.8	.3							1.4	12.8
W		1.7	.6	.6	.6							3.4	9.7
WNW	.3	.3	2.2	.8	.3	.3						4.2	10.3
NW	1.4	1.1	2.8	2.2	.3							7.8	8.5
NNW	.6	.3	2.0	3.4								6.2	10.1
VARBL													
CALM												37.0	
	14.6	16.8	18.2	10.4	2.5	.6						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 357

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
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	3.7	5.1	5.1	2.5	.6	.1						17.2	7.1
NNE	1.3	1.9	.1	.1								3.5	4.2
NE	1.3	1.0	.3	.1								2.8	4.5
ENE	.6		.6									1.2	5.4
E	.6	.3										.9	3.0
ESE													
SE	.3	.3										.6	3.5
SSE	.4	.4		.3								1.2	6.0
S	2.3	3.1	1.9	.6	.3							8.2	6.0
SSW	.9	1.2	.7	.1								2.9	5.8
SW	.3	.6	.3	.4	.1							1.8	7.8
WSW	.1	.7	.6	.3								1.8	6.8
W	.7	.6	1.3	1.2	.3	.1						4.3	9.7
WNW	.3	1.6	2.2	1.6	.9	.1						6.8	10.7
NW	.7	1.3	3.2	1.5	.1	.3	.1					7.3	9.4
NNW	1.0	1.6	1.2	1.0								4.8	7.0
VARBL													
CALM												34.8	
	14.7	19.8	17.6	9.8	2.3	.7	.1					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 681

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14 703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
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	1.3	6.5	6.6	3.8	.7	.2						19.2	8.3
NNE	1.2	1.2	1.4	1.1								4.9	7.1
NE	.7	.8	.1	.1								1.8	4.7
ENE	.6	.2	.2	.1								1.2	4.9
E		.5	.2									.7	5.5
ESE	.4	.2	.2									.8	4.7
SE		.1										.1	6.0
SSE	.5	.2		.1	.1							.9	6.9
S	1.8	2.3	2.7	1.8	.6							9.1	7.8
SSW	1.8	1.1	1.9	1.5			.1					6.4	7.6
SW	1.2	1.4	1.2	.6								4.4	6.3
WSW	.7	.8	.4	.4	.1							2.4	6.2
W	.8	.5	1.8	1.8	.6		.1					5.6	10.5
WNW	.6	1.1	2.6	5.0	1.2	.4						10.8	11.8
NW	.9	1.4	3.6	3.3	.2	.2						9.7	9.6
NNW	1.1	1.8	1.3	1.5								5.7	7.2
VARBL													
CALM												16.3	
	13.5	20.2	24.3	21.1	3.6	.8	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 843

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70, 73-81  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	4.6	6.3	2.7	.8	.2						16.4	8.2
NNE	.8	.6	1.3	.4	.5							3.6	8.0
NE	.4	.1	.2	.2								.9	6.8
ENE	.2	.9	.5	.1								1.8	6.0
E	.2	.6	.7									1.5	5.8
ESE	.2	.2	.2									.7	4.5
SE		.1		.1								.2	8.0
SSE	.6	.4		.1	.1							1.2	5.8
S	1.3	1.8	3.0	4.3	.4	.4						11.0	10.0
SSW	1.2	1.2	1.8	2.3		.2						6.6	8.7
SW	1.3	1.1	1.1	.5	.2							4.2	6.9
WSW	1.1	1.1	.7	.5	.2							3.6	6.7
W	1.1	.7	2.3	2.0	.7	.5	.1					7.4	11.3
WNW	.8	1.1	2.4	5.5	2.8	.2	.1					12.9	12.5
NW	1.1	1.1	3.1	7.1	1.4	.6						14.4	11.8
NNW	.6	1.3	2.5	1.9	.1							6.4	9.1
VARBL													
CALM												7.2	
	12.6	16.8	26.0	27.6	7.4	2.1	.2					100.0	8.9

TOTAL NUMBER OF OBSERVATIONS

843

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703      WESTOVER AFB MA      70,73-81      FEB

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      1500-1700

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	.7	4.3	4.0	1.7	.8							11.5	8.3
NNE	.4	.9	.2	.4	.1	.2						2.3	9.2
NE	.6	.8	.1									1.5	4.1
ENE	.1	.8	.9	.4								2.3	7.7
E	.1	.7	.8									1.7	6.8
ESE	.1		.1									.2	5.5
SE			.2									.2	8.0
SSE	.5	.7	.7	.2								2.1	6.6
S	.8	2.8	4.6	2.8	.5	.2						11.9	8.9
SSW	1.1	1.2	1.8	1.8	.5							6.3	9.0
SW	.8	.9	1.2	.2	.2							3.4	7.1
WSW	.2	.7	.9	.5		.1						2.5	8.0
W	.5	1.2	2.0	1.5	.6	.2						6.0	10.1
WNW	.4	1.3	2.7	8.1	1.5	.5	.1					14.6	12.6
NW	.7	1.9	5.0	6.8	1.3	.1						15.8	10.9
NNW	.7	.7	4.0	3.3	.2							9.0	9.7
VARBL													
CALM												8.7	
	7.7	19.1	29.5	27.6	5.8	1.4	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS      843



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14 703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	3.8	3.1	1.3	.5							10.7	7.0
NNE	.7	.5	.1		.1	.2						1.7	7.7
NE	.6	.8	.2	.1								1.8	4.9
ENE	.1	1.1	.4	.1								1.7	5.9
E	.4	.4	.7	.1								1.5	6.6
ESE	.2	.4	.1	.1								.8	5.6
SE	.6	.5	.1									1.2	3.6
SSE	.8	1.3	.5									2.6	4.5
S	1.5	3.1	3.6	1.9	.5	.1						10.7	7.9
SSW	.6	1.4	1.7	1.3	.2							5.2	8.5
SW	.2	.5	.4	.4								1.4	7.9
WSW	.2	.5	.2			.1						1.1	7.1
W	1.0	2.0	.7	1.4								5.1	7.5
WNW	1.0	3.6	5.5	4.9	.8							15.7	9.4
NW	1.5	2.9	5.0	4.4	.6							14.4	9.0
NNW	1.0	2.1	3.0	1.5	.1							7.7	7.5
VARBL													
CALM												16.6	
	12.5	24.7	25.2	17.6	2.9	.5						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

841

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.7	2.8	1.5	.6							10.1	7.7
NNE	1.3	.7	.7	.1								3.0	5.2
NE	.7	.4	.1									1.3	3.9
ENE	1.3	.9	.3	.1								2.7	4.3
E	.3	1.0	.4									1.8	5.0
ESE	.3	.4										.7	3.4
SE	.7	.6										1.3	3.2
SSE	1.3	1.3	.3									3.0	3.8
S	1.8	2.4	2.4	.9	.3							7.7	7.0
SSW	.7	1.6	1.3	1.0	.1							4.9	7.6
SW	.4	.4	.6	.3								1.8	6.8
WSW	.4	.6	.3	.1	.1							1.6	7.5
W	1.0	.9	.9	.7	.1							3.7	7.4
WNW	.7	4.1	4.4	2.5	.7							12.6	8.6
NW	1.8	3.0	4.7	1.8	.9	.4						12.6	8.9
NNW	1.5	2.4	2.2	1.3								7.4	7.1
VARBL													
CALM												24.0	
	15.7	24.9	21.6	10.5	3.0	.4						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 676

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14773 WESTOVER AFB MA 70,73-81 FEB  
 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	2.0	4.9	4.6	2.3	.7	.1						14.5	7.8
NNE	1.0	1.0	.7	.3	.1	.1						3.3	6.5
NE	.8	.6	.2	.1								1.7	4.5
ENE	.5	.6	.4	.1								1.7	5.6
E	.3	.6	.5	.0								1.3	5.6
ESE	.2	.2	.1	.0								.6	4.5
SE	.3	.3	.1	.0								.6	4.1
SSE	.7	.6	.2	.1	.0							1.7	5.0
S	1.6	2.7	3.0	1.9	.4	.1						9.7	7.9
SSW	1.0	1.3	1.5	1.2	.1	.0	.0					5.3	8.0
SW	.8	.9	.7	.4	.1							3.0	6.7
WSW	.4	.7	.5	.3	.1	.0						2.1	7.3
W	.7	1.1	1.4	1.3	.4	.1	.0					5.1	9.7
WNW	.6	1.9	3.1	4.4	1.2	.2	.0					11.5	11.0
NW	1.2	1.9	3.9	4.0	.7	.2	.0					12.0	9.9
NNW	.9	1.6	2.4	1.9	.1							6.9	8.3
VARBL													
CALM												19.2	
	12.9	21.0	23.3	18.7	4.0	1.0	.1					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 5441

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

USE WITH CAUTION  
 SEE FIRST PAGE

14 703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-75  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.9	1.7	2.4	.4							10.8	7.2
NNE	1.7	2.2	2.4	.9	.6							7.7	7.6
NE	1.1	.9	.2									2.2	3.8
ENE	.4	.9	.4									1.7	4.5
E	.6											.6	2.3
ESE	.4	.4										.9	3.5
SE	.4	.4	.2	.2								1.3	6.2
SSE	.6	.4										1.1	3.0
S	1.7	2.8	1.7	.4								6.7	5.2
SSW	.9	.4	.6		.2							2.2	6.3
SW	.6	.2	.2	.4								1.5	7.0
WSW	.2	.4										.6	4.0
W	.4	.9	1.5	.9	.2							3.9	8.2
WNW	.4	1.9	4.7	2.2		.4						9.7	9.7
NW	.6	2.2	3.4	1.7	.2							8.2	8.2
NNW	2.4	2.8	4.9	1.7	.4							12.3	7.5
VARBL													
CALM												28.8	
	15.1	20.6	22.2	10.8	2.2	.4						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 465

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-75  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.1	4.5	1.7	1.9	.6							12.9	6.6
NNE	.2	2.8	1.5	.2	.6							5.4	7.8
NE	.9	1.5	1.3	.6								4.3	6.6
ENE	.2	1.1	.4									1.7	4.9
E	.2	.4	.4									1.1	5.6
ESE	.2	.2										.4	4.0
SE	.2											.2	2.0
SSE	1.3	1.3	.2									2.8	3.8
S	1.9	1.5	.9	.4								4.7	4.9
SSW	.9	.9	.6	.4								2.8	5.7
SW	.2	.6		.6								1.5	7.6
WSW	.6	.2										.9	3.3
W		1.9	.6	.6								3.2	6.9
WNW	.6	2.4	2.6	3.7								9.2	9.2
NW	1.5	1.9	2.4	1.7								7.5	7.8
NNW	.6	2.6	3.4	1.9	.2							8.8	8.2
VARBL													
CALM												32.5	
	13.8	23.9	16.1	12.3	1.5							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 465

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
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	1.8	4.6	4.6	1.7	.8							13.5	7.8
NNE	.8	2.2	1.5	.4	.4							5.3	7.3
NE	.6	.4	.1	.5								1.7	6.5
ENE	.9	.8	.5									2.2	4.6
E	.3	.8	.8									1.8	5.9
ESE	.6		.1									.8	3.2
SE	.4		.4									.8	5.7
SSE	.5	.4		.1								1.0	4.5
S	1.5	1.4	2.2	1.2								6.3	7.1
SSW	.9	1.4	.5	.4	.1							3.3	6.3
SW	.4	.4	.4	.3								1.4	6.5
WSW	.3	1.3	.6									2.2	5.6
W	.3	.8	1.7	.4	.1							3.2	8.2
WNW	.3	1.0	4.2	2.8	1.4	.4	.1					10.3	11.3
NW	.4	2.4	2.8	2.7	.9	.1	.1					9.5	10.0
NNW	.9	1.5	2.2	1.5	.1							6.3	8.1
VARBL													
CALM												30.4	
	10.8	19.4	22.8	12.0	3.9	.5	.3					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS

777

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 14703 WESTOVER AFB MA STATION NAME WESTOVER AFB MA YEARS 69-70,73-80 MAP NORTH  
 CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	4.4	6.1	2.6	1.0							16.7	7.9
NNE	.6	1.0	1.6	.8	.5	.1						4.6	9.2
NE	.2	1.2	.6	.8	.1							2.9	8.3
ENE	.9	1.0	.8	.1								2.7	5.1
E	.4	1.4	.6									2.5	5.3
ESE		.4	.1									.5	6.0
SE	.4	1.1	.1	.1								1.7	5.3
SSE	.2	1.0		.3								1.5	6.1
S	1.1	1.7	2.8	1.7	.2	.2						7.7	8.5
SSW	1.0	1.9	1.5	1.7	.1							6.2	7.9
SW	1.2	1.7	1.0	.3	.1							4.3	5.9
WSW	.8	.8	.4	.2								2.2	5.8
W	.3	.9	1.7	2.0	.2							5.2	9.9
WNW	.2	1.8	2.8	5.7	1.4	.5	.1					12.6	12.2
NW	.4	1.7	1.7	5.5	1.2	.2						10.8	12.0
NNW	.8	1.3	1.7	3.0								6.8	9.3
VARBL													
CALM												11.2	
	11.1	23.2	23.7	24.8	4.8	1.1	.1					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703 WESTOVER AFB MA 69-70,73-80 MAR  
STATION STATION NAME YEARS MONTH  
 ALL WEATHER 1200-1400  
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	.9	3.2	5.5	2.6	.2	.1						12.5	8.5
NNE	1.0	.3	1.0	.3	.5							3.1	8.6
NE	.2	1.3	.4	.5	.4							2.9	9.0
ENE	.5	.9	1.0	.3								2.7	6.7
E	.4	.9	1.2	.1								2.6	6.4
ESE	.4	.3	.4	.1								1.3	5.9
SE	.3	.8	.4	.3								1.8	6.5
SSE	.5	.5	.1	.5	.1	.1						1.9	8.3
S	1.3	1.8	2.4	3.4	.8	.1						9.8	9.5
SSW	.5	1.4	2.9	1.5	.8							7.1	9.6
SW	.6	1.6	1.3	1.0	.1							4.6	7.5
WSW	.8	.5	.6	.8								2.7	7.4
W	1.0	1.1	2.0	2.3		.1						6.5	8.8
WNW	.6	1.5	1.8	7.5	2.0	.5						14.1	12.7
NW	.8	.9	1.8	6.8	3.1	.5	.3					14.2	13.8
NNW	.6	1.3	2.0	2.8	.6							7.4	10.2
VARBL													
CALM												4.8	
	10.5	18.3	24.9	30.9	8.7	1.5	.3					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 930



1  
2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14713      WESTOVER AFB MA      69-70,73-80      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	2.7	2.8	2.2	2.9	.5							10.4	8.2
NNE	.3	.5	1.5	.4	.2							3.0	8.3
NE	.2	.5	1.2	.6								2.6	8.0
ENE	.6	.6	.6	.5								2.5	7.0
E	.5	1.4	.6									2.6	5.3
ESE	.6	.1	.4									1.2	5.1
SE	.2	.4		.3	.2							1.2	9.3
SSE	.6	.9	.9	.8	.2							3.3	8.1
S	.6	2.3	4.1	4.3	1.5							12.8	10.3
SSW	.5	1.9	1.3	1.9								5.7	8.8
SW	.5	.5	.6	.1								1.8	5.5
WSW	.2	.8	.8	.2								1.9	6.8
W	.4	1.2	3.2	2.5	.4	.2						8.0	9.8
WNW	.3	.9	2.5	6.9	2.8	.9						14.2	13.4
NW	.1	1.3	4.3	7.6	2.4	.9	.1					16.7	12.9
NNW	1.0	1.2	1.4	3.5	.6							7.7	10.2
VARBL													
CALM												4.4	
	9.0	17.3	25.6	32.7	8.9	1.9	.1					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS      930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1973  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

MAR  
NORTH

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	2.0	2.6	2.5	1.8	.3	.1						9.4	7.5
NNE	.1	1.4	1.5	.6								3.7	8.0
NE	1.3	.4	1.0									2.7	5.1
ENE	.9	1.0	.4	.2		.2						2.7	6.6
E	.5	1.2	1.3	.3								3.3	6.8
ESE	.3	.5	.3	.1								1.3	5.8
SE	.2	.8	.4	.2	.1							1.7	7.1
SSE	.4	1.3	.9	.2								2.8	6.1
S	1.4	3.9	4.1	3.3	.4							13.1	8.2
SSW	.8	1.7	.8	.3								3.5	6.1
SW	.2	1.0	.2									1.4	4.7
WSW	.2	1.2	.1	.1								1.6	5.1
W	1.3	.6	1.0	.4	.2							3.5	6.6
WNW	.4	2.4	3.1	6.9	1.5							14.3	11.2
NW	1.4	2.8	4.7	4.6	1.7	.2	.1					15.6	10.4
NNW	.6	1.6	2.4	1.3	.4							6.3	8.7
VARBL													
CALM												13.0	
	12.2	24.3	24.6	20.5	4.7	.5	.1					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

WITH CAUTION  
 SEE FIRST PAGE

14713  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

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

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	3.5	2.6	1.2	.4							9.3	7.0
NNE	.6	1.9	1.7	.8	.3							5.3	7.7
NE	.8	1.3	1.2	.1		.1						3.5	6.2
ENE	.6	.8	.3	.1	.1	.1						2.1	6.8
E	.6	.5	.5	.1								1.8	5.8
ESE	.5	.5										1.0	3.6
SE	.4	.3	.1	.4	.1							1.3	8.9
SSE	1.4	1.5	.6	.3	.1							4.0	5.3
S	1.8	3.7	4.3	1.0	.1							11.0	6.8
SSW	.9	.9	1.0	.1								3.0	5.5
SW	.4	.3	.1	.1	.1							1.0	7.3
WSW	.1	.3	.3	.1								.8	7.5
W	.4	.6	1.3	.5	.1							3.0	8.4
WNW	.5	1.3	3.1	3.0	.5	.1						8.5	10.2
NW	.8	3.5	4.8	4.4	1.5	.3						15.2	9.9
NHW	.6	1.8	2.5	1.7	.5							7.1	9.1
VARBL													
CALM												22.2	
	12.3	22.7	24.3	13.9	4.0	.6						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 775

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
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	2.0	3.6	3.6	2.2	.5	.0						12.0	7.7
NNE	.6	1.4	1.5	.5	.4	.0						4.5	8.1
NE	.6	.9	.8	.4	.1	.0						2.8	7.0
ENE	.7	.9	.6	.2	.0	.0						2.4	6.0
E	.5	.9	.8	.1								2.2	5.9
ESE	.4	.3	.2	.0								1.0	5.0
SE	.3	.5	.2	.2	.1							1.3	6.9
SSE	.7	.9	.4	.3	.1	.0						2.4	6.2
S	1.4	2.4	3.0	2.3	.5	.0						9.5	8.3
SSW	.8	1.4	1.3	.9	.2							4.5	7.8
SW	.5	.9	.5	.3	.0							2.4	6.5
WSW	.4	.7	.4	.2								1.7	6.2
W	.6	1.0	1.7	1.3	.2	.0						4.8	8.8
WNW	.4	1.6	3.0	5.2	1.4	.4	.0					12.0	11.7
NW	.7	2.0	3.3	4.8	1.6	.3	.1					12.9	11.3
NNW	.9	1.6	2.3	2.3	.4							7.5	9.0
VARBL													
CALM												16.2	
	11.5	21.1	23.6	21.3	5.3	.9	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 6202

12

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**  
USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-75  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	4.4	3.6	1.3								10.4	6.6
NNE	1.1	1.6	1.6	.4								4.7	6.5
NE	1.3	.2	.4	.2								2.2	4.4
ENE	1.1	.4	.7									2.2	5.1
E	.9	.2										1.1	2.4
ESE	.4											.4	1.5
SE	.4		.2									.7	4.3
SSE	1.1	.2	.7									2.0	4.6
S	2.9	5.3	2.2	.4	.2							11.1	5.4
SSW	1.6	2.0	2.2	1.3								7.1	6.6
SW	.9	.2	.4									1.6	4.3
WSW	.2	.7		.4	.2							1.6	8.6
W	.7	1.3	1.6									3.6	5.6
WNW	.2	3.3	2.0	1.6	.9							8.0	9.0
NW	.9	2.4	2.4	1.8								7.6	7.8
NNW	.9	2.2	1.1	.4								4.7	6.2
VARBL													
CALM												31.1	
	15.8	24.7	19.1	8.0	1.3							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 450

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75  
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	2.4	3.3	2.2	.4								8.4	5.4
NNE	1.1	.7	.4	.7								2.9	6.0
NE	1.3	1.8	1.3	.7								5.1	6.0
ENE	.7	.7	.9									2.2	5.9
E	.9	1.1										2.0	3.9
ESE	.4	.2										.7	2.7
SE	.7	.2										.9	2.5
SSE	1.3	.4										1.8	2.5
S	4.0	2.2	2.7	1.3								10.2	5.8
SSW	.7	2.0	1.6	.4								4.7	6.6
SW	.2	.4	.2									.9	5.5
WSW	.4	.9										1.3	4.2
W	.4	.7	1.1	.4		.2						2.9	8.9
WNW	.9	1.6	1.1	1.8	.7							6.0	9.3
NW	.9	1.1	1.1	2.0								5.1	8.7
NNW	1.6	.9	2.4	.7								5.6	6.7
VARBL													
CALM												39.3	
	18.0	18.2	15.1	8.4	.7	.2						100.0	3.9

TOTAL NUMBER OF OBSERVATIONS

450

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

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

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	4.3	2.9	.5	.1							10.8	5.7
NNE	1.7	1.8	1.0	.5								5.1	5.7
NE	.8	1.6	.8	.7								3.8	6.6
ENE	.9	1.3	.7	.3								3.1	5.7
E	1.2	1.0	.5									2.7	4.4
ESE	.1	.3	.3									.7	5.6
SE	.8	.3										1.0	2.8
SSE	.3	.4	.3									.9	5.1
S	2.0	2.3	2.2	1.4								7.9	6.6
SSW	1.6	2.9	1.6	.5								6.5	5.9
SW	.7	.9	.4	.1	.1							2.2	5.6
WSW	.3	1.3	.1	.1								1.8	5.5
W	.7	2.2	1.0	1.0	.1							5.1	7.4
WNW	.7	2.3	1.4	1.6	.5							6.5	8.8
NW	.7	1.8	2.9	1.7	.7							7.7	8.9
NNW	1.2	1.4	2.7	.9	.3							6.5	7.7
VARBL													
CALM												27.6	
	16.3	26.2	18.7	9.4	1.8							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 768

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14733  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
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	1.2	4.1	5.8	2.9	.3							14.3	8.0
NNE	1.4	2.7	1.9	.4	.1							6.6	6.2
NE	.6	1.6	1.7	.3								4.1	6.5
ENE	.6	1.1	1.1	.4	.1							3.3	6.9
E	1.0	.8	.8	.1								2.7	5.3
ESE	.8	.8	.3	.2								2.1	5.4
SE	.6		.7	.2								1.4	6.5
SSE	.6	.3	.2									1.1	4.5
S	1.4	1.8	3.0	1.2								7.5	6.9
SSW	.9	2.2	3.9	2.0	.1							9.1	8.3
SW	1.1	1.6	1.1	.9								4.7	6.6
WSW	1.1	1.3	.2	.3	.1							3.1	5.5
W	.8	.9	1.7	2.1	.2							5.7	9.4
WNW	1.0	1.3	2.2	3.3	1.0	.1	.1					9.1	10.9
NW	.4	1.4	2.6	4.2	1.4	.2						10.3	11.7
NNW	.6	1.0	3.6	3.0	.2							8.3	9.6
VARBL													
CALM												6.5	
	14.0	22.9	30.7	21.8	3.7	.3	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

899



2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14773  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.9	5.2	3.0	.6							11.8	9.2
NNE	.4	.8	1.3	1.1								3.7	8.6
NE	.7	1.7	1.4	.6								4.3	6.7
ENE	.2	1.8	.8	.1								2.9	5.8
E	1.0	1.3	.3	.1								2.8	4.5
ESE	.1	.2	.6	.1								1.0	7.1
SE		.6	.8	.1								1.4	7.4
SSE	.1	.6	.3									1.0	6.2
S	1.2	1.6	2.4	4.3	.1							9.7	9.3
SSW	.6	1.6	3.0	3.7	.7							9.4	10.2
SW	.4	1.1	1.3	1.1								4.0	8.5
WSW	.9	1.2	.6		.2							2.9	5.8
W	1.3	.9	2.3	3.2	.2							8.0	9.5
WNW	.4	1.0	1.9	5.8	1.9	.7						11.7	13.0
NW	.6	1.7	3.4	5.0	1.4	.2	.1	.1				12.6	11.7
NNW	.7	1.3	3.1	3.3	.1							8.6	9.5
VARBL													
CALM												4.3	
	9.8	19.1	28.9	31.6	5.2	.9	.1	.1				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

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

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.9	3.6	3.3	.2							10.2	8.8
NNE	.4	1.0	1.7	1.0								4.1	8.1
NE	1.3	1.1	2.0	.4								4.9	6.4
ENE	.3	1.1	1.2	.2								2.9	6.8
E	.7	.7	.4									1.8	4.8
ESE	.6	.2	.7	.3	.1							1.9	7.3
SE	.1	.8	.3									1.2	5.8
SSE	.7	.3	.8	.1								1.9	6.0
S		1.4	2.6	4.6	.9	.1						9.6	11.7
SSW	.8	1.3	2.6	5.0	.7							10.3	10.6
SW	.4	1.7	.9	.3	.2							3.6	7.2
WSW	.1	.2	1.0	.6	.1							2.0	8.9
W	.6	1.1	2.0	1.1	.7	.1						5.6	9.7
WNW	.6	.7	3.4	5.9	1.8	.2						12.6	12.1
NW	.1	1.2	4.2	6.8	2.1	.4						14.9	12.6
NNW	.8	.8	3.4	2.7	.6							8.2	9.8
VARBL													
CALM												4.4	
	8.7	15.6	30.8	32.3	7.3	.9						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
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	2.4	2.3	3.8	1.8	.1							10.4	7.1
NNE	1.3	1.0	1.1	.1								3.6	5.3
NE	1.4	1.0	2.1	.3								4.9	6.1
ENE	.9	.6	.4									1.9	4.4
E	.6	.8	1.0	.2								2.6	6.3
ESE	.2	.4	.3	.4								1.4	7.9
SE	.3	.4	.6	.3								1.7	7.1
SSE	.2	.9	.7	.2								2.0	6.8
S	1.1	3.1	5.0	4.1	.3							13.7	8.9
SSW	.7	1.4	3.7	2.3	.4							8.6	9.3
SW	.6	.8	.6									2.9	5.6
WSW		1.0	.1	.6	.2							1.9	9.4
W	.8	1.2	1.1	.2								3.3	6.0
WNW	.1	2.0	3.0	3.7	.7	.2						9.7	10.5
NW	1.1	3.7	3.7	4.0	.4							12.9	8.9
NNW	1.2	3.6	2.7	1.4								8.9	6.9
VARBL													
CALM												10.8	
	13.0	24.2	29.8	19.8	2.2	.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA 69-70,73-80 APR  
STATION MONTH  
 ALL WEATHER 2100-2300  
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	2.5	3.0	3.6	.4	.1							9.6	5.8
NNE	1.1	1.6	1.5	.1								4.4	5.4
NE	1.2	.7	1.1	.3								3.3	5.7
ENE	1.1	.4	.3									1.8	3.6
E	.3	1.0	.3	.1								1.6	6.2
ESE	.8	.4	.3									1.5	3.7
SE	.3	.3	.1									.7	3.8
SSE	1.6	2.2	.7									4.5	4.4
S	2.5	6.8	5.7	1.2	.1							16.4	6.5
SSW	.8	1.6	2.2	1.2								5.9	7.3
SW	.1	.8	.5	.3								1.8	7.3
WSW	.3	.3	.3									.8	5.5
W	.5	2.1	1.0	.3		.3						4.1	7.0
WNW	.3	1.6	3.1	1.5	.3							6.8	8.9
NW	1.2	4.8	2.6	2.5	.3							11.4	7.4
NNW	1.2	2.1	1.8	1.0	.1							6.2	6.9
VARBL													
CALM												19.3	
	15.0	29.7	25.0	8.9	1.0	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 731



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.0	4.0	1.9	.2							11.0	7.4
NNE	1.1	1.4	1.4	.6	.0							4.4	6.5
NE	1.1	1.2	1.5	.4								4.2	6.2
ENE	.7	1.0	.8	.2	.0							2.6	5.8
E	.9	.9	.5	.1								2.3	5.0
ESE	.4	.4	.4	.2	.0							1.3	6.0
SE	.4	.4	.4	.1								1.2	5.8
SSE	.7	.7	.5	.1								1.9	5.1
S	1.6	2.9	3.3	2.6	.2	.0						10.7	7.9
SSW	.9	1.9	2.7	2.3	.3							8.1	8.7
SW	.6	1.0	.8	.4	.1							2.8	6.8
WSW	.4	.9	.3	.3	.1							2.0	6.7
W	.8	1.3	1.5	1.2	.2	.1						5.0	8.4
WNW	.5	1.6	2.4	3.4	1.0	.2	.0					9.2	10.9
NW	.7	2.3	3.0	3.8	.9	.1	.0	.0				10.9	10.3
NNW	1.0	1.7	2.8	1.9	.2							7.5	8.3
VARBL													
CALM												15.1	
	13.4	22.5	26.0	19.3	3.3	.4	.0	.0				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 5998

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

SEE FIRST PAGE  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75,79  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1	1.7									6.0	4.9
NNE	2.4	.6	.4									3.4	3.1
NE	1.9	.9	.4									3.2	3.4
ENE	1.1	.6	.4									2.1	4.5
E	1.9	1.1	.6									3.6	4.2
ESE	.6	.2	.2									1.1	4.2
SE	1.1	.2	.2									1.5	2.9
SSE	1.9	1.5										3.4	3.3
S	8.1	6.2	3.6	1.7								19.7	5.2
SSW	1.1	3.4	.9	.4								5.8	5.4
SW	.4	.6	.4									1.5	5.0
WSW		.4										.4	4.5
W	.4	.4	.6									1.5	6.1
WNW	.2	1.7	.6									2.6	5.6
NW	.9	1.1	1.5	.2								3.6	6.4
NNW	.6	1.5	1.1									3.2	5.6
VARBL													
CALM												37.3	
	24.8	22.7	12.8	2.4								100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 467

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14713  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75,78  
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	2.4	3.6	1.7									7.7	5.0
NNE	2.6	1.7	.4	.2								4.9	4.0
NE	3.0	.9										3.9	2.7
ENE	.2	1.1										1.3	4.3
E	1.1	.2	.2									1.5	3.3
ESE	.6	.4	.2									1.3	3.7
SE	.9	.4										1.3	2.5
SSE	1.7	1.3	.6									3.6	4.0
S	3.2	4.5	2.6	.9								11.2	5.6
SSW	1.7	1.3	1.1	.6								4.7	6.0
SW	.6	1.5										2.1	4.4
WSW	.6	.2	.4									1.3	4.3
W	.4	1.9										2.4	4.3
WNW	.6	.9	.2									1.7	4.9
NW	.9	.4	.4	.4								2.1	6.7
NNW	.6	1.1	.6									2.4	4.8
VARBL													
CALM												46.6	
	21.2	21.5	8.6	2.1								100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 466

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

MAY  
MONTH  
 3600-0800  
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	4.1	2.9	1.0								11.0	5.7
NNE	1.7	1.8	1.3	.4								5.3	5.5
NE	1.1	.6	1.0									2.7	5.1
ENE	1.2	1.0	.3	.1								2.6	4.3
E	1.4	.5	1.0	.3								3.2	5.6
ESE	.9	.4		.1								1.4	3.7
SE	1.0		.1									1.1	2.8
SSE	1.4	1.1		.1								2.6	3.5
S	2.8	4.2	2.7	1.2	.1							11.0	5.9
SSW	2.1	3.5	2.1	.8								8.3	5.9
SW	1.2	1.2	.5	.1								3.0	4.8
WSW	.8	.8	.6									2.2	5.0
W	.3	1.8	.3	.1								2.6	5.4
WNW	.3	1.1	1.0	.6								3.0	7.1
NW	1.3	1.5	1.0	1.1	.1	.1						5.1	7.6
NNW	1.3	.9	.6	.3								3.1	5.6
VARBL													
CALM												31.7	
	21.7	24.5	15.5	6.3	.2	.1						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 925



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WIND**

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

14 03 WESTOVER AFB MA 69-70, 73-80

STATION

STATION NAME

YEARS

ALL WEATHER

590  
 80

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%
N	1.7	2.6	3.4	1.3	.3							9.4
NNE	1.4	2.2	2.3	.5								6.3
NE	1.2	2.0	1.5	.2								4.6
ENE	.6	1.0	1.0									2.6
E	1.4	1.1	.4	.2								3.1
ESE	.9	.2	.1	.2								1.4
SF	.3	.3	.3	.2								1.2
SSE	1.0	1.0	.5	.1								2.6
S	2.7	3.9	3.9	2.7	.4							12.9
SSW	1.4	4.1	3.9	2.2	.1							11.6
SW	2.2	2.8	1.1	.1								6.1
WSW	1.1	1.3	.8	.1								3.2
W	2.6	1.9	1.6	.6								6.8
WNW	1.2	.9	2.4	1.5	.3							6.2
NW	1.3	1.3	1.9	2.2	.1							7.3
NNW	1.3	1.8	1.8	.9	.1							5.9
VARBL												
CALM												8.4
	21.5	28.8	26.9	13.0	1.4							100.0

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1473  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.4	2.6	1.8	.5							8.6	8.3
NNE	.8	.9	.5	1.0								3.1	7.6
NE	1.1	2.2	.9	.1								4.2	5.1
ENE	.5	1.5	1.2	.3								3.5	6.5
E	.0	1.3	.5	.3	.1							3.1	5.9
ESE	.3	.9	.2		.1							1.9	5.0
SE	.3	.2	.2	.1								1.4	5.5
SSE	.2	1.4	1.0	.3								2.9	7.4
S	1.6	2.9	4.8	3.8	.9							14.0	9.0
SSW	1.4	3.1	4.8	3.0	.8							13.1	8.5
SW	.6	2.5	2.2	1.3	.1	.1						6.8	8.1
WSW	.9	1.5	1.4	.1								3.9	5.9
W	1.7	1.6	2.7	1.5	.3							7.8	7.8
WNW	1.0	1.2	2.8	2.8	.2	.2						8.2	9.6
NW	.5	1.2	2.9	3.3	.4	.1						8.5	10.1
NNW	.8	1.2	1.7	1.0	.2	.1						4.9	6.2
VARBL													
CALM												4.0	
	14.3	26.3	30.4	20.8	3.7	.5						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 14703 WESTOVER AFB MA STATION NAME WESTOVER AFB MA YEARS 69-70, 73-80 MONTH MAY  
 CLASS ALL WEATHER HOURS (LST) 1500-1700  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.4	2.4	2.7	.5							9.2	3.8
NNE	1.7	1.5	.6	.1								3.4	4.9
NE	.4	1.5	.6	.2								2.9	5.9
ENE	.9	1.1	1.0	.1								2.9	5.6
E	1.7	1.7	.5	.1								3.1	4.5
ESE	.7	.4	.2	.2								1.2	6.5
SE	.9	.7	.3	.2								2.3	5.0
SSE	.4	.6	1.0	.9								2.9	8.3
S	.5	2.3	5.8	6.6	1.5							16.7	10.6
SSW	.6	2.3	4.5	2.3	.4							10.3	8.8
SW	.5	1.6	1.9	1.3	.1							5.6	8.0
WSW	.6	1.7	1.7	.8								4.7	7.3
W	1.1	1.4	2.6	2.2								7.2	8.3
WNW	.1	1.5	3.4	2.6	.8		.1					8.6	10.5
NW	.5	1.0	4.1	2.0	.3	.3						8.7	9.7
NNW	.9	2.3	1.6	.9	.1							5.7	7.4
VARBL													
CALM												4.5	
	11.7	24.2	32.4	23.0	3.8	.3	.1					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14773  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.8	2.8	1.6	1.3								8.5	5.9
NNE	1.5	.8	.4	.2								2.9	4.4
NE	1.4	1.1	1.1	.1								3.5	5.1
ENE	.5	.8	.6	.1	.1							2.2	6.0
E	.5	1.3	.6	.1								2.6	5.7
ESE	.6	.4	.2									1.3	4.2
SE	1.1	.9	.2									2.2	4.0
SSE	1.7	.5	1.1	.6	.1							3.3	6.7
S	1.9	6.1	10.0	6.0	.3	.1						24.5	8.5
SSW	.9	3.5	4.5	2.5								11.4	8.0
SW	.7	1.6	.4	.2								2.5	6.3
WSW	.1	.4	.5									1.1	6.2
W	.3	1.2	1.5	.3								3.3	7.1
WNW	.4	2.4	3.0	1.3	.3							7.4	8.3
NW	1.4	2.4	3.5	1.6	.1							9.0	7.3
NNW	1.6	1.2	.8	.8	.1							4.4	6.4
VARBL													
CALM												9.9	
	16.3	27.2	30.2	15.2	1.1	.1						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

WITH CAUTION  
 SEE FIRST PAGE

1473  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

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

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	2.4	1.6	.2								7.1	4.9
NNE	1.3	1.6	.5	.2								3.5	4.7
NE	1.1	.8	.5									2.4	4.4
ENE	.2	.8	.3	.2								1.4	5.9
E	.7	1.4	.6									2.2	5.9
ESE	.8	1.1	.2									2.1	3.8
SE	1.1	1.0	.3									2.4	4.1
SSE	2.9	1.4	.8									5.1	3.7
S	4.5	11.4	8.5	1.6								26.0	6.2
SSW	1.3	3.7	2.2	.8								8.0	6.2
SW	.6	.6	.2									1.4	4.1
WSW		.3	.2									.5	6.3
W	.3	1.7	.3	.2								1.3	5.4
WNW	1.2	1.4	1.6									4.0	6.0
NW	1.9	2.6	1.8	.3	.2							6.7	5.7
NNW	1.4	1.6	1.0									4.0	4.6
VARBL													
CALM												21.2	
	21.5	33.2	20.5	3.4	.2							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 623

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1-703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.1	2.8	2.4	1.2	.2							8.7	6.7
NNE	1.5	1.4	.9	.4								4.1	5.4
NE	1.3	1.3	.8	.1								3.5	5.0
ENE	.7	1.	.7	.1	.0							2.5	5.6
E	1.1	1.0	.6	.2	.0							2.9	5.2
ESE	.7	.5	.2	.1	.0							1.5	4.6
SE	.8	.6	.2	.1	.0							1.7	4.3
SSE	1.2	1.	.7	.3	.0							3.2	5.4
S	2.6	4.9	5.4	3.4	.5	.0						16.8	7.7
SSW	1.3	3.2	3.3	1.8	.2							9.8	7.5
SW	.9	1.7	1.0	.5	.0	.0						4.0	6.4
WSW	.5	.9	.8	.1	.0							2.4	5.9
W	1.0	1.5	1.4	.7	.0							4.6	6.9
WNW	.6	1.4	2.1	1.3	.2	.0	.0					5.7	6.7
NW	1.1	1.6	2.3	1.6	.2	.1						6.9	8.2
NNW	1.1	1.5	1.2	.6	.1	.0						4.4	6.7
VARB													
CALM												17.2	
	18.4	26.3	24.0	12.4	1.5	.2	.0					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS

6201

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

1473  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75,80  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	≥66	%	MEAN WIND SPEED
N	3.3	1.3	.7									5.3	3.5
NNE	.9	1.1	.4									2.4	4.9
NE	1.1	.7	.2									2.0	3.8
ENE	.9	.4	.2	.2								1.8	4.6
E	1.1	1.1										2.2	3.4
ESE	1.1	.9										2.0	3.2
SE	1.1	.4										1.6	2.6
SSE	4.7	1.1	.4									5.5	3.0
S	9.5	9.8	2.7	.7								22.6	4.3
SSW	2.4	4.4	1.1									6.0	4.5
SW	.4	.7										1.1	3.8
WSW													
W	.4	.7										1.1	3.4
WNW	.2	.4	.7									1.3	5.7
NW		.4	.4									.9	7.3
NNW	.9	.2										1.1	2.6
VARBL													
CALM												41.0	
	27.5	23.7	6.9	.9								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 451

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14 703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KMTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	0.2	3.3	.7									6.2	4.1
NNE	.9	1.8	.2									2.9	4.3
NE	1.1	.9	.4									2.4	3.9
NNE	1.1	.7										1.8	3.0
E	1.3	.4										1.8	2.4
ESE	.7	.4	.7									1.8	4.6
SE	1.0	.7	.2									2.9	3.2
SSE	2.9	.7	.2									3.8	2.9
S	7.6	5.6	3.1	.4								16.7	4.4
SSW	4.7	1.6	.7									6.2	3.4
SW	.4	.2										.7	3.3
WSW	.2	.2										.4	3.0
W	.4											.4	2.0
WNW	.2		.4									.7	7.3
NW	.2	.2	.4									.9	5.0
NNW	.7	.2										.9	2.3
VARBL													
CALM												49.6	
	26.0	18.9	7.1	.4								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 450



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 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	2.8	2.0	1.2								10.2	5.7
NNE	1.3	1.1	.9	.1								3.4	5.3
NE	.9	.4	.1									1.4	3.3
ENE	.8	.2										1.0	2.9
E	1.7	.6										2.2	2.9
ESE	.6	.2	.1									.9	3.4
SE	.8	.4	.1									1.3	3.4
SSE	2.6	1.1	.3									3.9	3.3
S	5.9	8.2	3.7	.8								18.6	5.0
SSW	3.2	2.8	2.7	.2								8.9	5.2
SW	1.6	1.4	.2	.1								3.3	4.0
WSW	1.1	.4	.2	.1								1.8	4.1
W	.3	.7	.4	.4								1.9	7.6
WNW	.4	.3	1.4	.8								3.0	8.1
NW	.7	1.3	.9	.2								3.1	6.0
NNW	.7	1.3	.2	.1								2.3	4.6
VARBL													
CALM												32.6	
	26.6	23.4	13.3	4.1								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS

899

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.9	3.3	2.3	1.4	.3							10.3	6.6
NNE	1.8	1.7	1.1	.8								5.3	6.2
NE	1.6	.7	.7	.2								3.1	4.9
ENE	1.1	.7	.2									2.0	3.4
E	1.1	.3	.3									1.8	3.5
ESE	1.2	.6										1.8	2.9
SE	1.0	.6										1.6	2.7
SSE	1.6	.8	1.0	.1	.1							3.6	5.3
S	3.7	5.6	5.2	1.4								15.9	6.2
SSW	3.4	4.0	4.8	2.1								14.3	6.6
SW	1.4	2.8	1.6	.6								6.3	5.9
WSW	2.0	1.9	1.4	.1								5.4	5.1
W	1.0	1.9	1.6	.8								5.1	6.7
WNW	.7	1.0	2.1	1.4	.1							5.3	8.5
NW	.9	1.0	1.7	1.6								5.1	8.1
NNW	1.2	.8	1.7	.7								4.3	6.8
VARB													
CALM												8.7	
	26.6	27.3	25.7	11.2	.6							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14723  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	2.9	3.4	1.7	.2							9.6	7.6
NNE	.4	.9	.4	.7								2.4	7.7
NE	.3	.7	.7	.1								1.8	6.2
ENE	.2	1.7	.9									2.1	6.0
E	1.1	1.1	1.1	.1								3.4	5.1
ESE	.6	.9	.2									1.7	4.2
SE	.2	.8	.2									1.2	5.1
SSE	.3	1.0	1.0	.1								2.4	6.4
S	3.0	4.2	6.7	4.2	.1							18.2	7.8
SSW	1.8	3.9	5.8	4.4	.2							16.1	8.3
SW	.8	2.6	3.4	2.1								8.9	7.8
WSW	1.1	1.9	2.0	.8								5.8	6.6
W	.8	1.7	3.3	1.1								6.9	7.8
WNW	.6	.4	2.2	1.4	.2							4.9	9.6
NW	.7	1.2	2.8	2.7	.1							7.4	9.1
NNW	.7	1.0	1.9	1.1								4.7	7.6
VAR: L													
CALM												2.4	
	13.9	26.1	36.1	20.6	.9							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	2.1	2.4	1.4								8.1	6.5
NNE	.6	1.3	1.2	.1								3.2	6.3
NE	.6	.6	.2									1.3	4.3
ENE	.2	.6	.8	.2								1.8	6.7
E	.4	1.0	1.1	.1								2.7	6.3
ESE	.9	.9	.3									2.0	4.0
SE	.8	.8	.4									2.0	4.6
SSE	.7	1.1	1.2	.1								3.1	5.9
S	1.1	3.8	9.3	5.6	.1							19.8	8.9
SSW	.9	3.8	6.7	4.8	.2							16.3	8.9
SW	.4	1.4	2.7	1.4	.2							6.2	8.8
WSW	.6	1.7	2.3	.8								4.7	7.6
W	.3	1.3	4.1	.9								6.7	8.0
WNW	.2	1.1	2.0	2.0	.2							5.6	9.5
NW	.6	1.9	3.9	2.0	.1							8.4	8.4
NNW	.8	.9	2.1	1.2								5.0	8.1
VARBL													
CALM												3.1	
	10.9	23.6	40.9	20.7	.9							100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1473  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

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

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	1.9	1.2	1.1	.1							6.2	6.4
NNE	1.3	1.1	.8	.1								3.3	4.9
NE	1.2	.8	.2									2.2	3.7
ENE	.7	.7	.2									1.1	4.0
E	.7	1.6	.2									2.4	4.6
ESE	1.1	.9	.4									2.4	4.5
SE	1.7	1.2	.1									2.3	3.8
SSE	.7	1.3	1.0	.3								3.3	6.0
S	2.4	7.7	17.4	3.8								24.3	7.5
SSW	1.1	4.3	6.0	3.1								14.6	7.8
SW	.4	1.3	1.7	.3								3.8	6.7
WSW	.6	1.7	1.0	.6								3.8	6.6
W	.9	2.6	1.6	.2								5.2	5.3
WNW	1.4	2.2	1.4	.8	.1	.1						6.1	6.8
NW	.9	1.7	1.9	1.0								5.4	6.9
NNW	1.4	1.2	.8	.9								4.3	6.2
VARBL													
CALM												9.0	
	17.8	31.7	29.0	12.2	.2	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WIND**

SEE WITH CAUTION  
 SEE FIRST PAGE

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70, 73-80  
 YEARS

JUN  
 MONTH

ALL WEATHER  
 CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	2.3	1.3	1.2								7.5	5.0
NNE	1.2	.5	.3	.2								2.2	4.0
NE	1.7	.8	.2									2.7	3.0
ENE	1.8	1.1	.2									3.0	3.0
E	.8	.5	.3									1.7	3.0
ESE	.5	.5	.2									1.2	3.0
SE	1.3	.3										1.7	2.0
SSE	1.7	3.8	.3									5.8	4.0
S	7.0	14.3	9.0	.8								31.0	5.0
SSW	2.3	2.5	1.8	.5								7.1	5.0
SW	.8	1.0										1.8	3.0
WSW	.3	.3	.2									.8	3.0
W	.5	1.3										1.8	3.0
WNW	.2	.8	.5	.5	.2							2.2	8.0
NW	.5	1.0	.7	.2								2.3	6.0
NNW	1.2	.7	.3			.2						2.3	5.0
VARBL													
CALM												25.0	
	24.4	31.7	15.3	3.3	.2	.2						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS 60

AD-A110 237

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
WESTOVER AFB, CHICOPEE FALLS, MASSACHUSETTS REVISED UNIFORM SUM--ETC(U)  
OCT 81

UNCLASSIFIED

USAFETAC/DS-81/091

SBI-AD-E850 120

NL

2-1

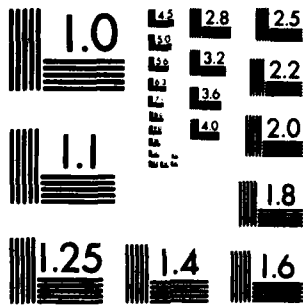
6

2000

2000

The table consists of 10 columns and 15 rows. The top row is mostly blacked out, with only the first cell containing the text '2-1', '6', '2000', and '2000'. The remaining 14 rows are almost entirely blacked out, with only a few small white rectangular areas visible in the first column of each row.

10237



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS 1963 A.



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14703      WESTOVER AFB MA      69-70,73-80      JUN

STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      CLASS      ALL

CONDITION      HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	2.5	1.9	1.1	.1							8.3	6.2
NNE	1.1	1.2	.7	.3								3.3	5.7
NE	1.0	.7	.3	.0								2.1	4.3
ENE	.8	.6	.3	.0								1.8	4.4
E	1.0	.8	.4	.0								2.3	4.4
ESE	.8	.7	.2									1.7	3.9
SE	.9	.7	.1									1.8	3.6
SSE	1.5	1.3	.8	.1	.0							3.7	4.7
S	4.4	7.0	6.6	2.5	.0							20.6	6.5
SSW	2.3	3.5	4.2	2.2	.1							12.3	7.2
SW	.8	1.6	1.4	.7	.0							4.6	6.8
WSW	.8	1.1	1.1	.3								3.3	6.2
W	.6	1.4	1.6	.5								4.2	6.9
WNW	.5	.9	1.5	1.0	.1	.0						4.1	8.4
NW	.6	1.2	1.8	1.1	.0							4.8	7.8
NNW	.9	.9	1.0	.6		.0						3.5	6.7
VARBL													
CALM												17.7	
	20.8	26.0	24.3	10.7	.4	.0						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS      6003



2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75,78  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	1.3	.6									4.7	3.7
NNE	.6		.2									.9	3.3
NE	1.1											1.1	2.2
ENE	1.3											1.3	2.0
E	1.1											1.1	2.0
ESE	.9											.9	2.0
SE	.9	.6	.2									1.7	3.5
SSE	3.2	.4	1.1									4.7	3.7
S	5.8	9.0	3.9	.4								19.1	4.8
SSW	1.7	4.3	1.9	.2								8.2	5.3
SW	1.3	.4										1.7	2.9
WSW	.7	.4	.2									.9	5.5
W	.4		.4									.9	4.5
WNW													
NW		.2										.2	4.0
NNW	.4	1.1										1.5	4.4
VARBL													
CALM												51.3	
	21.7	17.8	8.6	.6								100.0	2.1

TOTAL NUMBER OF OBSERVATIONS 466

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70,73-75

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0300-0500

HOURS (L.S.T.)

EXTENSION

SPEED (KNTS) DIR.	1 - 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	1.7	.2	.2								5.2	3.6
NNE	1.1	.2										1.3	2.3
NE	.2	.4										.6	3.3
ENE	.6	.2										.9	2.8
E	.6											.6	2.3
ESE	1.3											1.3	2.0
SE	1.3											1.3	2.2
SSE	2.4	.6	.9									3.9	3.9
S	6.2	7.7	2.6									16.6	4.3
SSW	2.4	3.0	1.7									7.1	4.7
SW	.4	.9	.4									1.7	5.0
WSW	.6	.6	.4									1.7	4.8
W	1.1	.2	.2									1.5	3.1
WNW													
NW		.4		.2								.6	8.3
NNW	.9	.6										1.5	3.7
VARBL													
CALM												54.2	
	22.2	16.8	6.5	.4								100.0	1.8

TOTAL NUMBER OF OBSERVATIONS

465

2  
 GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703      WESTOVER AFB MA      69-70,73-80      JUL  
STATION      STATION NAME      YEARS      MONTH

ALL WEATHER      0600-0800  
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	3.9	3.5	2.0	.3								9.8	4.8
NNE	1.8	1.3	.8	.2								4.1	4.5
NE	.6	.6	.1									1.4	3.6
ENE	.5	.4										1.0	2.9
E	.3	.5	.3									1.2	4.7
ESE	1.0	.1										1.1	2.6
SE	1.4	.4										1.8	2.8
SSE	1.8	.8	.4									3.0	3.5
S	4.5	8.4	2.3	.2								15.4	4.6
SSW	2.5	3.8	2.2	.3								8.7	5.2
SW	1.6	1.4	.9	.1								4.0	4.8
WSW	.3	1.0	.3									1.6	4.8
W	.9	.8	.4	.1								2.2	4.8
WNW	.5	.5										1.1	3.6
NW	1.1	.8	.3	.4								2.6	5.6
NNW	1.6	.9	.4									2.9	4.1
VARBL												38.3	
CALM													
	24.4	25.2	10.4	1.7								100.0	2.8

TOTAL NUMBER OF OBSERVATIONS      930

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14 703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	5.5	4.3	1.7								14.2	6.4
NNE	1.6	2.3	.9	.1	.1							4.9	5.2
NE	1.3	1.0	.3									2.6	4.1
ENE	.6	.8	.2									1.6	4.1
E	1.3	.9										2.2	3.3
ESE	.6	.2										.9	3.0
SE	.8	.3										1.1	2.5
SSE	.9	1.0	.6									2.5	4.7
S	2.2	5.3	3.9	.6								11.9	6.1
SSW	2.2	5.4	4.9	1.6								14.1	6.6
SW	2.2	3.1	3.7	.1								9.0	5.7
WSW	1.2	1.7	1.0	.3								4.2	5.7
W	2.0	2.5	.8	.2								5.5	4.6
WNW	1.4	1.9	1.4	.4								5.2	5.6
NW	1.0	1.8	2.2	.6								5.6	6.9
NNW	1.3	2.2	1.7	.5								5.7	6.2
VARBL													
CALM												8.9	
	23.1	35.7	25.8	6.3	.1							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	3.7	4.1	1.4								11.0	6.9
NNE	1.9	1.7	1.5	.1								5.3	5.0
NE	.6	.9	.2	.2								1.9	5.1
ENE	1.1	.6	.1									1.8	3.9
E	.8	1.1	.3									2.2	4.2
ESE	1.0		.1									1.1	2.5
SE	.4	.2	.9									1.5	6.4
SSE	.4	1.2	.9	.2								2.7	6.4
S	1.2	4.1	5.8	2.2	.1							13.3	7.7
SSW	1.2	3.7	4.9	3.3								13.1	8.0
SW	.3	2.4	4.3	1.9								8.9	8.2
WSW	.5	2.2	2.3	.4								5.4	6.8
W	.6	2.7	2.9	1.2	.1							7.5	7.7
WNW	.8	1.3	2.5	1.5	.1							6.1	8.4
NW	1.1	2.0	3.4	1.7	.2							8.5	8.0
NNW	1.3	2.3	2.3	.5								6.3	6.4
VARBL													
CALM												3.3	
	15.1	29.9	36.5	14.7	.5							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

STATION 14703 STATION NAME WESTOVER AFB MA YEARS 69-70, 73-80 MONTH JUL  
 CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700  
 CONDITION \_\_\_\_\_

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	3.0	2.9	1.2								9.1	6.2
NNE	1.0	1.1	.9	.5								3.4	6.1
NE	.5	1.0										1.5	3.9
ENE	.4	.4	.2									1.1	4.3
E	1.6	.8	.4									2.8	3.7
ESE	.5	.6	.1									1.3	4.3
SE	.2	.5										.8	4.0
SSE	.8	1.2	1.2	.2								3.3	6.3
S	1.3	4.5	6.6	2.7	.1							15.2	7.9
SSW	.5	3.8	6.1	3.7	.1							14.2	8.5
SW	.4	1.9	3.3	2.7								8.4	8.8
WSW	.5	1.6	3.0	1.3								6.5	8.2
W	1.3	2.0	3.1	.9	.3							7.6	7.5
WNW	.4	1.3	2.9	.9	.2							5.7	8.0
NW	1.3	2.6	5.3	1.1								10.2	7.2
NNW	.8	1.8	1.9	1.4								5.9	7.5
VARBL													
CALM												2.9	
	13.7	28.2	38.0	16.5	.8							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14 703

WESTOVER AFB MA

69-70, 73-80

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

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	2.3	3.3	1.8	.4	.1							8.0	5.4
NNE	.8	.4	.2									1.4	3.6
NE	1.1	.1										1.2	2.4
ENE	.4	.4										.9	3.3
E	.9	.2										1.1	2.6
ESE	.9	.4	.1									1.4	3.5
SE	1.0	.6	.3									1.9	3.7
SSE	1.5	1.1	1.1	.1								3.8	4.9
S	1.7	7.8	9.4	2.2								21.1	7.1
SSW	1.1	3.2	5.2	1.3								10.8	7.3
SW	.8	1.1	2.2	.6	.1							4.7	7.3
WSW	.9	1.4	1.5									3.8	5.9
W	1.2	2.6	1.3	.2								5.3	5.4
WNW	.9	2.9	1.8	.5								6.1	6.2
NW	2.6	1.8	1.0	.2								5.6	4.5
NNW	1.4	1.9	1.0	.2								4.5	5.3
VARBL													
CALM												18.6	
	19.1	29.5	26.8	5.8	.2							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

930



2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	1.8	.8									4.3	4.1
NNE	.5		.2									.6	4.0
NE	.8	.6										1.4	3.1
ENE	1.0	.2										1.1	2.3
E	1.0	.5										1.4	2.9
ESE	.8											.8	1.6
SE	1.4	1.0										2.4	2.9
SSE	3.1	2.3	.6									5.9	3.9
S	5.3	10.9	6.4	.6								23.3	5.2
SSW	1.6	3.9	2.3	.2								7.9	5.7
SW	.6	1.0	.2	.2								1.9	4.9
WSW	.3	.6	.3	.2								1.4	6.1
W	.8	1.1	.3									2.3	4.1
WNW	1.0	.5	.5	.2								2.1	5.2
NW	.2	1.0	.6	.2								1.9	6.6
NNW	1.0	1.3	.2									2.4	4.2
VARBL													
CALM												38.6	
	21.1	26.5	12.4	1.4								100.0	2.9

TOTAL NUMBER OF OBSERVATIONS 622

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.5	3.3	2.4	.8	.0							9.0	5.7
NNE	1.2	1.0	.7	.1	.0							3.1	4.9
NE	.8	.6	.1	.0								1.6	3.8
ENE	.7	.4	.1									1.2	3.5
E	1.0	.6	.2									1.7	3.5
ESE	.8	.2	.0									1.1	2.9
SE	.9	.5	.2									1.5	3.6
SSE	1.5	1.1	.8	.1								3.5	4.7
S	3.1	6.9	5.3	1.3	.0							16.5	6.2
SSW	1.6	3.9	4.0	1.6	.0							11.1	6.9
SW	1.0	1.7	2.2	.8	.0							5.7	7.0
WSW	.6	1.3	1.3	.3								3.5	6.6
W	1.1	1.7	1.4	.4	.1							4.6	6.2
WNW	.7	1.2	1.3	.5	.0							3.8	6.8
NW	1.1	1.5	1.9	.6	.0							5	6.8
NNW	1.1	1.6	1.1	.4								4.3	5.9
VARBL													
CALM												22.6	
	19.7	27.5	23.0	7.0	.2							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

6202

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75,80  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	.9	1.1									4.3	4.2
NNE	1.3		.6									1.9	4.7
NE	1.1		.2									1.3	2.8
ENE	1.1	.9										1.9	3.1
E	.9	.4	.2									1.5	3.7
ESE	.2											.2	2.0
SE	.6	.2										.9	2.5
SSE	1.3	.4										1.7	2.6
S	6.8	7.5	1.1									15.4	3.7
SSW	.9	1.3	1.1									3.2	5.1
SW	.6	.2	.6	.6								2.1	7.9
WSW	.2	.4	.2									.9	5.0
W	.2											.2	2.0
WNW	.2	.2										.4	4.0
NW	.4	.2	.2									.9	5.0
NNW	.6	.9	.2									1.7	3.5
VARBL													
CALM												61.5	
	18.8	13.5	5.6	.6								100.0	1.6

TOTAL NUMBER OF OBSERVATIONS

468

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-75, 79-80  
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	2.8	1.1	1.3									5.1	4.4
NNE	2.1	.2	.2									2.6	2.7
NE	.9	.4										1.3	2.3
ENE	1.1											1.1	2.0
E	.6											.6	1.7
ESE													
SE	.2		.2									.4	5.0
SSE	1.1	.2										1.3	2.8
S	3.6	3.0	.2									6.9	3.5
SSW	.9	3.2	1.1	.2								5.4	5.7
SW	.9	.4	.2									1.5	3.9
WSW	.2	1.1										1.3	4.8
W													
WNW	.2	.2										.4	4.5
NW	.2	.6	.2									1.1	4.4
NNW	.6	.4										1.1	3.2
VARBL													
CALM												70.0	
	15.4	10.9	3.4	.2								100.0	1.2

TOTAL NUMBER OF OBSERVATIONS 467

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1473  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

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

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.3	3.2	2.3	.5								11.3	4.8
NNE	2.6	.5	.4	.1								3.7	3.4
NE	1.1	.3	.2									1.6	3.1
ENE	.9	.2	.2									1.3	3.5
E	.9	.3										1.2	2.6
ESE	.1											.1	2.0
SE	.5	.1										.6	2.8
SSE	1.2	.5	.1									1.8	3.5
S	3.0	4.1	3.1	.4								10.7	5.3
SSW	1.9	1.6	1.8	.2								5.6	5.2
SW	.8	1.4	.6									2.8	4.9
WSW	.4	.3	.3	.1	.1							1.3	6.6
W	.6	.4	.6		.1							1.8	5.8
WNW	.4	.2	.3	.4								1.4	7.2
NW	.8	.8	.5	.3								2.4	5.5
NNW	.6	1.0										1.6	4.1
VARBL													
CALM												50.8	
	21.1	15.1	10.7	2.2	.2							100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	5.5	6.2	3.4	.8								15.9	5.2
NNE	2.8	2.7	2.2									7.6	4.7
NE	1.8	1.0	.8	.2								3.8	4.9
ENE	.6	.6	.2									1.5	4.1
E	1.1	.4	.4									1.9	4.1
ESE	.3	.3	.1									.8	3.7
SE	.3	.1										.4	2.8
SSE	1.0	.3	.2									1.5	3.9
S	2.4	2.5	4.1	.9								9.8	6.3
SSW	2.3	3.8	3.0	.9								9.9	6.1
SW	2.4	2.0	1.8	.3								6.6	5.3
WSW	1.9	1.2	.9	.2								4.2	4.7
W	2.4	1.5	1.1	.4		.2						5.6	5.8
WNW	1.5	1.3	1.1	.9	.1							4.8	6.6
NW	2.3	2.2	1.4	.5								6.3	5.4
NNW	1.4	1.6	.6	.1								3.8	4.7
VARBL													
CALM												15.6	
	29.9	27.7	21.3	5.2	.1	.2						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

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

14703

WESTOVER AFB MA

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

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	3.7	5.5	3.9	.6								13.7	5.6
NNE	1.6	1.7	.8	.5								4.6	5.3
NE	1.3	.9	.8	.2								3.1	5.2
ENE	.5	.9	.9									2.3	5.1
E	.6	1.1	.2									1.9	4.3
ESE		.8	.4	.1								1.3	6.6
SE	.4	.4		.1								1.0	4.0
SSE	1.1	1.0	.3	.1								2.5	4.7
S	.9	3.2	4.3	1.7								10.1	7.4
SSW	1.7	3.7	3.6	1.7	.1							10.8	7.1
SW	1.3	3.4	3.0	1.4								9.1	7.0
WSW	.9	1.8	1.8	.9								5.4	6.9
W	1.5	3.4	3.4	1.1	.1							9.6	6.8
WNW	1.3	1.4	2.3	.9								5.8	6.9
NW	1.4	1.6	2.9	1.3	.1							7.3	7.6
NNW	1.1	1.8	2.7	.8								6.4	7.0
VARBL													
CALM												5.2	
	19.3	32.6	31.2	11.4	.3							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.3	4.2	2.6	1.4								11.5	5.8
NNE	.9	1.9	1.2	.3								4.3	5.7
NE	.4	.9	.8	.1								2.2	6.3
ENE	.9	1.1	.3									2.3	4.3
E	1.0	1.1	.4									2.5	4.7
ESE	1.1	1.0	.5									2.6	4.6
SE	.6	.5	.2									1.4	4.1
SSE	.4	.9	.6									1.9	4.9
S	1.6	4.7	4.3	2.0	.1							12.8	7.2
SSW	.2	1.9	5.2	2.3								9.6	8.7
SW	.3	1.8	2.5	1.7								6.4	8.4
WSW	.4	2.3	3.0	.5	.1							6.4	7.3
W	.3	2.3	4.4	.5	.1							7.6	7.4
WNW	.5	1.9	2.8	1.1								6.4	7.9
NW	.9	3.3	3.0	1.0								8.2	6.9
NNW	1.3	2.8	3.1	.9								7.8	6.8
VARBL													
CALM												6.4	
	13.9	32.6	35.0	11.8	.3							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 929



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

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

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	2.3	1.9	.4	.1							8.7	4.9
NNE	.9	.4	.9	.4								2.6	6.8
NE	1.2	.4	.5									2.2	4.4
ENE	1.1	.5	.2									1.8	3.8
E	1.8	.5	.2									2.6	3.1
ESE	.8	.3	.1									1.2	3.0
SE	.9	1.2										2.0	3.3
SSE	1.6	1.9	.3									3.9	4.1
S	2.7	8.4	4.8	.9								16.8	5.9
SSW	1.4	3.1	4.0	.5	.1							9.1	6.8
SW	.4	2.3	1.2	.2								4.1	5.9
WSW	.5	1.2	1.1	.1								2.9	6.0
W	.5	1.8	.2	.1								2.7	4.7
WNW	1.3	1.7	.9	.2								4.1	5.1
NW	2.8	2.0	1.2	.2								6.2	4.6
NNW	2.2	1.8	.8									4.7	4.2
VARBL													
CALM												24.4	
	24.0	30.0	18.3	3.1	.2							100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
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	3.2	1.9	1.8	.2								7.0	4.5
NNE	1.0	.8	.3									2.1	3.9
NE	1.9		.6									2.5	3.8
ENE	1.4		.5									1.9	3.3
E	1.4	.2	.3									1.9	3.2
ESE	1.0	.3										1.3	2.4
SE	.6	.3										1.0	3.2
SSE	3.2	.8										4.0	2.6
S	5.9	8.7	3.3	.3								17.5	4.8
SSW	1.3	3.0	1.8									6.1	5.2
SW	.3	.8	.5									1.6	5.4
WSW	.3	.5	.2									1.0	5.0
W	.5	.3	.2									1.0	4.0
WNW	.5	.8	.2	.2								1.6	4.9
NW	1.1	.8	.8	.2								2.9	5.3
NNW	1.1	.5	.5	.2								2.2	4.9
VARBL													
CALM												44.6	
	24.7	18.9	10.8	1.0								100.0	2.4

TOTAL NUMBER OF OBSERVATIONS

628

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14 703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
MOUSE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 14	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	3.5	2.5	.6	.0							10.6	5.2
NNE	1.7	1.2	.9	.2								4.0	4.9
NE	1.2	.5	.5	.1								2.4	4.6
ENE	.9	.6	.3									1.8	4.0
E	1.1	.6	.2									1.9	3.7
ESE	.5	.4	.2	.0								1.0	4.2
SE	.5	.4	.0	.0								1.0	3.5
SSE	1.3	.8	.2	.0								2.4	3.8
S	3.0	5.0	3.5	.9	.0							12.4	5.8
SSW	1.4	2.8	3.0	.9	.0							8.0	6.7
SW	.9	1.8	1.5	.6								4.8	6.5
WSW	.7	1.2	1.1	.3	.0							3.3	6.3
W	.9	1.4	1.5	.3	.0	.0						4.2	6.4
WNW	.8	1.1	1.1	.5	.0							3.6	6.7
NW	1.4	1.6	1.5	.5	.0							5.0	6.1
NNW	1.1	1.5	1.1	.3								4.1	5.6
VARBL													
CALM												29.7	
	21.3	24.4	19.2	5.2	.2	.0						100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

6209

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14 703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75,80  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.4	2.2	1.6	.2								7.3	4.4
NNE	.6	1.4	.2									2.2	4.6
NE	1.4	.2	.2									1.8	3.2
ENE	.4	.2	.2									.8	4.3
E	.4			.2								.6	5.7
ESE	.2		.2		.2							.6	9.3
SE	1.2	.2										1.4	2.9
SSE	1.2	.6										1.8	2.7
S	3.6	4.5	1.4	.6	.2							10.3	5.1
SSW	.8	1.0	1.2	.4								3.4	6.4
SW	.2	.6	.2									1.0	5.2
WSW	.4	.4										.8	3.3
W	.2	1.6	.2									2.0	5.1
WNW	.6	.8	.2	.4								2.0	5.7
NW	.4	.6	.4									1.4	5.6
NNW	1.0	1.0	.2									2.2	4.1
VARBL													
CALM												60.7	
	15.8	15.2	6.1	1.8	.4							100.0	1.9

TOTAL NUMBER OF OBSERVATIONS

507

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-75, 80  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR	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	3.0	2.4	.2								8.5	4.9
NNE	1.0	1.0	.2									2.2	3.8
NE	1.0	.2	.4									1.6	3.5
ENE	.4		.4									.8	5.8
E	.4											.4	2.0
ESE	.2											.2	2.0
SE	.4		.2									.6	3.3
SSE	.4	.2										.6	3.7
S	3.5	3.1	1.2	.6								8.5	4.9
SSW	1.6	.8	1.2									3.5	4.8
SW	.4	.2	.2									.8	3.8
WSW	.4											.4	2.0
W		1.0	.6									1.6	6.3
WNW	1.0	.4	.4	.4								2.2	5.8
NW	.6	.8	.6	.2	.2							2.4	6.6
NNW	.8	1.4	.2									2.4	4.4
VARBL													
CALM												63.6	
	15.0	12.0	7.9	1.4	.2							100.0	1.8

TOTAL NUMBER OF OBSERVATIONS 508

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.4	5.8	2.4	.3								13.0	4.7
NNE	2.1	1.1	.3	.1								3.7	3.8
NE	1.6	.7	.2									2.4	3.5
ENE	1.1	.2		.1								1.4	3.2
E	.2	.2	.3									.8	5.1
ESE	.4	.1	.1	.1								.8	4.9
SE	.9	.3										1.2	3.5
SSE	.7	.2		.3								1.2	6.0
S	3.7	3.9	1.0	.2	.2							9.0	4.5
SSW	1.4	1.7	1.2	.4								4.8	5.9
SW	1.0	.6	.4									2.0	4.4
WSW	.4	.4	.1									1.0	3.9
W	.6	.6	.6	.3								2.0	6.8
WNW	.3	.8	.7	.1								1.9	5.9
NW	.4	.3	.7	.3								1.8	7.0
NNW	1.0	.9	.8	.2	.1							3.0	6.1
VARBL													
CALM												50.0	
	20.3	17.8	8.9	2.7	.3							100.0	2.4

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14703      WESTOVER AFB MA      69-70,73-80      SEP

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	3.9	5.7	4.4	1.0								15.0	5.7
NNE	.8	2.7	1.7	.3								5.4	5.8
NE	1.1	1.0	.2									2.3	4.2
ENE	.9	1.1	.3									2.3	4.5
E	1.2	.4	.2									1.9	3.4
ESE	.8											.8	1.7
SE	.6	.4	.2									1.2	4.5
SSE	.6	.7	.1	.1	.1							1.6	5.9
S	2.7	4.2	2.3	.9	.2							10.3	5.9
SSW	1.7	3.7	4.8	1.6								11.7	7.0
SW	2.1	2.4	1.2	.3	.1							6.2	5.2
WSW	1.2	.7	.6	.1								2.6	4.7
W	1.8	1.4	.6	.4								4.2	5.3
WNW	.6	1.7	1.3	1.3	.1							5.0	8.2
NW	.6	1.4	2.2	1.4								5.7	8.2
NNW	2.6	2.7	2.1	1.0								8.3	5.9
VARBL													
CALM												15.4	
	22.9	30.2	22.3	8.6	.6							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS      900

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14703      WESTOVER AFB MA      69-70,73-80      SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

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	2.1	4.9	4.3	1.9								13.2	6.7
NNE	1.7	2.0	1.4									5.1	4.9
NE	.4	1.2	.9									2.6	5.3
ENE	1.1	.9	.3									2.3	3.9
E	.9	.3	.2									1.4	4.1
ESE	.6	.6										1.1	3.3
SE	.3	.4	.3	.1								1.2	5.5
SSE	.9	.7	.4	.3								2.3	5.6
S	1.7	3.6	4.0	2.8	.1							12.1	7.8
SSW	1.6	4.1	5.9	2.2								13.8	7.4
SW	1.3	1.7	3.4	1.6								8.0	7.6
WSW	1.4	1.3	1.2	.2								4.2	5.4
W	1.6	.8	1.3	1.1	.2							5.0	7.4
WNW	.7	1.7	2.1	2.2	.4							7.1	9.1
NW	1.1	1.9	4.4	1.0								8.4	7.5
NNW	.8	2.2	3.0	.6	.1							6.7	7.2
VARBL													
CALM												5.3	
	18.1	28.2	33.4	14.0	.9							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS      900



2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

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

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.4	3.7	2.7	.9								9.7	5.9
NNE	1.4	.8	.6	.1	.1							3.0	5.4
NE	.9	1.1	.2									2.2	4.0
ENE	1.1	1.2	.1									2.4	3.6
E	.8	1.0	.3									2.1	4.5
ESE	.8	.1										.9	2.6
SE	.3	.8		.1								1.2	4.9
SSE	1.0	1.9	.7									3.6	4.8
S	1.9	6.8	4.6	2.3	.3							15.9	7.1
SSW	.9	3.2	5.1	1.6								10.8	7.6
SW	.1	1.4	4.4	1.0								7.0	8.2
WSW	.9	.7	1.3	1.0								3.9	7.4
W	.7	2.1	2.0	1.2	.1							6.1	7.7
WNW	.4	2.2	3.3	1.9								7.9	8.2
NW	.9	3.2	3.3	1.4	.2							9.1	7.6
NNW	1.2	2.4	2.3	1.0								7.0	6.7
VARBL													
CALM												7.2	
	15.8	32.7	31.0	12.6	.8							100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1473  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.1	3.2	1.8	.1								8.2	4.8
NNE	.8	1.6	.2	.1								2.7	4.9
NE	1.6	1.0	.1									2.7	3.4
ENE	.7	.3										1.0	2.7
E	1.2	.7	.2									2.1	3.5
ESE	1.3	.1										1.4	2.5
SE	.8	.2										1.0	2.6
SSE	1.9	1.8	.7									4.3	4.2
S	3.6	9.2	5.1	1.2								19.1	5.9
SSW	1.1	3.1	1.7	.7								6.6	6.2
SW	.6	1.4	1.0									3.0	5.4
WSW	.6	.9	.4									1.9	5.3
W	.7	1.1	.4	.3	.1							2.7	6.3
WNW	.8	2.9	1.4	.2	.1							5.4	6.0
NW	1.0	3.3	1.6	.4								6.3	5.8
NNW	2.3	1.6	1.0									4.9	4.3
VARBL													
CALM												26.7	
	21.9	32.4	15.7	3.1	.2							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14713 WESTOVER AFB MA 69-70,73-80 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	4.4	4.1	1.3	.2								9.9	4.2
NNE	.9	.3	.8									2.0	4.8
NE	.6	.2										.8	2.8
ENE	.8	.3	.2									1.3	3.8
E	.5	.2										.6	2.8
ESE	.3	.2										.5	3.7
SE	.9	.2										1.1	2.1
SSE	2.5	1.1		.3								3.9	3.5
S	6.6	7.7	3.5	.6								18.4	4.7
SSW	1.7	1.6	.6	.3								4.2	5.0
SW	.3	1.1	.5	.3								2.2	6.6
WSW	.3		.5									.8	6.0
W	.6	.3	.5									1.4	4.8
WNW	.5	.9	1.1	.2								2.7	7.1
NW	.6	1.1	1.3	.5								3.5	6.6
NNW	1.1	1.7	.8	.2								3.8	5.1
VARBL													
CALM												42.9	
	22.8	20.9	10.8	2.5								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 636

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
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	3.3	4.2	2.7	.7								11.0	5.4
NNE	1.2	1.4	.7	.1	.0							3.5	4.9
NE	1.1	.8	.3									2.1	3.9
ENE	.9	.6	.2	.0								1.7	3.8
E	.7	.4	.2	.0								1.4	3.9
ESE	.6	.1	.0	.0	.0							.8	3.3
SE	.7	.4	.1	.0								1.1	3.9
SSE	1.1	.9	.3	.1	.0							2.5	4.6
S	3.2	5.5	3.1	1.3	.1							13.2	6.0
SSW	1.3	2.6	3.0	1.0								8.0	6.8
SW	.8	1.3	1.6	.5	.0							4.2	6.6
WSW	.8	.6	.6	.2								2.2	5.6
W	.8	1.1	.8	.5	.1							3.4	6.7
WNW	.6	1.5	1.5	.9	.1							4.6	7.6
NW	.7	1.7	2.0	.7	.0							5.3	7.2
NNW	1.4	1.8	1.5	.4	.0							5.1	5.9
VARBL													
CALM												30.0	
	19.4	25.1	18.6	6.5	.5							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 6151

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ATR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.0	1.9	3.4	.2								8.6	5.5
NNE	.9	.9	1.1									2.8	5.8
NE	1.3	.6	1.3									3.2	5.5
ENE	.6	.4	.6	.2								1.9	6.0
E	1.1	.6	.2									1.9	3.7
ESE	.2	.2										.4	3.0
SE	.2											.2	1.0
SSE	1.7		.2									1.9	2.6
S	1.7	4.3	1.1									7.1	4.6
SSW	1.5	.6	1.3									3.4	5.1
SW		1.3	.2									1.5	5.0
WSW	.9	.4										1.3	3.3
W	.6	.9	.4									1.9	4.3
WNW	.6	.2	.2									1.1	4.2
NW	.6	1.1	1.3	.4	.2							3.7	7.2
NNW	1.1	.9	1.3	.4								3.7	6.3
VARBL													
CALM												55.3	
	16.1	14.4	12.7	1.3	.2							100.0	2.3

TOTAL NUMBER OF OBSERVATIONS 465

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14713  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70, 73-75  
 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	2.2	4.1	3.0									9.2	5.4
NNE	.6	.4	1.3									2.4	6.3
NE	1.1	.4	1.1	.2								2.8	5.9
ENE	.4	.6	.2									1.3	3.8
E	.2	.4	.6									1.3	6.0
ESE	.2	.2	.2									.6	5.0
SE	.2											.2	2.0
SSE	1.1											1.1	1.8
S	1.1	3.7	1.7									6.5	5.3
SSW	1.7	.2	.2	.2								2.4	4.2
SW	.4	2.2										2.6	3.8
WSW	.4	.2										.6	3.0
W	.6	.2	.2									1.1	3.8
WNW	.4		.2	.2								.9	6.3
NW	.2	1.1	1.1	.2								2.6	6.6
NNW	.2	.9	.9	.2								2.2	6.2
VARBL													
CALM												62.4	
	11.2	14.6	10.8	1.1								100.0	2.0

TOTAL NUMBER OF OBSERVATIONS 465

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
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	3.0	3.8	2.5	.8	.1							10.2	5.7
NNE	2.1	.7	.7	.2								3.6	4.5
NE	1.4	1.0	.8	.2								3.4	5.1
ENE	1.0	.3	.1									1.4	3.1
E	.5	.2	.5	.1								1.4	5.2
ESE	.3	.3										.7	3.0
SE	.3	.2										.5	3.2
SSE	1.0	.2	.1									1.3	2.6
S	3.0	2.4	2.1	.2								7.7	5.1
SSW	1.6	2.2	1.2	.2								5.2	5.3
SW	.3	.7	.4	.5								2.0	7.7
WSW		.9	.8	.1	.1							1.9	7.5
W	.3	.3	1.3	.7	.1	.1						2.8	9.1
WNW	.3	.7	1.0	.4	.1							2.5	8.0
NW	1.1	.8	1.4	.5								3.8	6.5
NNW	1.5	1.4	.5	.3								3.8	5.2
VARBL													
CALM												47.8	
	17.8	16.1	13.4	4.4	.4	.1						100.0	3.0

TOTAL NUMBER OF OBSERVATIONS

915

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703 WESTOVER AFB MA 69-70,73-80 OCT  
STATION STATION NAME YEARS MONTH  
 ALL WEATHER 0900-1100  
CLASS MONTHS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 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	3.0	6.5	1.7	.4	.1						15.1	7.3
NNE	1.4	2.0	1.9	.3								5.7	6.0
NE	.4	.6	.9	.4								2.4	6.9
ENE	.5	.3	.6	.1								1.6	5.8
E	1.0	.9	.8	.1								2.7	5.1
ESE	.3	.3	.2									.9	5.0
SE	.4	.5	.2									1.2	4.9
SSE	.3	.4	.2	.1								1.1	5.6
S	1.7	1.2	2.8	1.2								6.9	7.1
SSW	2.4	3.4	3.3	1.6	.1							10.9	6.8
SW	1.4	2.0	1.8	.3	.1							5.7	5.9
WSW	1.3	1.3	.6	.4	.1							3.8	6.0
W	1.8	1.2	1.0	1.7	.1							5.8	7.4
WNW	1.4	.8	1.1	3.5	.3							7.1	10.0
NW	.8	.8	1.8	1.2	.4							4.9	9.2
NNW	1.1	2.5	2.5	.8	.1							6.9	7.0
VARBL													
CALM												17.5	
	19.6	21.3	26.2	13.5	1.7	.1						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 930



2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

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

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	3.1	4.1	1.5	.2	.1						11.0	7.4
NNE	.5	1.3	1.4	.5								3.8	7.0
NE	1.0	.9	1.1	.4								3.3	5.9
ENE	.4	.6	1.1	.1								2.3	6.5
E	.6	1.0	1.1	.3								3.0	6.4
ESE	.3		.2									.5	5.2
SE	.2	.2	.1	.1								.6	6.0
SSE	.9	.1	.5	.2	.1							1.8	6.2
S	.8	1.7	4.3	2.4	.2							9.4	8.8
SSW	1.2	2.9	3.5	2.2	.2							10.0	8.1
SW	2.4	2.2	2.4	.8								7.6	5.9
WSW	1.9	1.2	1.2	.6		.1						5.1	6.3
W	1.9	1.2	2.7	2.4	.6							8.8	8.8
WNW	1.2	1.6	3.2	3.7	.6							10.3	9.7
NW	1.8	1.1	2.7	2.8	.2							8.6	8.6
NNW	1.0	1.5	2.4	1.8								6.7	8.0
VARBL													
CALM												7.2	
	18.1	20.5	31.9	19.8	2.3	.2						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703 WESTOVER AFB MA 69-70, 73-80 OCT

ALL WEATHER  
CLASS  
CONDITION

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	2.7	3.0	1.2	.3							9.1	7.1
NNE	.4	.4	1.3	.3	.1							2.6	7.8
NE	.5	1.0	1.2	.1								2.8	6.3
ENE	.5	1.1	.8	.1								2.5	5.4
E	1.0	.9	.5	.2								2.6	5.1
ESE	.3	.5	.3	.1								1.3	6.0
SE	.6	.5	.2	.1								1.5	4.6
SSE	1.1	1.1	.6									2.8	4.6
S	1.8	3.4	5.5	2.7		.2						13.7	7.7
SSW	1.4	2.7	3.1	1.1	.3							8.6	7.4
SW	1.1	.8	1.6	.5								4.0	6.7
WSW	.8	1.4	1.1	.4								3.7	6.1
W	1.4	1.3	2.6	.9		.1						6.2	7.4
WNW	.9	1.8	3.9	3.8	.6							11.0	9.7
NW	1.2	1.9	3.3	2.2	.4							9.0	8.5
NNW	1.1	1.3	1.5	1.1	.1							5.1	7.6
VARBL													
CALM												13.7	
	16.0	22.8	30.5	14.7	1.9	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14723 WESTOVER AFB MA 69-70,73-80 OCT  
STATION STATION NAME YEARS MONTH  
 ALL WEATHER 1800-2000  
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	1.0	2.3	1.4	1.4	.1							6.1	7.3
NNE	1.3	.8	.5	.2								2.8	4.8
NE	1.3	1.1	.4									2.8	4.2
ENE	1.3	.5	.3									2.2	4.0
E	1.4	.8	.5	.1								2.8	4.5
ESE	.5	1.0	.1									1.6	4.1
SE	.4	.8	.3									1.5	4.9
SSE	1.6	1.4	.6									3.7	4.3
S	2.7	6.6	4.5	1.1	.1							14.9	6.0
SSW	1.4	2.6	.9	.1								4.9	4.9
SW	.8	1.3	.2	.2								2.5	5.5
WSW	.9	.8	.2	.1	.1							1.9	5.2
W	.8	2.0	1.0	.4								4.2	5.7
WNW	1.0	2.2	2.7	.4	.3							6.6	7.2
NW	1.3	3.1	2.4	1.3	.1							8.2	6.8
NNW	1.8	1.1	1.1	.3								4.3	5.5
VARBL													
CALM												29.0	
	19.2	28.1	17.2	5.7	.8							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

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

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.0	2.0	2.0	1.6	.2							7.9	6.8
NNE	.9	.8	.5									2.2	4.4
NE	.9	.6	.8									2.4	5.1
ENE	.8	.8	.3	.3								2.2	5.6
E	1.6	.9	.6									3.1	4.4
ESE	.3	.5	.2									.9	4.7
SE	.9	.5										1.4	2.9
SSE	1.6	1.3	.2	.2								3.1	3.9
S	2.7	4.9	1.4	.3								9.3	4.9
SSW	2.0	2.8	1.3	.2								0.3	5.2
SW	1.1	.8	.5	.2								2.5	4.6
WSW	.2	.6	.2									.9	5.3
W	.9	1.7	.8	.3								3.8	5.5
WNW	.9	1.1	1.6									3.6	5.6
NW	1.3	1.4	1.7	.5								4.9	6.2
NNW	1.4	1.1	1.3	.5								4.2	6.1
VARBL													
CALM												41.2	
	19.7	21.9	13.2	3.9	.2							100.0	3.1

TOTAL NUMBER OF OBSERVATIONS

636

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

OCT  
MONTH

ALL WEATHER

ALL

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	2.3	2.9	3.3	1.2	.2	.0						9.8	6.7
NNE	1.1	1.0	1.1	.2	.0							3.4	5.9
NE	1.0	.8	.9	.2								2.9	5.6
ENE	.7	.6	.5	.1								2.0	5.2
E	.9	.7	.6	.1								2.4	5.1
ESE	.3	.4	.2	.0								.9	4.7
SE	.4	.4	.1	.0								1.0	4.4
SSE	1.1	.6	.4	.1	.0							2.1	4.3
S	2.0	3.4	3.2	1.2	.0	.0						9.8	6.6
SSW	1.6	2.4	2.0	.8	.1							7.0	6.5
SW	1.0	1.4	1.0	.4	.0							3.8	5.9
WSW	.8	.9	.6	.3	.0	.0						2.7	6.0
W	1.1	1.2	1.4	.9	.1	.0						4.8	7.4
WNW	.9	1.2	2.0	1.8	.3							6.1	8.9
NW	1.1	1.5	2.1	1.3	.2							6.1	7.8
NNW	1.2	1.4	1.5	.7	.0							4.9	6.7
VARBL													
CALM												30.2	
	17.6	20.7	21.0	9.3	1.1	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

6201

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

USE WITH CAUTION  
 SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70, 73-75

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

0000-0200

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	1.8	4.0	4.2	1.1								11.1	6.6
NNE	1.1	.7	1.1	.2								3.1	5.6
NE	.7	.7	.4	.2								2.0	5.6
ENE	1.6	1.1	.2									2.9	3.6
E	1.1	.7	.9									2.7	4.8
ESE	.2	.4										.7	3.7
SE	.2	.2										.4	3.0
SSE	1.3	.4		.7								2.4	5.0
S	2.4	2.9	1.6									6.9	4.6
SSW	1.6	3.3	.2	.2								5.3	4.7
SW	.7	.4	.2									1.3	4.2
WSW	.7	1.1	.2									2.0	4.4
W	.4	1.6	2.2	.4								4.7	7.3
WNW	.7	.9	3.1	1.3	.2							6.2	8.6
NW	1.3	1.6	1.3	.7	.7							5.6	7.4
NNW	.9	1.6	1.1	.7	.2							4.4	7.5
VARBL													
CALM												38.2	
	16.7	21.6	16.9	5.6	1.1							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

450

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

WITH CAUTION  
 SEE FIRST PAGE

14703 STATION WESTOVER AFB MA STATION NAME 69-70,73-75 YEARS NOV MONTH

ALL WEATHER

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

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	1.6	4.0	.9								10.4	6.1
NNE	.7	1.8	1.1	.4								4.0	5.9
NE	.9	.9	.2									2.0	3.7
ENE	.9	.4										1.3	3.0
E	2.0	.9		.2								3.1	3.5
ESE	.7	.7	.4									1.8	4.6
SE	.9											.9	2.0
SSE	.9	.7										1.6	3.7
S	1.6	1.3	1.1	.4								4.4	5.6
SSW	.9	1.6	.9	.2								3.6	5.4
SW	1.6	.9	.7									3.1	4.1
WSW	.4	1.1	.2									1.8	4.9
W	.9	.9	.9	.2								2.9	6.2
WNW	1.1	1.8	2.2	2.2								7.3	8.2
NW	1.1	1.6	2.0	1.8	.7							7.1	8.8
NNW	.9	1.6	.9	.9	.2							4.4	7.5
VARBL													
CALM												40.2	
	19.3	17.6	14.7	7.3	.9							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS 450

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA 69-70, 73-80 NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

3600-0800

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	4.4	2.8	.7								10.0	5.9
NNE	1.9	1.1	.4									3.3	3.7
NE	1.6	.4										2.0	2.6
ENE	.7	.3	.4									1.3	4.6
E	.7	.5	.3									1.5	3.8
ESE	.4	.7	.3									1.3	4.6
SE	.1		.3									.4	7.0
SSE	1.3	.5										1.9	2.9
S	1.9	2.3	2.1	.8								7.1	6.1
SSW	1.3	1.6	1.6	.3								4.8	5.5
SW	.1	1.2	1.3									2.7	6.5
WSW	.4	.5	.3									1.2	4.9
W	.3	2.4	1.6	.8								5.1	7.2
WNW	.4	1.1	3.1	1.2		.1						5.9	8.9
NW	.9	1.1	2.8	1.5	.4							6.7	8.8
NNW	1.5	1.5	1.6	.4								4.9	5.8
VARBL													
CALM												40.1	
	15.6	19.4	18.8	5.6	.4	.1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS

751



2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14703 STATION ESTOVER AFB MA 69-70,73-80 YEARS NOV MONTH  
 STATION NAME CLASS ALL WEATHER HOURS (L.S.T.) 0900-1100  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	3.1	4.8	4.8	1.9								14.6	6.6
NNE	.7	.8	1.1	.2								2.8	6.4
NE	.4	.7	.6									1.7	5.0
ENE	.9	.8	.1	.2								2.0	4.8
E	.4	1.1	.3									1.9	5.2
ESE	.6	.6										1.1	3.7
SE	.6	.6	.4	.2								1.8	5.9
SSE	.6	.2	.2	.1								1.1	5.4
S	1.9	1.4	2.4	1.2	.1							7.1	7.0
SSW	1.8	2.3	2.9	1.6		.1						8.7	7.3
SW	1.9	1.3	1.7	.4								5.3	5.7
WSW	.8	.8	1.8	.4								3.8	6.9
W	1.1	1.4	1.6	2.2	.2							6.6	8.4
WNW	.7	.6	2.9	3.4	.6							8.1	10.7
NW	1.1	1.8	1.9	2.4	.7	.1						8.0	9.3
NNW	.7	1.8	2.0	1.4	.1	.1						6.1	8.4
VARBL													
CALM												19.4	
	17.1	20.9	24.7	15.9	1.7	.3						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14773 WESTOVER AFB MA 69-70,73-80 NOV  
STATION NORTH

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	4.0	3.1	1.4	.2							11.0	6.7
NNE	1.2	1.3	.8									3.3	4.5
NE	.8	.6	.7	.1								2.1	5.6
ENE	.4	.7	.7									1.8	5.3
E	1.0	.8	.4	.1	.1							2.4	5.2
ESE	.2	.6										.8	4.0
SE	.6	.9	.7									2.1	5.3
SSE	.4	.7	.6	.2	.2							2.1	7.9
S	1.1	2.7	3.4	2.2	.1	.2						9.8	8.4
SSW	1.4	2.4	3.0	1.4	.4							8.8	7.9
SW	1.8	2.2	1.3	1.1								6.4	6.4
WSW	1.0	1.0	1.0	.3	.2							3.6	7.0
W	1.8	1.4	2.7	3.1	.4							9.4	8.9
WNW	1.6	.8	3.7	5.9	.8							12.7	10.6
NW	.8	1.1	2.4	4.7	1.0	.1						10.1	10.8
NNW	.4	1.6	1.8	1.9	.6							6.2	9.5
VARBL													
CALM												7.3	
	16.8	22.7	26.2	22.6	4.1	.3						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 900

2  
 GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

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

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	3.3	1.3	.9								8.3	5.6
NNE	.8	1.3	.6	.1								2.8	5.2
NE	.9	1.0	.4	.1								2.4	4.7
ENE	.8	.6	.7									2.0	4.9
E	1.3	1.8	.2									3.3	4.1
ESE	.3	.4										.8	4.0
SE	.6	.1	.7									1.3	5.8
SSE	.7	.9	.3	.1	.2							2.2	6.6
S	2.0	2.8	4.3	3.1	.2							12.4	8.0
SSW	1.1	2.3	1.9	.9								6.2	6.8
SW	.6	1.6	.8	.9								3.8	7.2
WSW	.6	1.1	1.3	.7								3.7	7.0
W	1.2	1.8	2.8	2.0	.2							8.0	8.1
WNW	.6	2.3	4.8	4.1	.3							12.1	9.6
NW	1.2	2.4	4.3	3.8	1.1							12.9	9.5
NNW	.9	1.8	1.1	1.8		.1						5.7	8.2
VARBL													
CALM												12.0	
	16.2	25.6	25.6	18.4	2.1	.1						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1973  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	2.3	2.9	.6								9.3	5.5
NNE	.8	.7	.3	.1								1.9	4.7
NE	1.0	.7	.4									2.1	4.4
ENE	.7	.9	.3	.1								2.0	5.2
E	1.3	2.0	.7									4.0	4.6
ESE	.4	.6										1.0	3.8
SE	1.1	.2										1.3	2.4
SSE	.8	1.2	.7	.1	.1							2.9	5.7
S	2.8	3.8	3.8	.8	.2							11.3	6.1
SSW	.3	1.7	1.6	.9	.1							4.6	7.6
SW	.8	.7	1.0	.2								2.7	6.4
WSW	.2	1.4	1.1									2.8	6.3
W	.7	2.1	2.1	.9								5.8	6.9
WNW	.9	2.6	2.3	2.6	.7	.1						9.1	9.4
NW	1.2	1.7	2.7	2.3	.3							8.2	8.6
NNW	1.7	1.7	1.0	1.0	.2							5.6	6.8
VARBL													
CALM												25.4	
	18.2	24.1	20.9	9.6	1.7	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

900

2  
 GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
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	3.2	3.2	3.3	.9								10.7	6.0
NNE	1.1	.1	.4	.3								1.9	4.9
NE	.9	1.1	.5									2.5	4.4
ENE	1.7	.9	.1									2.8	3.3
E	.7	1.1	.4									2.1	4.6
ESE	.5		.1									.7	3.4
SE	.3	.4										.7	3.0
SSE	1.6	.5	.3	.4								2.8	4.8
S	3.3	4.3	1.9	.9								10.4	5.5
SSW	1.3	2.3	1.9	.3								5.7	5.8
SW	.3	.8	.5									1.6	5.8
WSW	.5	1.1	.5									2.1	5.1
W	.3	1.3	1.2	.9	.3							4.0	8.4
WNW	.8	1.6	2.4	2.3		.1						7.2	8.7
NW	.8	2.1	2.4	.9	.3							6.5	7.8
NNW	1.6	1.7	1.9	.8	.3							6.3	7.0
VARBL													
CALM												31.9	
	19.0	22.6	17.9	7.7	.8	.1						100.0	4.2

TOTAL NUMBER OF OBSERVATIONS

749

12

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

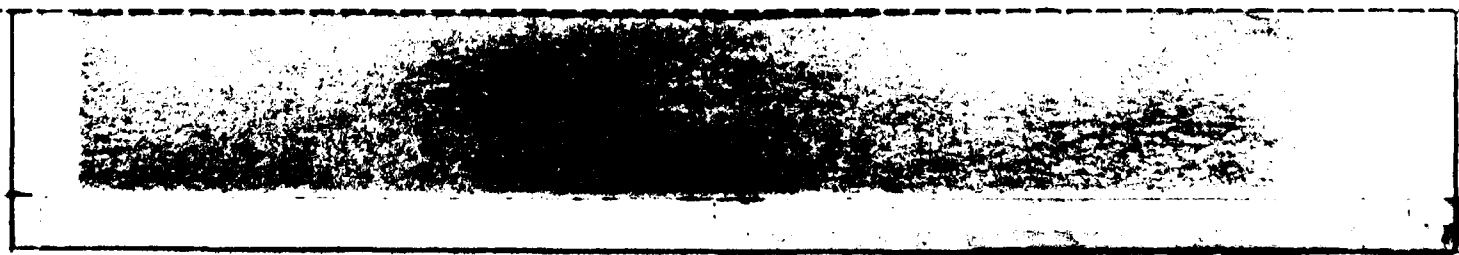
**SURFACE WINDS**

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

STATION: 1473 WESTOVER AFB MA STATION NAME: WESTOVER AFB MA YEARS: 69-70, 73-80 MONTH: NOV  
 CLASS: ALL WEATHER HOURS (L.S.T.): ALL  
 CONDITION: \_\_\_\_\_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	3.5	3.2	1.1	.0							10.7	6.2
NNE	1.0	.9	.7	.1								2.8	5.1
NE	.9	.7	.4	.0								2.1	4.5
ENE	.9	.7	.3	.0								2.0	4.4
E	1.0	1.2	.4	.0	.0							2.6	4.5
ESE	.4	.5	.1									1.0	4.0
SE	.5	.3	.3	.0								1.2	4.7
SSE	.9	.7	.3	.2	.1							2.1	5.5
S	2.1	2.7	2.8	1.3	.1	.0						9.1	6.8
SSW	1.2	2.2	1.9	.8	.1	.0						6.2	6.8
SW	1.0	1.2	1.0	.4								3.6	6.1
WSW	.6	1.0	.9	.2	.0							2.8	6.3
W	.9	1.7	1.9	1.5	.2							6.2	8.0
WNW	.8	1.5	3.1	3.1	.4	.0						8.9	9.6
NW	1.7	1.7	2.6	2.5	.6	.0						8.5	9.2
NNW	1.1	1.6	1.5	1.2	.2	.0						5.6	7.7
VARBL													
CALM												24.5	
	17.3	22.2	21.5	12.6	1.7	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 6000



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-75  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	3.6	8.4	3.9	2.5	.9	.2						19.5	7.2
NNE	2.7	.2	1.4									4.3	4.4
NE	1.8		.5	.7								2.9	5.8
ENE	.9	.2										1.1	3.2
E			.7									.7	8.3
ESE													
SE	.9											.9	2.3
SSE	.5											.5	2.5
S	.7	3.2	.9	.2	.2							5.2	6.4
SSW	1.4	1.6	.7	.9	.5							5.0	7.7
SW	.9	.7										1.6	3.3
WSW	.5	.2										.7	4.0
W	.7	1.1	1.1	.7	.2							3.9	7.9
WNW	1.1	1.1	1.4	.9								4.5	6.6
NW	.9	1.8	2.5	2.0								7.3	7.7
NNW	1.4	2.9	1.4	2.0								7.7	7.3
VARBL													
CALM												34.2	
	17.9	21.5	14.3	10.0	1.8	.2						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 441

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70,73-75

DEC

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	2.7	7.3	4.3	2.5	.5	.2						17.5	7.2
NNE	2.0	1.4	.2									3.6	3.4
NE	.5	1.1		.9	.2							2.7	8.4
ENE	.7	.5		.2								1.4	4.7
E	.2	.2	.5									.9	6.8
ESE													
SE		.2										.2	6.0
SSE	.5	.2										.7	2.7
S	1.4	1.1	2.3	.2	.2							5.2	6.7
SSW	1.1	1.8	.9	.5	.2							4.5	6.1
SW	.5	1.4										1.8	4.3
WSW		.7										.7	5.3
W	.7	1.8	.7	.9	.5							4.5	7.9
WNW	.7	1.6	1.4	1.1	.5							5.2	8.9
NW	1.4	2.5	2.0	1.4								7.3	6.6
NNW	1.8	2.7	3.4	1.4								9.3	7.0
VARBL													
CALM												34.5	
	14.1	24.5	15.6	9.1	2.0	.2						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

441



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

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

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.7	6.4	3.7	1.7	.4							15.0	6.7
NNE	1.1	.9	.8	.3								3.1	5.7
NE	.7	.5	.4	.8								2.4	7.2
ENE	.1			.1	.1							.4	12.3
E	.4		.3	.1								.8	6.2
ESE													
SE	.3	.3										.5	3.3
SSE	1.2	.7	.1	.3								2.3	4.4
S	1.2	2.4	2.8	.3								6.7	6.3
SSW	.4	1.2	1.3	.3								3.2	7.1
SW	.4	.7	.3									1.3	5.3
WSW	.1	.4	.1									.7	5.0
W	.1	1.2	.9	1.5	.3	.1						4.1	10.1
WNW	.9	1.5	2.1	3.1	1.1	.1						8.8	10.4
NW	1.9	2.9	.7	1.3	.4							7.2	6.7
NNW	1.7	2.5	1.9	1.2	.1							7.5	6.7
VARBL													
CALM												35.9	
	13.3	21.7	15.5	11.0	2.4	.3						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

747

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.8	6.1	6.9	1.6	.4							17.8	6.8
NNE	.8	.8	1.1	.3								3.0	6.6
NE	.3	.3	.3	.6								1.6	8.6
ENE	.2	.3	.4									1.0	5.9
E		.3	.3									.7	6.7
ESE	.1											.1	2.0
SE			.1									.1	7.0
SSE	.2		.3	.3								.9	9.6
S	1.1	2.0	2.9	1.4								7.4	7.5
SSW	.8	2.0	2.2	.6								5.6	6.9
SW	1.3	1.8	1.7	.1								4.9	5.6
WSW	.9	.1	.3	.3								1.7	5.5
W	.4	1.1	.9	1.3	.4							4.2	9.9
WNW	.4	1.9	3.1	4.4	1.8	.4	.1					12.2	11.9
NW	1.0	2.2	3.1	2.6	1.0							9.9	9.6
NNW	1.0	2.1	2.1	1.3	.2							6.8	7.6
VARBL													
CALM												22.2	
	11.4	21.1	25.9	14.9	3.9	.4	.1					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

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

ALL WEATHER  
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	7.0	7.3	2.0	.3	.1						19.3	7.0
NNE	.4	1.2	.3	.6	.1							2.7	7.2
NE	.1	.6	.1	.2								1.0	7.6
ENE	.2	.1	.2	.1								.7	6.7
E	.2	.1	.3	.1								.8	7.0
ESE		.1	.2									.3	7.7
SE	.4											.4	2.3
SSE	.2	.2	.2	.1								.8	6.3
S	.4	1.4	4.0	2.7	.2							8.8	9.2
SSW	.8	1.9	2.6	1.9	.2							7.3	8.5
SW	1.4	.8	.8	.3								3.3	5.6
WSW	.8	.3	.4	.3								1.9	6.4
W	.7	1.1	2.3	2.2	.7	.3						7.3	10.6
WNW	.7	1.4	3.1	5.3	1.7	.6						12.8	12.0
NW	.7	1.9	4.4	3.6	2.1	.3						13.0	11.2
NNW	1.7	1.9	2.9	2.0	.2	.1						8.8	8.1
VARBL													
CALM												10.8	
	11.3	20.1	29.3	21.4	5.6	1.4						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

1473  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
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	3.9	5.8	3.0	1.7	.3							14.7	6.0
NNE	.8	1.5	.6	.3								3.1	5.8
NE	.9	.4	.3	.1								1.8	4.8
ENE	.6	.8	.6	.2								2.1	5.8
E	.2	.2		.1	.1							.7	6.8
ESE		.1										.1	6.0
SE	.4	.1										.6	2.8
SSE	.3	.9	1.7	.1								2.3	6.3
S	1.6	2.0	4.4	1.7	.1							9.7	7.4
SSW	.4	1.8	2.0	.2	.1							4.6	6.8
SW	.4	.8	.7	.3								2.2	7.0
WSW	.1	1.1	.4	.2	.1							2.0	7.1
W	.4	2.3	1.6	1.6	.6	.1						6.6	9.0
WNW	.6	1.7	4.2	4.4	1.7	.7						12.5	11.3
NW	1.8	1.8	3.0	4.4	1.7	.2						12.8	10.5
NNW	1.1	3.2	2.7	1.6	.1							8.7	7.1
VARBL													
CALM												15.4	
	13.6	24.6	24.4	16.9	4.1	1.0						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 896

1  
2  
3

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
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	2.8	4.5	3.5	1.6	.3							12.8	6.5
NNE	1.7	.7		.3								2.7	4.2
NE	1.0	.7	.2									1.9	3.9
ENE	.5	.2	.6									1.2	5.3
E	.7	.1										.8	2.7
ESE	.3											.3	2.3
SE	.6	.2	.2									1.0	3.9
SSE	1.7	1.2	.7		.1							3.0	5.1
S	.7	3.4	3.8	.6	.1							8.6	6.9
SSW	1.0	1.6	1.0	.5	.1							4.2	6.4
SW	.1	1.0	.3									1.5	5.5
WSW	.6	.7	.9	.1	.1							2.4	6.8
W	1.5	2.3	1.5	1.5	.1	.1						6.9	7.3
WNW	.8	2.5	2.8	2.9	1.4	.3	.1					10.8	10.4
NW	1.6	1.9	3.6	2.4	.6	.1						10.2	8.8
NNW	1.6	.9	2.0	.8	.3							5.6	7.5
VARBL													
CALM												26.1	
	16.4	21.9	21.2	10.6	3.2	.6	.1					100.0	5.4

TOTAL NUMBER OF OBSERVATIONS

886

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ATD WEATHER SERVICE/MAC

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

**SURFACE WINDS**

USE WITH CAUTION  
 SEE FIRST PAGE

14713 WESTOVER AFB MA  
STATION STATION NAME

69-70, 73-80  
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	3.5	5.2	4.0	1.2	.4							14.4	6.5
NNE	1.3	.8	.7	.1								3.0	5.1
NE	1.3	.5	.7	.4								3.0	5.5
ENE	.3	.1										.4	2.7
E	.1	.3	.1									.5	5.5
ESE	.1	.1										.3	3.0
SE	.5	.1	.3	.1								1.1	5.3
SSE	.5	.7										1.2	4.2
S	.9	2.7	2.6	1.1								7.3	7.1
SSW	.9	1.5	.9	.4	.1							3.9	6.3
SW	.4	1.3	.8	.1								2.7	5.8
WSW	.3	.4	1.1	.1								1.9	6.9
W	.7	1.5	1.3	.8	.1							4.4	7.6
WNW	.8	1.5	3.9	2.3	1.3	.3						10.1	10.3
NW	.5	2.3	2.3	1.7	.3	.1						7.3	8.6
NNW	1.1	1.9	2.7	.9								6.6	7.0
VARBL													
CALM												32.1	
	13.4	21.0	21.4	9.4	2.3	.4						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 744

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SURFACE WINDS**

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

14703 STATION WESTOVER AFB MA STATION NAME 69-70,73-80 YEARS MONTH DEC  
 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	6.1	4.7	1.8	.4	.1						16.1	6.7
NNE	1.2	1.0	.6	.3	.0							3.1	5.4
NE	.8	.5	.3	.4	.0							2.0	6.2
ENE	.4	.3	.3	.1	.0							1.0	5.6
E	.3	.2	.2	.1	.0							.7	6.0
ESE	.1	.1	.0									.2	4.4
SE	.4	.1	.1	.0								.6	3.8
SSE	.6	.5	.4	.1	.0							1.6	5.5
S	1.0	2.3	3.2	1.2	.1							7.7	7.4
SSW	.8	1.7	1.6	.7	.1							4.9	7.1
SW	.7	1.1	.7	.1								2.6	5.6
WSW	.4	.5	.5	.2	.0							1.6	6.4
W	.7	1.6	1.4	1.4	.4	.1						5.5	9.0
WNW	.7	1.7	3.0	3.4	1.2	.4	.0					10.4	11.0
NW	1.2	2.1	2.8	2.6	.9	.1						9.8	9.3
NNW	1.4	2.2	2.4	1.4	.2	.0						7.5	7.3
VARBL													
CALM												24.8	
	13.6	21.9	22.0	13.6	3.4	.6	.0					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 5955

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-81  
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	2.6	3.7	3.2	1.4	.2	.0						11.1	6.6
NNE	1.1	1.2	.9	.3	.1	.0						3.5	5.8
NE	.9	.8	.5	.2	.0	.0						2.4	5.2
ENE	.7	.6	.4	.1	.0	.0						1.8	5.0
E	.7	.7	.4	.1	.0	.0						1.9	4.8
ESE	.5	.3	.1	.0	.0							.9	4.3
SE	.5	.4	.2	.0	.0							1.1	4.4
SSE	1.0	.8	.4	.1	.0	.0						2.4	4.9
S	2.3	4.0	3.7	1.7	.2	.0	.0					11.9	6.9
SSW	1.3	2.4	2.5	1.2	.1	.0	.0					7.6	7.2
SW	.8	1.4	1.1	.5	.0	.0						3.8	6.6
WSW	.6	.9	.7	.3	.0	.0						2.5	6.5
W	.8	1.4	1.5	1.0	.2	.0	.0					5.0	7.9
WNW	.7	1.5	2.3	2.5	.6	.1	.0					7.6	10.0
NW	1.0	1.7	2.5	2.2	.5	.1	.0	.0				8.1	9.1
NNW	1.1	1.6	1.7	1.0	.1	.0						5.6	7.3
VARBL													
CALM												22.8	
	16.7	23.3	22.3	12.5	2.1	.3	.0	.0				100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 72668



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

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

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-81  
YEARS

ALL  
MONTH

INSTRUMENT  
CLASS

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

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

ALL  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.2	6.4	4.8	1.5	.3	.0						17.2	6.2
NNE	1.7	2.0	1.6	.4	.1	.0						5.9	6.0
NE	1.1	1.7	1.4	.4	.0							4.6	6.1
ENE	1.0	1.4	1.1	.2	.0	.0						3.7	5.8
E	1.1	1.2	.8	.1	.0							3.2	5.2
ESE	.6	.7	.2	.0	.0							1.5	4.7
SE	.8	.6	.2	.1								1.7	4.4
SSE	1.1	1.5	.7	.2	.1							3.5	5.3
S	3.2	6.3	5.2	1.9	.2	.1						16.9	6.7
SSW	1.6	2.7	2.6	1.0	.1	.0						7.9	6.6
SW	.7	.9	.5	.1								2.2	5.1
WSW	.3	.4	.1	.0	.0							.9	4.8
W	.4	.2	.2	.0	.0							.8	4.8
WNW	.2	.3	.1	.1	.0							.8	7.0
NW	.6	.4	.2	.1	.0	.0						1.3	5.1
NNW	1.3	1.1	.6	.3	.0	.0						3.4	5.3
VARBL													
CALM												24.6	
	19.9	27.7	20.2	6.5	1.0	.2						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

9572

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)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{5}{16}$	$\geq \frac{1}{4}$	$\geq 0$	
NO CEILING																
IV 1800																
IV 1500					91.0											92.6
IV 1200																
IV 1000																
IV 900																
IV 800																
IV 700																
IV 600																
IV 500										97.4						98.1
IV 400																
IV 300																
IV 200																
IV 100																
IV 0					95.4		96.9			98.3						100.0

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

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

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

ADDITIONAL EXAMPLES

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
 SEE FIRST PAGE

14 703

WESTOVER AFB MA

70, 73-76, 80

JAN

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	45.5	47.9	48.1	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.7	48.7	48.7
≥ 20000	48.3	50.6	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.5	51.5	51.5
IV 18000	48.3	50.6	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.5	51.5	51.5
IV 16000	48.3	50.6	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.5	51.5	51.5
IV 14000	48.7	51.1	51.7	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.4	52.4	52.4
IV 12000	48.9	51.3	51.9	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.6	52.6	52.6
IV 10000	50.9	53.2	53.9	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.5	54.5	54.5
IV 9000	51.7	54.3	55.2	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.8	55.8	55.8
IV 8000	54.5	57.5	58.4	58.6	59.0	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.4	59.4	59.4
IV 7000	56.2	59.2	60.1	60.3	60.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.2	61.2	61.2
IV 6000	58.6	61.6	62.7	62.9	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.7
IV 5000	67.7	64.4	65.9	66.1	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.0	67.0	67.0
IV 4500	62.0	65.7	67.2	67.4	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.2	68.2	68.2
IV 4000	63.9	67.8	69.5	69.7	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6	70.6	70.6
IV 3500	65.7	69.5	71.5	71.7	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.7	72.7	72.7
IV 3000	67.4	71.7	73.6	73.8	74.7	74.7	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.3	75.3	75.3
IV 2500	68.5	73.0	75.1	75.3	76.4	76.4	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.3	77.3	77.3
IV 2000	71.5	76.6	79.0	79.2	80.3	80.3	80.5	81.1	81.1	81.1	81.1	81.1	81.1	81.3	81.3	81.3
IV 1800	71.7	76.8	79.2	79.4	80.5	80.5	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.5	81.5	81.5
IV 1500	72.5	78.5	80.9	81.1	82.2	82.2	82.6	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.7
IV 1200	72.7	79.6	82.0	82.4	83.9	83.9	84.5	85.4	85.4	85.6	85.8	85.8	85.8	86.1	86.1	86.1
IV 1000	73.2	80.5	83.0	83.5	86.1	86.3	86.9	88.2	88.2	88.4	88.6	88.6	88.6	88.8	88.8	88.8
IV 900	73.2	80.5	83.0	83.5	86.1	86.5	87.1	88.6	88.6	89.1	89.3	89.3	89.3	89.5	89.5	89.5
IV 800	73.2	80.7	83.3	83.7	86.3	86.7	87.6	89.7	90.1	90.6	91.0	91.0	91.0	91.2	91.2	91.2
IV 700	73.2	80.7	83.5	83.9	86.7	87.8	88.6	91.0	91.6	92.1	92.5	92.5	92.5	92.7	92.7	92.9
IV 600	73.2	80.7	83.5	83.9	86.7	88.0	89.1	92.1	92.7	93.1	93.6	93.6	93.6	93.8	93.8	94.0
IV 500	73.2	80.9	83.7	84.1	87.3	88.6	89.7	93.1	93.8	94.2	94.8	94.8	94.8	95.1	95.3	95.5
IV 400	73.2	80.9	83.7	84.1	87.3	88.6	90.1	94.0	94.6	95.1	95.7	95.9	96.1	96.4	96.6	96.8
IV 300	73.2	80.9	83.7	84.1	87.3	88.6	90.1	94.6	95.3	95.7	96.4	96.6	97.2	97.4	97.6	97.9
IV 200	73.2	80.9	83.7	84.1	87.3	88.6	90.6	95.1	95.9	96.4	97.6	97.9	98.5	98.9	99.4	99.6
IV 100	73.2	80.9	83.7	84.1	87.3	88.6	90.6	95.1	95.9	96.6	97.9	98.1	98.7	99.1	99.6	100.0
IV 0	73.2	80.9	83.7	84.1	87.3	88.6	90.6	95.1	95.9	96.6	97.9	98.1	98.7	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 466

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
SEE FIRST PAGE

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70, 73-76, 80  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	44.3	47.1	48.2	48.2	48.4	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.8	48.8
≥ 20000	46.7	47.5	50.5	50.5	50.8	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.2	51.2
IN 18000	46.7	49.5	50.5	50.5	50.8	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.2	51.2
IN 16000	46.7	49.5	50.5	50.5	50.8	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.2	51.2
IN 14000	46.9	49.7	51.2	51.2	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.8	51.8
IN 12000	47.5	50.3	51.8	51.8	52.0	52.0	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.5	52.5
IN 10000	48.8	51.8	53.3	53.3	53.5	53.5	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	54.0	54.0
IN 9000	49.9	52.9	54.4	54.4	55.1	55.1	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.5	55.5
IN 8000	52.3	55.5	57.2	57.2	58.1	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.9	58.9
IN 7000	53.1	56.8	58.5	59.1	59.4	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.2	60.2
IN 6000	55.3	58.9	60.6	61.3	61.5	61.9	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.4	62.4
IN 5000	57.0	60.9	62.6	63.2	63.4	63.9	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.3	64.3
IN 4500	58.3	62.2	63.9	64.5	64.7	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.6
IN 4000	59.4	64.1	66.0	66.7	66.9	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.7	67.7
IN 3500	63.0	68.2	70.1	70.8	71.0	71.4	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.8	71.8
IN 3000	66.9	72.7	74.6	75.3	75.5	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.3	76.3
IN 2500	67.7	74.2	76.3	77.0	77.2	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	78.1	78.1
IN 2000	69.7	76.3	78.7	79.4	79.6	80.0	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.6	80.6
IN 1800	69.9	77.0	79.4	80.0	80.2	80.6	80.6	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.3	81.3
IN 1500	70.1	77.4	79.8	80.4	80.9	81.3	81.3	81.9	81.9	82.2	82.2	82.2	82.2	82.2	82.4	82.4
IN 1200	71.2	79.4	81.9	82.6	83.0	83.4	83.4	84.1	84.3	84.5	84.5	84.5	84.5	84.5	84.7	84.7
IN 1000	71.4	80.9	83.4	84.1	84.5	84.9	85.2	85.8	86.0	86.2	86.5	86.5	86.5	86.5	86.7	86.7
IN 900	71.4	80.9	83.4	84.1	84.5	84.9	85.2	85.8	86.0	86.2	86.5	86.5	86.5	86.5	86.7	86.7
IN 800	71.4	80.9	83.4	84.1	84.5	84.9	85.2	85.8	86.0	86.2	86.5	86.5	86.5	86.5	86.7	86.7
IN 700	71.8	81.5	84.1	84.7	85.2	85.8	87.3	88.4	88.8	89.2	89.5	89.5	89.5	89.7	89.9	89.9
IN 600	72.0	81.7	84.3	85.4	86.2	87.1	88.6	89.9	90.3	90.8	91.2	91.2	91.4	91.6	91.6	91.6
IN 500	72.0	81.7	84.3	85.4	86.2	87.1	88.6	89.9	90.3	90.8	91.2	91.2	91.4	91.6	91.6	91.8
IN 400	72.0	81.7	84.3	85.4	86.2	87.1	88.6	89.9	90.3	92.0	92.5	92.9	93.3	93.5	94.0	94.4
IN 300	72.0	81.9	84.5	85.6	86.9	88.2	90.5	92.9	93.3	93.8	94.2	94.6	95.1	95.5	95.7	96.3
IN 200	72.0	81.9	84.5	85.6	86.9	88.2	90.5	92.9	93.5	94.2	94.8	95.1	95.5	95.9	96.3	97.0
IN 100	72.0	81.9	84.5	85.6	86.9	88.2	90.5	93.5	94.2	94.8	96.1	96.6	97.0	97.4	98.1	100.0
IN 0	72.0	81.9	84.5	85.6	86.9	88.2	90.5	93.5	94.2	94.8	96.1	96.6	97.0	97.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 465

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	42.3	45.3	45.6	45.9	46.4	46.5	46.9	47.1	47.1	47.2	47.2	47.2	47.2	47.3	47.3	47.3
IV 20000	45.2	48.5	48.8	49.0	49.5	49.7	50.2	50.5	50.5	50.6	50.6	50.6	50.6	50.7	50.7	50.7
IV 18000	45.3	48.6	48.9	49.1	49.7	49.8	50.3	50.6	50.6	50.7	50.7	50.7	50.7	50.9	50.9	50.9
IV 16000	45.3	48.6	48.9	49.1	49.7	49.8	50.3	50.6	50.6	50.7	50.7	50.7	50.7	50.9	50.9	50.9
IV 14000	45.7	49.0	49.3	49.5	50.1	50.2	50.7	51.0	51.0	51.1	51.1	51.1	51.1	51.2	51.2	51.2
IV 12000	47.1	50.5	50.7	51.0	51.5	51.6	52.2	52.4	52.4	52.6	52.6	52.6	52.6	52.7	52.7	52.7
IV 10000	48.4	52.3	53.1	53.3	53.9	54.0	54.5	54.8	54.8	54.9	54.9	54.9	54.9	55.0	55.0	55.0
IV 9000	48.9	53.1	53.9	54.1	54.7	54.8	55.3	55.6	55.6	55.7	55.7	55.7	55.7	55.8	55.8	55.8
IV 8000	52.4	56.9	57.8	58.2	58.7	59.0	59.6	59.9	59.9	60.0	60.0	60.0	60.0	60.2	60.2	60.2
IV 7000	53.1	57.9	58.8	59.2	59.8	60.0	60.7	61.1	61.1	61.2	61.2	61.2	61.2	61.3	61.3	61.3
IV 6000	54.0	59.0	59.9	60.3	60.9	61.2	61.9	62.3	62.3	62.4	62.4	62.4	62.4	62.5	62.5	62.5
IV 5000	56.4	62.0	62.9	63.4	64.2	64.5	65.1	65.5	65.5	65.7	65.7	65.7	65.7	65.8	65.8	65.8
IV 4500	57.8	64.0	65.0	65.5	66.3	66.6	67.2	67.6	67.6	67.8	67.8	67.8	67.8	67.9	67.9	67.9
IV 4000	59.4	65.5	66.8	67.4	68.4	68.7	69.3	69.7	69.7	69.9	69.9	69.9	69.9	70.0	70.0	70.0
IV 3500	61.8	68.7	70.0	70.5	71.6	72.0	72.6	73.0	73.0	73.1	73.1	73.1	73.1	73.3	73.3	73.3
IV 3000	66.1	73.5	74.8	75.4	76.4	76.8	77.5	77.9	77.9	78.0	78.0	78.0	78.0	78.1	78.1	78.1
IV 2500	67.0	75.0	76.4	76.9	78.2	78.6	79.3	79.7	79.7	79.8	79.9	79.9	79.9	80.1	80.1	80.1
IV 2000	68.3	77.1	78.8	79.6	81.0	81.7	82.6	83.0	83.0	83.1	83.2	83.2	83.2	83.4	83.4	83.4
IV 1800	68.4	77.7	79.4	80.2	81.7	82.3	83.2	83.6	83.6	83.7	83.9	83.9	83.9	84.0	84.0	84.0
IV 1500	68.8	78.9	80.9	81.9	83.9	84.5	85.5	85.8	85.8	86.1	86.2	86.2	86.4	86.4	86.4	86.4
IV 1200	69.7	80.9	82.6	83.9	86.2	87.0	87.9	88.6	88.6	88.9	89.1	89.1	89.3	89.3	89.3	89.3
IV 1000	69.7	80.9	83.0	84.3	87.0	87.9	89.1	89.8	89.9	90.3	90.7	90.7	90.8	90.8	90.8	90.8
IV 900	69.7	80.9	83.0	84.3	87.0	87.9	89.1	89.8	89.9	90.3	90.7	90.7	90.8	90.8	90.8	90.8
IV 800	69.7	80.9	83.0	84.3	87.0	87.9	89.1	89.8	89.9	90.3	90.7	91.1	91.1	91.2	91.2	91.2
IV 700	69.9	81.1	83.4	84.8	87.5	88.5	89.9	90.8	91.0	91.3	91.7	91.7	91.7	91.9	91.9	91.9
IV 600	69.9	81.1	83.5	84.9	87.8	88.7	90.4	91.6	91.7	92.1	92.5	92.5	92.5	92.7	92.7	92.7
IV 500	69.9	81.1	83.6	85.1	88.1	89.0	90.7	92.0	92.3	92.7	93.1	93.2	93.3	93.3	93.3	93.3
IV 400	69.9	81.1	83.6	85.1	88.1	89.1	91.3	92.8	93.1	93.8	94.5	94.6	94.6	94.8	94.9	95.0
IV 300	69.9	81.1	83.6	85.1	88.3	89.4	92.0	93.8	94.1	95.0	95.7	95.8	96.3	96.6	96.9	97.1
IV 200	69.9	81.1	83.6	85.2	88.5	89.5	92.1	94.0	94.4	95.3	96.3	96.5	97.1	97.5	98.0	98.3
IV 100	69.9	81.1	83.6	85.2	88.6	89.6	92.3	94.2	94.6	95.5	96.6	96.7	97.8	98.2	99.3	99.9
IV 0	69.9	81.1	83.6	85.2	88.6	89.6	92.3	94.2	94.6	95.5	96.6	96.7	97.8	98.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 763

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	45.1	48.2	48.7	49.5	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.9
IV 18000 IV 16000	48.8	52.9	53.9	54.3	54.6	54.7	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.2
IV 14000 IV 12000	48.8	53.1	53.7	54.5	54.8	54.9	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4
IV 10000 IV 9000	49.2	53.5	54.2	54.9	55.3	55.4	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.8
IV 8000 IV 7000	50.8	55.4	56.1	56.9	57.2	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9
IV 6000 IV 5000	52.5	57.1	58.1	59.1	59.4	59.6	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.1
IV 4500 IV 4000	53.3	58.0	59.0	60.0	60.3	60.5	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0
IV 3500 IV 3000	56.3	62.2	63.3	64.4	64.8	65.1	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8
IV 2500 IV 2000	57.7	63.7	64.9	66.1	66.6	66.9	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.5
IV 1800 IV 1500	58.4	64.5	65.7	67.0	67.7	68.0	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.6
IV 1200 IV 1000	60.1	66.8	68.0	69.3	70.1	70.4	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.1
IV 900 IV 800	60.9	67.9	69.1	70.5	71.4	71.7	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4
IV 700 IV 600	62.7	69.7	70.9	72.5	73.7	74.1	74.3	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.0
IV 500 IV 400	64.7	72.4	73.7	75.2	76.4	76.9	77.1	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.9
IV 300 IV 200	66.8	74.7	76.1	77.9	79.2	79.7	80.0	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9
IV 100 IV 0	67.8	76.5	78.1	80.0	81.5	82.0	82.5	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.7
	69.0	78.2	80.0	82.1	83.7	84.4	85.0	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.2
	69.1	78.4	80.3	82.5	84.0	84.8	85.3	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.5
	69.5	79.4	81.3	83.8	85.6	86.4	87.2	87.9	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.5
	70.5	81.3	83.3	86.0	88.3	89.3	90.4	91.2	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.8
	70.6	81.7	83.6	86.7	89.4	90.6	91.7	92.8	93.0	93.5	93.5	93.5	93.5	93.6	93.6	94.0
	70.6	81.7	83.6	86.7	89.4	90.6	91.7	92.8	93.1	93.8	93.8	93.8	93.8	93.9	93.9	94.0
	70.6	81.7	83.6	86.7	89.4	90.6	91.8	92.9	93.2	93.9	93.9	94.0	94.1	94.1	94.2	94.4
	70.6	81.8	83.9	86.8	89.6	90.8	92.0	93.1	93.4	94.1	94.2	94.3	94.4	94.6	94.7	95.0
	70.6	81.8	83.9	87.0	89.9	91.1	92.3	93.8	94.1	94.7	95.0	95.1	95.3	95.5	95.7	95.9
	70.6	81.9	84.0	87.1	90.0	91.3	92.5	94.0	94.5	95.2	95.4	95.5	95.9	96.2	96.4	96.6
	70.6	81.9	84.0	87.1	90.0	91.3	92.7	94.2	94.7	95.4	95.7	95.8	96.3	96.5	96.7	96.9
	70.6	81.9	84.0	87.1	90.0	91.3	92.9	95.1	95.6	96.5	97.1	97.3	97.8	98.0	98.2	98.5
	70.6	81.9	84.0	87.1	90.0	91.3	92.9	95.1	95.7	96.7	97.4	97.6	98.8	99.2	99.5	99.7
	70.6	81.9	84.0	87.1	90.0	91.3	92.9	95.1	95.7	96.7	97.4	97.6	98.8	99.2	99.5	99.8
	70.6	81.9	84.0	87.1	90.0	91.3	92.9	95.1	95.7	96.7	97.4	97.6	98.8	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 912



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

70,73-81  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	45.5	47.4	47.6	47.9	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000	50.1	53.2	53.4	53.7	53.9	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 18000	50.3	53.5	53.7	54.2	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 16000	50.3	53.5	53.7	54.2	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 14000	51.0	54.2	54.4	54.8	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 12000	52.6	55.8	56.0	56.5	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 10000	54.5	58.2	58.4	59.0	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
IV 9000	55.3	59.0	59.4	60.0	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 8000	57.1	61.5	62.4	62.9	63.4	63.5	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 7000	58.3	63.7	64.6	65.1	65.6	65.7	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 6000	59.3	64.7	65.6	66.4	66.9	67.0	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 5000	61.2	67.4	68.3	69.3	69.8	70.0	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
IV 4500	61.8	68.3	69.4	70.5	71.1	71.2	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 4000	64.5	70.8	71.9	73.0	73.7	73.9	74.1	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 3500	67.7	75.0	76.1	77.3	78.0	78.3	78.5	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 3000	69.7	77.7	79.1	80.4	81.3	81.7	82.0	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 2500	71.2	79.3	80.7	82.0	82.9	83.4	83.8	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IV 2000	72.0	81.0	82.9	84.3	85.2	85.7	86.1	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1800	72.3	81.3	83.1	84.6	85.5	86.1	86.4	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1500	72.9	82.1	84.0	85.6	86.7	87.3	87.6	88.3	88.4	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 1200	73.5	83.1	85.1	86.8	87.9	88.5	88.9	89.7	90.0	90.6	90.7	90.7	90.7	90.7	90.7	90.7
IV 1000	73.6	83.6	85.7	87.7	89.0	89.6	90.0	91.1	91.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9
IV 900	73.6	83.6	85.9	87.9	89.3	89.9	90.4	91.4	92.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3
IV 800	73.6	83.6	85.9	87.9	89.3	90.0	90.5	91.6	92.1	93.4	93.6	93.6	93.6	93.6	93.6	93.6
IV 700	73.7	83.7	86.1	88.2	89.5	90.2	90.7	91.8	92.3	93.8	94.2	94.3	94.3	94.3	94.3	94.3
IV 600	73.7	83.7	86.1	88.2	89.6	90.4	90.8	92.2	92.8	94.4	95.2	95.4	95.5	95.5	95.5	95.5
IV 500	73.7	83.7	86.2	88.4	89.9	90.8	91.2	92.8	93.3	95.0	95.8	96.2	96.3	96.4	96.5	96.5
IV 400	73.7	83.7	86.2	88.6	90.1	91.0	91.4	93.0	93.8	95.4	96.3	96.6	96.8	96.9	97.1	97.1
IV 300	73.7	83.7	86.2	88.6	90.2	91.1	91.9	93.5	94.5	96.4	97.5	97.9	98.1	98.2	98.5	98.6
IV 200	73.7	83.7	86.2	88.6	90.2	91.1	91.9	93.6	94.7	96.7	97.8	98.8	99.1	99.2	99.5	99.6
IV 100	73.7	83.7	86.2	88.6	90.2	91.1	91.9	93.6	94.7	96.7	97.8	98.8	99.3	99.5	99.7	99.8
IV 0	73.7	83.7	86.2	88.6	90.2	91.1	91.9	93.6	94.7	96.7	97.8	98.8	99.3	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 912

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14 FEB  
 STATION

WESTOVER AFB MA  
 STATION NAME

70,73-81  
 YEARS

JAN  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	44.7	46.3	46.5	46.7	46.7	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 20000	49.1	51.2	51.4	51.5	51.5	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 18000	49.1	51.2	51.4	51.5	51.5	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 16000	49.1	51.2	51.4	51.5	51.5	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 14000	50.4	52.7	52.9	53.0	53.0	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 12000	52.4	54.9	55.1	55.2	55.2	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 10000	55.8	58.7	58.9	59.1	59.1	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 9000	56.8	59.7	60.0	60.3	60.4	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 8000	58.7	62.5	63.3	63.6	63.7	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 7000	60.7	64.5	65.4	66.0	66.2	66.3	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 6000	61.1	64.9	65.8	66.4	66.7	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 5000	62.6	67.3	68.2	68.8	69.3	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 4500	63.9	69.0	69.9	70.7	71.1	71.2	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 4000	66.3	71.8	72.8	73.9	74.3	74.5	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 3500	69.0	75.1	76.1	77.4	78.0	78.3	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 3000	71.2	77.6	78.6	79.9	80.9	81.1	81.2	81.3	81.4	81.7	81.8	81.8	81.8	81.8	81.8	81.8
IV 2500	72.9	79.9	80.9	81.8	82.8	83.1	83.2	83.3	83.4	83.6	83.8	83.8	83.8	83.8	83.8	83.8
IV 2000	74.2	82.2	83.4	85.3	86.5	86.9	87.2	87.5	87.6	87.8	87.9	87.9	87.9	87.9	87.9	87.9
IV 1800	74.6	82.8	84.0	85.9	87.2	87.6	87.8	88.1	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6
IV 1500	75.0	83.3	84.7	86.8	88.1	88.6	88.9	89.4	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1
IV 1200	75.0	83.5	85.0	87.3	88.8	89.2	89.6	90.6	91.1	91.3	91.5	91.5	91.5	91.5	91.5	91.5
IV 1000	75.1	83.6	85.2	87.8	89.6	90.0	90.3	91.7	92.4	92.9	93.2	93.3	93.4	93.4	93.4	93.4
IV 900	75.1	83.8	85.4	88.0	89.9	90.3	90.9	92.2	93.0	93.4	93.7	93.9	94.0	94.0	94.0	94.0
IV 800	75.1	83.8	85.4	88.0	89.9	90.5	91.1	92.4	93.2	93.6	94.1	94.2	94.3	94.3	94.3	94.3
IV 700	75.1	83.8	85.4	88.1	90.1	90.7	91.3	93.2	94.1	94.5	95.0	95.1	95.2	95.2	95.2	95.2
IV 600	75.1	83.8	85.4	88.1	90.2	90.8	91.4	93.5	94.4	94.8	95.4	95.5	95.6	95.6	95.6	95.6
IV 500	75.1	83.8	85.4	88.1	90.3	91.0	91.8	94.0	95.1	95.5	96.3	96.4	96.5	96.6	96.6	96.6
IV 400	75.1	83.8	85.4	88.1	90.3	91.0	92.1	94.4	95.6	96.0	96.9	97.1	97.4	97.5	97.5	97.5
IV 300	75.1	83.8	85.4	88.1	90.3	91.0	92.1	94.5	95.9	96.6	97.5	97.7	98.1	98.4	98.4	98.4
IV 200	75.1	83.8	85.4	88.1	90.3	91.0	92.1	94.5	95.9	96.7	97.7	97.9	98.6	98.8	98.8	98.8
IV 100	75.1	83.8	85.4	88.1	90.3	91.0	92.1	94.5	95.9	96.7	97.7	97.9	98.7	98.9	99.0	99.6
IV 0	75.1	83.8	85.4	88.1	90.3	91.0	92.1	94.5	95.9	96.7	97.7	97.9	98.8	99.1	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 911

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	49.7	51.0	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
IV 18000	53.3	55.8	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 16700	53.3	55.8	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 14000	53.8	56.2	56.5	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
IV 12000	54.2	57.0	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 10000	57.4	60.7	61.0	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 9000	58.2	61.5	61.8	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 8000	60.5	64.1	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 7000	61.6	66.0	66.4	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 6000	62.5	67.0	67.4	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
IV 5000	64.1	68.8	69.3	69.5	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 4500	65.6	73.8	71.2	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 4000	67.1	73.4	74.0	74.5	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 3500	68.2	75.1	75.6	76.2	76.5	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 3000	70.0	77.9	78.6	79.1	79.7	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 2500	71.9	80.1	80.9	81.6	82.5	82.7	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2000	73.3	82.3	83.2	84.1	85.2	85.3	85.8	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1800	73.9	83.1	84.1	85.0	86.1	86.3	86.8	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1500	74.3	84.5	85.9	87.0	88.4	88.6	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1200	74.3	85.0	86.6	88.0	89.7	89.9	91.3	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 1000	74.3	85.1	86.7	88.3	90.5	90.7	92.1	92.6	93.2	93.4	93.5	93.5	93.5	93.5	93.5	93.5
IV 900	74.3	85.1	86.7	88.3	90.7	91.0	92.5	93.1	93.7	94.0	94.1	94.2	94.2	94.2	94.2	94.2
IV 800	74.3	85.1	86.9	88.5	90.9	91.2	92.8	93.5	94.2	94.4	94.6	94.7	94.7	94.7	94.7	94.7
IV 700	74.3	85.2	87.0	88.6	91.0	91.3	93.0	94.2	95.0	95.3	95.5	95.6	95.6	95.6	95.6	95.6
IV 600	74.3	85.5	87.4	89.0	91.9	92.4	94.3	95.5	96.4	96.7	96.9	97.0	97.0	97.0	97.0	97.0
IV 500	74.3	85.5	87.4	89.1	92.1	92.6	94.5	95.7	96.6	96.9	97.1	97.3	97.3	97.3	97.3	97.3
IV 400	74.3	85.6	87.5	89.2	92.2	92.8	94.6	95.9	96.8	97.3	97.5	97.6	97.6	97.6	97.6	97.6
IV 300	74.3	85.6	87.5	89.2	92.4	93.0	95.0	96.4	97.3	97.8	98.0	98.1	98.1	98.1	98.2	98.2
IV 200	74.3	85.6	87.5	89.2	92.4	93.0	95.1	96.5	97.5	98.1	98.8	99.0	99.0	99.0	99.1	99.3
IV 100	74.3	85.6	87.5	89.2	92.4	93.0	95.1	96.5	97.7	98.5	99.2	99.5	99.5	99.5	99.6	99.7
IV 0	74.3	85.6	87.5	89.2	92.4	93.0	95.1	96.5	97.7	98.5	99.2	99.5	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 911

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1473  
 STATION

WESTOVER AFB MA  
 STATION NAME

70,73-81  
 YEARS

USE WITH CAUTION  
 SEE FIRST PAGE

JAN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	49.1	51.8	52.5	52.5	52.5	52.6	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	52.3	55.5	56.1	56.1	56.1	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 18000	52.3	55.5	56.1	56.1	56.1	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 16000	52.3	55.5	56.1	56.1	56.1	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 14000	53.1	56.3	56.9	56.9	56.9	57.0	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 12000	53.4	57.0	57.7	57.7	57.7	57.8	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 10000	55.2	59.3	59.9	59.9	59.9	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 9000	55.3	59.9	60.6	60.6	60.6	60.7	60.8	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 8000	58.4	62.7	63.3	63.3	63.3	63.4	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 7000	59.8	64.6	65.3	65.3	65.3	65.4	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 6000	60.3	65.3	65.9	65.9	65.9	66.1	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 5000	62.1	67.1	67.8	67.8	67.8	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 4500	63.4	68.4	69.2	69.2	69.2	69.3	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 4000	65.0	70.9	71.7	71.7	71.8	71.9	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 3500	65.8	71.8	72.6	72.6	72.7	72.8	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 3000	67.8	74.5	75.6	75.6	76.0	76.2	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 2500	69.7	76.8	77.9	78.1	78.5	78.7	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 2000	71.5	79.4	81.1	81.3	81.9	82.2	82.6	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 1800	72.3	80.5	82.2	82.5	83.0	83.4	83.8	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 1500	72.6	81.7	83.7	84.1	85.0	85.4	85.9	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 1200	73.6	83.2	85.1	86.0	87.5	88.0	88.5	89.8	89.9	89.9	90.2	90.2	90.2	90.2	90.2	90.2
IV 1000	73.8	83.7	86.2	87.3	89.3	89.9	90.5	92.3	92.7	92.8	93.1	93.1	93.1	93.1	93.1	93.1
IV 900	73.8	83.9	86.4	87.6	89.7	90.3	90.9	92.7	93.2	93.3	93.6	93.6	93.6	93.6	93.6	93.6
IV 800	73.8	83.9	86.6	87.7	89.9	90.6	91.3	93.1	93.6	93.9	94.3	94.3	94.3	94.3	94.3	94.3
IV 700	73.8	84.1	86.8	88.0	90.3	91.0	91.6	93.7	94.3	94.6	95.2	95.2	95.2	95.2	95.2	95.2
IV 600	73.8	84.1	86.8	88.3	90.9	91.5	92.3	94.4	94.9	95.3	96.2	96.2	96.2	96.5	96.5	96.5
IV 500	73.8	84.1	86.8	88.3	91.0	91.6	92.4	94.5	95.0	95.4	96.3	96.3	96.7	96.7	96.7	96.7
IV 400	73.8	84.2	86.9	88.4	91.1	91.8	92.7	94.8	95.3	95.8	96.7	96.9	97.3	97.3	97.3	97.3
IV 300	73.8	84.3	87.1	88.5	91.4	92.0	93.0	95.0	95.6	96.2	97.1	97.4	98.0	98.0	98.3	98.3
IV 200	73.8	84.3	87.1	88.5	91.4	92.0	93.1	95.2	96.0	96.6	97.5	97.8	98.4	98.4	98.7	99.1
IV 100	73.8	84.3	87.1	88.5	91.4	92.0	93.1	95.2	96.2	96.9	98.0	98.3	99.0	99.0	99.2	100.0
IV 0	73.8	84.3	87.1	88.5	91.4	92.0	93.1	95.2	96.2	96.9	98.0	98.3	99.0	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 766

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

70,73-81

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	45.8	48.2	48.6	48.8	49.0	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3	49.3	49.3
≥ 20000	49.5	52.4	52.9	53.1	53.3	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7	53.7
≥ 18000	49.6	52.5	53.0	53.2	53.4	53.5	53.6	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 16000	49.6	52.5	53.0	53.2	53.4	53.5	53.6	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 14000	50.2	53.2	53.7	53.9	54.1	54.2	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 12000	51.3	54.5	55.0	55.3	55.5	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9
IV 10000	53.4	57.0	57.6	57.9	58.2	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6
IV 9000	54.2	57.9	58.5	58.9	59.2	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6
IV 8000	56.7	60.9	61.8	62.2	62.5	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1
IV 7000	58.0	62.7	63.6	64.1	64.4	64.6	64.8	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0
IV 6000	59.0	63.7	64.6	65.2	65.6	65.7	65.9	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2
IV 5000	60.8	66.1	67.0	67.6	68.1	68.2	68.4	68.6	68.6	68.6	68.6	68.6	68.7	68.7	68.7	68.7
IV 4500	62.0	67.5	68.5	69.2	69.7	69.8	70.0	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3
IV 4000	63.8	69.8	70.9	71.7	72.3	72.5	72.7	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3500	66.0	72.5	73.6	74.5	75.1	75.4	75.6	75.8	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.0
IV 3000	68.5	75.5	76.8	77.6	78.4	78.8	79.0	79.3	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5
IV 2500	69.8	77.3	78.7	79.6	80.5	80.9	81.2	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.8
IV 2000	71.3	79.6	81.2	82.4	83.4	83.9	84.3	84.8	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.0
IV 1800	71.7	80.1	81.8	83.0	84.0	84.5	84.9	85.4	85.5	85.6	85.6	85.6	85.6	85.7	85.7	85.7
IV 1500	72.1	81.2	83.1	84.3	85.7	86.1	86.7	87.3	87.4	87.6	87.6	87.6	87.7	87.7	87.7	87.7
IV 1200	72.7	82.3	84.2	85.8	87.4	87.9	88.7	89.5	89.7	89.9	90.0	90.0	90.1	90.1	90.1	90.1
IV 1000	72.8	82.8	84.8	86.6	88.6	89.2	90.0	91.0	91.4	91.8	92.1	92.1	92.1	92.2	92.2	92.2
IV 900	72.8	82.8	84.9	86.7	88.7	89.4	90.3	91.4	91.8	92.3	92.5	92.5	92.6	92.6	92.6	92.7
IV 800	72.8	82.8	85.0	86.8	88.8	89.5	90.5	91.7	92.2	92.8	93.1	93.1	93.2	93.2	93.2	93.2
IV 700	72.9	83.0	85.2	87.0	89.1	89.9	90.9	92.4	92.9	93.5	93.8	93.9	94.0	94.0	94.0	94.1
IV 600	72.9	83.0	85.3	87.2	89.5	90.4	91.5	93.1	93.7	94.3	94.8	94.9	95.0	95.1	95.1	95.2
IV 500	72.9	83.1	85.3	87.3	89.7	90.6	91.8	93.5	94.1	94.8	95.3	95.4	95.6	95.7	95.8	95.9
IV 400	72.9	83.1	85.4	87.3	89.8	90.8	92.2	94.0	94.7	95.4	96.0	96.2	96.5	96.6	96.7	96.8
IV 300	72.9	83.1	85.4	87.4	90.0	90.9	92.4	94.6	95.3	96.2	96.9	97.1	97.5	97.7	97.9	98.0
IV 200	72.9	83.1	85.4	87.4	90.0	90.9	92.5	94.7	95.6	96.5	97.4	97.8	98.3	98.6	98.8	99.2
IV 100	72.9	83.1	85.4	87.4	90.0	90.9	92.5	94.8	95.7	96.7	97.7	98.0	98.7	99.0	99.3	99.9
IV 0	72.9	83.1	85.4	87.4	90.0	90.9	92.5	94.8	95.7	96.7	97.7	98.0	98.7	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 6106

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
 SEE FIRST PAGE

14703

WESTOVER AFB MA

70,73-76,78

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	46.1	48.6	48.9	48.9	48.9	49.2	49.2	50.0	50.0	50.0	50.0	50.0	50.0	50.3	50.3	50.3
≥20000	48.9	52.0	52.2	52.2	52.2	52.5	52.5	53.4	53.4	53.4	53.4	53.4	53.4	53.7	53.7	53.7
IV 18000	48.9	52.0	52.2	52.2	52.2	52.5	52.5	53.4	53.4	53.4	53.4	53.4	53.4	53.7	53.7	53.7
≥16000	48.9	52.0	52.2	52.2	52.2	52.5	52.5	53.4	53.4	53.4	53.4	53.4	53.4	53.7	53.7	53.7
IV 14000	49.2	52.2	52.5	52.5	52.5	52.8	52.8	53.7	53.7	53.7	53.7	53.7	53.7	53.9	53.9	53.9
≥2000	49.2	52.2	52.5	52.5	52.5	52.8	52.8	53.7	53.7	53.7	53.7	53.7	53.7	53.9	53.9	53.9
IV 10000	52.0	55.1	55.3	55.3	55.3	55.6	55.6	56.5	56.5	56.5	56.5	56.5	56.5	56.7	56.7	56.7
≥9000	53.1	56.5	56.7	56.7	56.7	57.0	57.0	57.9	57.9	57.9	57.9	57.9	57.9	58.1	58.1	58.1
IV 8000	54.8	58.7	59.3	59.3	59.3	59.6	59.6	60.4	60.4	60.4	60.4	60.4	60.4	60.7	60.7	60.7
≥7000	55.6	59.6	60.1	60.1	60.1	60.4	60.4	61.2	61.2	61.2	61.2	61.2	61.2	61.5	61.5	61.5
IV 6000	56.7	61.0	61.5	61.5	61.5	61.8	61.8	62.6	62.6	62.6	62.6	62.6	62.6	62.9	62.9	62.9
≥5000	61.0	65.2	65.7	65.7	65.7	66.0	66.0	66.9	66.9	66.9	66.9	66.9	66.9	67.1	67.1	67.1
IV 4500	62.1	66.3	66.9	66.9	66.9	67.1	67.1	68.0	68.0	68.0	68.0	68.0	68.0	68.3	68.3	68.3
≥4000	64.3	68.8	69.4	69.4	69.4	69.7	69.7	70.5	70.5	70.5	70.5	70.5	70.5	70.8	70.8	70.8
IV 3500	66.3	71.9	72.5	72.5	72.5	73.0	73.0	73.9	73.9	73.9	73.9	73.9	73.9	74.2	74.2	74.2
≥3000	69.1	75.3	75.8	76.1	76.7	77.2	77.8	78.7	78.7	78.7	78.7	78.7	78.7	78.9	78.9	78.9
IV 2500	71.3	77.5	78.1	78.4	78.9	79.5	80.1	80.9	80.9	80.9	80.9	80.9	80.9	81.2	81.2	81.2
≥2000	74.2	80.3	81.5	82.3	82.9	83.4	84.0	84.8	84.8	84.8	84.8	84.8	84.8	85.1	85.1	85.1
IV 1800	74.4	80.9	82.0	82.9	83.4	84.0	84.6	85.4	85.4	85.4	85.4	85.4	85.4	85.7	85.7	85.7
≥1500	75.1	81.7	83.1	84.1	85.4	86.0	86.5	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.6	87.6
IV 1200	75.0	82.0	83.4	84.8	86.0	86.5	87.4	88.2	88.2	88.2	88.2	88.2	88.2	88.5	88.5	88.5
≥1000	75.3	82.3	83.7	85.1	86.5	87.1	87.9	88.8	89.0	89.0	89.0	89.0	89.0	89.3	89.3	89.3
IV 900	75.3	82.3	83.7	85.4	86.8	87.4	88.2	89.0	89.6	89.6	89.6	89.6	89.6	90.2	90.2	90.2
≥800	75.3	82.3	83.7	85.4	86.8	87.4	88.2	89.0	89.6	89.6	89.6	89.6	89.6	90.2	90.2	90.2
IV 700	75.3	82.3	83.7	85.7	87.1	87.6	88.5	89.3	90.2	91.0	91.3	91.3	91.3	91.6	91.6	91.6
≥600	75.3	82.3	83.7	85.7	87.1	87.6	88.5	89.3	90.2	91.0	91.3	91.3	91.3	91.6	91.6	91.6
IV 500	75.3	82.3	83.7	86.2	87.9	88.8	89.9	91.0	92.1	93.0	93.3	93.3	93.3	94.1	94.1	94.1
≥400	75.3	82.3	83.7	86.2	88.5	89.3	90.4	91.9	93.0	94.1	94.7	94.7	94.7	95.5	95.5	95.5
IV 300	75.3	82.3	83.7	86.2	88.5	89.3	90.4	91.9	93.0	94.1	94.7	94.7	94.7	95.5	95.5	95.5
≥200	75.3	82.3	83.7	86.2	88.5	89.3	90.4	92.1	93.3	94.7	95.5	95.5	95.5	96.3	96.3	96.3
IV 100	75.3	82.3	83.7	86.2	88.5	89.3	90.4	92.1	93.3	94.7	95.5	95.5	95.5	97.2	97.2	97.2
≥0	75.3	82.3	83.7	86.2	88.5	89.3	90.4	92.1	93.3	94.7	95.5	95.5	95.5	97.2	97.2	97.2

TOTAL NUMBER OF OBSERVATIONS 356

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14773

WESTOVER AFB MA

70,73-76,78

USE WITH CAUTION  
 SEE FIRST PAGE

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	42.7	44.5	45.4	45.7	45.7	45.7	45.7	45.9	45.9	45.9	45.9	45.9	45.9	46.5	46.8	46.8
IV 20000	45.1	47.9	48.7	49.0	49.0	49.0	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.9	50.1	50.1
IV 18000	45.1	47.9	48.7	49.0	49.0	49.0	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.9	50.1	50.1
IV 16000	45.1	47.9	48.7	49.0	49.0	49.0	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.9	50.1	50.1
IV 14000	45.7	48.5	49.3	49.6	49.6	49.6	49.6	49.9	49.9	49.9	49.9	49.9	49.9	50.4	50.7	50.7
IV 12000	45.9	48.7	49.6	49.9	49.9	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.7	51.0	51.0
IV 10000	47.9	50.7	51.5	51.8	51.8	51.8	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.7	52.9	52.9
IV 9000	48.7	51.5	52.4	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9	53.5	53.8	53.8
IV 8000	51.0	53.8	55.2	55.7	55.7	55.7	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.6	56.9	56.9
IV 7000	52.4	55.2	56.6	57.1	57.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	58.0	58.3	58.3
IV 6000	53.5	57.1	58.5	59.1	59.1	59.1	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.9	60.2	60.2
IV 5000	57.1	60.8	62.2	62.7	62.7	62.7	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.6	63.9	63.9
IV 4500	58.8	62.5	63.9	64.4	64.4	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	65.3	65.5	65.5
IV 4000	62.5	66.4	67.8	68.3	68.3	68.3	68.3	68.6	68.6	68.6	68.6	68.6	68.6	69.2	69.5	69.5
IV 3500	65.3	69.7	71.4	72.0	72.0	72.0	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.8	73.1	73.1
IV 3000	68.3	73.4	75.1	75.9	76.5	76.5	76.5	76.8	76.8	76.8	76.8	76.8	76.8	77.3	77.6	77.6
IV 2500	70.3	75.6	77.3	78.2	78.7	78.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.6	79.8	79.8
IV 2000	72.6	78.7	80.4	81.5	82.1	82.1	82.1	82.6	82.6	82.6	82.6	82.6	82.6	83.2	83.5	83.5
IV 1800	72.6	78.7	80.4	81.5	82.1	82.1	82.1	82.6	82.6	82.6	82.6	82.6	82.6	83.2	83.5	83.5
IV 1500	73.4	79.6	81.8	82.9	83.5	83.8	83.8	84.3	84.6	84.6	84.6	84.6	84.6	85.2	85.4	85.4
IV 1200	73.7	80.1	82.6	84.3	85.2	86.3	86.3	86.8	87.4	87.4	87.4	87.4	87.4	88.0	88.2	88.2
IV 1000	73.9	80.4	82.9	84.6	85.4	86.6	86.6	87.1	87.7	88.0	88.0	88.0	88.0	88.5	88.8	88.8
IV 900	73.9	80.4	82.9	84.6	85.4	86.6	86.8	87.7	88.2	89.1	89.1	89.1	89.1	89.6	89.9	89.9
IV 800	73.9	80.7	83.2	85.2	86.0	87.1	87.7	88.5	89.1	89.9	89.9	89.9	89.9	90.5	90.8	90.8
IV 700	73.9	81.2	83.8	85.7	86.6	87.7	88.2	89.4	89.9	90.8	90.8	90.8	90.8	91.3	91.6	91.6
IV 600	73.9	81.8	84.6	86.6	87.7	88.8	89.4	90.5	91.0	92.7	92.7	92.7	92.7	93.3	93.6	93.6
IV 500	73.9	81.8	84.9	87.4	88.5	89.9	90.8	91.9	92.4	94.1	94.7	94.7	95.0	95.5	95.8	95.8
IV 400	73.9	81.8	84.9	87.4	88.5	90.2	91.0	92.2	92.7	94.7	95.5	95.5	95.8	96.4	96.6	96.6
IV 300	73.9	81.8	84.9	87.4	88.5	90.2	91.0	92.2	92.7	94.7	95.8	95.8	96.1	96.6	97.2	97.2
IV 200	73.9	81.8	84.9	87.4	88.5	90.2	91.0	92.2	92.7	94.7	95.8	95.8	96.4	97.2	98.0	98.3
IV 100	73.9	81.8	84.9	87.4	88.5	90.2	91.0	92.2	92.7	94.7	95.8	95.8	96.4	97.2	98.0	99.7
IV 0	73.9	81.8	84.9	87.4	88.5	90.2	91.0	92.2	92.7	94.7	95.8	95.8	96.4	97.2	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 357

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14793

WESTOVER AFB MA

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING ≥ 20000	44.5	47.9	48.2	48.6	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.2	49.2	49.2	49.2	49.3
IV 18000	49.7	52.9	53.2	53.6	54.3	54.3	54.3	54.3	54.3	54.5	54.5	54.6	54.6	54.6	54.6	54.9
IV 16000	49.7	52.9	53.2	53.6	54.3	54.3	54.3	54.3	54.3	54.5	54.5	54.6	54.6	54.6	54.6	54.9
IV 14000	49.8	53.6	53.9	54.3	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.4	55.4	55.4	55.4	55.7
IV 12000	50.8	54.6	55.2	55.7	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.7	56.7	56.7	56.7	57.0
IV 10000	53.9	58.0	58.6	59.0	59.8	59.8	59.8	59.8	59.8	59.9	59.9	60.1	60.1	60.1	60.1	60.4
IV 9000	55.1	59.2	59.8	60.5	61.2	61.2	61.2	61.2	61.2	61.4	61.4	61.5	61.5	61.5	61.5	61.8
IV 8000	56.5	61.4	62.0	62.8	63.7	63.7	63.7	63.7	63.7	63.9	63.9	64.0	64.0	64.0	64.0	64.3
IV 7000	57.4	62.6	63.1	64.0	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.3	65.3	65.3	65.3	65.6
IV 6000	58.7	64.0	64.6	65.6	66.7	66.8	66.8	66.8	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.4
IV 5000	60.9	67.4	68.0	69.2	70.2	70.3	70.3	70.3	70.3	70.5	70.5	70.6	70.6	70.6	70.6	70.9
IV 4500	61.7	68.1	68.7	69.9	70.9	71.2	71.2	71.2	71.4	71.5	71.5	71.7	71.7	71.7	71.7	72.0
IV 4000	62.4	69.2	69.8	71.1	72.1	72.4	72.4	72.4	72.5	72.8	72.8	73.0	73.0	73.0	73.1	73.4
IV 3500	63.4	70.5	71.1	72.5	73.6	73.9	73.9	74.0	74.4	74.4	74.6	74.6	74.6	74.6	74.7	75.2
IV 3000	66.1	74.2	75.0	76.7	77.7	78.0	78.0	78.1	78.6	78.6	78.7	78.7	78.7	78.7	78.9	79.3
IV 2500	67.3	75.5	76.4	78.0	79.0	79.3	79.3	79.6	80.0	80.0	80.2	80.2	80.2	80.2	80.3	80.8
IV 2000	68.0	76.5	77.5	79.6	80.8	81.1	81.2	81.8	82.2	82.2	82.4	82.4	82.4	82.4	82.5	83.0
IV 1800	68.1	76.7	77.7	79.7	81.1	81.4	81.5	82.1	82.7	82.7	82.8	82.8	82.8	82.8	83.0	83.4
IV 1500	68.4	78.4	79.4	81.5	83.1	83.7	84.0	84.7	85.3	85.5	85.8	85.8	85.9	85.9	86.0	86.5
IV 1200	68.9	79.4	80.8	83.0	85.0	85.8	86.0	87.1	87.8	88.1	88.5	88.5	88.8	88.8	89.0	89.4
IV 1000	68.9	79.9	81.2	83.6	85.9	87.1	87.4	88.7	89.4	90.0	90.7	90.7	91.0	91.0	91.2	91.6
IV 900	69.0	80.2	81.5	84.0	86.8	88.1	88.4	89.7	90.5	91.0	91.9	91.9	92.2	92.2	92.4	92.8
IV 800	69.0	80.5	81.8	84.6	87.5	89.1	89.4	90.7	91.5	92.1	93.0	93.0	93.2	93.2	93.4	93.8
IV 700	69.0	80.6	82.1	85.0	88.0	89.6	89.9	91.2	92.2	93.0	93.8	94.0	94.3	94.3	94.4	94.9
IV 600	69.0	80.6	82.2	85.3	88.3	90.0	90.3	91.6	92.7	93.4	94.3	94.6	94.9	94.9	95.0	95.6
IV 500	69.0	80.9	82.4	85.5	88.4	90.5	90.7	92.2	93.4	94.1	95.0	95.3	95.6	95.6	95.7	96.3
IV 400	69.0	80.9	82.5	85.8	88.7	90.7	91.0	92.7	93.8	94.6	95.6	95.9	96.2	96.2	96.3	96.9
IV 300	69.0	80.9	82.5	85.8	88.7	90.7	91.0	93.0	94.3	95.4	96.6	96.9	97.2	97.4	97.5	98.2
IV 200	69.0	80.9	82.5	85.8	88.7	90.7	91.0	93.0	94.3	95.6	96.9	97.2	97.8	97.9	98.2	99.3
IV 100	69.0	80.9	82.5	85.8	88.7	90.7	91.0	93.0	94.3	95.6	96.9	97.2	97.8	97.9	98.2	99.9
IV 0	69.0	80.9	82.5	85.8	88.7	90.7	91.0	93.0	94.3	95.6	96.9	97.2	97.8	97.9	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 681



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14773  
 STATION

WESTOVER AFB MA  
 STATION NAME

70,73-81  
 YEARS

FEB  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	46.6	49.8	53.3	50.7	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.4
≥20000	52.0	56.1	56.8	57.5	58.1	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.4
IV 18000	52.1	56.2	56.9	57.7	58.2	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5
IV 16000	52.1	56.2	56.9	57.7	58.2	58.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.5
IV 14000	53.6	58.1	58.8	59.5	60.1	60.1	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4
IV 12000	55.2	60.0	60.9	61.6	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.4
IV 10000	56.9	62.5	63.3	64.1	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9
IV 9000	57.4	63.1	63.9	64.7	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5
IV 8000	59.2	65.7	66.8	67.9	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8
IV 7000	60.1	66.8	67.9	69.2	70.0	70.0	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.5
IV 6000	61.2	68.1	69.2	70.5	71.3	71.3	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9
IV 5000	62.5	69.9	71.1	72.5	73.4	73.4	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0
IV 4500	63.2	70.9	72.1	73.7	74.6	74.6	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2
IV 4000	64.7	72.7	74.0	75.7	76.6	76.6	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2
IV 3500	66.2	74.5	75.8	77.5	78.5	78.5	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1
IV 3000	67.9	76.4	77.8	79.5	80.5	80.5	80.7	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1
IV 2500	69.0	77.8	79.4	81.0	82.1	82.2	82.3	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	83.0
IV 2000	69.5	78.8	80.4	82.4	83.5	84.0	84.1	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	85.1
IV 1800	69.6	79.1	80.8	82.8	84.0	84.5	84.6	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.5
IV 1500	70.3	80.3	82.0	84.0	85.2	85.8	86.1	86.7	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.3
IV 1200	71.2	82.1	83.9	86.1	87.7	88.6	89.0	89.7	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.5
IV 1000	71.3	82.6	84.6	87.0	88.7	89.9	90.5	91.3	91.7	91.9	92.2	92.2	92.2	92.2	92.2	92.3
IV 900	71.3	83.0	85.3	87.7	89.6	90.7	91.3	92.2	92.5	92.8	93.0	93.0	93.0	93.0	93.0	93.1
IV 800	71.3	83.2	85.4	87.9	89.9	91.1	91.7	92.5	92.9	93.2	93.5	93.5	93.5	93.5	93.5	93.6
IV 700	71.3	83.3	85.6	88.4	90.5	91.7	92.3	93.1	93.6	94.0	94.2	94.3	94.3	94.3	94.3	94.4
IV 600	71.3	83.4	86.0	88.7	90.9	92.1	92.6	93.5	94.0	94.4	94.7	95.0	95.4	95.4	95.4	95.5
IV 500	71.3	83.4	86.1	88.8	91.3	92.5	93.4	94.2	94.8	95.3	95.5	96.0	96.3	96.3	96.3	96.4
IV 400	71.3	83.4	86.1	89.1	91.7	92.9	93.7	94.7	95.4	95.8	96.1	96.6	96.9	96.9	96.9	97.0
IV 300	71.3	83.4	86.1	89.1	91.7	92.9	94.0	95.0	95.8	96.4	96.9	97.6	98.1	98.2	98.2	98.3
IV 200	71.3	83.4	86.1	89.1	91.7	92.9	94.2	95.3	96.2	96.8	97.4	98.2	99.1	99.4	99.8	99.9
IV 100	71.3	83.4	86.1	89.1	91.7	92.9	94.2	95.3	96.2	96.8	97.4	98.2	99.1	99.4	99.8	99.9
IV 0	71.3	83.4	86.1	89.1	91.7	92.9	94.2	95.3	96.2	96.8	97.4	98.2	99.1	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 843

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥3/16	≥¼	≥0
NO CEILING	48.2	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	55.4	58.0	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IN 18000	55.4	58.0	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IN 16000	55.4	58.0	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IN 14000	56.0	58.6	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IN 12000	58.2	61.6	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IN 10000	59.4	63.0	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
IN 9000	59.9	63.5	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IN 8000	62.3	66.2	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IN 7000	63.9	67.7	68.3	68.3	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IN 6000	65.0	69.0	69.9	70.0	70.3	70.3	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IN 5000	66.7	70.5	71.3	71.5	71.9	71.9	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IN 4500	66.8	71.3	72.1	72.4	72.7	72.7	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IN 4000	68.8	73.4	74.3	74.5	74.9	74.9	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IN 3500	72.1	77.0	77.9	78.2	78.5	78.5	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IN 3000	73.9	79.4	80.3	80.5	80.9	81.0	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IN 2500	75.3	81.6	82.6	82.8	83.3	83.5	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IN 2000	76.0	83.2	84.3	84.6	85.2	85.5	85.9	86.0	86.1	86.5	86.5	86.5	86.6	86.6	86.6	86.6
IN 1800	76.2	83.5	84.7	84.9	85.5	85.9	86.2	86.4	86.5	86.8	86.8	86.8	86.8	87.0	87.0	87.0
IN 1500	77.5	85.5	86.7	87.0	87.7	88.0	88.6	89.0	89.1	89.4	89.4	89.4	89.6	89.6	89.6	89.6
IN 1200	77.9	86.5	87.7	87.9	88.6	89.1	89.8	90.2	90.3	90.7	90.9	90.9	91.0	91.0	91.0	91.0
IN 1000	78.1	87.3	88.7	89.1	89.9	90.4	91.2	91.7	91.8	92.3	92.4	92.4	92.6	92.6	92.6	92.6
IN 900	78.1	87.4	88.8	89.7	90.5	91.0	91.9	92.4	92.5	93.0	93.1	93.1	93.4	93.4	93.4	93.4
IN 800	78.1	87.4	89.0	89.8	90.7	91.3	92.4	92.9	93.1	93.6	93.7	93.7	94.0	94.0	94.0	94.0
IN 700	78.1	87.5	89.1	89.9	91.0	91.7	92.8	93.4	93.6	94.1	94.3	94.3	94.5	94.5	94.5	94.5
IN 600	78.1	87.5	89.1	90.0	91.1	91.9	93.0	93.7	94.0	94.5	94.9	94.9	95.1	95.1	95.1	95.1
IN 500	78.1	87.7	89.2	90.2	91.5	92.3	93.4	94.2	94.4	95.0	95.5	95.5	95.8	95.8	95.8	95.8
IN 400	78.1	87.7	89.2	90.2	91.5	92.5	93.8	94.8	95.1	95.7	96.2	96.3	97.0	97.2	97.2	97.2
IN 300	78.1	87.7	89.2	90.2	91.6	92.9	94.2	95.3	96.0	96.6	97.5	97.7	98.7	99.1	99.1	99.1
IN 200	78.1	87.7	89.2	90.2	91.6	92.9	94.2	95.3	96.0	96.7	97.6	97.9	98.9	99.4	99.4	99.4
IN 100	78.1	87.7	89.2	90.2	91.6	92.9	94.2	95.3	96.0	96.7	97.6	98.0	99.1	99.5	99.5	99.6
IN 0	78.1	87.7	89.2	90.2	91.6	92.9	94.2	95.3	96.0	96.7	97.6	98.0	99.1	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 843

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

70,73-81  
 YEARS

FEB  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1500-1700  
 HOURS (L.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥3/16	¾	≥0
NO CEILING	48.4	50.3	50.4	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 20000	56.0	58.5	58.6	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 18000	56.7	58.5	58.6	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 16000	56.0	58.5	58.6	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 14000	56.5	59.0	59.1	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 12000	59.0	61.7	61.8	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 10000	61.0	63.7	63.8	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 9000	61.6	64.3	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 8000	64.3	67.5	67.7	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 7000	65.0	68.7	69.0	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 6000	66.5	70.2	70.6	70.8	70.9	70.9	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 5000	68.1	72.4	72.7	73.0	73.1	73.1	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 4500	68.9	73.2	73.7	73.9	74.0	74.0	74.0	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 4000	70.7	75.1	75.6	75.8	75.9	75.9	75.9	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 3500	72.1	76.6	77.1	77.3	77.5	77.5	77.5	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 3000	75.0	79.7	80.2	80.4	80.9	80.9	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 2500	75.8	81.9	82.6	82.9	83.4	83.4	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2000	77.0	83.7	84.6	85.2	85.8	86.0	86.0	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 1800	77.0	84.0	85.2	85.8	86.5	86.7	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1500	77.8	85.4	86.7	87.4	88.3	88.6	88.7	89.1	89.1	89.2	89.2	89.3	89.3	89.3	89.3	89.3
IV 1200	78.2	86.6	87.9	88.7	89.9	90.4	90.9	91.3	91.5	91.7	91.7	91.8	91.8	91.8	91.8	91.8
IV 1000	78.2	87.3	88.6	89.9	91.2	91.7	92.3	92.8	93.0	93.2	93.2	93.4	93.6	93.6	93.7	93.7
IV 900	78.2	87.3	88.6	90.4	91.7	92.3	92.9	93.5	93.7	94.0	94.0	94.1	94.3	94.3	94.4	94.4
IV 800	78.2	87.3	88.6	90.4	91.9	92.5	93.1	94.2	94.4	94.7	94.7	94.8	95.0	95.0	95.1	95.1
IV 700	78.2	87.3	88.6	90.4	92.2	92.8	93.4	94.7	94.9	95.3	95.3	95.4	95.6	95.6	95.7	95.7
IV 600	78.2	87.3	88.6	90.4	92.2	92.9	93.6	94.9	95.3	96.2	96.2	96.3	96.7	96.7	96.8	96.8
IV 500	78.2	87.3	88.6	90.7	92.8	93.5	94.2	95.7	96.2	97.2	97.3	97.4	97.9	97.9	98.0	98.0
IV 400	78.2	87.3	88.6	90.7	92.8	93.7	94.5	96.3	96.8	97.7	98.1	98.2	98.7	98.7	98.8	98.8
IV 300	78.2	87.3	88.6	90.7	92.8	93.7	94.5	96.3	96.8	97.7	98.1	98.3	98.9	98.9	99.2	99.3
IV 200	78.2	87.3	88.6	90.7	92.8	93.7	94.5	96.3	96.8	97.7	98.2	98.5	99.1	99.1	99.5	99.8
IV 100	78.2	87.3	88.6	90.7	92.8	93.7	94.5	96.3	96.8	97.7	98.2	98.5	99.2	99.3	99.8	100.0
IV 0	78.2	87.3	88.6	90.7	92.8	93.7	94.5	96.3	96.8	97.7	98.2	98.5	99.2	99.3	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 843

GLOBAL CLIMATOLOGY BRANCH  
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# CEILING VERSUS VISIBILITY

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 STATION

WESTOVER AFB MA  
 STATION NAME

70,73-81  
 YEARS

FEB  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	51.4	54.9	55.1	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 20000	56.2	59.9	60.0	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 18000	56.4	60.0	60.2	60.3	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 16000	56.6	60.3	60.4	60.5	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 14000	57.1	61.0	61.1	61.2	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 12000	59.7	64.3	64.4	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 10000	61.4	66.3	66.5	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 9000	63.1	68.1	68.3	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 8000	64.8	70.5	70.6	70.7	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 7000	65.5	71.6	71.7	71.8	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
IV 6000	66.2	72.4	72.7	72.8	72.9	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 5000	68.3	74.7	74.9	75.0	75.1	75.1	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 4500	69.3	75.9	76.1	76.2	76.3	76.3	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 4000	70.7	77.5	77.8	77.9	78.0	78.0	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 3500	71.8	79.1	79.3	79.4	79.7	79.7	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3000	73.6	81.7	82.0	82.2	82.8	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 2500	74.8	83.5	83.8	84.2	84.8	84.8	84.9	85.1	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4
IV 2000	76.0	85.4	86.0	86.3	86.9	86.9	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.8	87.8	87.8
IV 1800	76.1	85.5	86.1	86.4	87.0	87.0	87.5	87.8	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0
IV 1500	76.5	86.2	87.0	87.5	88.1	88.2	88.7	89.1	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3
IV 1200	76.7	87.2	88.0	88.7	89.5	89.7	90.1	90.5	90.6	90.6	90.6	90.6	90.6	90.7	90.7	90.7
IV 1000	77.1	87.8	88.6	89.6	90.6	91.0	91.6	91.9	92.0	92.0	92.0	92.0	92.0	92.2	92.2	92.2
IV 900	77.2	88.0	88.8	90.1	91.2	91.4	92.2	92.6	92.7	92.7	92.7	92.7	92.7	92.9	92.9	92.9
IV 800	77.2	88.2	89.5	90.8	91.9	92.2	93.0	93.7	93.8	93.8	93.8	93.8	93.8	94.1	94.1	94.1
IV 700	77.2	88.5	89.9	91.4	92.7	93.0	93.8	94.8	94.9	95.0	95.1	95.2	95.4	95.6	95.6	95.6
IV 600	77.2	88.6	90.1	91.9	93.2	93.5	94.4	95.5	95.7	95.8	96.1	96.2	96.3	96.6	96.6	96.6
IV 500	77.2	88.6	90.1	91.9	93.3	93.6	94.6	96.2	96.4	96.6	96.8	97.0	97.1	97.4	97.4	97.4
IV 400	77.2	88.6	90.1	91.9	93.3	93.7	94.8	96.7	96.9	97.0	97.4	97.6	97.7	98.0	98.0	98.0
IV 300	77.2	88.6	90.2	92.0	93.5	93.8	94.9	96.9	97.3	97.5	98.0	98.2	98.3	98.6	98.6	98.6
IV 200	77.2	88.6	90.2	92.0	93.5	93.8	94.9	97.0	97.4	97.6	98.3	98.6	98.8	99.0	99.2	99.3
IV 100	77.2	88.6	90.2	92.2	93.6	93.9	95.0	97.1	97.5	97.7	98.5	98.7	98.9	99.2	99.3	99.8
IV 0	77.2	88.6	90.2	92.2	93.6	93.9	95.0	97.1	97.5	97.7	98.5	98.7	98.9	99.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 841

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14 703

WESTOVER AFB MA

70,73-81

USE WITH CAUTION  
 SEE FIRST PAGE

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY - STATUTE MILES:																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0	
NO CEILING IN 20000	50.9	54.4	54.4	54.4	54.7	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
IN 18000 IV 16000	53.4	57.0	57.0	57.0	57.2	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 14000	53.6	57.1	57.1	57.1	57.4	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
IV 12000	54.1	57.7	57.7	57.7	58.0	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 10000 IV 9000	55.9	59.6	59.6	59.6	59.9	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 8000 IV 7000	57.2	61.1	61.1	61.1	61.4	61.5	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 6000 IV 5000	58.4	62.3	62.3	62.3	62.6	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 4500 IV 4000	62.1	66.7	66.7	66.9	67.2	67.3	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 3500 IV 3000	62.9	67.6	67.6	67.8	68.0	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 2500 IV 2000	63.9	68.6	68.6	68.8	69.1	69.2	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 1800 IV 1500	65.7	70.9	70.9	71.3	71.6	71.7	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 1200 IV 1000	67.5	72.8	72.8	73.2	73.5	73.7	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 900 IV 800	69.5	75.0	75.0	75.4	75.7	75.9	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 700 IV 600	70.9	76.9	76.9	77.5	78.1	78.3	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 500 IV 400	73.7	79.9	80.2	80.9	81.7	81.8	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 300 IV 200	74.4	80.9	81.2	82.0	82.8	83.0	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 100 IV 0	75.7	82.4	83.1	83.9	84.9	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
	76.2	82.8	83.6	84.3	85.4	85.8	86.1	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
	77.1	85.1	86.2	87.1	88.3	88.8	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
	77.8	86.8	88.2	89.2	90.5	91.4	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
	78.7	88.2	89.5	90.5	92.0	92.9	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
	78.7	88.3	89.6	90.7	92.2	93.0	93.3	93.6	93.6	93.6	93.6	93.6	93.8	93.8	93.8	93.8	93.8
	78.7	88.3	89.9	91.3	92.8	93.8	94.1	94.4	94.5	94.5	94.5	94.5	94.7	94.7	94.7	94.7	94.7
	78.7	88.3	90.1	91.4	93.0	94.1	94.4	94.8	95.0	95.0	95.0	95.0	95.1	95.1	95.1	95.1	95.1
	78.7	88.6	90.5	92.0	93.8	94.8	95.6	96.0	96.2	96.2	96.2	96.3	96.4	96.4	96.4	96.4	96.4
	78.7	88.9	90.8	92.5	94.2	95.4	96.2	96.7	97.0	97.0	97.0	97.2	97.3	97.3	97.5	97.5	97.6
	78.7	88.9	90.8	92.5	94.2	95.7	96.4	97.2	97.6	97.6	97.6	97.9	98.1	98.1	98.2	98.2	98.4
	78.7	88.9	90.8	92.5	94.2	95.7	96.6	97.3	97.9	98.1	98.2	98.5	98.7	98.8	99.1	99.4	99.7
	78.7	88.9	90.8	92.5	94.2	95.7	96.6	97.3	98.1	98.2	98.2	98.5	98.7	98.8	99.3	99.6	99.7
	78.7	88.9	90.8	92.5	94.2	95.7	96.7	97.5	98.2	98.4	98.4	98.7	98.8	99.3	99.6	99.7	99.9
	78.7	88.9	90.8	92.5	94.2	95.7	96.7	97.5	98.2	98.4	98.7	98.8	99.3	99.6	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 676

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14 703

WESTOVER AFB MA

70,73-81

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING	47.8	50.7	50.9	51.1	51.3	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6
≥ 20000	52.9	56.2	56.8	56.8	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.4
IV 18000	53.0	56.3	56.8	56.9	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.5
IV 16000	53.0	56.3	56.7	56.9	57.2	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5
IV 14000	53.7	57.1	57.5	57.7	58.0	58.0	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3
IV 12000	55.5	59.2	59.6	59.9	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4
IV 10000	57.4	61.4	61.8	62.0	62.3	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.6
IV 9000	58.3	62.3	62.7	63.0	63.3	63.3	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.6
IV 8000	60.6	65.1	65.7	66.0	66.4	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.7	66.7	66.7
IV 7000	61.5	66.3	66.8	67.3	67.6	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.0	68.0	68.0
IV 6000	62.6	67.6	68.2	68.7	69.0	69.1	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.6	69.6
IV 5000	64.5	70.0	70.6	71.2	71.6	71.6	71.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1
IV 4500	65.6	71.1	71.7	72.3	72.7	72.8	72.8	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.3	73.3
IV 4000	67.3	73.1	73.8	74.4	74.8	74.8	74.9	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.4
IV 3500	69.1	75.2	75.9	76.6	77.0	77.1	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.8
IV 3000	71.4	78.1	78.9	79.6	80.3	80.4	80.5	80.8	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.1
IV 2500	72.6	79.6	80.7	81.5	82.2	82.3	82.5	82.8	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.1	83.1
IV 2000	73.8	81.5	82.6	83.5	84.3	84.6	84.9	85.3	85.4	85.4	85.5	85.5	85.5	85.5	85.6	85.6	85.7
IV 1800	73.9	81.8	82.9	83.9	84.7	85.0	85.3	85.7	85.8	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.1
IV 1500	74.7	83.2	84.5	85.6	86.5	86.9	87.3	87.8	87.9	88.0	88.1	88.1	88.2	88.2	88.3	88.3	88.3
IV 1200	75.1	84.4	85.8	87.0	88.2	88.8	89.3	89.8	90.1	90.2	90.3	90.3	90.4	90.5	90.5	90.6	90.6
IV 1000	75.3	85.0	86.5	87.9	89.3	90.0	90.6	91.2	91.5	91.7	91.9	91.9	92.0	92.1	92.1	92.2	92.2
IV 900	75.4	85.2	86.7	88.1	89.6	90.6	91.2	91.9	92.2	92.4	92.6	92.6	92.8	92.8	92.9	93.0	93.0
IV 800	75.4	85.3	87.0	88.7	90.3	91.1	91.7	92.5	92.9	93.2	93.4	93.4	93.6	93.6	93.7	93.7	93.7
IV 700	75.4	85.5	87.2	89.0	90.7	91.6	92.2	93.1	93.5	93.9	94.2	94.2	94.4	94.5	94.5	94.6	94.6
IV 600	75.4	85.6	87.4	89.3	91.0	92.0	92.7	93.7	94.1	94.7	95.0	95.1	95.3	95.4	95.5	95.6	95.6
IV 500	75.4	85.7	87.5	89.6	91.5	92.5	93.3	94.4	95.0	95.6	95.9	96.1	96.4	96.5	96.6	96.7	96.7
IV 400	75.4	85.7	87.5	89.7	91.6	92.8	93.6	95.0	95.6	96.2	96.7	96.9	97.2	97.3	97.4	97.5	97.5
IV 300	75.4	85.7	87.6	89.7	91.6	92.8	93.8	95.2	95.9	96.7	97.3	97.6	98.1	98.3	98.4	98.6	98.6
IV 200	75.4	85.7	87.6	89.7	91.6	92.8	93.8	95.3	96.0	96.8	97.5	97.8	98.5	98.7	99.0	99.3	99.3
IV 100	75.4	85.7	87.6	89.7	91.7	92.8	93.8	95.3	96.0	96.8	97.6	97.9	98.6	98.9	99.2	99.8	99.8
IV 0	75.4	85.7	87.6	89.7	91.7	92.8	93.8	95.3	96.0	96.8	97.6	97.9	98.6	98.9	99.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 5440

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75  
YEARS

USE WITH CAUTION  
 SEE FIRST PAGE

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0000-3200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	45.4	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.7
≥ 20000	47.3	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.7
IV 18000	47.3	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.7
IV 16000	47.3	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.7
IV 14000	47.5	49.0	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.9
IV 12000	48.2	49.7	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.5
IV 10000	50.1	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.5
IV 9000	50.5	52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.9
IV 8000	53.3	55.3	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.6
IV 7000	55.3	57.6	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.9
IV 6000	56.6	59.4	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.6
IV 5000	60.2	63.0	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	64.3
IV 4500	61.7	64.5	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.8
IV 4000	66.2	69.5	70.5	70.5	70.5	70.5	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	71.2
IV 3500	67.7	71.0	72.3	72.3	72.3	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.9
IV 3000	69.9	73.5	75.1	75.1	75.1	75.1	75.5	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	76.1
IV 2500	73.3	75.5	77.0	77.0	77.2	77.2	77.4	77.4	77.4	77.4	77.6	77.6	77.6	77.6	77.6	78.1
IV 2000	71.6	77.8	79.4	79.4	79.6	79.6	80.0	80.0	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.6
IV 1800	71.6	78.1	79.8	79.8	80.0	80.0	80.4	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6	81.1
IV 1500	71.6	78.3	80.4	80.6	80.9	80.9	81.5	81.5	81.7	81.9	81.9	81.9	81.9	81.9	81.9	82.4
IV 1200	72.7	78.9	81.7	82.2	82.4	82.6	83.2	83.4	83.7	83.9	83.9	83.9	83.9	83.9	83.9	84.3
IV 1000	72.5	79.4	82.4	83.7	83.9	84.7	85.4	86.0	86.2	86.5	86.5	86.5	86.5	86.5	86.5	86.9
IV 900	72.5	79.4	82.4	83.7	83.9	84.7	85.8	86.5	87.3	87.5	87.5	87.5	87.5	87.5	87.5	88.0
IV 800	72.5	79.6	83.0	84.3	84.5	85.4	86.5	87.3	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.8
IV 700	72.7	80.2	83.9	85.2	85.4	86.5	88.2	89.0	89.9	90.1	90.3	90.3	90.3	90.3	90.3	90.8
IV 600	72.7	80.2	84.1	85.4	85.6	86.9	89.0	89.9	90.8	91.0	91.2	91.2	91.2	91.2	91.2	91.6
IV 500	72.7	80.4	84.3	85.6	85.8	87.5	89.7	91.0	91.8	92.0	92.3	92.3	92.3	92.3	92.3	92.7
IV 400	72.7	80.4	84.3	85.6	86.2	88.2	90.8	92.3	93.3	93.8	94.0	94.0	94.0	94.0	94.0	94.4
IV 300	72.7	80.4	84.3	85.6	86.2	88.2	91.2	93.1	94.4	94.8	95.3	95.5	95.5	95.5	95.5	96.6
IV 200	72.7	80.4	84.3	85.6	86.2	88.2	91.2	93.1	94.4	94.8	95.5	95.7	96.3	96.3	96.3	97.4
IV 100	72.7	80.4	84.3	85.6	86.2	88.2	91.2	93.1	94.4	94.8	95.7	95.9	97.0	97.0	97.4	98.9
IV 0	72.7	80.4	84.3	85.6	86.2	88.2	91.2	93.1	94.4	94.8	95.7	95.9	97.2	97.2	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 465

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70, 73-75  
 YEARS

USE WITH CAUTION  
 SEE FIRST PAGE

MAP  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0	
NO CEILING	45.2	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.3	47.3	47.5	47.7
≥ 2000	48.6	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.8	50.8	51.0	51.2
IV 18000	48.6	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.8	50.8	51.0	51.2
IV 16000	48.6	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.8	50.8	51.0	51.2
IV 14000	48.6	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.8	50.8	51.0	51.2
IV 12000	49.5	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.6	51.6	51.8	52.0
IV 10000	50.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.7	52.7	52.9	53.1
IV 9000	51.4	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	54.0	54.0	54.2	54.4
IV 8000	55.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.7	58.7	58.9	59.1
IV 7000	55.5	59.1	59.1	59.1	59.1	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.6	59.6	59.8	60.0
IV 6000	56.1	59.4	59.4	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.8	59.8	60.0	60.2
IV 5000	58.5	62.4	62.6	62.6	62.6	62.6	62.8	63.4	63.4	63.7	63.7	63.7	63.7	63.9	63.9	64.1	64.3
IV 4500	59.1	63.0	63.2	63.2	63.2	63.4	64.1	64.1	64.3	64.3	64.3	64.3	64.3	64.5	64.5	64.7	64.9
IV 4000	62.6	67.3	67.5	67.5	67.5	67.7	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.8	68.8	69.0	69.2
IV 3500	65.2	70.3	70.5	71.0	71.0	71.2	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.3	72.3	72.5	72.7
IV 3000	67.5	72.7	73.5	74.0	74.0	74.2	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.3	75.3	75.5	75.7
IV 2500	69.5	75.5	76.3	76.8	76.8	77.0	77.6	77.6	77.8	77.8	77.8	77.8	77.8	78.1	78.1	78.3	78.5
IV 2000	71.2	78.3	79.6	80.2	80.2	80.4	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.5	81.5	81.7	81.9
IV 1800	71.6	78.7	80.0	80.6	80.6	80.9	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.9	81.9	82.2	82.4
IV 1500	72.0	79.4	80.6	81.5	81.7	81.9	82.6	82.6	83.0	83.2	83.4	83.4	83.7	83.7	83.9	84.1	
IV 1200	72.5	80.9	82.8	83.9	84.9	85.2	86.2	86.5	86.7	86.9	87.1	87.1	87.3	87.3	87.5	87.7	
IV 1000	72.5	81.5	83.4	84.5	86.0	86.5	87.7	88.0	88.2	88.4	88.6	88.6	88.8	88.8	89.0	89.2	
IV 900	72.5	81.5	83.4	84.5	86.0	86.7	88.0	88.6	88.8	89.0	89.2	89.2	89.5	89.5	89.7	89.9	
IV 800	72.7	82.4	84.5	85.6	87.1	87.7	89.0	90.1	90.3	90.8	91.0	91.0	91.2	91.2	91.4	91.6	
IV 700	72.7	82.8	85.2	86.2	88.0	88.8	90.1	91.4	91.6	92.0	92.3	92.3	92.5	92.5	92.7	92.9	
IV 600	72.7	82.8	85.2	86.2	88.0	88.8	90.3	91.8	92.3	92.7	92.9	92.9	93.1	93.1	93.3	93.5	
IV 500	72.7	83.0	85.6	86.7	88.8	89.7	91.2	92.7	93.1	93.5	93.8	93.8	94.0	94.0	94.2	94.4	
IV 400	72.7	83.0	85.6	86.7	88.8	89.7	91.2	92.7	93.1	93.8	94.0	94.0	94.2	94.2	94.4	94.6	
IV 300	72.7	83.0	85.6	86.7	88.8	89.9	92.0	94.6	95.1	95.7	95.9	95.9	96.1	96.6	96.8	97.0	
IV 200	72.7	83.0	85.6	86.7	88.8	90.1	92.3	94.8	95.3	95.9	96.3	96.3	96.6	97.0	97.2	97.4	
IV 100	72.7	83.0	85.6	86.7	88.8	90.1	92.3	94.8	95.7	96.3	96.8	96.8	97.0	97.4	98.5	98.9	
IV 0	72.7	83.0	85.6	86.7	88.8	90.1	92.3	94.8	95.7	96.3	96.8	96.8	97.0	97.4	98.5	100.0	

TOTAL NUMBER OF OBSERVATIONS 465



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

USE WITH CAUTION  
SEE FIRST PAGE

MAP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

3600-0800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	40.9	43.8	43.8	43.9	44.0	44.0	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
≥ 20000	44.9	48.3	48.4	48.5	48.6	48.6	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.9	48.9	48.9
≥ 18000	45.2	48.5	48.6	48.8	48.9	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.2	49.2	49.2
≥ 16000	45.2	48.5	48.6	48.8	48.9	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.2	49.2	49.2
≥ 14000	45.4	48.9	49.0	49.2	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5
≥ 12000	46.7	50.3	50.5	50.6	50.7	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	51.0	51.0	51.0
≥ 10000	48.6	52.9	53.0	53.2	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.7	53.7	53.7
≥ 9000	48.9	53.7	53.8	54.1	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.6	54.6	54.6
≥ 8000	51.9	57.8	57.9	58.3	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8
≥ 7000	53.0	59.1	59.2	59.6	59.8	59.8	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.4	60.4	60.4
≥ 6000	54.2	60.4	60.5	60.9	61.1	61.1	61.3	61.3	61.4	61.5	61.5	61.5	61.5	61.6	61.6	61.6
≥ 5000	56.4	62.8	62.9	63.3	63.6	63.6	63.7	63.7	63.8	64.0	64.1	64.1	64.2	64.2	64.2	64.2
≥ 4500	57.3	63.7	63.8	64.2	64.5	64.5	64.6	64.6	64.7	65.0	65.1	65.1	65.3	65.3	65.3	65.3
≥ 4000	58.4	65.0	65.1	65.6	65.9	65.9	66.0	66.0	66.2	66.4	66.5	66.5	66.7	66.7	66.7	66.7
≥ 3500	61.8	68.7	68.9	69.8	70.0	70.0	70.1	70.1	70.3	70.5	70.7	70.7	70.8	70.8	70.8	70.8
≥ 3000	63.1	70.8	71.0	72.2	72.5	72.5	72.6	72.7	72.8	73.1	73.2	73.2	73.4	73.4	73.4	73.4
≥ 2500	65.8	74.0	74.4	75.5	75.8	75.8	76.1	76.2	76.3	76.6	76.7	76.7	76.8	76.8	76.8	76.8
≥ 2000	67.7	76.2	76.6	77.9	78.1	78.2	78.6	78.8	79.0	79.3	79.5	79.5	79.7	79.7	79.7	79.8
≥ 1800	68.0	77.0	77.3	78.6	79.0	79.2	79.5	79.7	79.9	80.2	80.4	80.4	80.6	80.6	80.6	80.7
≥ 1500	68.5	78.1	78.8	80.2	80.7	81.0	81.3	81.6	81.9	82.1	82.4	82.4	82.5	82.5	82.5	82.6
≥ 1200	69.6	80.0	81.6	83.0	84.0	84.3	84.8	85.2	85.7	86.0	86.4	86.5	86.6	86.6	86.6	86.7
≥ 1000	69.6	81.0	82.1	84.3	85.5	85.8	86.6	87.3	87.8	88.2	88.5	88.8	88.9	88.9	88.9	89.1
≥ 900	69.6	81.6	82.9	85.1	86.2	86.6	87.4	88.0	88.5	89.1	89.4	89.7	89.8	89.8	89.8	90.0
≥ 800	69.6	81.7	83.1	85.6	87.0	87.4	88.2	89.2	89.7	90.2	90.6	90.9	91.0	91.0	91.0	91.1
≥ 700	69.6	81.7	83.4	86.0	88.2	88.5	89.3	90.5	91.1	91.6	92.1	92.4	92.8	92.8	92.8	92.9
≥ 600	69.6	81.7	83.5	86.1	88.3	88.9	89.8	91.4	92.0	92.5	93.1	93.3	93.7	93.8	93.8	94.0
≥ 500	69.6	81.7	83.7	86.4	88.9	89.6	90.6	92.1	92.8	93.4	94.0	94.2	94.7	94.9	94.9	95.0
≥ 400	69.6	81.7	83.7	86.4	88.9	89.7	91.0	92.8	93.6	94.2	95.0	95.2	95.9	96.0	96.0	96.1
≥ 300	69.6	81.7	83.7	86.4	88.9	89.7	91.0	93.1	93.8	94.7	95.6	95.9	96.5	96.7	96.9	97.0
≥ 200	69.6	81.7	83.8	86.5	89.1	90.0	91.2	93.6	94.3	95.5	96.5	96.9	97.7	97.8	98.1	96.7
≥ 100	69.6	81.7	83.8	86.5	89.1	90.0	91.2	93.6	94.5	95.6	96.9	97.4	98.2	98.3	98.7	99.9
≥ 0	69.6	81.7	83.8	86.5	89.1	90.0	91.2	93.6	94.5	95.6	96.9	97.4	98.3	98.5	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 777

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1703

WESTOVER AFB MA

69-70,73-80

MAC

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-110  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 1/8
NO CEILING ≥ 20000	41.6	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 18000 IV 6000	44.7	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 14000 IV 2000	45.2	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 12000 IV 9000	46.7	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 8000 IV 7000	48.7	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
IV 6000 IV 5000	49.4	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 4500 IV 4000	52.4	57.6	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 3500 IV 3000	54.5	59.8	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 3000 IV 2500	55.4	60.6	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 2500 IV 2000	56.1	61.6	62.0	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 2000 IV 1800	57.5	63.1	63.5	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 1800 IV 1500	60.2	66.1	66.7	66.9	66.9	66.9	67.0	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 1500 IV 1200	64.2	70.4	71.0	71.2	71.2	71.2	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 1200 IV 1000	67.3	74.2	74.8	75.2	75.2	75.2	75.3	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 1000 IV 900	69.6	77.2	78.0	78.3	78.3	78.4	78.5	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 900 IV 800	71.3	79.5	80.2	80.6	80.6	80.8	80.9	81.2	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6
IV 800 IV 700	71.4	79.7	80.4	80.9	81.0	81.1	81.2	81.6	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0
IV 700 IV 600	72.6	81.5	82.3	82.8	83.0	83.1	83.3	83.9	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4
IV 600 IV 500	73.1	82.9	83.9	84.9	85.6	85.9	86.2	87.3	87.7	87.7	88.2	88.2	88.2	88.2	88.2	88.2
IV 500 IV 400	73.4	83.7	84.8	86.0	86.9	87.2	87.5	88.6	89.0	89.0	89.5	89.5	89.5	89.5	89.5	89.5
IV 400 IV 300	73.4	83.9	85.2	86.3	87.6	88.1	88.5	89.6	90.0	90.0	90.5	90.5	90.5	90.5	90.5	90.5
IV 300 IV 200	73.5	84.1	86.0	87.5	89.8	90.4	91.1	92.8	93.2	93.3	94.1	94.0	94.1	94.4	94.4	94.4
IV 200 IV 100	73.5	84.2	86.1	88.1	90.3	91.0	91.9	94.0	94.5	94.7	95.5	95.6	95.7	96.0	96.7	96.7
IV 100 IV 0	73.5	84.2	86.1	88.1	90.3	91.1	92.5	94.8	95.6	96.1	97.2	97.5	97.8	98.3	98.3	98.3
	73.5	84.2	86.1	88.1	90.3	91.1	92.5	95.2	95.9	96.6	97.7	98.1	98.6	99.5	99.6	100.0
	73.5	84.2	86.1	88.1	90.3	91.1	92.5	95.2	95.9	96.6	97.7	98.1	98.6	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 97

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS V

14-3  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-87  
 YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES													
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16
NO CEILING	41.1	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
≥ 20000	45.9	47.6	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
IV 18000	46.1	47.8	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 16000	46.2	48.0	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 14000	46.9	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 12000	47.5	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 10000	50.0	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 9000	51.9	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 8000	53.3	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 7000	54.9	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3
IV 6000	55.6	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9
IV 5000	56.6	59.7	60.1	60.1	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3
IV 4500	59.5	62.6	63.1	63.0	63.1	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 4000	63.8	67.9	68.1	68.2	68.3	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 3500	68.1	71.9	72.5	72.6	72.8	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1
IV 3000	71.6	75.9	76.5	76.6	76.8	77.1	77.3	77.4	77.4	77.5	77.5	77.5	77.5	77.5
IV 2500	74.4	79.2	80.0	80.1	80.3	80.6	81.0	81.1	81.1	81.3	81.3	81.3	81.3	81.3
IV 2000	76.3	81.6	82.5	82.6	82.8	83.1	83.4	83.5	83.5	83.8	83.8	83.8	83.8	83.8
IV 1800	76.7	82.3	83.1	83.3	83.8	84.2	84.5	84.6	84.6	84.8	84.8	84.8	84.8	84.8
IV 1500	77.3	83.8	84.8	85.2	85.8	86.5	86.8	87.1	87.1	87.3	87.3	87.3	87.3	87.3
IV 1200	77.8	85.1	86.6	87.1	87.8	88.6	89.1	89.5	89.5	89.7	89.8	89.8	89.8	89.8
IV 1000	78.2	85.8	87.4	88.2	89.1	90.0	90.5	91.0	91.0	91.3	91.4	91.6	91.7	91.7
IV 900	78.2	86.0	87.7	88.5	89.6	90.5	91.1	91.5	91.5	91.8	91.9	92.2	92.3	92.3
IV 800	78.2	86.1	88.4	89.6	90.9	91.9	92.5	93.0	93.0	93.3	93.4	93.7	93.8	93.8
IV 700	78.2	86.2	88.9	90.4	91.7	93.0	93.8	94.4	94.4	94.7	94.8	95.1	95.2	95.2
IV 600	78.2	86.3	89.4	90.9	92.2	93.4	94.3	95.3	95.4	95.7	95.8	96.0	96.2	96.2
IV 500	78.2	86.5	89.5	91.0	92.4	93.7	94.6	95.6	95.7	96.0	96.3	96.7	96.9	97.0
IV 400	78.2	86.5	89.5	91.0	92.6	93.9	94.9	96.1	96.3	96.7	97.0	97.3	97.5	97.5
IV 300	78.2	86.5	89.5	91.1	92.9	94.2	95.4	96.9	97.1	97.4	97.7	98.1	98.4	98.4
IV 200	78.2	86.5	89.5	91.1	92.9	94.3	95.5	97.0	97.3	97.6	98.1	98.5	99.1	99.1
IV 100	78.2	86.5	89.5	91.1	92.9	94.3	95.5	97.0	97.3	97.6	98.1	98.6	99.2	99.2
IV 0	78.2	86.5	89.5	91.1	92.9	94.3	95.5	97.0	97.3	97.6	98.1	98.6	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

ALL INFORMATION ON THIS FORM IS OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14723  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

MAR  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	43.8	44.6	44.6	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 2000	49.9	51.1	51.1	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 1800	50.0	51.2	51.2	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 1500	51.0	51.2	51.2	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 1400	50.3	51.9	51.9	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
≥ 1200	52.3	53.7	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 1000	54.0	55.6	55.6	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 900	54.8	56.5	56.6	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 800	57.3	59.4	59.6	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 700	58.8	61.2	61.4	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 600	59.5	61.8	62.0	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 500	61.6	64.1	64.3	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 450	63.7	66.1	66.3	66.8	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 400	68.9	72.4	72.7	73.3	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 350	71.9	75.6	75.9	76.6	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 300	74.3	78.6	78.9	79.7	79.9	80.0	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 250	76.6	81.4	81.7	82.5	82.7	82.9	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 200	78.2	83.9	84.3	85.1	85.3	85.5	85.6	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 180	78.3	84.1	84.5	85.3	85.5	85.7	85.8	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 150	78.7	85.4	85.8	86.7	87.0	87.3	87.4	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 120	79.6	86.6	87.2	88.3	88.9	89.4	89.7	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 100	79.8	87.6	88.3	89.8	90.4	91.2	91.6	92.5	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8
≥ 90	79.9	87.8	88.6	90.2	91.0	91.7	92.2	93.0	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3
≥ 80	79.9	88.0	88.8	90.8	91.6	92.6	93.1	94.1	94.4	94.4	94.5	94.5	94.5	94.6	94.6	94.6
≥ 70	79.9	88.1	88.9	91.3	92.3	93.2	93.9	94.8	95.2	95.2	95.3	95.4	95.5	95.6	95.6	95.6
≥ 60	79.9	88.1	88.9	91.3	92.4	93.3	94.1	95.5	95.9	95.9	96.0	96.1	96.2	96.3	96.6	96.6
≥ 50	79.9	88.1	89.0	91.5	92.7	93.8	94.5	96.0	96.5	96.5	96.6	96.7	96.8	96.9	97.1	97.1
≥ 40	79.9	88.1	89.0	91.5	92.8	93.9	94.7	96.3	97.1	97.1	97.4	97.5	97.7	97.8	98.1	98.1
≥ 300	79.9	88.1	89.0	91.5	92.8	93.9	94.7	96.3	97.3	97.5	97.8	98.1	98.4	98.5	98.7	98.6
≥ 200	79.9	88.1	89.0	91.5	92.8	94.1	95.2	97.2	98.2	98.4	98.7	98.9	99.2	99.4	99.6	99.7
≥ 100	79.9	88.1	89.0	91.5	92.8	94.1	95.2	97.2	98.2	98.4	98.7	98.9	99.2	99.4	99.6	99.9
≥ 0	79.9	88.1	89.0	91.5	92.8	94.1	95.2	97.2	98.2	98.4	98.7	98.9	99.2	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

MAP  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18.0-2000  
 HOURS (L.S.V.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 2000	49.6	51.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 1800 ≥ 1500	53.2	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9
≥ 1400 ≥ 1200	53.4	54.8	54.8	54.8	54.9	54.9	54.9	54.9	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2
≥ 1000 ≥ 900	53.9	55.2	55.2	55.2	55.3	55.3	55.3	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 800 ≥ 700	54.3	56.7	56.8	56.8	56.9	56.9	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 600 ≥ 500	56.8	58.6	58.7	58.7	58.8	58.8	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 450 ≥ 400	57.1	58.9	59.0	59.0	59.1	59.1	59.1	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 300 ≥ 200	58.8	61.2	61.6	61.6	61.9	61.9	61.9	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 150 ≥ 100	59.9	62.7	63.1	63.1	63.4	63.4	63.4	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 75 ≥ 50	61.3	63.5	64.1	64.1	64.4	64.4	64.4	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 25	62.6	65.8	66.3	66.3	66.7	66.7	66.8	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 15	63.7	67.0	67.5	67.5	67.8	68.0	68.1	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10	66.3	69.8	70.4	70.4	70.8	70.9	71.0	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 5	69.9	74.0	74.6	74.6	74.9	75.1	75.3	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 3	71.6	76.9	77.5	77.6	78.2	78.3	78.6	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 2	72.9	78.3	79.4	79.4	79.5	80.0	80.1	80.4	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 1	74.6	81.6	83.2	83.5	84.1	84.3	85.1	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 0.5	74.8	82.3	83.7	84.1	84.6	84.8	85.6	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 0.25	75.3	83.3	84.8	85.5	86.0	86.2	87.0	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 0.15	75.4	84.3	86.2	87.2	88.1	88.4	89.4	89.8	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 0.1	75.4	84.5	86.7	87.8	88.7	89.1	90.1	90.8	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 0.075	75.4	84.8	87.2	88.4	89.2	89.7	90.6	91.3	91.5	91.8	91.8	91.8	91.8	92.2	92.2	92.2
≥ 0.05	75.4	85.1	87.6	88.8	89.8	90.2	91.2	91.8	92.0	92.4	92.4	92.4	92.4	92.7	92.7	92.7
≥ 0.0375	75.4	85.2	87.8	89.5	90.8	91.2	92.3	92.9	93.1	93.5	93.8	93.8	94.1	94.2	94.3	94.3
≥ 0.025	75.4	85.3	88.0	89.7	91.3	91.7	93.0	94.1	94.3	94.8	95.1	95.1	95.4	95.5	95.6	95.6
≥ 0.01875	75.4	85.3	88.0	89.7	91.4	91.8	93.1	94.5	94.7	95.5	95.7	95.8	96.1	96.2	96.3	96.3
≥ 0.015	75.4	85.3	88.0	89.8	91.5	92.0	93.3	94.8	95.1	96.1	96.7	97.0	97.3	97.4	97.5	97.5
≥ 0.0125	75.4	85.3	88.0	89.8	91.6	92.2	93.4	94.9	95.3	96.3	97.0	97.3	97.7	97.8	98.1	98.1
≥ 0.01	75.4	85.3	88.0	89.8	91.6	92.2	93.4	95.1	95.8	97.2	98.0	98.3	98.8	98.9	99.1	99.6
≥ 0.0075	75.4	85.3	88.0	89.8	91.6	92.2	93.4	95.2	95.9	97.5	98.3	98.6	99.2	99.4	99.6	100.0
≥ 0.005	75.4	85.3	88.0	89.8	91.6	92.2	93.4	95.2	95.9	97.5	98.3	98.6	99.2	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
 SEE FIRST PAGE

1473  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

MAP  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 0	≥ 0.25	≥ 0.5	≥ 0.75	≥ 1.0	≥ 1.5	≥ 2.0	≥ 2.5	≥ 3.0	≥ 4.0	≥ 5.0	≥ 6.0	≥ 7.0	≥ 8.0	≥ 10	≥ 15
≥ 2000	49.8	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 1800	53.7	55.6	55.7	55.7	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 1600	53.7	55.6	55.7	55.7	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 1400	53.7	55.6	55.7	55.7	55.7	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 1200	54.3	56.4	56.5	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 1000	56.5	58.3	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 800	56.5	59.0	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 600	59.0	62.5	63.0	63.0	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 400	61.7	65.2	65.7	65.7	65.8	65.8	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2
≥ 200	61.5	65.7	66.2	66.2	66.3	66.3	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7
≥ 100	63.3	68.4	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 800	64.4	69.2	69.8	69.8	69.8	69.9	69.9	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3
≥ 600	66.5	71.2	71.9	71.9	72.0	72.0	72.3	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5
≥ 400	67.9	73.0	73.7	73.7	73.8	73.8	74.1	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3
≥ 200	69.9	75.5	76.3	76.3	76.6	76.6	77.0	77.3	77.3	77.3	77.5	77.7	77.7	77.7	77.7	77.8
≥ 100	70.5	77.0	77.8	77.8	78.5	78.5	78.8	79.1	79.1	79.1	79.4	79.5	79.5	79.5	79.5	79.6
≥ 800	71.5	79.5	80.6	80.6	81.5	81.5	82.1	82.3	82.3	82.3	82.6	82.7	82.8	82.8	82.8	83.0
≥ 600	71.7	79.9	81.0	81.2	81.9	81.9	82.5	82.7	82.7	82.7	83.0	83.1	83.1	83.2	83.2	83.2
≥ 400	72.1	80.5	81.9	82.3	83.2	83.2	83.7	84.4	84.4	84.4	84.6	84.8	84.8	84.9	84.9	84.9
≥ 200	72.1	81.4	83.5	84.1	85.0	85.4	86.1	86.7	86.7	86.7	87.0	87.1	87.1	87.2	87.2	87.2
≥ 100	72.1	82.3	84.9	85.9	87.1	87.6	88.4	89.2	89.3	89.3	89.5	89.7	89.8	89.8	89.8	89.8
≥ 800	72.1	82.3	85.7	86.2	87.4	87.9	88.8	89.5	89.7	89.9	90.1	90.1	90.2	90.2	90.2	90.3
≥ 600	72.1	82.6	85.5	86.7	87.9	88.4	89.4	90.5	90.6	91.0	91.2	91.2	91.4	91.4	91.4	91.5
≥ 400	72.1	82.7	85.6	87.1	88.4	89.0	90.1	91.2	91.4	91.9	92.3	92.3	92.4	92.4	92.4	92.5
≥ 200	72.1	82.8	86.2	87.5	88.8	89.5	91.1	92.5	92.6	93.2	93.5	93.5	93.7	93.7	93.7	93.8
≥ 100	72.1	83.0	86.3	88.0	89.4	90.2	91.9	93.4	93.5	94.1	94.8	94.8	95.0	95.0	95.0	95.1
≥ 800	72.1	83.0	86.3	88.0	89.4	90.5	92.5	94.1	94.2	94.7	95.5	95.5	95.7	95.7	95.7	95.9
≥ 600	72.1	83.1	86.5	88.3	89.9	91.0	93.2	94.7	94.8	95.5	96.4	96.5	97.0	97.0	97.0	97.3
≥ 400	72.1	83.1	86.5	88.3	89.9	91.0	93.2	94.7	95.1	95.7	96.8	97.0	97.7	97.8	97.9	98.7
≥ 200	72.1	83.1	86.5	88.3	89.9	91.0	93.2	94.7	95.2	95.9	97.0	97.4	98.2	98.3	98.7	99.7
≥ 100	72.1	83.1	86.5	88.3	89.9	91.0	93.2	94.7	95.2	95.9	97.0	97.4	98.2	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 775

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1473  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

MAR  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥ 0	≥ 0.25	≥ 0.5	≥ 1	≥ 2	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9	≥ 10	≥ 12	≥ 15	≥ 20	
NO CEILING	44.5	46.3	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.6
≥ 2000	48.6	50.7	50.8	50.8	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 1800	48.7	50.8	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 600	48.7	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.2
≥ 1400	49.0	51.1	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5
≥ 200	50.1	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.9
≥ 1000	52.1	54.7	54.8	54.8	54.9	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.1
≥ 900	52.1	55.5	55.7	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.0
≥ 800	55.3	58.7	59.1	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.4	59.4	59.4
≥ 700	56.8	60.5	60.9	61.0	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.4
≥ 600	57.8	61.3	61.7	61.8	61.9	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2
≥ 500	59.5	63.5	63.9	64.0	64.1	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5
≥ 450	60.4	65.0	65.4	65.6	65.7	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1
≥ 400	64.4	68.7	69.2	69.4	69.5	69.6	69.7	69.8	69.8	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0
≥ 1500	67.3	72.1	72.6	72.9	73.1	73.1	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.6	73.6	73.6	73.7
≥ 1000	69.6	75.1	75.7	76.1	76.3	76.4	76.7	76.7	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.1	77.1
≥ 2500	71.5	77.6	78.4	78.8	79.0	79.2	79.4	79.5	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9
≥ 2000	73.2	80.2	81.1	81.6	81.9	82.1	82.4	82.6	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.1	83.1
≥ 800	73.4	80.6	81.5	82.0	82.4	82.6	83.0	83.2	83.3	83.4	83.5	83.5	83.6	83.6	83.6	83.6	83.7
≥ 1500	73.9	81.7	82.8	83.5	84.0	84.2	84.6	85.0	85.1	85.3	85.4	85.4	85.4	85.4	85.5	85.5	85.5
≥ 200	74.4	83.0	84.5	85.4	86.1	86.5	87.1	87.6	87.7	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.2
≥ 1000	74.6	83.4	85.2	86.5	87.4	88.0	88.6	89.3	89.6	89.8	90.0	90.0	90.1	90.1	90.1	90.2	90.2
≥ 900	74.6	83.9	85.7	87.0	87.9	88.5	89.3	90.0	90.3	90.5	90.7	90.7	90.9	90.9	90.9	91.0	91.0
≥ 800	74.6	84.1	86.1	87.6	88.7	89.4	90.1	91.0	91.3	91.6	91.8	91.9	92.0	92.0	92.0	92.1	92.1
≥ 700	74.7	84.3	86.5	88.2	89.4	90.4	91.3	92.3	92.6	92.9	93.2	93.3	93.4	93.5	93.5	93.6	93.6
≥ 600	74.7	84.4	86.7	88.5	90.0	90.8	91.9	93.3	93.6	94.0	94.3	94.3	94.5	94.6	94.7	94.8	94.8
≥ 500	74.7	84.4	86.9	88.7	90.4	91.3	92.5	94.0	94.4	94.8	95.2	95.3	95.5	95.6	95.7	95.8	95.8
≥ 400	74.7	84.4	86.9	88.8	90.5	91.5	92.9	94.5	95.0	95.5	96.0	96.2	96.5	96.6	96.7	96.8	96.8
≥ 300	74.7	84.5	86.9	88.8	90.6	91.6	93.2	95.0	95.6	96.2	96.8	97.0	97.4	97.6	97.7	97.9	97.9
≥ 200	74.7	84.5	86.9	88.8	90.6	91.7	93.3	95.3	96.0	96.7	97.4	97.7	98.3	98.5	98.7	98.7	99.1
≥ 100	74.7	84.5	86.9	88.8	90.6	91.7	93.3	95.3	96.1	96.8	97.6	97.9	98.5	98.9	99.2	99.8	99.8
≥ 0	74.7	84.5	86.9	88.8	90.6	91.7	93.3	95.3	96.1	96.8	97.6	97.9	98.6	98.9	99.3	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6202

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1473  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-75  
 YEARS

USE WITH CAUTION  
 SEE FIRST PAGE

APP  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 0	≥ 0.25	≥ 0.5	≥ 0.75	≥ 1	≥ 1.5	≥ 2	≥ 2.5	≥ 3	≥ 4	≥ 5	≥ 6	≥ 7	≥ 8	≥ 9
NO CEILING	50.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 2000	52.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	55.1
≥ 1800	53.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.8
≥ 1600	53.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.8
≥ 1400	54.7	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.7
≥ 1200	54.7	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.9
≥ 1000	56.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.6
≥ 900	58.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	62.2
≥ 800	60.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	64.7
≥ 700	62.7	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.4
≥ 600	63.6	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.6
≥ 500	65.3	68.7	68.9	68.9	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.8
≥ 450	66.9	70.7	71.1	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	72.0
≥ 400	71.1	75.3	75.8	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.9
≥ 350	72.7	76.9	77.3	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.4
≥ 300	74.4	78.7	79.1	79.3	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	80.2
≥ 250	76.0	80.2	80.7	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.8
≥ 200	77.9	83.6	84.2	84.4	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.8
≥ 180	77.9	84.4	85.3	85.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.4
≥ 150	79.8	84.4	85.3	85.8	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.3
≥ 120	80.4	85.6	86.4	86.9	87.8	88.0	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.7
≥ 100	80.7	86.9	87.8	88.4	90.0	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.9
≥ 90	80.9	87.3	88.2	88.9	90.4	90.7	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.0
≥ 80	81.1	87.6	88.7	89.3	91.1	91.3	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.7
≥ 70	81.1	87.8	89.1	90.2	92.2	92.4	93.1	93.6	93.6	93.6	93.6	93.6	93.6	93.6	94.0
≥ 60	81.1	88.0	89.3	90.7	92.7	92.9	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.7
≥ 500	81.1	88.2	89.6	91.6	94.2	94.4	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.2
≥ 400	81.1	88.7	90.0	92.0	94.9	95.1	96.4	97.1	97.3	97.3	97.3	97.3	97.6	97.6	98.2
≥ 300	81.1	88.9	90.2	92.2	95.1	95.8	97.6	98.2	98.4	98.4	98.4	98.4	98.7	98.7	99.6
≥ 200	81.1	88.9	90.2	92.2	95.1	95.8	97.6	98.2	98.4	98.4	98.4	98.4	98.7	98.7	100.0
≥ 100	81.1	88.9	90.2	92.2	95.1	95.8	97.6	98.2	98.4	98.4	98.4	98.4	98.7	98.7	100.0
≥ 0	81.1	88.9	90.2	92.2	95.1	95.8	97.6	98.2	98.4	98.4	98.4	98.4	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 450



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14793

WESTOVER AFB MA

69-70,73-75

USE WITH CAUTION  
 SEE FIRST PAGE

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 3/8	≥ 1/2	≥ 1/4	≥ 0	
≥ 27000	47.8	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	50.0	50.3	50.2
≥ 24000	49.3	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.6	51.6	51.8
≥ 21000	49.3	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.6	51.6	51.8
≥ 18000	49.3	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.6	51.6	51.8
≥ 15000	49.3	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.6	51.6	51.8
≥ 12000	50.9	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.3	53.3	53.6
≥ 9000	52.7	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.6	55.6	55.8
≥ 6000	54.0	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.9	56.9	57.1
≥ 3000	57.1	60.0	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.7	60.7	60.9
≥ 2000	58.9	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.7	62.7	62.9
≥ 1500	61.3	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.1	65.1	65.3
≥ 1000	63.1	66.4	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.1	67.1	67.3
≥ 750	64.2	67.8	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.9	68.9	69.3
≥ 600	67.3	71.7	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.4	72.4	72.7
≥ 450	69.1	72.4	73.6	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.2	74.2	74.4
≥ 300	72.0	76.2	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.6	77.6	77.8
≥ 150	74.0	78.2	78.9	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.6	79.6	79.8
≥ 100	77.1	82.0	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.8	83.8	84.2
≥ 75	77.1	82.0	82.7	83.3	83.3	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.2	84.2	84.4
≥ 60	77.6	82.9	83.6	84.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.3
≥ 45	77.6	83.8	84.4	85.3	85.8	86.2	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.9	86.9	87.1
≥ 30	77.6	84.2	84.9	85.8	86.9	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.2	88.2	88.4
≥ 15	78.2	84.7	85.3	86.2	88.0	88.7	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.3	89.3	89.6
≥ 10	78.7	85.3	86.0	87.1	89.3	90.0	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.7	90.7	90.9
≥ 7.5	78.7	85.6	86.2	87.6	90.0	90.9	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.2	92.2	92.4
≥ 6	78.7	85.6	86.2	87.6	90.2	91.1	92.0	92.4	92.4	92.4	92.4	92.4	92.4	92.7	92.7	92.9
≥ 4.5	78.7	85.6	86.4	88.4	91.8	92.4	93.6	94.4	94.7	94.7	94.7	94.7	94.7	95.1	95.1	95.3
≥ 3	78.7	85.6	86.4	88.4	92.0	93.3	95.3	96.7	96.9	96.9	96.9	96.9	97.1	97.3	97.6	98.2
≥ 2	78.7	85.6	86.4	88.4	92.0	93.3	95.6	96.9	97.1	97.1	97.1	97.1	97.3	97.6	98.0	98.7
≥ 1.5	78.7	85.6	86.4	88.4	92.0	93.3	95.6	96.9	97.3	97.3	97.3	97.3	97.6	97.8	98.4	99.6
≥ 1	78.7	85.6	86.4	88.4	92.0	93.3	95.6	96.9	97.3	97.3	97.3	97.3	97.6	97.8	98.4	100.0
≥ 0	78.7	85.6	86.4	88.4	92.0	93.3	95.6	96.9	97.3	97.3	97.3	97.3	97.6	97.8	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 450

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
 SEE FIRST PAGE

14773

WESTOVER AFB MA

69-70, 73-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1600-0800  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0
≥ 10000	42.5	45.2	45.7	45.8	46.2	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.6
≥ 7000	46.7	49.7	50.4	50.5	50.9	51.0	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.6
≥ 5000	46.7	49.7	50.4	50.5	50.9	51.0	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.6
≥ 4000	46.7	49.7	50.4	50.5	50.9	51.0	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.6
≥ 3000	46.9	49.9	51.5	50.7	51.0	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.7
≥ 2000	48.0	51.2	52.3	52.1	52.5	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	53.1
≥ 1000	50.1	54.4	55.2	55.1	55.7	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.4
≥ 900	50.9	55.3	56.1	56.4	56.8	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.4
≥ 800	54.1	59.9	60.6	60.4	61.3	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	62.0
≥ 700	56.1	61.6	62.6	63.0	63.4	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	64.1
≥ 600	57.2	63.2	64.1	64.5	64.8	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.6
≥ 500	62.3	66.6	67.7	68.1	68.5	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.3
≥ 400	61.6	68.1	69.1	69.4	69.8	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.6
≥ 300	63.3	70.2	71.1	71.5	71.9	72.1	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.8
≥ 200	65.2	72.3	73.2	73.7	74.1	74.3	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	75.0
≥ 100	66.6	74.1	75.1	75.1	76.4	76.7	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.3
≥ 7000	69.7	77.1	78.0	78.6	79.4	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.3
≥ 6000	70.6	78.9	79.6	80.5	81.3	81.5	81.5	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.2
≥ 5000	70.7	79.3	80.2	81.0	81.8	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.7
≥ 4000	71.7	80.6	81.5	82.4	83.2	83.4	83.4	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.5
≥ 3000	73.2	83.3	84.6	85.5	86.7	87.4	87.4	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.7
≥ 2000	73.4	84.2	85.7	86.6	88.3	88.9	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.4
≥ 1000	73.7	85.0	86.6	88.0	89.5	90.2	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.7
≥ 900	73.7	85.3	87.6	89.2	90.9	91.9	92.6	93.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.4
≥ 800	73.7	85.4	87.9	89.6	91.5	93.0	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.5
≥ 700	73.7	85.7	88.3	90.1	92.1	93.8	94.7	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.6	96.0
≥ 600	73.7	85.7	88.4	90.4	93.1	94.9	96.1	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.8
≥ 500	73.7	85.7	88.4	90.6	93.2	95.1	96.2	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.8	98.2
≥ 400	73.7	85.7	88.4	90.6	93.4	95.3	96.7	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.8
≥ 300	73.7	85.7	88.4	90.6	93.4	95.3	96.7	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.8
≥ 200	73.7	85.7	88.4	90.6	93.4	95.3	96.7	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.8
≥ 100	73.7	85.7	88.4	90.6	93.4	95.3	96.7	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.8
≥ 0	73.7	85.7	88.4	90.6	93.4	95.3	96.7	97.9	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.8

TOTAL NUMBER OF OBSERVATIONS 768

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14773

WESTOVER AFB MA

69-70, 73-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥4	≥0
NO. CEILING	45.2	49.1	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 2000	49.6	53.4	53.7	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 1800	49.6	53.4	53.7	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 1600	49.6	53.4	53.7	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 1400	49.6	53.7	53.9	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 1200	50.9	54.9	55.1	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 1000	53.9	57.9	58.2	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 900	54.8	59.1	59.4	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 800	58.6	63.6	63.9	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 700	59.6	65.2	65.7	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 600	60.7	65.7	66.1	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 500	62.2	68.3	68.8	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 450	62.7	68.9	69.3	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 400	65.7	72.2	72.6	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 350	68.0	75.0	75.6	76.0	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 300	70.3	77.8	78.3	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 250	73.6	81.8	82.3	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 200	74.8	83.3	84.0	84.4	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 180	74.9	83.4	84.1	84.7	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 150	76.7	86.0	86.7	87.3	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 120	78.9	89.4	90.3	91.1	91.4	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 100	79.7	89.9	91.2	92.1	92.4	92.6	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 90	79.7	90.2	91.6	92.7	93.0	93.4	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 80	79.7	90.4	92.3	93.2	93.6	94.1	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 70	79.7	90.6	92.7	94.0	94.4	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 60	79.7	91.1	93.2	94.8	95.7	96.3	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 50	79.7	91.3	93.7	95.3	96.3	97.1	97.7	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 40	79.7	91.3	93.7	95.3	96.6	97.4	98.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2
≥ 30	79.7	91.3	93.7	95.3	96.7	97.6	98.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 20	79.7	91.3	93.7	95.3	96.7	97.6	98.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 10	79.7	91.3	93.7	95.3	96.7	97.6	98.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	79.7	91.3	93.7	95.3	96.7	97.6	98.1	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

APP  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥4	≥0
NO CEILING ≥ 20000	45.3	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IV 18000 IV 16000	50.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 14000 IV 12000	50.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 10000 IV 9000	54.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 8000 IV 7000	58.8	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 6000 IV 5000	61.1	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 4500 IV 4000	65.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 3500 IV 3000	73.6	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2500 IV 2000	78.2	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 1800 IV 1500	79.3	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 1200 IV 1000	83.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 900 IV 800	83.6	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 700 IV 600	83.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 500 IV 400	83.7	91.9	93.0	94.8	97.0	97.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 300 IV 200	83.7	91.9	93.0	94.8	97.0	97.8	99.1	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100 IV 0	83.7	91.9	93.0	94.8	97.0	97.8	99.1	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	45.6	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 18000 ≥ 16000	50.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 14000 ≥ 12000	51.2	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 10000 ≥ 9000	54.7	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 8000 ≥ 7000	59.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 6000 ≥ 5000	61.9	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500 ≥ 4000	68.3	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 3500 ≥ 3000	75.6	80.0	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 2500 ≥ 2000	79.2	84.4	84.7	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1800 ≥ 1500	80.3	86.4	86.7	87.0	87.2	87.2	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1200 ≥ 1000	83.2	92.0	92.4	93.6	94.6	94.7	94.8	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 900 ≥ 800	83.4	92.6	93.3	94.6	95.6	95.7	95.9	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 700 ≥ 600	83.4	93.1	93.9	95.2	96.3	96.6	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 500 ≥ 400	83.4	93.2	94.1	95.4	96.6	96.9	97.2	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 300 ≥ 200	83.4	93.3	94.2	95.7	96.8	97.1	97.4	98.6	98.8	99.0	99.0	99.0	99.0	99.1	99.1	99.1
≥ 100 0	83.4	93.3	94.2	95.7	97.1	97.6	98.0	99.1	99.4	99.7	99.7	99.8	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14723

WESTOVER AFB MA

69-70,73-80

APR

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	48.4	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.4
≥ 20000	52.8	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.0
≥ 18000	53.4	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7
≥ 6000	53.4	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7
≥ 14000	53.6	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8
≥ 12000	54.7	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9
≥ 10000	57.2	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4
≥ 9000	58.4	61.4	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9
≥ 8000	60.7	63.8	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2
≥ 7000	61.3	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.9
≥ 6000	63.1	66.4	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0
≥ 5000	65.9	71.0	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.6
≥ 4500	67.8	73.8	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3
≥ 4000	70.4	76.9	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7
≥ 3500	72.6	79.2	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0
≥ 3000	74.7	81.9	82.3	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0
≥ 2500	75.7	83.3	83.9	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7
≥ 2000	76.9	85.3	85.9	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.8
≥ 1800	77.4	86.2	86.8	87.4	87.4	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.9
≥ 1500	79.0	88.7	89.7	90.6	90.9	91.2	91.2	91.2	91.3	91.4	91.4	91.6	91.6	91.6	91.6	91.7
≥ 1200	79.8	90.8	92.3	93.7	94.1	94.4	94.4	94.7	94.8	94.8	94.9	94.9	94.9	94.9	94.9	95.0
≥ 1000	79.9	91.7	93.3	94.8	95.3	95.7	95.7	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.3
≥ 900	79.9	92.2	94.1	95.7	96.3	96.7	96.7	97.0	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.3
≥ 800	79.9	92.2	94.2	95.8	96.6	96.9	96.9	97.2	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.7
≥ 700	79.9	92.2	94.2	95.8	96.7	97.0	97.2	97.7	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.1
≥ 600	79.9	92.2	94.2	95.8	96.9	97.2	97.6	98.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.4
≥ 500	79.9	92.2	94.2	95.9	97.0	97.3	97.7	98.2	98.3	98.4	98.6	98.6	98.6	98.6	98.6	98.7
≥ 400	79.9	92.2	94.2	95.9	97.1	97.4	97.8	98.4	98.6	98.7	98.9	98.9	98.9	98.9	98.9	99.0
≥ 300	79.9	92.2	94.2	96.0	97.2	97.6	97.9	98.6	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.6
≥ 200	79.9	92.2	94.2	96.0	97.2	97.6	97.9	98.6	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.8
≥ 100	79.9	92.2	94.2	96.0	97.2	97.6	97.9	98.6	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.8
≥ 0	79.9	92.2	94.2	96.0	97.2	97.6	97.9	98.6	99.2	99.3	99.6	99.7	99.7	99.7	99.7	99.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

USE WITH CAUTION  
SEE FIRST PAGE

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	50.6	53.9	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.2	54.2	54.2
≥20000	54.9	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.7	58.7	58.7
IV 18000	55.1	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	59.0	59.0	59.0
IV 16000	55.1	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	59.0	59.0	59.0
IV 14000	55.4	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2
IV 12000	55.8	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.8	59.8	59.8
IV 10000	58.3	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.4	62.4	62.4
IV 9000	59.4	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.5	63.5	63.5
IV 8000	61.3	65.5	65.5	65.5	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.8
IV 7000	62.8	67.0	67.0	67.0	67.0	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3
IV 6000	64.2	68.5	68.5	68.5	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8
IV 5000	67.0	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6
IV 4500	68.3	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1
IV 4000	71.2	76.3	76.3	76.3	76.3	76.3	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.9	76.9	76.9
IV 3500	72.4	78.8	78.8	78.8	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.5	79.5	79.5
IV 3000	74.3	81.1	81.4	81.5	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2
IV 2500	75.8	83.3	83.6	83.7	84.1	84.1	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5
IV 2000	77.3	85.0	85.4	85.5	86.0	86.0	86.3	86.3	86.5	86.6	86.6	86.6	86.6	86.7	86.7	86.7
IV 1800	77.8	85.9	86.3	86.5	87.3	87.3	87.7	87.7	87.8	87.8	87.8	87.8	87.8	88.0	88.0	88.0
IV 1500	78.8	87.7	88.5	88.6	89.5	89.5	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3
IV 1200	79.3	89.5	90.6	91.0	91.9	92.2	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.2	93.2	93.2
IV 1000	79.3	89.9	91.2	91.8	92.7	93.0	93.7	93.7	93.8	93.8	93.8	93.8	93.8	94.0	94.0	94.0
IV 900	79.3	90.2	91.5	92.5	93.4	93.8	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9
IV 800	79.3	90.2	91.9	92.9	94.0	94.4	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.6	95.6	95.6
IV 700	79.3	90.3	92.2	93.3	94.5	94.9	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.3	96.3	96.3
IV 600	79.3	90.4	92.5	93.8	95.1	95.5	96.4	96.6	96.7	96.7	96.7	96.7	96.7	97.0	97.0	97.0
IV 500	79.3	90.6	92.7	94.3	95.5	95.9	96.9	97.0	97.1	97.1	97.1	97.1	97.1	97.5	97.5	97.5
IV 400	79.3	90.6	92.9	94.5	96.0	96.4	97.5	98.1	98.2	98.4	98.4	98.4	98.4	98.8	98.8	98.8
IV 300	79.3	90.6	92.9	94.5	96.0	96.4	97.7	98.2	98.6	98.8	98.8	98.8	98.8	99.2	99.2	99.2
IV 200	79.3	90.6	92.9	94.5	96.0	96.4	97.7	98.2	98.8	98.9	99.0	99.0	99.0	99.5	99.5	99.5
IV 100	79.3	90.6	92.9	94.5	96.0	96.4	97.7	98.2	98.9	99.0	99.2	99.2	99.2	99.6	99.6	99.6
IV 0	79.3	90.6	92.9	94.5	96.0	96.4	97.7	98.2	98.9	99.0	99.2	99.2	99.2	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 731

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14713  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

APR  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 0	
NO CEILING	46.7	49.1	49.2	47.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 2000	50.9	53.5	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9	54.0
≥ 1800	51.3	53.7	53.9	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 1600	51.1	53.7	53.9	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 1400	51.3	53.9	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 1200	52.2	55.0	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5
≥ 1000	54.8	57.9	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3
≥ 900	55.8	59.2	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 800	58.9	62.6	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 700	60.1	64.1	64.3	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 600	61.4	65.5	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1
≥ 500	64.0	68.7	69.0	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 450	65.6	70.5	70.9	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3
≥ 400	68.8	74.2	74.5	74.7	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 350	71.3	76.8	77.3	77.5	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.8
≥ 300	73.5	79.4	79.9	80.2	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 250	75.4	81.8	82.3	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1
≥ 200	76.7	83.6	84.2	84.6	84.9	85.0	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 180	77.1	84.3	84.8	85.4	85.8	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.2	86.2	86.2
≥ 150	78.4	86.4	87.1	87.8	88.4	88.5	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0
≥ 120	79.7	88.7	89.6	90.5	91.3	91.6	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.2	92.2	92.2
≥ 100	79.8	89.3	90.4	91.4	92.3	92.7	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4
≥ 900	79.9	89.7	91.0	92.2	93.2	93.6	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.4
≥ 800	80.0	90.0	91.4	92.7	93.9	94.4	94.8	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2
≥ 700	80.0	90.1	91.7	93.1	94.5	95.0	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1
≥ 600	80.0	90.3	91.9	93.5	95.0	95.6	96.2	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8
≥ 500	80.0	90.3	92.1	93.8	95.5	96.2	97.0	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.9
≥ 400	80.0	90.4	92.1	93.9	95.8	96.5	97.4	98.2	98.3	98.4	98.4	98.5	98.5	98.6	98.7	98.7
≥ 300	80.0	90.4	92.2	94.0	95.9	96.7	97.7	98.6	98.9	99.0	99.0	99.1	99.1	99.2	99.3	99.4
≥ 200	80.0	90.4	92.2	94.0	95.9	96.7	97.7	98.6	99.0	99.1	99.1	99.2	99.3	99.4	99.6	99.6
≥ 100	80.0	90.4	92.2	94.0	95.9	96.7	97.7	98.6	99.0	99.1	99.1	99.3	99.3	99.5	99.6	99.7
≥ 0	80.0	90.4	92.2	94.0	95.9	96.7	97.7	98.6	99.0	99.1	99.1	99.3	99.3	99.5	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS



AD-A110 237

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
WESTOVER AFB, CHICOPEE FALLS, MASSACHUSETTS REVISED UNIFORM SUM--ETC(U)  
OCT 81

UNCLASSIFIED

USAFETAC/DS-81/091

SBI-AD-E850 120

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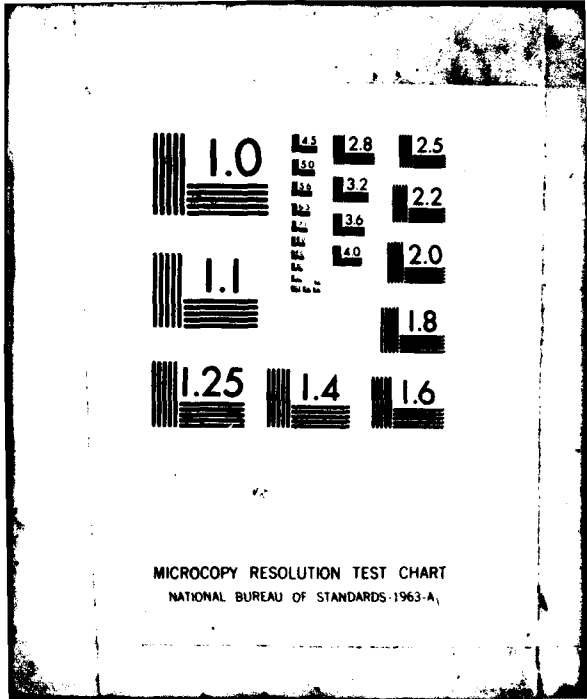
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERS

USE WITH  
SEE FILE

14703

WESTOVER AFB MA

69-70, 73-75, 79

STATION

STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES:											
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½
NO CEILING	42.0	46.9	48.0	48.4	48.4	48.4	48.8	49.0	49.0	49.3	49.3	49.3
≥ 20000	43.9	48.8	49.9	50.3	50.3	50.3	50.7	51.0	51.0	51.2	51.2	51.2
IV 18000	43.9	48.8	49.9	50.3	50.3	50.3	50.7	51.0	51.0	51.2	51.2	51.2
IV 16000	43.9	48.8	49.9	50.3	50.3	50.3	50.7	51.0	51.0	51.2	51.2	51.2
IV 14000	45.0	49.9	51.0	51.4	51.4	51.4	51.8	52.0	52.0	52.2	52.2	52.2
IV 12000	45.2	50.3	51.4	51.8	51.8	51.8	52.2	52.5	52.5	52.7	52.7	52.7
IV 10000	46.9	53.3	54.4	54.8	54.8	54.8	55.2	55.5	55.5	55.7	55.7	55.7
IV 9000	47.5	54.0	55.0	55.5	55.5	55.5	55.9	56.1	56.1	56.3	56.3	56.3
IV 8000	52.2	59.1	60.2	60.6	60.6	60.6	61.0	61.2	61.2	61.5	61.5	61.5
IV 7000	55.2	63.0	64.0	64.5	64.7	64.7	65.1	65.3	65.3	65.5	65.5	65.5
IV 6000	56.5	64.2	65.3	65.7	66.0	66.0	66.6	66.8	66.8	67.0	67.0	67.0
IV 5000	60.2	68.5	69.6	70.0	70.2	70.2	70.9	71.1	71.1	71.3	71.3	71.3
IV 4500	60.2	68.7	69.8	70.2	70.4	70.4	71.1	71.3	71.3	71.5	71.5	71.5
IV 4000	61.5	71.1	72.2	73.0	73.2	73.2	73.9	74.1	74.1	74.3	74.3	74.3
IV 3500	62.7	73.2	74.3	75.4	75.6	75.6	76.2	76.4	76.4	76.7	76.7	76.7
IV 3000	64.0	75.6	76.7	77.9	78.6	78.6	79.2	79.4	79.4	79.7	79.7	79.7
IV 2500	64.5	77.1	78.4	79.9	80.5	80.5	81.2	81.4	81.4	81.6	81.6	81.6
IV 2000	65.7	79.9	81.2	82.7	83.3	83.3	83.9	84.2	84.2	84.4	84.4	84.4
IV 1800	66.4	80.5	81.8	83.3	83.9	83.9	84.6	84.8	84.8	85.0	85.0	85.0
IV 1500	67.0	81.8	83.1	84.8	85.4	85.4	86.1	86.3	86.3	86.5	86.5	86.5
IV 1200	68.7	84.8	86.1	87.8	88.4	88.4	89.1	89.3	89.3	89.5	89.5	89.5
IV 1000	68.7	85.0	86.5	88.2	88.9	88.9	89.5	89.7	89.7	89.9	89.9	89.9
IV 900	68.7	85.4	86.9	88.9	89.5	89.5	90.1	90.4	90.4	90.6	90.6	90.6
IV 800	69.2	86.1	87.8	90.1	91.4	91.4	92.1	92.3	92.3	92.5	92.5	92.5
IV 700	69.2	86.3	88.2	90.8	92.5	92.9	93.6	93.8	93.8	94.0	94.0	94.0
IV 600	69.2	86.3	88.2	91.0	92.9	93.4	94.0	94.2	94.2	94.4	94.4	94.4
IV 500	69.2	86.3	88.7	91.6	94.2	94.9	95.5	95.7	95.7	95.9	95.9	95.9
IV 400	69.2	86.3	88.7	91.9	94.9	95.5	96.6	96.8	96.8	97.0	97.0	97.0
IV 300	69.2	86.3	88.7	92.1	95.1	95.7	96.8	97.2	97.2	97.4	97.4	97.4
IV 200	69.2	86.3	88.7	92.1	95.1	95.7	96.8	97.6	97.6	97.9	97.9	97.9
IV 100	69.2	86.3	88.7	92.1	95.1	95.7	96.8	97.6	97.6	97.9	98.1	98.3
IV 0	69.2	86.3	88.7	92.1	95.1	95.7	96.8	97.6	97.6	97.9	98.1	98.3

TOTAL NUMBER OF OBSER

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-75,78  
 YEARS

MAY  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	34.3	40.3	41.4	42.1	42.7	42.9	43.6	43.6	43.6	43.8	43.8	43.8	44.0	44.0	44.2	44.4
IV 20000	36.7	43.3	45.1	45.9	47.0	47.2	47.9	47.9	47.9	48.1	48.1	48.1	48.3	48.3	48.5	48.7
IV 18000	36.7	43.3	45.1	45.9	47.0	47.2	47.9	47.9	47.9	48.1	48.1	48.1	48.3	48.3	48.5	48.7
IV 16000	36.7	43.3	45.1	45.9	47.0	47.2	47.9	47.9	47.9	48.1	48.1	48.1	48.3	48.3	48.5	48.7
IV 14000	37.3	44.0	45.7	46.6	47.6	47.9	48.5	48.5	48.5	48.7	48.7	48.7	48.9	48.9	49.1	49.4
IV 12000	39.5	46.1	47.9	48.7	49.8	50.0	50.6	50.6	50.6	50.9	50.9	50.9	51.1	51.1	51.3	51.5
IV 10000	42.3	49.4	51.3	52.4	53.9	54.1	54.7	55.2	55.2	55.4	55.4	55.4	55.6	55.6	55.8	56.0
IV 9000	42.7	49.8	51.7	52.8	54.3	54.5	55.2	55.6	55.6	55.8	55.8	55.8	56.0	56.0	56.4	56.7
IV 8000	46.1	53.4	55.4	56.4	57.9	58.2	58.8	59.2	59.2	59.4	59.4	59.4	59.7	59.7	60.1	60.3
IV 7000	49.4	57.1	59.0	60.1	61.6	61.8	62.4	62.9	62.9	63.1	63.1	63.1	63.3	63.3	63.7	63.9
IV 6000	50.4	58.2	60.1	61.2	62.7	62.9	63.5	64.2	64.2	64.4	64.4	64.4	64.6	64.6	65.0	65.2
IV 5000	53.4	61.2	63.1	64.2	65.7	65.9	66.5	67.2	67.2	67.4	67.4	67.4	67.6	67.6	68.0	68.2
IV 4500	53.9	61.8	63.7	64.8	66.3	66.7	67.4	68.0	68.0	68.2	68.2	68.2	68.5	68.5	68.9	69.1
IV 4000	56.0	64.6	66.5	67.6	70.2	70.6	71.2	71.9	71.9	72.1	72.1	72.1	72.3	72.3	72.7	73.0
IV 3500	56.7	66.3	68.7	69.7	72.7	73.2	73.8	74.5	74.5	74.7	74.7	74.7	74.9	74.9	75.3	75.5
IV 3000	57.3	67.2	70.2	71.2	74.5	74.9	75.5	76.2	76.2	76.4	76.4	76.4	76.6	76.6	77.0	77.3
IV 2500	58.2	68.9	71.9	73.2	76.4	76.8	77.5	78.1	78.1	78.3	78.3	78.3	78.5	78.5	79.0	79.2
IV 2000	60.1	71.9	74.7	76.0	79.4	79.8	80.5	81.1	81.1	81.3	81.3	81.3	81.5	81.5	82.0	82.2
IV 1800	60.3	71.9	75.1	76.4	79.8	80.3	80.9	81.5	81.5	81.8	81.8	81.8	82.0	82.0	82.4	82.6
IV 1500	60.7	73.0	76.4	77.7	81.5	82.0	82.6	83.3	83.3	83.5	83.5	83.5	83.7	83.7	84.1	84.3
IV 1200	61.2	73.8	77.7	79.2	83.0	83.5	84.1	84.8	84.8	85.0	85.0	85.0	85.2	85.2	85.6	85.8
IV 1000	61.6	75.3	79.2	81.1	85.2	85.6	86.5	87.1	87.1	87.3	87.3	87.3	87.6	87.6	88.0	88.2
IV 900	61.6	75.3	79.2	81.1	85.2	85.8	86.7	87.3	87.3	87.6	87.6	87.6	87.8	87.8	88.2	88.4
IV 800	61.8	76.0	79.8	82.6	86.7	87.3	88.6	89.3	89.3	89.5	89.5	89.5	89.7	89.7	90.1	90.3
IV 700	61.8	76.2	80.0	83.3	87.6	88.2	89.5	90.1	90.1	90.3	90.3	90.3	90.6	90.6	91.0	91.2
IV 600	61.8	76.2	80.0	83.7	88.4	89.1	90.3	91.0	91.0	91.2	91.2	91.2	91.4	91.4	92.5	92.7
IV 500	61.8	76.2	80.0	84.1	89.1	89.9	91.6	92.3	92.3	92.5	92.5	92.5	92.7	92.7	93.8	94.0
IV 400	61.8	76.2	80.1	84.3	89.5	90.1	92.3	93.1	93.1	93.3	93.3	93.3	93.6	93.6	95.3	95.5
IV 300	61.8	76.4	80.5	84.5	90.1	91.2	93.3	94.6	94.6	95.1	95.1	95.1	95.3	95.3	97.0	97.4
IV 200	61.8	76.4	80.5	84.5	90.1	91.2	93.3	94.6	94.6	95.5	95.5	95.5	95.7	95.7	97.9	98.3
IV 100	61.8	76.4	80.5	84.5	90.1	91.2	93.3	94.6	94.6	95.5	95.5	95.5	95.9	95.9	98.7	99.6
IV 0	61.8	76.4	80.5	84.5	90.1	91.2	93.3	94.6	94.6	95.5	95.5	95.5	95.9	95.9	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 466

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

MAY  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	36.4	41.7	42.8	43.3	43.5	43.8	44.1	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.6
IV 20000	41.4	48.4	49.9	50.5	51.0	51.3	51.5	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.1
IV 18000	41.4	48.4	49.9	50.5	51.0	51.3	51.5	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.1
IV 16000	41.4	48.4	49.9	50.5	51.0	51.3	51.5	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	52.1
IV 14000	41.8	48.8	50.3	51.0	51.4	51.7	51.9	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.5
IV 12000	42.8	49.9	51.4	52.1	52.6	52.9	53.1	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.7
IV 10000	44.8	53.1	55.1	55.7	56.7	57.0	57.2	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.8
IV 9000	45.3	54.0	55.8	56.5	57.5	57.8	58.0	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.5
IV 8000	48.5	57.6	59.4	60.0	61.0	61.3	61.6	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.1
IV 7000	49.2	59.1	60.9	61.6	62.5	62.9	63.1	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.6
IV 6000	49.8	60.0	62.0	62.6	63.7	64.0	64.3	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.9
IV 5000	51.3	62.2	64.3	64.9	66.0	66.3	66.5	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.2
IV 4500	51.7	63.0	65.2	66.0	67.2	67.5	67.7	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.4
IV 4000	53.2	64.7	67.0	67.7	69.1	69.4	69.7	69.9	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.4
IV 3500	54.0	65.7	68.0	69.1	70.5	71.1	71.3	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	72.0
IV 3000	55.2	67.1	69.4	70.5	71.9	72.5	72.7	72.9	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.5
IV 2500	56.2	68.4	70.7	71.8	73.2	73.8	74.0	74.3	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.9
IV 2000	57.3	69.8	72.1	73.2	74.6	75.2	75.4	75.7	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.3
IV 1800	57.8	70.2	72.6	73.7	75.1	75.6	75.8	76.1	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.8
IV 1500	60.0	73.4	75.9	77.2	78.7	79.4	79.7	80.0	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.7
IV 1200	61.3	75.5	78.2	79.6	81.3	82.0	82.5	82.8	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.5
IV 1000	62.3	77.2	80.2	81.7	84.0	84.9	85.9	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7	87.0
IV 900	62.8	78.0	81.1	82.6	85.0	85.9	86.9	87.4	87.7	87.8	87.8	87.8	87.8	87.8	87.8	88.1
IV 800	62.7	78.5	81.9	83.9	86.4	87.8	88.9	89.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8	90.2
IV 700	62.7	78.7	82.5	84.8	88.0	89.3	90.4	91.0	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.8
IV 600	62.7	78.7	82.7	85.2	89.0	90.5	91.6	92.4	92.8	92.9	92.9	92.9	92.9	92.9	92.9	93.2
IV 500	62.7	78.7	82.8	85.6	90.0	91.9	93.3	94.3	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.5
IV 400	62.7	78.7	82.8	85.6	90.0	92.0	94.0	95.1	96.2	96.7	96.7	96.7	96.8	96.9	96.9	97.3
IV 300	62.7	78.7	82.8	85.6	90.0	92.2	94.5	95.8	97.0	97.5	97.5	97.5	97.6	97.9	97.9	98.6
IV 200	62.7	78.7	82.8	85.6	90.0	92.2	94.5	95.9	97.1	97.7	97.7	97.7	97.9	98.4	98.4	99.4
IV 100	62.7	78.7	82.8	85.6	90.0	92.2	94.5	96.0	97.2	97.9	97.9	97.9	98.2	98.7	98.7	100.0
IV 0	62.7	78.7	82.8	85.6	90.0	92.2	94.5	96.0	97.2	97.9	97.9	97.9	98.2	98.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES.															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥20000	41.2	45.1	46.5	46.8	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 18000 IV 16000	45.8	50.8	52.3	52.8	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 14000 IV 12000	46.0	51.0	52.5	53.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 10000 IV 9000	46.2	51.2	52.7	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 8000 IV 7000	47.0	51.9	53.4	54.0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 6000 IV 5000	48.7	54.0	55.5	56.1	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 4500 IV 4000	51.5	58.1	59.8	60.5	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 3500 IV 3000	52.0	58.8	60.5	61.4	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 2500 IV 2000	54.7	61.6	63.4	64.3	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 1800 IV 1500	55.1	62.4	64.2	65.1	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 1200 IV 1000	55.5	63.1	64.9	65.8	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 900 IV 800	56.1	64.1	65.9	66.8	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 700 IV 600	56.9	65.2	67.0	67.8	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 500 IV 400	58.0	66.7	68.5	69.4	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 300 IV 200	60.0	69.0	71.0	71.9	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 100 IV 0	63.9	73.2	75.9	76.6	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
	65.1	74.5	77.0	78.1	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
	67.5	77.8	80.3	81.5	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
	68.1	78.8	81.3	82.5	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
	69.9	81.9	84.4	85.6	86.5	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
	71.5	84.3	87.0	88.6	89.6	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
	71.9	85.1	88.4	90.3	91.3	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
	72.0	85.3	88.7	91.1	92.2	92.4	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
	72.2	85.5	89.4	91.6	93.0	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
	72.2	85.9	89.9	92.6	93.9	94.5	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
	72.2	86.3	90.3	93.3	95.1	95.9	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
	72.2	86.3	90.4	93.4	96.0	97.3	98.1	98.4	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9
	72.2	86.3	90.4	93.9	96.2	97.6	98.4	98.8	99.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7
	72.2	86.3	90.4	93.9	96.2	97.7	98.6	99.0	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0
	72.2	86.3	90.4	93.9	96.2	97.7	98.6	99.0	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0
	72.2	86.3	90.4	93.9	96.2	97.7	98.6	99.0	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14 703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	40.1	44.1	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 18000 16000	46.6	51.1	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 14000 12000	47.8	52.5	53.1	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 10000 9000	52.3	57.4	58.2	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 8000 7000	56.8	62.4	63.4	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 6000 5000	58.1	64.7	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 4500 4000	60.3	67.6	68.7	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 3500 3000	68.2	77.1	78.2	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 2500 2000	73.3	82.9	84.0	84.5	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1800 1500	77.3	87.8	89.0	89.6	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 1200 1000	78.8	90.0	92.3	93.1	94.0	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 900 800	78.9	90.4	93.0	94.3	95.5	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 700 600	79.0	91.0	93.6	95.5	96.7	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 500 400	79.0	91.5	94.4	96.8	98.3	98.9	98.9	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300 200	79.0	91.5	94.4	96.8	98.3	98.9	98.9	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0
IV 100 0	79.0	91.5	94.4	96.8	98.3	98.9	98.9	99.5	99.7	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14 703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	40.3	43.7	44.0	44.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 18000 16000	46.0	49.9	50.2	50.4	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
IV 14000 12000	46.9	50.8	51.1	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 10000 9000	52.2	56.3	56.7	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
IV 8000 7000	58.7	63.4	63.8	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 6000 5000	62.4	67.5	67.8	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
IV 4500 4000	68.2	73.9	74.3	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 3500 3000	73.4	80.4	81.0	81.5	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2500 2000	77.8	85.8	86.3	87.1	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 1800 1500	79.9	88.3	89.0	89.8	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 1200 1000	81.0	90.8	92.4	93.7	95.1	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 900 800	81.1	90.8	92.4	94.3	95.8	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 700 600	81.1	91.1	93.1	95.3	97.1	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 500 400	81.1	91.1	93.2	95.5	98.2	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 300 200	81.1	91.1	93.2	95.5	98.2	98.9	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 100 0	81.1	91.1	93.2	95.5	98.2	98.9	99.0	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
	81.2	91.2	93.3	95.6	98.3	99.0	99.1	99.5	99.5	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING	42.5	46.0	46.2	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	47.7	52.5	53.3	53.4	53.7	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IN 18000	47.7	52.5	53.3	53.4	53.7	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IN 16000	47.7	52.5	53.3	53.4	53.7	53.7	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IN 14000	48.5	53.2	54.1	54.2	54.5	54.5	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IN 12000	49.8	54.7	55.6	55.7	56.0	56.0	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IN 10000	53.0	58.9	59.8	60.0	60.4	60.4	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IN 9000	54.8	60.8	61.6	61.8	62.3	62.3	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IN 8000	59.9	66.1	67.1	67.4	67.8	67.8	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IN 7000	61.7	68.3	69.2	69.6	70.0	70.0	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IN 6000	63.3	70.1	71.1	71.6	72.0	72.0	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IN 5000	65.9	72.9	73.9	74.6	75.1	75.1	75.2	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IN 4500	67.2	75.2	76.2	77.0	77.5	77.5	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IN 4000	68.8	77.8	79.2	80.0	80.5	80.5	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IN 3500	70.2	79.6	81.0	81.7	82.3	82.3	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IN 3000	72.5	82.3	83.9	84.7	85.4	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IN 2500	73.8	84.1	85.7	86.6	87.2	87.2	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IN 2000	74.9	85.4	87.1	88.0	88.9	88.9	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IN 1800	75.2	85.7	87.4	88.4	89.5	89.5	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
IN 1500	75.7	86.9	88.7	90.0	91.3	91.3	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IN 1200	76.7	88.5	90.5	92.2	94.1	94.3	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IN 1000	76.8	89.0	91.2	92.9	95.2	95.5	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IN 900	76.8	89.0	91.3	93.1	95.5	95.9	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IN 800	76.8	89.0	91.3	93.1	95.5	95.9	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IN 700	76.8	89.0	91.6	93.5	96.1	96.8	97.5	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IN 600	76.8	89.0	91.6	93.5	96.2	96.9	97.7	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IN 500	76.8	89.0	91.6	93.5	96.2	97.1	98.0	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IN 400	76.8	89.0	91.6	93.5	96.2	97.4	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IN 300	76.8	89.0	91.6	93.5	96.2	97.6	98.8	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IN 200	76.8	89.0	91.6	93.5	96.2	97.7	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 100	76.8	89.0	91.6	93.5	96.2	97.7	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IN 0	76.8	89.0	91.6	93.5	96.2	97.7	98.9	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
 SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70,73-80

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	42.4	47.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 20000	44.9	51.8	52.3	52.3	52.3	52.3	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 18000	45.1	52.0	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 16000	45.1	52.0	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 14000	45.6	52.5	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 12000	46.9	53.9	54.4	54.4	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 10000	49.8	57.8	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 9000	50.4	58.6	59.4	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 8000	55.4	65.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 7000	58.4	68.2	69.2	69.5	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 6000	58.9	68.7	69.7	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 5000	63.1	73.7	74.8	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 4500	63.9	74.8	75.9	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 4000	65.7	76.9	78.3	79.1	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 3500	66.5	78.2	79.6	80.6	80.6	80.7	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 3000	69.2	81.9	83.8	84.8	84.8	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2500	70.1	83.3	85.2	86.2	86.2	86.4	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 2000	71.3	84.9	87.0	88.0	88.0	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1800	71.4	85.4	87.5	88.6	88.6	88.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 1500	71.6	86.0	88.3	89.4	89.4	89.7	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1200	72.4	87.5	90.0	91.3	91.5	92.0	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1000	72.7	88.3	91.0	92.6	92.8	93.3	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 900	72.7	88.4	91.5	93.3	93.7	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 800	72.9	88.8	91.8	93.7	94.7	95.3	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 700	72.9	89.1	92.1	94.9	96.0	96.6	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 600	72.9	89.2	92.8	95.3	97.0	97.6	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 500	72.9	89.2	92.8	95.5	97.3	97.9	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 400	72.9	89.2	92.8	95.7	97.6	98.2	98.4	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 300	72.9	89.2	92.8	95.7	97.6	98.2	98.4	98.7	98.9	99.0	99.0	99.0	99.0	99.2	99.2	99.2
IV 200	72.9	89.2	92.8	95.7	97.6	98.2	98.4	98.9	99.0	99.2	99.4	99.4	99.4	99.5	99.5	99.7
IV 100	72.9	89.2	92.8	95.7	97.6	98.2	98.4	98.9	99.0	99.2	99.5	99.5	99.5	99.8	99.8	100.0
IV 0	72.9	89.2	92.8	95.7	97.6	98.2	98.4	98.9	99.0	99.2	99.5	99.5	99.5	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 623

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14793  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	40.0	44.4	45.2	45.5	45.7	45.7	45.8	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0
≥ 20000	44.6	49.9	50.9	51.2	51.5	51.6	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	52.0
≥ 18000	44.7	50.0	51.0	51.4	51.7	51.7	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.1
≥ 16000	44.7	50.1	51.0	51.4	51.7	51.8	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.1	52.1
≥ 14000	45.5	50.9	51.9	52.2	52.5	52.6	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	53.0
≥ 12000	46.9	52.4	53.4	53.8	54.1	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5
≥ 10000	49.7	56.1	57.2	57.6	58.1	58.2	58.3	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 9000	50.7	57.2	58.3	58.8	59.3	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7
≥ 8000	54.7	61.6	62.8	63.3	63.8	63.9	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.3
≥ 7000	56.3	63.7	64.9	65.5	66.0	66.0	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4
≥ 6000	57.3	64.9	66.1	66.7	67.2	67.3	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7
≥ 5000	59.6	67.6	68.9	69.5	70.0	70.1	70.3	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5
≥ 4500	60.6	69.0	70.3	71.0	71.5	71.6	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.1
≥ 4000	62.7	71.7	73.2	73.9	74.6	74.7	74.8	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.2
≥ 3500	64.5	74.1	75.6	76.4	77.1	77.2	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	67.1	77.1	78.7	79.6	80.5	80.6	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1
≥ 2500	68.1	78.6	80.4	81.3	82.2	82.3	82.5	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.9
≥ 2000	69.9	81.0	82.8	83.8	84.7	84.9	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4
≥ 1800	70.3	81.6	83.4	84.4	85.4	85.5	85.7	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.1
≥ 1500	71.2	83.2	85.2	86.4	87.5	87.7	87.9	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.3
≥ 1200	72.4	85.0	87.3	88.7	90.1	90.5	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.1	91.1
≥ 1000	72.7	85.7	88.3	89.9	91.5	91.9	92.3	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.7
≥ 900	72.8	85.9	88.6	90.4	92.1	92.6	93.0	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.4
≥ 800	72.9	86.3	89.1	91.2	93.1	93.7	94.1	94.3	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.6
≥ 700	72.9	86.5	89.5	91.9	94.0	94.7	95.2	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.7
≥ 600	72.9	86.6	89.7	92.2	94.7	95.4	96.0	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.6	96.7
≥ 500	72.9	86.6	89.8	92.5	95.3	96.2	96.9	97.3	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.9
≥ 400	72.9	86.6	89.8	92.6	95.4	96.5	97.3	97.9	98.2	98.3	98.4	98.4	98.4	98.5	98.6	98.7
≥ 300	72.9	86.6	89.8	92.6	95.5	96.7	97.6	98.2	98.5	98.7	98.8	98.8	98.9	98.9	99.1	99.2
≥ 200	72.9	86.6	89.8	92.6	95.5	96.7	97.6	98.3	98.6	98.9	99.0	99.0	99.1	99.2	99.4	99.6
≥ 100	72.9	86.6	89.8	92.6	95.5	96.7	97.6	98.3	98.6	98.9	99.1	99.1	99.3	99.4	99.6	99.9
≥ 0	72.9	86.6	89.9	92.6	95.5	96.7	97.6	98.3	98.6	98.9	99.1	99.1	99.3	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6202

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75,80  
YEARS

USE WITH CAUTION  
 SEE FIRST PAGE

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.5	45.7	47.7	49.0	51.2	51.4	51.4	52.3	52.3	52.5	52.5	52.5	53.0	53.0	53.2	53.7
IV 20000	39.2	48.1	50.3	51.7	53.9	54.1	54.1	55.0	55.0	55.2	55.2	55.2	55.7	55.7	55.9	56.3
IV 18000	39.2	48.1	50.3	51.7	53.9	54.1	54.1	55.0	55.0	55.2	55.2	55.2	55.7	55.7	55.9	56.3
IV 16000	39.2	48.1	50.3	51.7	53.9	54.1	54.1	55.0	55.0	55.2	55.2	55.2	55.7	55.7	55.9	56.3
IV 14000	39.7	48.6	50.8	52.1	54.3	54.5	54.5	55.4	55.4	55.7	55.7	55.7	56.1	56.1	56.3	56.8
IV 12000	40.1	49.4	51.9	53.2	55.4	55.7	55.7	56.5	56.5	56.8	56.8	56.8	57.2	57.2	57.4	57.9
IV 10000	42.1	51.7	54.1	55.4	57.9	58.3	58.8	59.6	59.6	59.9	59.9	59.9	60.3	60.3	60.5	61.0
IV 9000	43.0	52.5	55.0	56.3	58.8	59.2	59.6	60.5	60.5	60.8	60.8	60.8	61.2	61.2	61.4	61.9
IV 8000	45.7	56.5	59.0	60.3	62.7	63.2	63.6	64.5	64.5	64.7	64.7	64.7	65.2	65.2	65.4	65.9
IV 7000	46.1	57.4	60.3	61.4	63.9	64.3	64.7	65.6	65.6	65.9	65.9	65.9	66.3	66.3	66.5	67.0
IV 6000	46.6	57.9	60.8	61.9	64.3	64.7	65.2	66.1	66.1	66.3	66.3	66.3	66.7	66.7	67.0	67.4
IV 5000	47.0	58.5	61.2	62.5	65.0	65.4	65.9	66.7	66.7	67.0	67.0	67.0	67.4	67.4	67.6	68.1
IV 4500	47.2	58.8	61.4	62.7	65.2	65.6	66.1	67.0	67.0	67.2	67.2	67.2	67.6	67.6	67.8	68.3
IV 4000	47.5	59.6	62.3	63.6	66.1	66.5	67.0	67.8	67.8	68.1	68.1	68.1	68.5	68.5	68.7	69.2
IV 3500	47.9	60.3	63.0	64.3	66.7	67.2	67.6	68.5	68.5	68.7	68.7	68.7	69.2	69.2	69.4	69.8
IV 3000	48.6	61.0	63.9	65.2	67.8	68.3	68.7	69.6	69.6	69.8	69.8	69.8	70.3	70.3	70.5	71.0
IV 2500	48.8	61.6	64.5	65.9	68.7	69.2	69.6	70.5	70.5	70.7	70.7	70.7	71.2	71.2	71.4	71.8
IV 2000	49.7	63.9	67.2	68.7	72.1	72.5	72.9	73.8	73.8	74.1	74.1	74.1	74.5	74.5	74.7	75.2
IV 1800	50.6	65.0	68.3	69.8	73.2	73.6	74.1	74.9	74.9	75.2	75.2	75.2	75.6	75.6	75.8	76.3
IV 1500	52.1	67.0	70.3	72.1	75.6	76.1	76.5	77.4	77.4	77.6	77.6	77.6	78.0	78.0	78.3	78.7
IV 1200	53.9	70.3	74.1	75.8	79.8	81.2	81.8	82.7	82.9	83.1	83.1	83.1	83.6	83.6	83.8	84.3
IV 1000	54.3	71.6	75.6	77.6	81.6	82.9	83.8	84.7	84.9	85.1	85.1	85.1	85.6	85.6	85.8	86.3
IV 900	54.3	72.1	76.3	78.0	82.0	83.6	84.5	85.4	85.8	86.0	86.0	86.0	86.5	86.5	86.7	87.1
IV 800	54.6	73.6	78.3	80.7	84.7	86.9	87.8	88.9	89.1	89.4	89.4	89.4	89.8	89.8	90.0	90.5
IV 700	54.6	73.6	78.7	81.6	86.0	88.2	89.8	90.9	91.1	91.4	91.4	91.4	91.8	91.8	92.0	92.5
IV 600	54.6	73.6	78.7	81.6	87.1	89.8	91.4	92.7	93.1	93.3	93.3	93.3	93.8	93.8	94.0	94.5
IV 500	54.6	73.6	78.9	82.0	87.6	90.5	92.0	93.3	93.8	94.0	94.0	94.0	94.5	94.5	94.7	95.1
IV 400	54.6	73.6	78.9	82.0	88.5	91.4	93.1	94.5	95.8	96.2	96.2	96.2	96.7	96.7	96.9	97.3
IV 300	54.6	73.6	78.9	82.0	88.5	91.4	93.8	95.3	96.7	97.3	97.6	97.6	98.0	98.0	98.2	98.7
IV 200	54.6	73.6	78.9	82.0	88.7	92.0	94.0	95.6	96.9	97.6	98.0	98.0	98.4	98.4	98.7	99.1
IV 100	54.6	73.6	78.9	82.0	88.7	92.0	94.0	95.6	96.9	97.6	98.0	98.0	98.4	98.4	98.9	99.8
IV 0	54.6	73.6	78.9	82.0	88.7	92.0	94.0	95.6	96.9	97.6	98.0	98.0	98.4	98.4	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 451

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

1473 WESTOVER AFB MA

69-70,73-75

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	24.4	33.6	34.4	34.9	37.1	38.2	38.7	40.0	40.7	41.1	41.8	42.0	42.2	42.7	42.7	43.1
≥20000	27.1	36.4	37.3	37.8	40.0	41.1	41.6	42.9	43.6	44.0	44.7	44.9	45.1	45.6	45.6	46.4
IV 18000	27.3	36.9	37.8	38.2	40.4	41.6	42.0	43.3	44.0	44.4	45.1	45.3	45.6	46.0	46.0	46.9
IV 16000	27.3	36.9	37.8	38.2	40.4	41.6	42.0	43.3	44.0	44.4	45.1	45.3	45.6	46.0	46.0	46.9
IV 14000	27.6	37.1	38.0	38.4	40.7	41.8	42.2	43.6	44.2	44.7	45.3	45.6	45.8	46.2	46.2	47.1
IV 12000	28.0	38.0	38.9	39.3	41.6	42.7	43.1	44.4	45.1	45.6	46.2	46.4	46.7	47.1	47.1	48.0
IV 10000	30.9	40.9	41.8	42.2	44.4	45.6	46.2	47.6	48.2	48.7	49.3	49.6	49.8	50.2	50.2	51.1
IV 9000	32.0	42.0	42.9	43.3	45.6	46.7	47.3	48.9	49.6	50.0	50.7	50.9	51.1	51.6	51.6	52.4
IV 8000	32.9	43.3	44.4	45.1	47.3	48.4	49.1	50.7	51.3	51.8	52.4	52.7	52.9	53.3	53.3	54.2
IV 7000	33.6	44.4	45.6	46.2	48.4	49.6	50.2	51.8	52.4	52.9	53.6	53.8	54.0	54.4	54.4	55.3
IV 6000	34.7	46.0	47.1	47.8	50.0	51.1	51.8	53.3	54.0	54.4	55.1	55.3	55.6	56.0	56.0	56.9
IV 5000	35.8	47.6	48.7	49.3	51.6	52.7	53.3	54.9	55.6	56.0	56.7	56.9	57.1	57.6	57.6	58.4
IV 4500	36.2	48.0	49.1	49.8	52.0	53.1	53.8	55.3	56.0	56.4	57.1	57.3	57.6	58.0	58.0	58.9
IV 4000	37.6	49.8	50.9	51.6	54.0	55.3	56.0	57.6	58.2	58.7	59.3	59.6	59.8	60.2	60.2	61.1
IV 3500	37.8	50.2	51.6	52.2	54.7	56.0	56.9	58.4	59.1	59.6	60.2	60.4	60.7	61.1	61.1	62.0
IV 3000	38.0	50.9	52.2	52.9	55.3	56.7	57.6	59.1	59.8	60.2	60.9	61.1	61.3	61.8	61.8	62.7
IV 2500	38.7	51.6	52.9	53.6	56.0	57.3	58.7	60.2	60.9	61.8	62.4	62.7	62.9	63.3	63.3	64.2
IV 2000	39.3	53.1	54.4	55.3	57.8	59.1	60.4	62.0	62.7	63.6	64.2	64.4	64.7	65.1	65.1	66.0
IV 1800	39.6	53.3	54.7	55.6	58.0	59.3	60.7	62.2	62.9	63.8	64.4	64.7	64.9	65.3	65.3	66.2
IV 1500	41.6	56.0	57.6	58.7	61.1	62.4	63.8	65.3	66.0	66.9	67.6	67.8	68.0	68.4	68.4	69.3
IV 1200	42.2	58.7	60.4	61.8	64.4	65.8	67.1	68.7	69.3	70.2	70.9	71.1	71.3	71.8	71.8	72.7
IV 1000	42.7	60.0	62.0	63.3	66.0	67.3	68.7	70.4	71.1	72.0	72.7	72.9	73.1	73.6	73.6	74.4
IV 900	42.7	60.4	62.9	64.2	67.1	68.9	70.2	72.4	73.1	74.0	74.7	74.9	75.1	75.6	75.6	76.4
IV 800	42.7	61.6	64.0	66.0	70.2	72.9	74.4	76.9	77.8	78.7	79.3	79.6	79.8	80.2	80.2	81.1
IV 700	42.9	62.7	65.3	68.0	72.4	76.0	77.6	80.2	81.1	82.0	82.7	82.9	83.1	83.6	83.6	84.4
IV 600	42.9	62.7	65.3	68.4	74.7	78.4	80.2	83.1	84.0	84.9	85.6	85.8	86.0	86.4	86.4	87.3
IV 500	42.9	62.9	65.8	69.8	76.2	80.0	82.0	85.6	86.7	87.8	88.4	88.7	88.9	89.3	89.3	90.2
IV 400	42.9	62.9	65.8	69.8	76.4	80.2	82.7	86.4	87.8	89.3	90.2	90.4	90.7	91.1	91.1	92.4
IV 300	42.9	62.9	66.0	70.0	77.1	81.8	84.2	88.9	90.7	92.2	93.6	93.8	94.2	94.7	94.7	96.0
IV 200	42.9	62.9	66.0	70.0	77.1	81.8	84.4	89.3	91.1	92.9	94.9	95.1	95.8	96.2	96.7	98.0
IV 100	42.9	62.9	66.0	70.0	77.1	81.8	84.4	89.3	91.1	93.1	95.3	95.6	96.4	96.9	97.6	99.1
IV 0	42.9	62.9	66.0	70.0	77.1	81.8	84.4	89.3	91.1	93.1	95.3	95.6	96.4	96.9	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 450

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

JUN  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	31.7	39.5	41.6	43.3	45.2	46.1	47.2	47.3	47.3	47.3	47.3	47.3	47.4	47.6	47.6	47.6
≥ 20000	33.8	42.8	45.3	46.9	48.9	49.8	50.9	51.2	51.3	51.3	51.3	51.3	51.4	51.6	51.6	51.7
≥ 18000	33.8	42.9	45.4	47.1	49.1	49.9	51.1	51.3	51.4	51.4	51.4	51.4	51.5	51.7	51.7	51.8
≥ 16000	33.8	42.9	45.4	47.1	49.1	49.9	51.1	51.3	51.4	51.4	51.4	51.4	51.5	51.7	51.7	51.8
≥ 14000	33.9	43.0	45.5	47.2	49.2	50.1	51.2	51.4	51.5	51.5	51.5	51.5	51.6	51.8	51.8	51.9
≥ 12000	34.4	44.3	46.8	48.5	50.6	51.5	52.6	52.8	52.9	52.9	52.9	52.9	53.1	53.3	53.3	53.4
≥ 10000	36.4	46.7	49.6	51.5	53.7	54.7	55.8	56.1	56.2	56.2	56.2	56.2	56.3	56.5	56.5	56.6
≥ 9000	37.2	47.5	50.4	52.3	54.5	55.5	56.6	56.8	57.0	57.0	57.0	57.0	57.1	57.3	57.3	57.4
≥ 8000	38.7	49.6	52.6	54.8	57.2	58.2	59.3	59.5	59.6	59.6	59.6	59.6	59.7	60.0	60.0	60.1
≥ 7000	39.8	50.5	53.5	55.7	58.1	59.1	60.2	60.4	60.6	60.7	60.7	60.7	60.8	61.1	61.1	61.2
≥ 6000	40.2	51.4	54.5	56.8	59.2	60.2	61.3	61.5	61.7	61.8	61.8	61.8	62.0	62.2	62.2	62.3
≥ 5000	41.9	53.4	56.6	59.1	61.5	62.5	63.6	63.8	64.1	64.2	64.2	64.2	64.3	64.5	64.5	64.6
≥ 4500	42.3	53.7	57.0	59.4	61.8	62.8	64.0	64.2	64.4	64.5	64.5	64.5	64.6	64.8	64.8	65.0
≥ 4000	43.6	55.4	58.6	61.2	63.6	64.7	66.0	66.2	66.4	66.5	66.5	66.5	66.6	66.9	66.9	67.0
≥ 3500	44.2	56.3	59.5	62.1	64.5	65.6	66.9	67.1	67.3	67.4	67.4	67.4	67.5	67.7	67.7	67.9
≥ 3000	45.2	57.6	61.2	63.7	66.2	67.4	68.7	69.0	69.2	69.4	69.4	69.4	69.5	69.7	69.7	69.9
≥ 2500	46.2	58.7	62.4	65.0	67.5	68.7	70.1	70.5	70.7	71.0	71.0	71.0	71.1	71.3	71.3	71.4
≥ 2000	47.2	60.2	64.1	66.7	69.3	70.6	72.0	72.4	72.6	72.9	72.9	72.9	73.0	73.2	73.2	73.3
≥ 1800	47.6	60.8	64.8	67.6	70.2	71.5	72.9	73.3	73.5	73.7	73.7	73.7	73.9	74.1	74.1	74.2
≥ 1500	48.6	62.3	66.3	69.2	71.9	73.2	74.6	75.2	75.4	75.6	75.6	75.6	75.8	76.0	76.0	76.1
≥ 1200	49.1	63.8	68.0	71.0	74.2	75.5	77.1	77.6	77.9	78.1	78.1	78.1	78.2	78.4	78.4	78.5
≥ 1000	49.3	65.4	69.6	72.9	77.3	78.6	80.3	80.9	81.1	81.3	81.3	81.3	81.4	81.6	81.6	81.8
≥ 900	49.5	66.1	70.5	74.1	78.8	80.2	81.9	82.4	82.6	82.9	82.9	82.9	83.0	83.2	83.2	83.3
≥ 800	49.7	67.1	71.9	75.6	80.6	82.4	84.1	84.9	85.1	85.3	85.3	85.3	85.4	85.7	85.7	85.8
≥ 700	49.7	67.2	72.5	76.5	82.0	83.9	85.7	86.8	87.0	87.2	87.2	87.2	87.3	87.5	87.5	87.7
≥ 600	49.7	67.4	73.2	77.6	83.5	85.8	87.8	89.0	89.2	89.4	89.4	89.4	89.5	89.8	89.8	89.9
≥ 500	49.7	67.9	73.7	78.5	84.6	87.1	89.5	91.2	92.0	92.5	92.5	92.5	92.7	92.9	92.9	93.1
≥ 400	49.7	68.0	73.9	78.8	85.0	87.8	90.2	92.4	93.9	94.4	94.4	94.4	94.5	94.8	94.8	95.0
≥ 300	49.7	68.0	73.9	78.8	85.2	88.1	90.5	93.5	95.1	95.9	96.4	96.4	96.7	96.9	96.9	97.1
≥ 200	49.7	68.0	73.9	78.8	85.2	88.1	90.5	93.7	95.2	96.1	96.9	97.3	97.7	97.9	98.2	98.2
≥ 100	49.7	68.0	73.9	78.8	85.2	88.1	90.5	93.7	95.2	96.1	96.9	97.4	97.9	98.2	98.7	98.9
≥ 0	49.7	68.0	73.9	78.8	85.2	88.1	90.5	93.7	95.2	96.1	96.9	97.4	97.9	98.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	38.9	47.6	49.1	50.0	50.7	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	42.7	53.0	54.9	55.8	57.1	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 18000	42.7	53.0	54.9	55.8	57.2	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 16000	42.7	53.0	54.9	55.8	57.2	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 14000	43.3	53.7	55.6	56.4	57.9	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 12000	44.2	55.1	57.1	58.1	59.6	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 10000	45.8	58.0	60.3	61.4	63.1	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 9000	46.1	58.3	60.8	61.9	63.6	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 8000	47.7	60.4	62.9	64.2	66.1	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 7000	48.1	61.8	64.2	65.6	67.4	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 6000	49.0	62.7	65.2	66.6	68.4	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 5000	49.8	63.8	66.3	67.7	69.6	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 4500	50.3	64.3	66.9	68.2	70.1	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 4000	51.8	65.9	68.6	70.0	72.0	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 3500	53.8	68.2	70.9	72.3	74.3	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 3000	55.3	70.3	73.0	74.6	76.9	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 2500	58.2	73.8	76.4	78.3	80.4	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2000	59.7	75.7	78.4	80.4	82.6	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 1800	60.1	76.2	79.0	81.0	83.2	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 1500	60.9	77.9	80.7	82.7	85.0	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1200	61.7	79.6	82.7	85.0	88.0	89.3	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1000	62.6	82.0	85.4	88.2	91.7	93.0	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
IV 900	62.8	82.4	86.1	89.1	92.7	94.0	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 800	62.8	82.8	86.8	89.9	93.6	95.0	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 700	62.8	83.1	87.1	90.6	94.8	96.2	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	62.8	83.1	87.1	90.7	95.2	96.7	97.3	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 500	62.8	83.1	87.2	91.1	96.0	97.7	98.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	62.8	83.1	87.2	91.1	96.0	97.7	98.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	62.8	83.1	87.2	91.1	96.0	97.7	98.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	62.8	83.1	87.2	91.1	96.0	97.7	98.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	62.8	83.1	87.2	91.1	96.0	97.7	98.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	62.8	83.1	87.2	91.1	96.0	97.7	98.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	38.2	45.6	46.3	46.4	46.8	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	43.4	52.4	53.2	53.4	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 18000	43.4	52.4	53.2	53.4	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 16000	43.4	52.4	53.2	53.4	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 14000	43.4	52.6	53.3	53.6	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 12000	44.6	54.4	55.2	55.4	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 10000	45.9	56.8	57.6	58.3	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
IV 9000	46.3	57.3	58.1	58.9	59.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
IV 8000	48.0	60.0	60.8	61.8	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 7000	49.3	61.7	62.7	63.8	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 6000	50.8	62.9	64.0	65.2	66.1	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 5000	52.3	64.7	65.8	67.0	68.0	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
IV 4500	54.8	67.7	68.8	70.0	71.0	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
IV 4000	58.0	72.2	73.6	74.9	76.0	76.6	76.6	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
IV 3500	60.9	75.9	77.2	78.6	79.8	80.3	80.3	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 3000	63.7	79.6	81.1	82.8	84.4	85.2	85.3	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2500	65.6	81.9	83.4	85.1	86.8	87.6	87.7	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2000	67.3	84.6	86.4	88.1	90.0	90.8	90.9	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1800	67.4	85.3	87.3	89.0	90.9	91.7	91.8	92.0	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 1500	68.8	86.9	89.1	90.8	92.9	93.7	93.8	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1200	69.2	88.4	90.9	92.9	95.4	96.3	96.7	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1000	69.6	89.0	91.7	93.8	96.3	97.2	97.6	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 900	69.6	89.2	91.9	94.0	96.8	97.7	98.0	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 800	69.6	89.3	92.1	94.2	97.2	98.3	98.7	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	69.6	89.3	92.1	94.3	97.4	98.6	98.9	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	69.6	89.3	92.1	94.4	97.7	98.8	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	69.6	89.3	92.1	94.4	97.7	98.8	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	69.6	89.3	92.1	94.4	97.7	98.8	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	69.6	89.3	92.1	94.4	97.7	98.8	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	69.6	89.3	92.1	94.4	97.7	98.8	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	69.6	89.3	92.1	94.4	97.7	98.8	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	69.6	89.3	92.1	94.4	97.7	98.8	99.1	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	39.3	47.0	47.9	48.3	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 20000	45.9	56.2	57.2	57.8	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IN 18000	45.9	56.2	57.2	57.8	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
IN 16000	46.0	56.3	57.3	57.9	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IN 14000	46.2	56.7	57.7	58.2	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IN 12000	48.1	59.1	60.1	60.7	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IN 10000	49.6	60.9	61.9	62.4	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IN 9000	50.8	62.8	63.8	64.3	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IN 8000	53.1	66.8	67.9	68.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IN 7000	54.2	68.3	69.6	70.4	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IN 6000	55.2	69.3	70.7	71.6	72.9	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IN 5000	58.3	72.6	74.1	75.2	76.6	76.7	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IN 4500	60.9	75.2	76.9	78.0	79.3	79.4	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IN 4000	63.4	78.9	80.8	81.9	83.2	83.3	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IN 3500	65.9	81.8	83.8	84.9	86.3	86.4	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IN 3000	67.4	84.1	86.6	87.7	89.1	89.2	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IN 2500	68.4	85.7	88.2	89.4	90.9	91.0	91.7	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IN 2000	70.1	87.9	90.4	91.7	93.2	93.4	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IN 1800	70.3	88.1	90.7	91.9	93.4	93.7	94.3	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IN 1500	71.2	89.9	92.6	93.9	95.9	96.1	96.9	97.1	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4
IN 1200	71.7	90.3	93.1	94.7	96.9	97.1	98.2	98.4	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IN 1000	71.7	90.7	93.4	95.0	97.6	97.8	98.9	99.1	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IN 900	71.7	90.8	93.6	95.1	97.8	98.0	99.1	99.3	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IN 800	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IN 700	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IN 600	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IN 500	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IN 400	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IN 300	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IN 200	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IN 100	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IN 0	71.7	90.8	93.7	95.2	97.9	98.2	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

JUN  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	40.4	47.1	47.8	48.1	49.1	49.3	49.3	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 20000	46.2	56.3	57.0	57.7	59.0	59.4	59.4	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 18000	46.3	56.4	57.1	57.8	59.1	59.6	59.6	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 16000	46.6	56.8	57.4	58.1	59.4	59.9	59.9	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 14000	47.2	57.8	58.4	59.1	60.4	60.9	60.9	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 12000	49.0	60.0	60.7	61.3	62.7	63.2	63.3	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 10000	50.8	62.1	62.9	63.6	65.1	65.8	65.9	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6
IV 9000	51.3	62.9	63.7	64.3	65.9	66.6	66.7	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 8000	54.3	67.0	67.8	68.6	70.3	71.0	71.1	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
IV 7000	55.7	68.9	69.8	70.7	72.6	73.2	73.3	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 6000	56.7	70.0	71.0	71.9	73.8	74.6	74.7	75.0	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
IV 5000	58.8	73.0	74.1	75.0	76.9	77.7	77.9	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4500	59.6	74.1	75.2	76.2	78.1	78.9	79.1	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 4000	61.9	77.9	79.0	80.3	82.4	83.2	83.6	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 3500	62.7	79.0	80.1	81.8	84.0	84.8	85.1	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 3000	64.6	81.0	82.2	83.9	86.2	87.0	87.3	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2500	65.8	83.6	85.0	86.9	89.6	90.3	90.7	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2000	66.3	84.6	86.1	88.2	90.9	91.7	92.0	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 1800	66.4	84.8	86.3	88.4	91.1	92.0	92.4	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1500	66.8	85.8	87.3	89.6	92.2	93.3	93.8	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1200	67.1	86.9	88.7	91.3	94.1	95.4	96.1	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1000	67.1	87.0	88.8	91.7	94.6	95.9	96.6	97.4	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 900	67.2	87.2	89.0	92.0	95.1	96.6	97.2	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 800	67.2	87.2	89.1	92.1	95.3	96.8	97.4	98.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 700	67.2	87.2	89.1	92.1	95.6	97.0	97.8	98.9	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	67.2	87.2	89.1	92.2	95.7	97.1	97.9	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	67.2	87.2	89.1	92.2	95.7	97.1	97.9	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	67.2	87.2	89.1	92.2	95.7	97.2	98.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	67.2	87.2	89.1	92.2	95.7	97.2	98.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	67.2	87.2	89.1	92.2	95.7	97.2	98.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	67.2	87.2	89.1	92.2	95.7	97.2	98.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	67.2	87.2	89.1	92.2	95.7	97.2	98.0	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
 SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70,73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	43.8	51.2	51.9	52.9	53.9	54.2	54.4	55.1	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 20000	47.3	55.9	56.7	57.9	58.9	59.4	59.5	60.2	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 18000	47.3	55.9	56.7	57.9	58.9	59.4	59.5	60.2	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 16000	47.3	55.9	56.7	57.9	58.9	59.4	59.5	60.2	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 14000	47.8	56.4	57.2	58.4	59.4	59.9	60.0	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0
IV 12000	49.4	58.2	59.0	60.2	61.2	61.7	62.0	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 10000	51.4	60.2	61.2	62.5	63.8	64.5	64.8	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 9000	51.4	60.2	61.2	62.5	63.8	64.5	64.8	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 8000	53.4	63.2	64.2	65.5	67.0	67.7	68.0	68.7	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.3
IV 7000	54.7	64.2	65.2	66.5	68.0	68.7	69.0	69.7	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.3
IV 6000	54.7	65.2	66.2	67.5	69.0	69.7	70.0	70.6	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.3
IV 5000	55.7	66.5	67.5	68.8	70.3	71.0	71.3	72.0	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.6
IV 4500	56.6	67.5	68.5	69.8	71.3	72.0	72.3	73.0	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.6
IV 4000	57.5	69.5	70.5	71.8	73.3	74.0	74.3	75.0	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.6
IV 3500	58.7	70.8	72.0	73.5	75.1	75.8	76.1	76.8	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.4
IV 3000	60.4	73.6	75.1	77.1	78.9	79.6	80.1	80.8	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.4
IV 2500	60.7	74.5	76.3	78.3	80.1	80.8	81.3	81.9	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.6
IV 2000	62.0	76.0	78.1	80.4	82.3	82.9	83.6	84.2	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.9
IV 1800	62.9	76.9	79.3	81.6	83.4	84.1	84.7	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9	86.1
IV 1500	64.2	78.6	81.1	83.7	85.6	86.4	87.2	87.9	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.6
IV 1200	64.3	80.3	82.9	86.1	88.2	89.7	90.5	91.2	91.7	91.9	91.9	91.9	91.9	91.9	91.9	92.0
IV 1000	65.2	81.9	84.7	87.9	90.0	91.9	93.2	93.9	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.7
IV 900	65.5	82.4	85.2	88.6	90.7	92.7	94.0	94.7	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.5
IV 800	65.5	82.6	85.6	89.1	91.5	93.7	95.0	95.7	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.5
IV 700	65.5	82.6	85.9	89.7	92.5	94.7	96.0	96.7	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.8
IV 600	65.5	83.1	86.6	90.4	93.4	95.5	96.8	97.5	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.8
IV 500	65.5	83.1	86.6	90.9	93.7	95.9	97.2	97.8	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.3
IV 400	65.5	83.1	86.6	90.9	94.0	96.2	97.5	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0
IV 300	65.5	83.1	86.6	90.9	94.0	96.2	97.5	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0
IV 200	65.5	83.1	86.6	90.9	94.0	96.2	97.5	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0
IV 100	65.5	83.1	86.6	90.9	94.0	96.2	97.5	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0
IV 0	65.5	83.1	86.6	90.9	94.0	96.2	97.5	98.2	99.3	99.7	99.7	99.7	99.7	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 603

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14733

WESTOVER AFB MA

69-70, 73-80

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	37.2	45.1	46.3	47.0	48.1	48.5	48.8	49.1	49.2	49.3	49.3	49.4	49.4	49.5	49.5	49.6
IV 18000 16000	41.5	51.1	52.5	53.3	54.6	55.1	55.3	55.7	55.8	55.8	55.9	55.9	56.0	56.0	56.1	56.2
IV 14000 12000	41.9	51.6	53.0	53.8	55.1	55.6	55.8	56.2	56.3	56.3	56.4	56.4	56.5	56.5	56.6	56.7
IV 10000 9000	44.9	55.6	57.2	58.2	59.7	60.2	60.6	60.9	61.0	61.1	61.1	61.2	61.3	61.3	61.3	61.4
IV 8000 7000	45.5	56.4	58.0	59.0	60.5	61.1	61.4	61.8	61.9	61.9	62.0	62.0	62.1	62.1	62.2	62.3
IV 6000 5000	47.5	59.4	61.0	62.2	63.9	64.5	64.8	65.2	65.3	65.4	65.4	65.5	65.5	65.6	65.6	65.7
IV 4500 4000	48.4	60.7	62.4	63.7	65.4	66.0	66.4	66.7	66.8	66.9	67.0	67.0	67.1	67.1	67.2	67.3
IV 3500 3000	49.3	61.8	63.5	64.8	66.5	67.1	67.5	67.9	68.0	68.1	68.2	68.2	68.3	68.3	68.3	68.5
IV 2500 2000	51.0	63.7	65.5	66.9	68.6	69.3	69.7	70.1	70.2	70.3	70.4	70.4	70.5	70.5	70.5	70.7
IV 1800 1500	52.1	65.0	66.8	68.2	70.0	70.6	71.1	71.4	71.6	71.7	71.7	71.8	71.8	71.9	71.9	72.0
IV 1200 1000	53.9	67.7	69.6	71.1	72.9	73.6	74.1	74.5	74.6	74.7	74.8	74.8	74.9	74.9	75.0	75.1
IV 900 800	55.4	69.5	71.5	73.0	75.0	75.7	76.2	76.6	76.7	76.8	76.9	76.9	77.0	77.0	77.0	77.2
IV 700 600	57.0	71.6	73.8	75.5	77.6	78.4	78.9	79.3	79.4	79.6	79.6	79.7	79.7	79.8	79.8	79.9
IV 500 400	58.3	73.5	75.8	77.5	79.6	80.4	81.0	81.5	81.6	81.8	81.8	81.9	82.0	82.0	82.0	82.1
IV 300 200	59.9	75.9	78.4	80.3	82.5	83.4	84.0	84.5	84.6	84.8	84.9	84.9	85.0	85.0	85.0	85.2
IV 100 0	60.9	77.5	80.1	82.1	84.5	85.4	86.1	86.6	86.8	87.0	87.1	87.1	87.2	87.2	87.2	87.4
	61.5	79.1	81.9	84.2	86.9	88.1	88.9	89.5	89.7	89.9	89.9	90.0	90.0	90.1	90.1	90.2
	61.8	80.2	83.2	85.6	88.7	89.8	90.8	91.4	91.6	91.8	91.9	91.9	92.0	92.0	92.0	92.2
	61.9	80.5	83.6	86.2	89.4	90.7	91.6	92.3	92.5	92.7	92.8	92.8	92.9	92.9	93.0	93.1
	62.0	81.0	84.3	87.0	90.5	92.0	92.9	93.7	94.0	94.2	94.2	94.3	94.3	94.4	94.4	94.5
	62.0	81.1	84.6	87.5	91.3	92.9	93.9	94.8	95.1	95.3	95.4	95.4	95.5	95.6	95.6	95.7
	62.0	81.2	84.7	87.6	92.0	93.7	94.8	95.8	96.1	96.3	96.4	96.4	96.5	96.6	96.6	96.7
	62.0	81.3	84.9	88.2	92.4	94.2	95.5	96.6	97.1	97.4	97.5	97.5	97.6	97.6	97.7	97.8
	62.0	81.3	84.9	88.2	92.6	94.4	95.7	97.0	97.7	98.0	98.1	98.1	98.2	98.3	98.3	98.5
	62.0	81.3	84.9	88.3	92.7	94.6	96.0	97.4	98.2	98.6	98.8	98.8	98.9	99.0	99.0	99.2
	62.0	81.3	84.9	88.3	92.7	94.7	96.0	97.5	98.2	98.7	99.0	99.1	99.2	99.3	99.4	99.5
	62.0	81.3	84.9	88.3	92.7	94.7	96.0	97.5	98.2	98.7	99.0	99.1	99.3	99.4	99.5	99.8
	62.0	81.3	84.9	88.3	92.7	94.7	96.0	97.5	98.2	98.7	99.0	99.1	99.3	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 6002

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14 703

WESTOVER AFB MA

69-70, 73-75, 78

USE WITH CAUTION  
 SEE FIRST PAGE

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	36.5	44.8	47.6	48.5	49.8	51.7	51.7	51.9	52.4	52.4	52.4	52.4	52.6	52.6	53.0	53.0
≥ 20000	37.6	46.4	49.4	50.4	52.1	54.3	54.5	54.7	55.2	55.2	55.2	55.2	55.4	55.4	55.8	55.8
IV 18000	37.6	46.4	49.4	50.4	52.1	54.3	54.5	54.7	55.2	55.2	55.2	55.2	55.4	55.4	55.8	55.8
IV 16000	37.6	46.4	49.4	50.4	52.1	54.3	54.5	54.7	55.2	55.2	55.2	55.2	55.4	55.4	55.8	55.8
IV 14000	37.6	46.4	49.6	50.6	52.4	54.5	54.7	54.9	55.4	55.4	55.4	55.4	55.6	55.6	56.0	56.0
IV 12000	39.1	48.5	51.5	52.6	54.3	56.4	56.7	56.9	57.3	57.3	57.3	57.3	57.5	57.5	57.9	57.9
IV 10000	42.5	52.4	55.6	56.7	58.4	60.5	60.7	60.9	61.4	61.4	61.4	61.4	61.6	61.6	62.0	62.0
IV 9000	42.5	52.8	56.0	57.1	59.0	61.2	61.4	61.6	62.0	62.0	62.0	62.0	62.2	62.2	62.7	62.7
IV 8000	44.4	56.4	59.9	60.9	62.9	65.0	65.2	65.5	65.9	65.9	65.9	65.9	66.1	66.1	66.5	66.5
IV 7000	44.4	57.1	60.5	61.6	63.5	65.7	65.9	66.1	66.5	66.5	66.5	66.5	66.7	66.7	67.2	67.2
IV 6000	47.0	59.2	62.7	63.7	65.7	67.8	68.0	68.2	68.7	68.7	68.7	68.7	68.9	68.9	69.3	69.3
IV 5000	47.6	60.3	63.7	64.8	66.7	68.9	69.1	69.3	69.7	69.7	69.7	69.7	69.9	69.9	70.4	70.4
IV 4500	48.1	60.9	64.4	65.5	67.4	69.5	69.7	70.0	70.4	70.4	70.4	70.4	70.6	70.6	71.0	71.0
IV 4000	48.9	62.0	65.5	66.7	68.7	71.7	72.1	72.7	73.2	73.2	73.2	73.2	73.4	73.4	73.8	73.8
IV 3500	49.8	63.9	67.4	68.7	70.6	73.8	74.2	74.9	75.3	75.3	75.3	75.3	75.5	75.5	76.0	76.0
IV 3000	49.8	64.6	68.0	69.5	71.5	74.7	75.1	75.8	76.2	76.2	76.2	76.2	76.4	76.4	76.8	76.8
IV 2500	50.4	65.5	68.9	70.4	72.3	75.5	76.0	76.6	77.0	77.0	77.0	77.0	77.3	77.3	77.7	77.7
IV 2000	51.9	67.6	71.2	73.0	75.3	78.5	79.0	79.6	80.0	80.0	80.0	80.0	80.3	80.3	80.7	80.7
IV 1800	51.7	68.7	72.3	74.0	76.4	79.6	80.3	80.9	81.3	81.3	81.3	81.3	81.5	81.5	82.0	82.0
IV 1500	51.7	69.5	73.6	75.5	78.3	81.5	82.2	82.8	83.3	83.3	83.3	83.3	83.5	83.5	83.9	83.9
IV 1200	52.1	71.0	75.3	77.3	80.9	85.0	85.6	86.3	86.7	86.7	86.7	86.7	86.9	86.9	87.3	87.3
IV 1000	52.1	73.0	77.3	79.2	83.9	88.4	89.1	89.7	90.1	90.1	90.1	90.1	90.3	90.3	90.8	90.8
IV 900	52.1	73.2	77.5	79.4	84.1	88.6	89.5	90.1	90.6	90.6	90.6	90.6	90.8	90.8	91.2	91.2
IV 800	52.6	74.7	79.0	81.5	86.5	91.0	92.1	92.7	93.1	93.1	93.1	93.1	93.3	93.3	93.6	93.6
IV 700	52.6	74.9	79.2	81.8	86.9	91.4	92.5	93.1	93.6	93.6	93.6	93.6	93.8	93.8	94.0	94.4
IV 600	52.6	75.1	79.6	82.2	87.8	92.5	93.6	94.4	94.8	94.8	94.8	94.8	95.1	95.1	95.3	95.7
IV 500	52.6	75.1	79.6	82.2	88.4	93.3	95.1	95.9	96.4	96.4	96.4	96.4	96.6	96.6	96.8	97.2
IV 400	52.6	75.1	79.6	82.2	88.4	93.6	95.9	97.0	97.6	97.6	97.6	97.6	97.9	98.1	98.3	98.7
IV 300	52.6	75.1	79.6	82.2	88.4	93.6	95.9	97.4	98.1	98.1	98.1	98.1	98.3	98.5	98.7	98.9
IV 200	52.6	75.1	79.6	82.2	88.4	93.6	95.9	97.4	98.1	98.1	98.1	98.1	98.3	98.5	98.7	98.9
IV 100	52.6	75.1	79.6	82.2	88.4	93.6	95.9	97.4	98.1	98.1	98.1	98.1	98.3	98.5	98.7	98.9
IV 0	52.6	75.1	79.6	82.2	88.4	93.6	95.9	97.4	98.1	98.1	98.1	98.1	98.3	98.5	98.7	98.9

TOTAL NUMBER OF OBSERVATIONS 466

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70,73-75

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	30.3	37.8	39.8	40.4	42.4	44.1	44.7	46.0	46.7	47.1	47.3	47.5	47.5	47.5	47.5	47.5
IV 20000	31.6	40.4	42.4	43.4	45.6	47.5	48.6	50.3	51.0	51.4	51.6	51.8	51.8	51.8	51.8	51.8
IV 18000	31.6	40.4	42.4	43.4	45.6	47.5	48.6	50.3	51.0	51.4	51.6	51.8	51.8	51.8	51.8	51.8
IV 16000	31.6	40.4	42.4	43.4	45.6	47.5	48.6	50.3	51.0	51.4	51.6	51.8	51.8	51.8	51.8	51.8
IV 14000	31.6	40.6	42.6	43.7	45.8	47.7	48.8	50.5	51.2	51.6	51.8	52.0	52.0	52.0	52.0	52.0
IV 12000	32.7	41.5	43.4	44.5	46.7	48.6	49.7	51.4	52.0	52.5	52.9	53.1	53.1	53.1	53.1	53.1
IV 10000	35.7	44.5	46.9	48.4	50.8	52.7	53.8	55.5	56.1	56.6	57.0	57.2	57.2	57.2	57.2	57.2
IV 9000	36.6	45.4	47.7	49.2	51.6	53.5	54.6	56.3	57.0	57.4	57.8	58.1	58.1	58.1	58.1	58.1
IV 8000	38.3	48.6	51.0	52.5	54.8	57.0	58.1	59.8	60.4	60.9	61.3	61.5	61.5	61.5	61.5	61.5
IV 7000	39.4	49.9	52.5	54.0	56.3	58.5	59.6	61.3	61.9	62.4	62.8	63.0	63.0	63.0	63.0	63.0
IV 6000	39.6	50.5	53.1	54.6	57.4	59.6	60.6	62.4	63.0	63.4	63.9	64.1	64.1	64.1	64.1	64.1
IV 5000	40.9	52.7	55.3	56.8	59.8	61.9	63.0	64.9	65.6	66.0	66.5	66.7	66.7	66.7	66.7	66.7
IV 4500	41.1	53.1	55.7	57.2	60.2	62.6	63.7	65.6	66.2	66.7	67.1	67.3	67.3	67.3	67.3	67.3
IV 4000	41.5	54.8	57.6	59.1	62.2	64.7	65.8	68.0	68.6	69.0	69.5	69.7	69.7	69.7	69.7	69.7
IV 3500	41.7	55.1	57.8	59.4	62.4	64.9	66.0	68.2	68.8	69.2	69.7	69.9	69.9	69.9	69.9	69.9
IV 3000	41.7	55.5	58.5	60.0	63.4	66.2	67.3	69.5	70.3	70.8	71.2	71.4	71.4	71.4	71.4	71.4
IV 2500	41.7	55.5	58.5	60.2	63.7	66.9	68.0	70.1	71.0	71.4	71.8	72.0	72.0	72.0	72.0	72.0
IV 2000	43.4	58.5	61.7	63.7	67.5	71.4	72.7	74.8	75.7	76.3	76.8	77.0	77.0	77.0	77.0	77.0
IV 1800	43.4	58.5	61.7	63.7	68.0	72.3	73.5	75.7	76.6	77.2	77.6	77.8	77.8	77.8	77.8	77.8
IV 1500	43.4	58.5	61.9	64.3	68.8	73.1	74.6	76.8	77.6	78.3	78.7	78.9	78.9	78.9	78.9	78.9
IV 1200	43.4	59.1	63.2	66.0	71.2	75.5	77.6	80.0	80.9	81.5	81.9	82.2	82.2	82.2	82.2	82.2
IV 1000	43.4	60.6	64.7	67.7	73.5	78.1	80.2	82.6	83.4	84.1	84.5	84.7	84.7	84.7	84.7	84.7
IV 900	43.4	60.9	64.9	68.0	73.8	78.3	80.4	83.0	83.9	84.5	84.9	85.2	85.2	85.2	85.2	85.2
IV 800	43.9	62.6	66.7	69.9	76.1	81.1	83.2	85.8	86.9	87.5	88.0	88.2	88.2	88.2	88.2	88.2
IV 700	43.9	63.4	67.7	71.0	77.4	82.6	85.6	88.2	89.2	89.9	90.3	90.5	90.5	90.5	90.5	90.5
IV 600	43.9	63.4	68.4	71.6	78.5	83.7	87.1	90.1	91.2	91.8	92.3	92.5	92.5	92.5	92.5	92.5
IV 500	43.9	63.4	68.4	71.6	79.1	84.3	87.7	91.2	92.5	93.1	93.5	93.8	93.8	93.8	93.8	93.8
IV 400	43.9	63.4	68.4	71.6	79.1	84.3	87.7	91.2	92.7	93.8	94.2	94.6	94.8	95.1	95.1	95.1
IV 300	43.9	63.4	68.4	71.6	79.1	84.7	88.2	92.5	94.2	95.3	95.9	96.3	96.8	97.0	97.4	98.1
IV 200	43.9	63.4	68.4	71.6	79.1	84.7	88.2	92.5	94.2	95.3	96.1	96.6	97.0	97.2	97.6	98.5
IV 100	43.9	63.4	68.4	71.6	79.1	84.7	88.2	92.5	94.2	95.3	96.1	96.6	97.0	97.2	97.8	99.1
IV 0	43.9	63.4	68.4	71.6	79.1	84.7	88.2	92.5	94.2	95.3	96.1	96.6	97.0	97.2	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 465

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

ESTOVER AFB MA

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	31.5	40.4	41.9	43.5	46.9	48.1	48.7	49.4	49.5	49.8	49.8	49.9	50.0	50.2	50.4	50.8
≥ 20000	35.3	45.7	47.3	49.4	52.9	54.2	54.9	55.6	56.0	56.3	56.3	56.5	56.6	56.8	57.0	57.3
8000	35.4	45.8	47.4	49.5	53.0	54.3	55.1	55.7	56.1	56.5	56.5	56.6	56.7	56.9	57.1	57.4
6000	35.4	46.0	47.6	49.7	53.2	54.5	55.3	55.9	56.3	56.7	56.7	56.8	56.9	57.1	57.3	57.6
4000	35.8	46.7	48.3	50.3	53.9	55.4	56.1	56.8	57.2	57.5	57.5	57.6	57.7	58.0	58.2	58.5
2000	36.2	47.2	49.2	51.4	55.3	56.8	57.5	58.3	58.7	59.0	59.0	59.1	59.2	59.5	59.7	60.0
1000	38.8	51.4	53.5	55.8	59.9	61.5	62.3	63.0	63.4	63.8	63.8	63.9	64.0	64.2	64.4	64.7
900	39.8	52.6	54.7	57.0	61.2	62.8	63.5	64.3	64.7	65.1	65.1	65.2	65.3	65.5	65.8	66.1
800	41.3	55.1	57.3	59.7	64.1	66.0	66.9	67.6	68.1	68.4	68.4	68.5	68.6	68.8	69.1	69.5
700	42.0	55.8	58.1	60.5	65.1	67.0	68.0	68.7	69.1	69.5	69.5	69.6	69.7	69.9	70.2	70.5
6000	42.4	56.3	58.6	61.1	65.8	67.7	68.8	69.7	70.1	70.4	70.4	70.5	70.6	70.9	71.2	71.5
5000	43.2	57.6	59.9	62.5	67.3	69.2	70.4	71.4	71.8	72.2	72.2	72.3	72.4	72.6	72.9	73.2
4500	43.8	58.3	60.9	63.1	68.0	69.9	71.1	72.0	72.5	72.8	72.8	72.9	73.0	73.2	73.5	73.9
4000	44.5	59.9	62.3	64.8	69.9	71.8	73.1	74.2	74.6	74.9	74.9	75.1	75.2	75.4	75.7	76.0
3500	44.6	60.3	62.7	65.3	70.3	72.3	73.5	74.6	75.1	75.4	75.4	75.5	75.6	75.8	76.1	76.5
3000	44.8	60.5	62.9	65.6	70.9	72.8	74.2	75.4	75.8	76.1	76.1	76.2	76.3	76.6	76.9	77.2
2500	45.1	61.1	63.9	66.6	71.8	73.9	75.3	76.5	76.9	77.2	77.2	77.3	77.4	77.6	78.0	78.3
2000	45.3	61.9	65.1	67.8	74.0	76.0	77.5	78.7	79.1	79.5	79.5	79.6	79.7	79.9	80.2	80.5
1800	45.4	62.3	65.6	68.5	74.7	76.9	78.4	79.6	80.0	80.3	80.3	80.4	80.5	80.8	81.1	81.4
1500	46.0	63.7	67.1	70.2	76.8	79.2	80.8	81.9	82.4	82.7	82.7	82.8	82.9	83.1	83.4	83.8
1200	46.2	64.6	68.4	71.6	78.7	81.2	82.7	83.9	84.3	84.6	84.6	84.7	84.8	85.1	85.4	85.7
1000	46.2	64.8	69.2	72.8	80.3	83.0	84.6	85.8	86.2	86.6	86.6	86.7	86.8	86.9	87.1	87.4
900	46.2	64.9	69.5	73.2	80.9	84.0	85.7	87.0	87.4	87.8	88.0	88.1	88.2	88.4	88.7	89.0
800	46.2	65.2	70.0	74.1	81.9	85.1	87.0	88.4	88.9	89.4	89.5	89.6	89.7	89.9	90.2	90.5
700	46.2	65.4	70.2	74.6	82.7	86.0	88.0	89.4	89.9	90.3	90.4	90.5	90.6	90.9	91.2	91.5
600	46.2	65.4	70.3	75.2	83.4	87.1	89.8	91.5	92.0	92.7	92.8	92.9	93.0	93.2	93.5	93.9
500	46.2	65.4	70.3	75.4	84.4	88.5	91.3	93.1	93.8	94.4	94.5	94.6	94.7	94.9	95.3	95.6
400	46.2	65.4	70.3	75.5	84.6	88.9	91.9	94.2	94.9	96.1	96.2	96.5	96.8	97.1	97.5	97.8
300	46.2	65.4	70.3	75.5	84.6	89.0	92.0	94.4	95.5	96.9	97.2	97.5	97.8	98.3	98.8	99.2
200	46.2	65.4	70.3	75.5	84.6	89.0	92.0	94.4	95.5	96.9	97.2	97.5	98.1	98.5	99.4	99.9
100	46.2	65.4	70.3	75.5	84.6	89.0	92.0	94.4	95.5	96.9	97.2	97.5	98.1	98.5	99.4	99.9
0	46.2	65.4	70.3	75.5	84.6	89.0	92.0	94.4	95.5	96.9	97.2	97.5	98.1	98.5	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	38.3	48.4	52.5	54.5	56.1	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 20000	42.3	54.1	58.4	60.8	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 18000	42.3	54.2	58.5	60.9	62.8	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 16000	42.3	54.3	58.6	61.0	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 14000	43.0	55.2	59.5	61.8	63.8	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 12000	44.8	58.1	62.4	64.7	66.7	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
IV 10000	46.6	60.2	64.6	67.1	69.1	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 9000	47.1	60.8	65.2	67.6	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 8000	48.7	63.0	67.4	70.0	72.0	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 7000	48.9	63.6	68.5	71.1	73.1	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 6000	49.8	64.8	69.6	72.2	74.4	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 5000	51.0	66.3	71.2	73.9	76.1	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 4500	51.8	67.3	72.2	74.8	77.1	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4000	52.9	68.4	73.3	76.0	78.4	78.9	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
IV 3500	53.8	69.5	74.7	77.4	79.8	80.3	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 3000	54.4	70.6	76.2	79.1	81.6	82.2	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 2500	55.9	72.8	78.5	81.6	84.1	84.7	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 2000	56.3	75.4	81.5	85.1	88.0	88.6	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 1800	56.7	76.2	82.4	85.9	88.8	89.4	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 1500	57.1	77.7	84.0	87.6	90.8	91.5	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 1200	57.3	78.7	85.5	89.5	93.1	94.1	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1000	57.3	78.9	85.7	90.0	93.8	94.7	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 900	57.3	79.1	85.9	90.3	94.4	95.5	96.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 800	57.3	79.6	86.5	91.0	95.3	96.3	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 700	57.3	79.7	86.6	91.6	95.9	97.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 600	57.3	80.0	86.9	92.0	96.5	97.5	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 500	57.3	80.0	86.9	92.0	96.5	97.7	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	57.3	80.0	86.9	92.0	96.5	97.8	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	57.3	80.0	86.9	92.0	96.5	97.8	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	57.3	80.0	86.9	92.0	96.5	97.8	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	57.3	80.0	86.9	92.0	96.5	97.8	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	57.3	80.0	86.9	92.0	96.5	97.8	99.0	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14 703

WESTOVER AFB MA

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	42.7	52.6	54.1	54.9	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 20000	47.7	59.9	61.9	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 18000	47.8	60.1	62.2	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 16000	48.1	60.3	62.4	63.3	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
IV 14000	48.8	61.5	63.7	64.6	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 12000	51.3	64.7	66.9	67.8	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 10000	53.2	67.0	69.6	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 9000	54.1	68.0	70.5	71.8	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
IV 8000	56.6	70.9	73.4	74.7	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV 7000	57.0	71.5	74.1	75.4	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
IV 6000	57.8	72.4	74.9	76.3	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 5000	58.3	73.0	76.0	77.4	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 4500	59.9	74.8	78.0	79.4	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 4000	62.8	78.2	81.6	83.0	83.8	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 3500	63.8	79.4	83.0	84.4	85.2	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 3000	65.3	82.5	86.6	88.1	88.8	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 2500	66.3	84.5	88.6	90.1	91.2	91.6	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 2000	66.7	86.0	90.3	91.9	93.4	93.9	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800	66.8	86.7	91.0	92.6	94.1	94.5	94.9	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1500	67.0	87.2	91.6	93.2	94.9	95.5	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1200	67.0	87.3	91.7	93.5	95.5	96.2	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1000	67.3	87.7	92.3	94.2	96.2	97.0	97.7	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 900	67.3	87.8	92.4	94.4	96.5	97.2	98.1	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 800	67.3	87.8	92.6	94.6	96.8	97.7	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 700	67.3	87.8	92.7	94.8	97.0	98.0	98.8	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 600	67.3	87.8	92.7	94.8	97.2	98.2	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	67.3	87.8	92.7	94.8	97.2	98.3	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	67.3	87.8	92.7	94.8	97.3	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	67.3	87.8	92.7	94.8	97.3	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	67.3	87.8	92.7	94.8	97.3	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	67.3	87.8	92.7	94.8	97.3	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	67.3	87.8	92.7	94.8	97.3	98.4	99.4	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	40.2	47.7	48.4	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
IV 20000	48.0	57.7	58.5	60.0	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 18000	48.0	57.8	58.6	60.1	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 16000	48.0	58.0	58.7	60.2	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 14000	48.6	59.1	59.9	61.4	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 12000	51.1	62.2	63.0	64.5	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 10000	54.1	65.7	66.6	68.3	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 9000	55.5	67.5	68.5	70.2	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 8000	58.7	71.8	72.9	74.7	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 7000	59.9	73.5	74.6	76.5	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 6000	61.0	74.7	75.8	77.6	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 5000	62.3	76.1	77.2	79.2	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
IV 4500	63.4	78.2	79.2	81.3	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 4000	65.6	81.4	82.5	84.7	85.9	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 3500	66.5	82.7	84.3	86.7	88.0	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 3000	67.4	85.4	87.1	89.8	91.1	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	67.8	86.1	88.0	90.8	92.0	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2000	68.1	86.9	88.9	92.0	93.5	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 1800	68.2	87.1	89.1	92.3	94.0	94.4	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1500	68.4	87.7	90.0	93.2	95.1	95.7	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1200	68.6	88.1	90.3	93.7	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 1000	68.8	88.5	90.9	94.4	97.4	98.3	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0
IV 900	69.0	88.7	91.1	94.6	97.6	98.5	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
IV 800	69.1	88.8	91.3	94.8	97.8	98.7	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
IV 700	69.1	88.8	91.3	94.8	98.0	98.8	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6
IV 600	69.1	88.8	91.3	94.8	98.1	98.9	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 500	69.1	88.8	91.3	94.8	98.1	98.9	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 400	69.1	88.8	91.3	94.8	98.1	98.9	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 300	69.1	88.8	91.3	94.8	98.1	98.9	99.6	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9
IV 200	69.1	88.8	91.3	94.8	98.1	98.9	99.6	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	69.1	88.8	91.3	94.8	98.1	98.9	99.6	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 0	69.1	88.8	91.3	94.8	98.1	98.9	99.6	99.6	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥4	≥0
NO CEILING ≥ 20000	39.0	48.5	49.5	50.2	51.4	51.5	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 18000	46.3	58.1	59.6	60.5	62.6	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 16000	46.3	58.1	59.6	60.5	62.6	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 14000	47.0	59.0	60.6	61.6	63.8	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 12000	49.1	61.7	63.3	64.3	66.6	66.9	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 10000	51.6	64.8	66.7	67.6	70.1	70.4	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 9000	52.0	65.4	67.3	68.3	70.8	71.1	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 8000	55.7	70.4	72.5	73.7	76.6	77.1	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 7000	56.7	71.4	73.4	74.7	77.6	78.2	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 6000	57.2	72.0	74.1	75.4	78.3	78.8	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 5000	58.3	73.5	75.7	77.0	80.1	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 4500	59.6	75.2	77.3	78.6	81.7	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
IV 4000	61.5	78.2	80.3	81.9	85.2	86.1	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 3500	62.6	80.0	82.5	84.2	87.5	88.5	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 3000	63.1	81.6	84.6	86.7	90.1	91.1	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	63.7	82.3	85.3	87.4	90.9	91.8	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 2000	63.9	82.9	86.3	88.8	92.5	93.5	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1800	64.0	83.1	86.6	89.4	93.1	94.2	94.8	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1500	64.1	83.3	87.2	90.2	94.1	95.5	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 1200	64.2	84.0	88.0	91.1	94.9	96.8	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 1000	64.3	84.5	88.6	91.7	95.9	97.8	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 900	64.3	84.6	88.7	91.8	96.0	98.0	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 800	64.3	84.6	88.7	91.8	96.1	98.1	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 700	64.3	84.6	88.8	91.9	96.2	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	64.3	84.6	88.8	91.9	96.2	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	64.3	84.6	88.8	91.9	96.2	98.3	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	64.3	84.7	88.9	92.0	96.3	98.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	64.3	84.7	88.9	92.2	96.5	98.5	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	64.3	84.7	88.9	92.2	96.6	98.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	64.3	84.7	88.9	92.2	96.6	98.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	64.3	84.7	88.9	92.2	96.6	98.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
 SEE FIRST PAGE

14783  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70, 73-80  
 YEARS

JUL  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0	
NO CEILING	40.8	50.6	55.3	56.3	57.6	58.2	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.8
≥ 20000	43.6	55.9	60.8	61.7	64.1	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.6
≥ 18000	43.6	55.9	60.8	61.7	64.1	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.6
≥ 16000	43.6	55.9	60.8	61.7	64.1	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.6
≥ 14000	44.4	56.8	61.6	62.5	65.0	65.8	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.4	66.4
≥ 12000	44.7	58.0	63.7	64.0	66.4	67.2	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8
≥ 10000	48.1	61.9	66.9	67.8	70.3	71.1	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.7	71.7
≥ 9500	48.7	62.5	67.5	68.5	70.9	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3
≥ 8000	51.0	66.1	71.5	72.7	75.2	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.7	76.7
≥ 7000	52.7	68.0	73.6	74.8	77.3	78.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.8	78.8
≥ 6000	54.2	69.5	75.1	76.2	78.8	79.6	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2
≥ 5000	54.7	70.4	76.4	77.5	80.2	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8
≥ 4500	54.8	71.1	77.7	78.1	80.9	81.8	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.5	82.5
≥ 4000	56.1	73.0	79.4	80.7	83.9	84.9	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0
≥ 3500	56.6	73.5	79.9	81.4	84.7	85.9	86.3	86.8	87.7	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1
≥ 3000	56.9	74.4	81.4	83.0	86.3	87.5	87.9	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7
≥ 2500	57.4	75.1	82.2	83.9	87.5	88.6	89.1	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.9	89.9
≥ 2000	57.7	76.5	83.8	85.7	89.4	90.5	91.0	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8	92.0	92.0
≥ 1800	57.7	77.0	84.2	86.3	90.4	91.5	92.0	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9	92.9
≥ 1500	57.9	78.0	85.4	87.5	91.8	92.9	93.6	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5	94.5
≥ 1200	58.2	79.3	86.8	89.1	93.7	95.0	95.8	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.8	96.8
≥ 1000	58.2	79.9	87.5	89.7	94.9	96.5	97.3	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2	98.2
≥ 900	58.2	80.1	87.6	89.9	95.0	96.8	97.6	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6	98.6
≥ 800	58.2	80.1	87.6	89.9	95.2	96.9	97.7	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7
≥ 700	58.2	80.1	87.6	89.9	95.5	97.4	98.2	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.4	99.4
≥ 600	58.2	80.1	87.6	89.9	95.8	97.7	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.7
≥ 500	58.2	80.1	87.6	89.9	95.8	97.7	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.7
≥ 400	58.2	80.1	87.6	89.9	95.8	97.7	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.7
≥ 300	58.2	80.1	87.6	89.9	95.8	97.7	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.7
≥ 200	58.2	80.1	87.6	89.9	95.8	97.7	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.7
≥ 100	58.2	80.1	87.6	89.9	95.8	97.7	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.7
≥ 0	58.2	80.1	87.6	89.9	95.8	97.7	98.6	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.7

TOTAL NUMBER OF OBSERVATIONS 622

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14773

WESTOVER AFB MA

69-70,73-80

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	37.8	46.9	49.0	50.2	51.6	52.2	52.4	52.7	52.7	52.8	52.8	52.9	52.9	52.9	53.0	53.1
≥ 20000	42.5	53.4	55.8	57.2	59.1	59.7	60.0	60.3	60.4	60.5	60.5	60.5	60.6	60.6	60.7	60.7
IV 18000	42.5	53.5	55.9	57.3	59.1	59.8	60.1	60.4	60.5	60.6	60.6	60.6	60.7	60.7	60.8	60.8
IV 16000	42.5	53.6	56.0	57.4	59.2	59.9	60.2	60.5	60.6	60.7	60.7	60.7	60.8	60.8	60.9	60.9
IV 14000	43.2	54.4	56.9	58.3	60.1	60.8	61.1	61.4	61.5	61.6	61.6	61.6	61.7	61.7	61.8	61.8
IV 12000	44.7	56.6	59.1	60.6	62.5	63.2	63.5	63.8	63.9	64.0	64.0	64.1	64.1	64.1	64.2	64.3
IV 10000	47.3	59.8	62.5	64.1	66.1	66.8	67.2	67.4	67.6	67.6	67.7	67.7	67.7	67.8	67.9	67.9
IV 9000	48.1	60.7	63.5	65.1	67.1	67.9	68.2	68.5	68.6	68.7	68.7	68.8	68.8	68.8	68.9	69.0
IV 8000	50.4	64.2	67.0	68.7	70.9	71.8	72.1	72.4	72.5	72.6	72.7	72.7	72.7	72.8	72.9	72.9
IV 7000	51.3	65.2	68.1	69.9	72.1	73.0	73.4	73.6	73.8	73.9	73.9	73.9	73.9	74.0	74.1	74.1
IV 6000	52.1	66.2	69.1	70.9	73.2	74.1	74.5	74.8	74.9	75.0	75.0	75.1	75.1	75.1	75.2	75.3
IV 5000	53.1	67.5	70.6	72.4	74.8	75.7	76.1	76.4	76.6	76.7	76.7	76.7	76.8	76.8	76.9	76.9
IV 4500	53.9	68.7	71.8	73.6	76.0	77.0	77.4	77.7	77.9	77.9	78.0	78.0	78.0	78.1	78.2	78.2
IV 4000	55.5	71.0	74.2	76.1	78.7	79.8	80.4	80.8	81.0	81.1	81.1	81.1	81.2	81.2	81.3	81.3
IV 3500	56.2	72.0	75.5	77.4	81.1	81.2	81.8	82.3	82.4	82.5	82.5	82.6	82.6	82.6	82.7	82.8
IV 3000	56.8	73.5	77.2	79.4	82.1	83.3	83.9	84.4	84.6	84.6	84.7	84.7	84.7	84.8	84.9	84.9
IV 2500	57.4	74.6	78.4	80.7	83.4	84.7	85.3	85.8	86.0	86.1	86.1	86.1	86.2	86.2	86.3	86.3
IV 2000	57.9	76.1	80.2	82.7	85.9	87.2	87.9	88.4	88.6	88.7	88.8	88.8	88.8	88.9	89.0	89.0
IV 1800	58.1	76.5	80.7	83.3	86.6	88.0	88.7	89.2	89.5	89.6	89.6	89.6	89.7	89.7	89.8	89.8
IV 1500	58.3	77.3	81.7	84.4	88.0	89.5	90.4	90.9	91.2	91.2	91.2	91.2	91.3	91.3	91.4	91.5
IV 1200	58.5	78.1	82.7	85.6	89.5	91.3	92.3	92.8	93.0	93.1	93.1	93.2	93.2	93.2	93.3	93.4
IV 1000	58.6	78.7	83.4	86.5	90.8	92.8	93.8	94.3	94.6	94.6	94.7	94.7	94.8	94.8	94.9	95.0
IV 900	58.6	78.8	83.6	86.7	91.1	93.2	94.2	94.8	95.1	95.2	95.2	95.3	95.3	95.3	95.4	95.5
IV 800	58.7	79.2	84.0	87.3	91.9	94.0	95.1	95.8	96.0	96.1	96.2	96.2	96.3	96.3	96.4	96.5
IV 700	58.7	79.3	84.2	87.6	92.3	94.5	95.7	96.4	96.6	96.7	96.8	96.8	96.9	96.9	97.0	97.1
IV 600	58.7	79.4	84.4	87.8	92.8	95.0	96.4	97.1	97.4	97.5	97.6	97.6	97.7	97.7	97.8	97.9
IV 500	58.7	79.4	84.4	87.9	93.0	95.4	96.8	97.6	97.9	98.1	98.1	98.2	98.2	98.3	98.4	98.4
IV 400	58.7	79.4	84.4	87.9	93.1	95.5	97.0	97.9	98.3	98.6	98.7	98.8	98.9	98.9	99.0	99.1
IV 300	58.7	79.4	84.4	87.9	93.1	95.6	97.1	98.1	98.6	98.9	99.0	99.2	99.3	99.4	99.5	99.7
IV 200	58.7	79.4	84.4	87.9	93.1	95.6	97.1	98.2	98.6	99.0	99.1	99.2	99.4	99.5	99.7	99.9
IV 100	58.7	79.4	84.4	87.9	93.1	95.6	97.1	98.2	98.6	99.0	99.1	99.2	99.4	99.5	99.7	99.9
IV 0	58.7	79.4	84.4	87.9	93.1	95.6	97.1	98.2	98.6	99.0	99.1	99.2	99.4	99.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 203

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-75,80

USE WITH CAUTION  
SEE FIRST PAGE

AUG

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	35.9	49.4	54.7	56.6	59.0	59.6	60.9	61.8	61.8	61.8	62.2	62.2	62.4	62.4	62.4	62.4
≥ 20000	35.9	51.1	56.4	58.5	60.9	61.5	62.8	63.7	63.7	63.7	64.1	64.1	64.3	64.3	64.3	64.3
≥ 18000	35.9	51.1	56.4	58.5	60.9	61.5	62.8	63.7	63.7	63.7	64.1	64.1	64.3	64.3	64.3	64.3
≥ 16000	35.9	51.1	56.4	58.5	60.9	61.5	62.8	63.7	63.7	63.7	64.1	64.1	64.3	64.3	64.3	64.3
≥ 14000	36.3	51.5	56.8	59.0	61.3	62.0	63.2	64.1	64.1	64.1	64.5	64.5	64.7	64.7	64.7	64.7
≥ 12000	36.5	52.1	57.5	59.8	62.2	62.8	64.1	65.0	65.2	65.4	65.8	65.8	66.0	66.0	66.0	66.0
≥ 10000	38.0	54.1	59.6	62.0	64.3	65.2	66.5	67.3	67.5	67.9	68.4	68.4	68.6	68.6	68.6	68.8
≥ 9000	38.7	54.7	60.3	62.6	65.0	65.8	67.1	67.9	68.2	68.6	69.0	69.0	69.2	69.2	69.2	69.4
≥ 8000	40.8	57.9	63.7	66.7	69.0	69.9	71.4	72.2	72.4	72.9	73.3	73.3	73.5	73.5	73.9	74.1
≥ 7000	41.1	58.5	64.3	67.3	69.7	70.5	72.0	72.9	73.1	73.5	73.9	73.9	74.1	74.1	74.6	74.8
≥ 6000	42.3	60.3	66.0	69.2	72.0	72.9	74.4	75.2	75.4	75.9	76.3	76.3	76.5	76.5	76.9	77.1
≥ 5000	42.3	60.7	66.7	69.9	72.6	73.5	75.0	75.9	76.1	76.5	76.9	76.9	77.1	77.1	77.6	77.8
≥ 4500	42.3	60.7	66.7	70.1	72.9	73.7	75.2	76.1	76.3	76.7	77.1	77.1	77.4	77.4	77.8	78.0
≥ 4000	42.3	60.7	66.7	70.1	72.9	73.7	75.2	76.1	76.3	76.7	77.1	77.1	77.4	77.4	77.8	78.0
≥ 3500	42.3	60.9	66.9	70.3	73.1	73.9	75.4	76.3	76.5	76.9	77.4	77.4	77.6	77.6	78.0	78.2
≥ 3000	42.7	61.3	67.3	71.2	73.9	74.8	76.3	77.1	77.4	77.8	78.2	78.2	78.4	78.4	78.8	79.1
≥ 2500	43.2	61.8	67.7	71.6	74.4	75.2	77.1	78.0	78.2	78.6	79.1	79.1	79.3	79.3	79.7	79.9
≥ 2000	44.0	63.7	69.7	73.9	76.9	77.8	80.1	81.0	81.2	81.6	82.1	82.1	82.3	82.3	82.7	82.9
≥ 1800	44.2	64.3	70.3	74.6	77.6	78.4	80.8	81.6	81.8	82.3	82.7	82.7	82.9	82.9	83.3	83.5
≥ 1500	44.9	66.2	72.4	76.7	79.9	80.8	83.1	84.2	84.4	84.8	85.3	85.3	85.5	85.5	85.9	86.1
≥ 1200	45.3	67.1	73.5	78.0	81.4	82.3	84.6	85.7	85.9	86.3	86.8	86.8	87.0	87.0	87.4	87.6
≥ 1000	45.3	68.4	75.4	79.9	83.3	84.2	86.5	87.6	87.8	88.2	88.7	88.7	88.9	88.9	89.3	89.5
≥ 900	45.3	68.6	75.6	80.1	83.5	84.4	86.8	87.8	88.0	88.5	88.9	88.9	89.1	89.1	89.5	89.7
≥ 800	45.3	69.4	77.1	81.6	85.3	86.1	88.7	89.7	90.0	90.4	90.8	90.8	91.0	91.0	91.5	91.7
≥ 700	45.3	69.7	77.6	82.5	86.8	87.6	90.2	91.2	91.5	91.9	92.3	92.3	92.5	92.5	92.9	93.2
≥ 600	45.3	70.5	78.6	83.8	88.0	88.9	91.9	92.9	93.2	93.6	94.0	94.0	94.2	94.2	94.7	95.1
≥ 500	45.3	70.5	79.1	84.4	89.7	90.6	93.6	95.1	95.3	95.7	96.2	96.2	96.4	96.4	96.8	97.2
≥ 400	45.3	70.5	79.1	84.4	89.7	90.6	94.0	95.5	95.7	96.2	96.6	96.6	96.8	96.8	97.2	97.6
≥ 300	45.3	70.5	79.1	84.4	89.7	91.0	94.4	96.2	96.4	96.8	97.2	97.2	97.4	97.4	97.9	98.3
≥ 200	45.3	70.5	79.1	84.4	89.7	91.0	94.4	96.8	97.0	97.4	97.9	97.9	98.1	98.1	98.7	99.8
≥ 100	45.3	70.5	79.1	84.4	89.7	91.2	94.7	97.0	97.2	97.6	98.1	98.1	98.3	98.3	98.9	100.0
≥ 0	45.3	70.5	79.1	84.4	89.7	91.2	94.7	97.0	97.2	97.6	98.1	98.1	98.3	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 468

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70, 73-75, 79-80  
 YEARS

AUG  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

6300-0500  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	29.3	38.5	43.9	46.5	49.0	50.1	52.7	55.5	56.1	57.0	57.6	57.6	57.8	58.2	58.7	59.3
≥ 20000	30.0	39.4	45.2	48.0	51.0	52.0	54.6	57.6	58.2	59.1	59.7	59.7	60.0	60.4	60.8	61.7
IV 18000	30.0	39.4	45.2	48.0	51.0	52.0	54.6	57.6	58.2	59.1	59.7	59.7	60.0	60.4	60.8	61.7
IV 16000	30.0	39.4	45.2	48.0	51.0	52.0	54.6	57.6	58.2	59.1	59.7	59.7	60.0	60.4	60.8	61.7
IV 14000	30.0	39.4	45.2	48.0	51.0	52.0	54.6	57.6	58.2	59.1	59.7	59.7	60.0	60.4	60.8	61.7
IV 12000	31.3	40.7	46.5	49.5	52.5	53.5	56.1	59.1	59.7	60.6	61.2	61.2	61.5	61.9	62.3	63.2
IV 10000	32.5	42.2	48.2	51.2	54.4	55.5	58.0	61.0	61.7	63.0	63.6	63.6	63.8	64.2	64.7	65.7
IV 9000	32.8	42.8	48.8	51.8	55.0	56.1	58.7	61.7	62.3	63.6	64.2	64.2	64.5	64.9	65.3	66.4
IV 8000	33.8	45.6	51.6	54.8	58.0	59.3	61.9	64.9	65.5	66.8	67.5	67.5	67.7	68.1	68.7	69.8
IV 7000	34.9	46.7	52.7	55.9	59.1	60.4	63.0	66.0	66.8	68.1	68.7	68.7	69.0	69.4	70.0	71.1
IV 6000	35.3	47.1	53.1	56.3	59.5	60.8	63.4	66.4	67.2	68.5	69.2	69.2	69.4	69.8	70.4	71.5
IV 5000	35.3	47.3	53.3	56.5	59.7	61.0	63.6	66.6	67.5	69.0	69.6	69.6	69.8	70.2	70.9	71.9
IV 4500	35.3	47.3	53.5	56.7	60.0	61.2	63.8	66.8	67.7	69.2	69.8	69.8	70.0	70.4	71.1	72.2
IV 4000	35.3	48.0	54.2	57.4	60.8	62.1	64.7	67.7	68.5	70.0	70.7	70.7	70.9	71.3	71.9	73.0
IV 3500	36.0	48.4	54.6	57.8	61.5	62.7	65.3	68.3	69.2	70.7	71.3	71.3	71.5	71.9	72.6	73.7
IV 3000	36.6	49.5	55.9	59.3	63.0	64.2	66.8	69.8	70.7	72.2	72.8	72.8	73.0	73.4	74.1	75.2
IV 2500	36.8	51.0	57.6	61.0	64.7	66.0	69.0	71.9	72.8	74.3	74.9	74.9	75.2	75.6	76.2	77.3
IV 2000	36.8	51.2	58.0	61.7	65.5	66.8	70.2	73.2	74.3	75.8	76.4	76.4	76.7	77.1	77.7	78.8
IV 1800	36.8	51.2	58.0	61.9	65.7	67.0	70.4	73.4	74.5	76.0	76.7	76.7	76.9	77.3	77.9	79.0
IV 1500	37.3	52.7	59.7	64.0	68.1	69.4	73.0	76.0	77.1	78.6	79.2	79.2	79.4	79.9	80.5	81.6
IV 1200	37.7	54.0	61.0	65.7	69.8	71.3	74.9	78.2	79.2	80.7	81.4	81.4	81.6	82.0	82.7	83.7
IV 1000	37.9	55.5	63.0	67.9	71.9	73.4	77.3	80.5	81.6	83.1	83.7	83.7	83.9	84.4	85.0	86.1
IV 900	37.9	55.5	63.0	68.1	72.4	73.9	77.7	80.9	82.0	83.5	84.2	84.2	84.4	84.8	85.4	86.7
IV 800	37.9	55.5	63.2	68.3	72.8	74.3	78.2	81.6	82.7	84.2	84.8	84.8	85.0	85.4	86.1	87.6
IV 700	37.9	55.5	63.8	69.2	73.9	75.4	79.2	82.7	83.7	85.2	85.9	85.9	86.1	86.5	87.2	88.9
IV 600	37.9	55.5	64.2	69.6	74.3	75.8	79.7	83.3	84.4	85.9	86.5	86.5	86.7	87.2	87.8	89.5
IV 500	37.9	55.5	64.7	70.2	75.6	77.1	80.9	85.0	86.1	87.6	88.2	88.2	88.4	88.9	89.5	91.2
IV 400	37.9	55.5	64.7	70.4	76.2	78.4	82.7	86.9	88.2	90.1	90.8	91.0	91.2	91.6	92.5	95.1
IV 300	37.9	55.5	64.7	70.4	76.2	78.6	83.5	88.0	89.3	91.2	91.9	92.3	92.5	92.9	93.8	97.4
IV 200	37.9	55.5	64.7	70.4	76.2	78.6	83.5	88.0	89.3	91.4	92.3	92.7	92.9	93.4	94.2	98.3
IV 100	37.9	55.5	64.7	70.4	76.2	78.6	83.5	88.0	89.3	91.4	92.3	92.7	93.4	93.8	94.6	98.9
IV 0	37.9	55.5	64.7	70.4	76.2	78.6	83.5	88.0	89.3	91.4	92.3	92.7	93.4	93.8	94.6	100.0

TOTAL NUMBER OF OBSERVATIONS 467

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	25.8	33.0	35.3	37.5	40.7	42.5	44.1	44.9	45.6	45.7	45.9	45.9	46.2	46.2	46.4	46.9
≥ 20000	27.6	35.8	38.5	40.8	44.3	46.1	47.8	49.0	49.9	50.0	50.3	50.3	50.6	50.6	50.9	51.5
IV 18000	27.6	35.8	38.5	40.8	44.3	46.1	47.8	49.0	49.9	50.0	50.3	50.3	50.6	50.6	50.9	51.5
IV 16000	27.6	35.8	38.5	40.8	44.3	46.1	47.8	49.0	49.9	50.0	50.3	50.3	50.6	50.6	50.9	51.5
IV 14000	28.0	36.4	39.1	41.5	44.9	46.8	48.5	49.7	50.5	50.6	51.0	51.0	51.3	51.3	51.5	52.2
IV 12000	29.6	38.6	41.8	44.2	48.0	49.9	51.6	52.8	53.7	53.9	54.2	54.2	54.5	54.5	54.7	55.4
IV 10000	31.4	41.5	44.9	47.4	51.5	53.4	55.6	57.0	57.9	58.2	58.5	58.5	58.8	58.8	59.1	59.7
IV 9000	32.1	42.3	45.8	48.4	52.5	54.4	56.6	58.0	58.8	59.3	59.6	59.6	59.9	59.9	60.1	60.8
IV 8000	33.0	44.2	48.0	50.6	55.1	57.2	59.5	61.0	61.9	62.4	62.8	62.8	63.1	63.1	63.4	64.0
IV 7000	33.1	44.8	48.7	51.5	56.0	58.2	60.6	62.2	63.0	63.6	64.0	64.0	64.3	64.3	64.5	65.2
IV 6000	33.2	45.3	49.1	51.9	56.6	58.8	61.2	62.8	63.7	64.2	64.7	64.7	65.0	65.0	65.2	65.8
IV 5000	33.6	46.4	50.4	53.2	57.9	60.1	62.6	64.2	65.1	65.6	66.1	66.1	66.4	66.4	66.6	67.2
IV 4500	33.8	46.8	50.8	53.6	58.2	60.6	63.0	64.7	65.5	66.1	66.5	66.5	66.8	66.8	67.0	67.7
IV 4000	34.2	47.3	51.5	54.3	59.1	61.4	63.9	65.5	66.4	66.9	67.3	67.3	67.7	67.7	67.9	68.5
IV 3500	34.4	47.7	51.9	54.7	59.5	62.0	64.4	66.1	66.9	67.5	67.9	67.9	68.2	68.2	68.4	69.1
IV 3000	35.0	48.5	52.7	55.6	60.5	62.9	65.5	67.1	68.2	68.8	69.2	69.2	69.5	69.5	69.7	70.4
IV 2500	35.8	49.1	53.4	56.4	61.3	63.8	66.4	68.0	69.1	69.6	70.0	70.0	70.4	70.4	70.6	71.2
IV 2000	36.0	50.3	54.8	58.0	63.1	65.7	68.3	70.0	71.2	71.8	72.2	72.2	72.5	72.5	72.7	73.4
IV 1800	36.2	50.8	55.3	58.5	63.7	66.3	68.9	70.6	71.8	72.3	72.7	72.7	73.1	73.1	73.3	73.9
IV 1500	36.9	51.5	56.9	60.5	66.3	69.1	71.7	73.4	74.6	75.1	75.5	75.5	75.9	75.9	76.1	76.7
IV 1200	38.0	53.4	59.1	62.9	68.9	71.9	74.9	76.6	77.8	78.3	78.8	78.8	79.1	79.1	79.3	80.0
IV 1000	38.3	54.0	59.8	63.8	70.3	73.5	76.6	78.3	79.5	80.1	80.5	80.5	80.8	80.9	81.1	81.9
IV 900	38.4	54.4	60.5	64.8	71.8	74.9	78.3	80.2	81.4	81.9	82.3	82.3	82.7	82.8	83.0	83.7
IV 800	38.4	54.7	60.9	65.4	72.8	76.4	80.2	82.1	83.3	83.8	84.4	84.4	84.7	84.8	85.1	85.9
IV 700	38.4	54.7	61.0	65.7	73.3	77.2	81.4	83.4	84.6	85.1	85.7	85.7	86.0	86.1	86.4	87.2
IV 600	38.4	54.7	61.3	66.2	74.4	78.2	82.8	85.0	86.3	86.9	87.4	87.4	87.7	87.8	88.3	89.0
IV 500	38.4	54.7	61.3	66.3	75.1	79.1	83.6	86.3	88.1	88.8	89.3	89.3	89.8	89.9	90.3	91.3
IV 400	38.4	55.0	61.6	66.6	76.0	80.1	84.8	88.0	90.1	91.1	91.8	91.8	92.2	92.5	93.1	94.2
IV 300	38.4	55.0	61.6	66.6	76.0	80.2	85.1	88.7	91.1	92.2	93.2	93.3	94.0	94.4	95.0	96.6
IV 200	38.4	55.0	61.6	66.6	76.0	80.2	85.1	88.8	91.3	92.9	94.1	94.2	94.9	95.4	96.1	98.0
IV 100	38.4	55.0	61.6	66.6	76.0	80.2	85.1	88.8	91.3	92.9	94.3	94.4	95.2	95.8	96.7	99.2
IV 0	38.4	55.0	61.6	66.6	76.0	80.2	85.1	88.8	91.3	92.9	94.3	94.4	95.2	95.8	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 928



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14 703

WESTOVER AFB MA

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1½	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	35.2	46.0	48.7	50.9	53.0	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 20000	38.4	50.1	52.9	55.2	57.5	57.8	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 18000	38.6	50.3	53.1	55.4	57.7	58.1	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 16000	38.6	50.3	53.1	55.4	57.7	58.1	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
IV 14000	38.7	50.8	53.5	55.9	58.3	58.6	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 12000	40.8	53.5	56.9	59.5	61.8	62.3	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 10000	42.5	56.7	60.4	63.2	65.9	66.3	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 9000	42.6	57.2	61.0	63.8	66.5	66.9	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 8000	44.2	59.4	63.2	66.1	68.8	69.2	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 7000	44.5	59.9	63.9	66.8	69.5	70.0	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 6000	44.7	60.1	64.1	67.0	69.7	70.2	70.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 5000	45.2	60.5	64.6	67.5	70.3	70.9	71.2	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 4500	45.8	61.6	65.7	68.6	71.4	71.9	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 4000	46.2	62.4	66.6	69.5	72.4	73.0	73.3	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 3500	46.9	63.4	67.6	70.5	73.8	74.4	74.9	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IV 3000	47.8	64.7	68.9	72.0	75.3	76.0	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 2500	48.4	65.8	70.2	73.7	77.1	77.8	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 2000	50.0	68.1	72.6	76.6	80.2	81.3	82.0	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 1800	50.4	68.7	73.3	77.4	81.2	82.3	83.0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 1500	51.5	71.1	76.0	80.4	84.3	85.5	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 1200	52.0	72.9	78.5	83.1	87.3	88.6	89.5	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 1000	52.3	73.3	79.2	84.1	88.7	90.2	91.1	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 900	52.3	73.5	79.6	84.6	89.4	91.0	91.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 800	52.3	73.9	80.0	85.3	90.0	91.9	93.0	94.1	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4
IV 700	52.5	74.4	80.5	86.0	90.9	93.1	94.2	95.3	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
IV 600	52.5	74.5	80.6	86.3	91.9	94.3	95.7	96.8	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2
IV 500	52.5	74.6	81.1	87.0	93.0	95.5	97.0	98.4	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
IV 400	52.5	74.7	81.5	87.7	93.8	96.2	97.8	99.2	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	52.5	74.7	81.5	87.7	93.9	96.3	98.1	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 200	52.5	74.7	81.5	87.7	93.9	96.3	98.1	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 100	52.5	74.7	81.5	87.7	93.9	96.3	98.1	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0
IV 0	52.5	74.7	81.5	87.7	93.9	96.3	98.1	99.5	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

AUG  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	40.4	49.4	50.6	52.4	52.7	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
IV 20000	44.3	55.4	56.9	58.8	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 18000	44.5	55.6	57.1	59.0	59.6	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 16000	44.6	55.7	57.2	59.1	59.7	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
IV 14000	45.3	56.5	58.0	59.9	60.4	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 12000	47.2	58.5	60.5	62.5	63.0	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 10000	48.7	60.9	62.7	64.9	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 9000	49.5	62.4	64.3	66.7	67.3	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 8000	51.2	64.9	67.2	69.6	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 7000	52.3	66.3	68.6	71.0	71.6	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 6000	52.3	66.3	68.6	71.0	71.6	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 5000	53.8	68.2	70.8	73.2	74.0	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 4500	55.1	70.1	72.7	75.2	76.1	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 4000	56.9	72.9	75.7	78.3	79.6	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3500	58.0	74.4	77.2	80.1	81.8	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 3000	59.4	76.9	79.7	82.6	84.5	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 2500	61.0	79.5	82.5	85.5	87.6	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 2000	61.6	81.5	84.8	87.8	90.1	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800	62.0	82.5	85.8	88.8	91.1	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 1500	62.6	83.4	86.9	90.1	92.6	93.3	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 1200	63.1	84.7	88.5	91.7	94.2	94.9	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 1000	63.1	85.2	89.1	92.5	95.1	95.8	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 900	63.1	85.2	89.1	92.8	95.6	96.3	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 800	63.1	85.5	89.5	93.2	96.1	97.1	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700	63.2	85.6	89.6	93.3	96.2	97.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 600	63.2	85.9	90.1	94.3	97.3	98.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	63.2	86.0	90.3	94.5	97.5	98.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	63.2	86.0	90.3	94.6	97.6	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	63.2	86.0	90.3	94.6	97.6	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	63.2	86.0	90.3	94.6	97.6	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	63.2	86.0	90.3	94.6	97.6	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	63.2	86.0	90.3	94.6	97.6	98.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	41.1	48.9	51.0	51.1	52.3	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 2000	46.9	57.3	58.4	59.5	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 1800	46.9	57.3	58.4	59.5	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 1600	46.9	57.4	58.5	59.6	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
IV 1400	47.3	57.8	58.9	60.0	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1200	50.9	61.7	63.0	64.1	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 1000	53.0	65.4	66.8	68.2	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 900	53.9	66.5	67.8	69.2	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 800	55.8	70.2	71.6	73.1	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 700	56.9	71.6	73.0	74.5	76.2	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 6000	57.0	71.7	73.1	74.6	76.5	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 5000	58.4	73.4	74.9	76.6	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4500	59.5	75.2	76.7	78.4	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 4000	61.3	78.0	79.7	81.4	83.3	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 3500	62.1	79.2	81.4	83.3	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 3000	63.3	80.6	82.9	84.9	87.5	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 2500	64.1	82.0	84.5	86.8	89.5	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 2000	65.6	84.1	86.7	89.0	92.0	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 1800	66.1	84.8	87.4	89.8	92.8	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1500	66.3	85.4	88.2	90.6	93.9	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 1200	66.5	86.6	89.6	92.3	95.6	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1000	66.7	87.0	90.2	93.1	96.8	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 900	66.7	87.1	90.3	93.3	97.1	97.5	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1
IV 800	66.7	87.1	90.4	93.5	97.4	97.8	98.5	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 700	66.7	87.3	90.9	94.0	97.8	98.4	99.1	99.2	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	66.7	87.3	90.9	94.0	98.0	98.5	99.2	99.4	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7
IV 500	66.7	87.3	91.0	94.1	98.1	98.6	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8
IV 400	66.7	87.3	91.0	94.1	98.1	98.6	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.9	99.9
IV 300	66.7	87.3	91.0	94.1	98.1	98.6	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.9	99.9
IV 200	66.7	87.3	91.0	94.1	98.1	98.6	99.4	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.9	99.9
IV 100	66.7	87.3	91.0	94.2	98.2	98.7	99.5	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0
IV 0	66.7	87.3	91.0	94.2	98.2	98.7	99.5	99.6	99.7	99.8	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

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

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	39.9 44.4	48.8 56.2	50.8 58.4	51.8 59.9	53.4 62.0	53.9 62.6	54.2 63.2	54.2 63.2	54.2 63.2	54.2 63.2	54.2 63.2	54.2 63.2	54.2 63.2	54.2 63.2	54.2 63.2	54.2 63.2
IV 18000 16000	44.6 44.8	56.5 56.8	58.6 58.9	60.1 60.4	62.3 62.6	62.8 63.1	63.4 63.8	63.4 63.8	63.4 63.8	63.4 63.8	63.4 63.8	63.4 63.8	63.4 63.8	63.4 63.8	63.4 63.8	63.4 63.8
IV 14000 12000	45.1 47.0	57.3 59.6	59.5 61.8	61.0 63.4	63.1 65.6	63.7 66.1	64.3 66.9	64.3 66.9	64.3 66.9	64.3 66.9	64.3 66.9	64.3 66.9	64.3 66.9	64.3 66.9	64.3 66.9	64.3 66.9
IV 10000 9000	49.6 50.6	63.0 64.7	65.6 66.7	67.2 68.3	69.4 70.4	69.9 71.0	70.6 71.7	70.6 71.7	70.6 71.7	70.6 71.7	70.6 71.7	70.6 71.7	70.6 71.7	70.6 71.7	70.6 71.7	70.6 71.7
IV 8000 7000	52.7 53.4	67.3 68.6	70.2 71.5	71.8 73.3	74.0 75.6	74.5 76.1	75.3 76.9	75.3 76.9	75.3 76.9	75.3 76.9	75.3 76.9	75.3 76.9	75.3 76.9	75.3 76.9	75.3 76.9	75.3 76.9
IV 6000 5000	54.2 55.4	69.4 70.9	72.4 73.9	74.2 75.7	76.5 78.0	77.0 78.5	77.7 79.2	77.7 79.2	77.7 79.2	77.7 79.2	77.7 79.2	77.7 79.2	77.7 79.2	77.7 79.2	77.7 79.2	77.7 79.2
IV 4500 4000	56.2 57.1	72.3 74.0	75.7 77.6	77.5 79.6	79.8 82.2	80.3 82.7	81.1 83.4	81.2 83.5	81.2 83.5	81.2 83.5	81.2 83.5	81.2 83.5	81.2 83.5	81.2 83.5	81.2 83.5	81.2 83.5
IV 3500 3000	58.1 58.8	75.3 76.7	79.0 79.9	81.2 82.0	84.0 85.2	84.7 86.0	85.7 87.0	85.8 87.1	85.8 87.1	85.8 87.1	85.8 87.1	85.8 87.1	85.8 87.1	85.8 87.1	85.8 87.1	85.8 87.1
IV 2500 2000	59.9 60.6	77.6 79.0	81.4 83.0	83.7 85.4	86.8 89.0	87.7 90.2	88.7 91.3	88.9 91.5	89.0 91.6	89.0 91.6	89.0 91.7	89.0 91.7	89.0 91.7	89.0 91.7	89.0 91.7	89.0 91.7
IV 1800 1500	60.9 61.1	79.1 79.9	83.1 84.2	85.5 86.9	89.1 90.8	90.3 91.9	91.4 93.0	91.6 93.3	91.7 93.4	91.8 93.4	91.8 93.5	91.8 93.5	91.8 93.5	91.8 93.5	91.8 93.5	91.8 93.5
IV 1200 1000	61.6 61.7	80.9 81.9	85.2 86.3	88.0 89.1	92.0 93.4	93.2 95.1	94.3 96.2	94.6 96.7	94.7 96.8	94.7 96.8	94.8 96.9	94.8 96.9	94.8 96.9	94.8 96.9	94.8 96.9	94.8 96.9
IV 900 800	61.7 61.7	81.9 81.9	86.6 86.7	89.4 89.6	93.7 94.1	95.3 95.7	96.5 97.0	96.9 97.5	97.0 97.6	97.0 97.6	97.1 97.7	97.1 97.7	97.1 97.7	97.1 97.7	97.1 97.7	97.1 97.7
IV 700 600	61.7 61.7	82.3 82.3	87.2 87.2	90.1 90.1	94.6 94.7	96.2 96.3	97.5 97.6	98.1 98.2	98.2 98.3	98.2 98.4	98.3 98.5	98.3 98.5	98.3 98.5	98.3 98.5	98.3 98.5	98.3 98.5
IV 500 400	61.7 61.7	82.3 82.3	87.2 87.2	90.1 90.1	94.8 94.8	96.6 96.6	97.8 97.8	98.4 98.5	98.8 99.1	98.9 99.4	99.0 99.5	99.1 99.6	99.1 99.6	99.1 99.6	99.2 99.7	99.2 99.7
IV 300 200	61.7 61.7	82.3 82.3	87.3 87.3	90.2 90.2	94.9 94.9	96.7 96.7	98.0 98.0	98.6 98.6	99.4 99.4	99.6 99.6	99.7 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
IV 100 0	61.7 61.7	82.3 82.3	87.3 87.3	90.2 90.2	94.9 94.9	96.7 96.7	98.0 98.0	98.6 98.6	99.4 99.4	99.6 99.6	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14723

WESTOVER AFB MA

69-70, 73-80

AUG

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¼	≥0
NO CEILING	38.9	52.7	54.6	57.0	58.3	58.6	58.9	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IV 20000	40.9	55.6	57.5	59.9	61.5	61.8	62.3	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 18000	40.9	55.6	57.5	59.9	61.5	61.8	62.3	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 16000	41.6	56.4	58.3	60.7	62.3	62.6	63.1	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 14000	42.4	57.2	59.1	61.5	63.1	63.4	63.9	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
IV 12000	43.3	58.9	60.8	63.2	64.8	65.1	66.1	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 10000	45.5	62.1	64.0	66.4	68.0	68.3	69.3	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 9000	45.9	62.6	64.5	66.9	68.5	68.8	69.9	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 8000	48.2	66.2	68.5	70.9	72.5	72.8	73.9	74.7	74.8	74.8	74.8	74.8	75.0	75.0	75.2	75.2
IV 7000	49.0	67.5	70.1	72.5	74.2	74.5	75.6	76.4	76.6	76.6	76.6	76.6	76.8	76.8	76.9	76.9
IV 6000	50.0	68.8	71.3	73.9	75.6	76.0	77.1	77.9	78.0	78.0	78.0	78.0	78.2	78.2	78.3	78.3
IV 5000	50.6	70.4	73.1	75.6	77.7	78.2	79.3	80.1	80.3	80.3	80.3	80.3	80.4	80.4	80.6	80.6
IV 4500	50.6	70.7	73.6	76.3	78.3	78.8	79.9	80.7	80.9	80.9	80.9	80.9	81.1	81.1	81.2	81.2
IV 4000	51.3	72.3	75.2	78.0	80.3	80.7	81.8	82.6	82.8	82.8	82.8	82.8	83.0	83.0	83.1	83.1
IV 3500	51.4	72.5	75.3	78.3	80.7	81.2	82.3	83.1	83.3	83.3	83.3	83.3	83.4	83.4	83.6	83.6
IV 3000	52.1	73.1	76.1	79.3	81.7	82.2	83.3	84.1	84.2	84.2	84.2	84.2	84.4	84.4	84.6	84.6
IV 2500	52.1	73.2	76.4	79.6	82.2	82.6	83.8	84.6	84.7	84.7	84.7	84.7	84.9	84.9	85.0	85.0
IV 2000	53.3	75.2	78.8	82.3	85.0	85.5	86.9	87.9	88.1	88.1	88.1	88.1	88.2	88.2	88.4	88.4
IV 1800	53.5	75.6	79.5	83.0	85.7	86.3	87.7	88.9	89.0	89.0	89.0	89.0	89.2	89.2	89.3	89.3
IV 1500	54.5	77.4	81.4	85.4	88.1	88.7	90.1	91.2	91.4	91.4	91.4	91.4	91.6	91.6	91.7	91.7
IV 1200	54.8	79.1	83.4	87.7	90.4	91.1	92.5	93.6	93.8	93.8	93.8	93.8	93.9	93.9	94.1	94.1
IV 1000	55.1	80.3	84.6	88.9	92.0	92.8	94.3	95.4	95.5	95.5	95.5	95.5	95.7	95.7	95.9	95.9
IV 900	55.1	80.3	84.6	88.9	92.0	92.8	94.4	95.5	95.7	95.7	95.7	95.7	95.9	95.9	96.0	96.0
IV 800	55.1	80.3	85.2	89.5	92.7	93.6	95.7	96.8	97.0	97.0	97.0	97.0	97.1	97.1	97.3	97.3
IV 700	55.1	80.4	85.5	89.8	93.3	94.4	96.5	97.6	97.8	97.8	97.8	97.8	97.9	97.9	98.1	98.1
IV 600	55.1	80.4	85.5	89.8	93.3	94.6	97.0	98.1	98.2	98.2	98.2	98.2	98.4	98.4	98.6	98.6
IV 500	55.1	80.4	85.5	89.8	93.6	94.9	97.3	98.4	98.6	98.6	98.6	98.6	98.7	98.7	98.9	98.9
IV 400	55.1	80.4	85.5	89.8	93.6	94.9	97.5	98.6	98.7	99.0	99.0	99.0	99.2	99.2	99.4	99.4
IV 300	55.1	80.4	85.5	89.8	93.6	94.9	97.5	98.6	98.7	99.0	99.0	99.0	99.5	99.5	99.7	99.7
IV 200	55.1	80.4	85.5	89.8	93.6	94.9	97.6	98.7	98.9	99.2	99.4	99.4	99.8	99.8	100.0	100.0
IV 100	55.1	80.4	85.5	89.8	93.6	94.9	97.6	98.7	98.9	99.2	99.4	99.4	99.8	99.8	100.0	100.0
IV 0	55.1	80.4	85.5	89.8	93.6	94.9	97.6	98.7	98.9	99.2	99.4	99.4	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

628

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	36.1	45.8	48.2	50.0	51.8	52.4	53.0	53.5	53.6	53.7	53.8	53.8	53.9	53.9	54.0	54.1
IV 20000	39.3	50.6	53.1	55.1	57.2	57.8	58.5	59.1	59.3	59.4	59.5	59.5	59.6	59.6	59.7	59.8
IV 18000	39.4	50.7	53.2	55.2	57.3	57.9	58.6	59.2	59.4	59.5	59.6	59.6	59.7	59.7	59.8	59.9
IV 16000	39.5	50.8	53.3	55.3	57.4	58.1	58.8	59.4	59.6	59.6	59.8	59.8	59.8	59.9	59.9	60.1
IV 14000	39.9	51.4	53.9	55.9	58.0	58.6	59.3	59.9	60.1	60.2	60.3	60.3	60.4	60.4	60.5	60.7
IV 12000	41.7	53.7	56.5	58.6	60.7	61.3	62.1	62.7	62.9	63.0	63.2	63.2	63.2	63.3	63.3	63.5
IV 10000	43.6	56.5	59.6	61.8	64.0	64.7	65.6	66.2	66.4	66.6	66.7	66.7	66.8	66.8	66.9	67.1
IV 9000	44.2	57.4	60.5	62.7	65.0	65.7	66.5	67.2	67.4	67.6	67.7	67.7	67.8	67.8	67.9	68.1
IV 8000	46.0	60.3	63.5	65.9	68.2	68.9	69.9	70.5	70.7	70.9	71.1	71.1	71.2	71.2	71.3	71.5
IV 7000	46.6	61.3	64.6	67.1	69.4	70.2	71.1	71.8	72.0	72.2	72.4	72.4	72.5	72.5	72.6	72.8
IV 6000	47.0	61.9	65.2	67.6	70.1	70.8	71.8	72.5	72.7	72.9	73.0	73.0	73.1	73.2	73.3	73.5
IV 5000	47.8	63.1	66.5	69.0	71.5	72.3	73.3	73.9	74.2	74.4	74.5	74.5	74.6	74.7	74.8	75.0
IV 4500	48.4	64.1	67.6	70.1	72.6	73.4	74.4	75.1	75.4	75.6	75.7	75.7	75.8	75.8	76.0	76.2
IV 4000	49.3	65.6	69.2	71.8	74.5	75.3	76.3	77.0	77.3	77.5	77.6	77.6	77.7	77.7	77.9	78.1
IV 3500	49.9	66.5	70.2	72.9	75.8	76.7	77.8	78.5	78.7	78.9	79.1	79.1	79.1	79.2	79.3	79.5
IV 3000	50.8	67.7	71.5	74.3	77.4	78.3	79.4	80.1	80.3	80.6	80.7	80.7	80.8	80.8	81.0	81.2
IV 2500	51.5	68.9	72.9	75.8	79.0	79.9	81.1	81.8	82.1	82.3	82.5	82.5	82.6	82.6	82.7	82.9
IV 2000	52.5	70.6	74.8	77.9	81.4	82.5	83.8	84.5	84.8	85.1	85.2	85.2	85.3	85.4	85.5	85.7
IV 1800	52.8	71.1	75.3	78.5	82.0	83.1	84.5	85.2	85.5	85.8	85.9	85.9	86.0	86.0	86.2	86.4
IV 1500	53.4	72.4	76.9	80.4	84.1	85.2	86.6	87.4	87.7	88.0	88.1	88.1	88.2	88.3	88.4	88.6
IV 1200	53.9	73.8	78.6	82.3	86.1	87.3	88.8	89.6	90.0	90.2	90.4	90.4	90.5	90.5	90.6	90.8
IV 1000	54.0	74.5	79.6	83.4	87.5	88.9	90.4	91.3	91.6	91.9	92.0	92.0	92.1	92.2	92.3	92.5
IV 900	54.1	74.7	79.8	83.7	88.0	89.4	91.1	92.0	92.3	92.5	92.7	92.7	92.8	92.9	93.0	93.2
IV 800	54.1	74.9	80.2	84.3	88.7	90.2	92.1	93.1	93.4	93.7	93.9	93.9	94.0	94.0	94.2	94.4
IV 700	54.1	75.1	80.5	84.7	89.3	91.0	92.9	94.0	94.3	94.6	94.8	94.8	94.9	94.9	95.1	95.3
IV 600	54.1	75.2	80.8	85.1	90.0	91.7	93.8	94.8	95.3	95.5	95.7	95.7	95.8	95.9	96.0	96.3
IV 500	54.1	75.2	81.0	85.4	90.5	92.3	94.4	95.7	96.2	96.5	96.7	96.7	96.8	96.9	97.1	97.4
IV 400	54.1	75.3	81.1	85.6	90.9	92.7	95.0	96.3	96.9	97.3	97.6	97.6	97.7	97.8	98.0	98.4
IV 300	54.1	75.3	81.1	85.6	90.9	92.8	95.2	96.6	97.3	97.7	98.0	98.1	98.2	98.3	98.6	99.1
IV 200	54.1	75.3	81.1	85.6	90.9	92.8	95.2	96.7	97.4	97.9	98.2	98.3	98.5	98.6	98.9	99.5
IV 100	54.1	75.3	81.1	85.6	90.9	92.8	95.2	96.7	97.4	97.9	98.3	98.4	98.6	98.7	99.0	99.8
IV 0	54.1	75.3	81.1	85.6	90.9	92.8	95.2	96.7	97.4	97.9	98.3	98.4	98.6	98.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 6211

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14 703 WESTOVER AFB MA

69-70, 73-75, 80

USE WITH CAUTION  
 SEE FIRST PAGE

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING	37.5	42.2	44.0	45.4	47.3	48.7	50.1	50.7	51.1	51.9	52.3	52.3	52.5	52.7	52.7	53.1
≥ 20000	38.7	43.6	45.4	46.7	48.7	50.1	51.7	52.7	53.1	53.8	54.2	54.2	54.4	54.6	54.6	55.0
IV ≥ 18000	38.9	43.8	45.6	46.9	48.9	50.3	51.9	52.9	53.3	54.0	54.4	54.4	54.6	54.8	54.8	55.2
IV ≥ 16000	38.9	44.0	45.8	47.1	49.1	50.5	52.1	53.1	53.5	54.2	54.6	54.6	54.8	55.0	55.0	55.4
IV ≥ 14000	38.9	44.0	45.8	47.1	49.1	50.5	52.1	53.1	53.5	54.2	54.6	54.6	54.8	55.0	55.0	55.4
IV ≥ 12000	39.3	44.4	46.2	47.5	49.5	50.9	52.5	53.5	53.8	54.6	55.0	55.0	55.2	55.4	55.4	55.8
IV ≥ 10000	41.2	46.5	48.9	50.3	52.5	53.8	55.4	56.4	56.8	57.6	58.0	58.0	58.2	58.4	58.4	58.8
IV ≥ 9000	42.0	47.5	50.5	51.9	54.0	55.4	57.0	58.0	58.4	59.2	59.6	59.6	59.8	60.4	60.4	60.4
IV ≥ 8000	43.6	50.1	53.5	55.0	57.8	59.2	60.7	61.7	62.1	62.9	63.3	63.3	63.5	63.7	63.7	64.1
IV ≥ 7000	45.2	52.1	55.4	57.2	60.0	61.3	63.1	64.7	65.1	65.9	66.3	66.3	66.5	66.7	66.7	67.1
IV ≥ 6000	45.4	52.7	56.0	57.8	60.6	61.9	63.7	65.3	65.7	66.5	66.9	66.9	67.1	67.3	67.3	67.7
IV ≥ 5000	46.5	55.2	58.6	60.4	63.1	64.5	66.3	67.9	68.2	69.0	69.4	69.4	69.6	69.8	69.8	70.2
IV ≥ 4500	47.3	56.6	60.0	61.7	64.5	65.9	67.7	69.2	69.6	70.4	70.8	70.8	71.0	71.2	71.2	71.6
IV ≥ 4000	48.9	58.4	61.7	63.5	66.9	68.2	70.0	71.6	72.0	72.8	73.2	73.2	73.4	73.6	73.6	74.0
IV ≥ 3500	50.3	60.2	63.9	65.7	69.0	70.4	72.4	74.0	74.4	75.1	75.5	75.5	75.7	75.9	75.9	76.3
IV ≥ 3000	51.3	61.7	65.5	67.3	70.6	72.0	74.0	75.7	76.1	76.9	77.3	77.3	77.5	77.7	77.7	78.1
IV ≥ 2500	51.7	62.3	66.3	68.0	71.4	72.8	74.8	76.5	76.9	77.7	78.1	78.1	78.3	78.5	78.5	78.9
IV ≥ 2000	52.3	63.1	67.1	68.8	72.2	73.6	75.9	77.7	78.1	78.9	79.3	79.3	79.5	79.7	79.7	80.1
IV ≥ 1800	52.9	64.1	68.2	70.0	73.4	75.1	77.3	79.1	79.5	80.3	80.7	80.7	80.9	81.1	81.1	81.5
IV ≥ 1500	53.5	65.7	69.8	71.8	75.3	77.1	79.3	81.3	81.7	82.4	82.8	82.8	83.0	83.2	83.2	83.6
IV ≥ 1200	55.2	69.0	73.6	75.5	79.3	81.1	83.2	85.6	86.0	86.8	87.2	87.2	87.4	87.6	87.6	88.0
IV ≥ 1000	56.2	70.6	75.1	77.1	81.1	82.8	85.0	87.4	87.8	88.6	89.0	89.0	89.2	89.3	89.3	89.7
IV ≥ 900	56.2	70.6	75.1	77.1	81.1	82.8	85.0	87.4	87.8	88.6	89.0	89.0	89.2	89.3	89.3	89.7
IV ≥ 800	56.2	70.6	75.1	77.1	81.1	82.8	85.0	87.4	87.8	88.6	89.0	89.0	89.2	89.3	89.3	89.7
IV ≥ 700	56.2	70.6	75.1	77.1	81.1	82.8	85.0	87.4	87.8	88.6	89.0	89.0	89.2	89.3	89.3	89.7
IV ≥ 600	56.4	71.0	75.7	78.1	83.0	85.6	88.0	90.9	91.3	92.1	92.5	92.5	92.7	92.9	92.9	93.3
IV ≥ 500	56.4	71.0	75.7	78.1	83.2	85.8	88.4	92.3	92.7	93.5	93.9	93.9	94.1	94.3	94.3	94.7
IV ≥ 400	56.4	71.2	75.9	78.3	83.4	86.0	89.2	93.9	94.3	95.1	95.7	95.7	95.9	96.1	96.1	96.4
IV ≥ 300	56.4	71.2	75.9	78.3	83.4	86.4	89.5	94.9	95.5	96.4	97.4	97.4	97.6	97.8	97.8	98.2
IV ≥ 200	56.4	71.2	75.9	78.3	83.4	86.4	89.5	94.9	96.3	97.2	98.2	98.2	98.4	98.8	98.8	99.4
IV ≥ 100	56.4	71.2	75.9	78.3	83.4	86.4	89.5	94.9	96.4	97.6	98.6	98.6	98.8	99.2	99.2	100.0
IV ≥ 0	56.4	71.2	75.9	78.3	83.4	86.4	89.5	94.9	96.4	97.6	98.6	98.6	98.8	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 507

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75,80  
YEARS

USE WITH CAUTION  
 SEE FIRST PAGE

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	34.6	39.6	40.2	40.6	41.7	41.9	43.3	45.5	45.9	46.9	47.0	47.2	48.2	48.2	49.2	50.0
IV 18000	36.2	41.7	42.5	43.1	44.3	44.7	46.1	48.4	48.8	49.8	50.2	50.4	51.4	51.4	52.4	53.1
IV 16000	36.2	41.7	42.5	43.1	44.3	44.7	46.1	48.4	48.8	49.8	50.2	50.4	51.4	51.4	52.4	53.1
IV 14000	36.2	41.7	42.5	43.1	44.3	44.7	46.1	48.4	48.8	49.8	50.2	50.4	51.4	51.4	52.4	53.1
IV 12000	37.2	42.7	43.9	44.1	45.3	45.7	47.0	49.8	50.2	51.2	51.6	51.8	52.8	52.8	53.9	54.7
IV 10000	37.6	43.1	43.9	44.5	45.9	46.3	47.8	50.6	51.0	52.0	52.4	52.6	53.5	53.5	54.7	55.9
IV 9000	38.4	44.1	45.1	45.9	47.2	47.6	49.2	52.0	52.4	53.3	53.7	53.9	54.9	54.9	56.1	57.3
IV 8000	39.4	46.3	47.4	48.0	49.4	49.8	51.8	54.5	54.9	55.9	56.3	56.5	57.5	57.5	58.7	59.8
IV 7000	40.0	47.0	48.2	49.0	50.4	50.8	52.8	55.9	56.3	57.3	57.7	57.9	58.9	58.9	60.0	61.2
IV 6000	40.6	47.6	48.8	49.6	51.0	51.4	53.3	56.5	56.9	57.9	58.3	58.5	59.4	59.4	60.6	61.8
IV 5000	42.1	49.8	51.0	51.8	53.1	53.5	55.5	58.7	59.1	60.0	60.4	60.6	61.6	61.6	62.8	64.0
IV 4500	42.9	51.0	52.2	53.3	54.7	55.1	57.1	60.2	60.6	61.6	62.0	62.2	63.2	63.2	64.4	65.6
IV 4000	44.3	52.6	53.7	54.9	56.5	56.9	58.9	62.0	62.4	63.4	63.8	64.0	65.0	65.0	66.1	67.3
IV 3500	45.5	53.9	55.1	56.3	57.9	58.3	60.2	63.4	64.0	65.0	65.4	65.6	66.5	66.5	67.7	68.9
IV 3000	46.3	55.5	56.7	57.9	59.4	59.8	61.8	65.0	65.6	66.5	66.9	67.1	68.1	68.1	69.3	70.5
IV 2500	47.2	56.5	57.9	59.1	60.6	61.0	63.0	66.1	66.7	67.7	68.1	68.3	69.3	69.3	70.5	71.7
IV 2000	48.4	58.1	59.4	60.6	62.2	63.0	65.2	68.3	68.9	69.9	70.3	70.5	71.5	71.5	72.6	73.8
IV 1800	49.6	58.9	60.2	61.4	63.0	63.8	65.9	69.1	69.7	70.7	71.1	71.3	72.2	72.2	73.4	74.6
IV 1500	49.6	60.2	61.6	63.0	64.6	65.4	67.5	70.7	71.3	72.2	72.6	72.8	73.8	73.8	75.0	76.2
IV 1200	50.8	63.2	64.6	66.1	68.3	69.1	71.3	74.4	75.0	76.0	76.4	76.6	77.6	77.6	78.7	79.9
IV 1000	51.0	64.2	65.7	67.5	70.1	70.9	73.0	76.4	77.0	78.0	78.3	78.5	79.5	79.5	80.7	81.9
IV 900	51.8	65.0	66.9	68.9	71.5	72.2	74.4	78.0	78.5	79.5	79.9	80.1	81.1	81.1	82.3	83.5
IV 800	51.8	65.7	67.7	69.7	72.8	73.6	75.8	79.3	79.9	80.9	81.3	81.5	82.5	82.5	83.7	84.8
IV 700	51.8	65.7	67.7	69.7	72.8	74.0	76.4	80.1	80.7	81.7	82.1	82.3	83.3	83.3	84.4	85.6
IV 600	51.8	65.7	67.9	69.9	73.0	74.4	77.0	81.3	82.3	83.7	84.1	84.3	85.2	85.2	86.4	87.6
IV 500	51.8	65.7	68.1	70.1	73.6	75.2	77.8	82.9	84.1	85.4	85.8	86.0	87.0	87.0	88.2	89.4
IV 400	51.8	65.7	68.1	70.1	73.8	75.8	79.5	85.2	87.2	88.6	89.0	89.4	90.4	90.4	91.5	93.1
IV 300	51.8	65.7	68.1	70.1	73.8	76.0	79.9	85.6	87.8	89.2	89.8	90.2	91.1	91.1	93.1	94.7
IV 200	51.8	65.7	68.1	70.1	73.8	76.0	80.3	86.2	88.4	90.0	90.9	91.5	92.7	93.3	94.9	96.7
IV 100	51.8	65.7	68.1	70.1	73.8	76.0	80.3	86.2	88.6	90.2	91.1	91.7	93.1	93.7	95.3	97.2
IV 0	51.8	65.7	68.1	70.1	73.8	76.0	80.3	86.2	88.6	90.2	91.1	91.7	93.1	93.7	95.3	100.0

TOTAL NUMBER OF OBSERVATIONS 508



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

SEP  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	32.9	36.8	38.6	39.4	41.3	42.1	43.0	43.2	43.3	43.9	44.4	44.6	44.9	44.9	45.0	45.9
≥ 2000	34.9	39.4	41.7	42.8	44.8	45.7	46.6	47.0	47.1	47.8	48.4	48.6	48.9	48.9	49.1	50.3
≥ 1800	35.0	39.6	41.8	42.9	44.9	45.8	46.7	47.1	47.2	47.9	48.6	48.7	49.0	49.0	49.2	50.4
≥ 1600	35.0	39.6	41.8	42.9	44.9	45.8	46.7	47.1	47.2	47.9	48.6	48.7	49.0	49.0	49.2	50.4
≥ 1400	35.6	40.1	42.3	43.4	45.4	46.3	47.2	47.7	47.8	48.4	49.1	49.2	49.6	49.6	49.8	51.0
≥ 1200	36.1	40.9	43.1	44.2	46.2	47.1	48.0	48.6	48.7	49.3	50.2	50.3	50.7	50.7	50.9	52.1
≥ 1000	38.0	43.3	45.7	46.9	49.0	50.0	51.0	51.6	51.7	52.3	53.0	53.2	53.3	53.8	53.8	55.6
≥ 800	38.2	43.9	46.2	47.4	49.6	50.6	51.6	52.2	52.3	53.0	53.9	54.0	54.4	54.4	54.7	56.2
≥ 700	39.2	45.9	48.2	49.6	52.0	53.0	54.1	54.9	55.0	55.7	56.7	56.8	57.2	57.2	57.6	59.1
≥ 600	40.2	46.9	49.3	50.7	53.2	54.2	55.3	56.1	56.3	57.0	58.0	58.1	58.6	58.6	58.9	60.4
≥ 500	41.4	48.2	50.7	52.0	54.7	55.8	57.0	57.8	58.0	58.7	59.7	59.8	60.2	60.2	60.6	62.1
≥ 450	42.4	49.3	51.8	53.1	55.8	56.9	58.1	58.9	59.1	59.8	60.8	60.9	61.3	61.3	61.7	63.2
≥ 400	43.4	50.3	52.9	54.2	56.9	58.0	59.2	60.0	60.2	60.9	61.9	62.0	62.4	62.4	62.8	64.3
≥ 350	44.2	51.6	54.1	55.4	58.2	59.6	60.8	61.7	61.9	62.6	63.6	63.7	64.1	64.1	64.4	66.0
≥ 300	44.7	52.0	54.7	56.0	58.9	60.3	61.6	62.6	62.8	63.4	64.6	64.7	65.1	65.1	65.4	67.0
≥ 250	45.0	53.0	55.8	57.4	60.7	62.1	63.3	64.3	64.6	65.2	66.3	66.4	66.9	66.9	67.2	68.8
≥ 200	45.7	54.2	57.1	58.8	62.2	63.8	65.3	66.4	66.7	67.4	68.6	68.7	69.1	69.1	69.4	71.0
≥ 180	45.9	54.4	57.3	59.1	62.6	64.1	65.7	66.8	67.0	67.8	68.9	69.0	69.4	69.4	69.8	71.3
≥ 150	46.9	56.2	59.2	61.1	64.9	66.6	68.1	69.2	69.4	70.2	71.3	71.4	71.9	71.9	72.2	73.8
≥ 120	47.8	58.1	61.1	63.4	67.4	69.1	70.7	71.8	72.0	72.8	73.9	74.0	74.4	74.4	74.8	76.3
≥ 100	48.2	59.8	62.8	65.8	70.0	71.8	73.6	74.8	75.0	75.8	76.9	77.0	77.4	77.4	77.8	79.3
≥ 90	48.4	60.2	63.3	66.3	70.6	72.6	74.4	75.7	76.0	76.9	78.0	78.1	78.6	78.6	78.9	80.4
≥ 80	48.4	60.2	63.6	66.7	71.0	73.2	75.6	76.9	77.2	78.1	79.3	79.4	79.9	79.9	80.2	81.8
≥ 70	48.7	60.8	64.1	67.4	72.0	74.8	77.3	78.8	79.3	80.4	81.7	81.8	82.2	82.2	82.6	84.1
≥ 60	48.7	60.9	64.2	67.6	72.2	75.3	78.2	80.0	80.7	81.8	83.0	83.1	83.6	83.6	83.9	85.4
≥ 50	48.7	60.9	64.2	67.9	72.8	76.0	78.9	81.1	81.9	83.0	84.3	84.4	85.0	85.0	85.4	87.0
≥ 40	48.7	61.0	64.3	68.0	73.2	76.7	79.7	82.1	83.2	84.6	86.4	86.6	87.2	87.2	87.7	89.6
≥ 30	48.7	61.0	64.3	68.1	73.4	77.2	80.7	83.7	85.1	86.6	88.8	88.9	89.6	89.7	90.3	92.6
≥ 20	48.7	61.0	64.3	68.1	73.4	77.2	80.9	83.9	85.4	87.1	89.7	89.9	90.7	91.1	92.6	95.9
≥ 100	48.7	61.0	64.3	68.1	73.4	77.2	80.9	83.9	85.4	87.1	89.7	89.9	90.7	91.2	93.1	97.7
≥ 0	48.7	61.0	64.3	68.1	73.4	77.2	80.9	83.9	85.4	87.1	89.7	89.9	90.7	91.2	93.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 APO WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

SEP  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1980-1100  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	47.3	46.1	45.2	49.9	50.6	50.9	51.1	51.2	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3
IV 18000 16000	43.7	50.3	52.8	54.7	55.6	55.9	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3
IV 14000 12000	43.8	50.4	52.9	54.8	55.7	56.0	56.2	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4
IV 10000 9000	45.7	52.8	55.2	57.3	58.4	58.8	59.1	59.3	59.3	59.6	59.7	59.7	59.7	59.7	59.7	59.7
IV 8000 7000	46.4	53.9	56.3	58.4	59.6	59.9	60.2	60.4	60.4	60.7	60.8	60.8	60.8	60.8	60.8	60.8
IV 6000 5000	48.0	56.2	58.7	60.8	62.0	62.3	62.7	62.9	62.9	63.1	63.2	63.2	63.2	63.2	63.2	63.2
IV 4500 4000	49.3	57.7	60.1	62.2	63.4	63.8	64.1	64.3	64.3	64.6	64.7	64.7	64.7	64.7	64.7	64.7
IV 3500 3000	50.0	58.6	61.1	63.2	64.4	64.8	65.1	65.3	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7
IV 2500 2000	51.4	60.4	63.0	65.2	66.4	66.8	67.1	67.3	67.3	67.6	67.7	67.7	67.7	67.7	67.7	67.7
IV 1800 1500	52.2	61.4	64.1	66.2	67.7	68.0	68.3	68.6	68.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9
IV 1200 1000	54.1	63.6	66.3	68.7	70.2	70.6	70.9	71.1	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4
IV 900 800	55.3	65.1	68.1	70.4	72.0	72.4	72.8	73.0	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.3
IV 700 600	57.0	67.3	70.7	73.1	74.8	75.2	75.6	75.8	75.8	76.0	76.1	76.1	76.1	76.1	76.1	76.1
IV 500 400	58.0	68.7	72.0	74.6	76.6	77.0	77.3	77.6	77.6	77.8	77.9	77.9	77.9	77.9	77.9	77.9
IV 300 200	60.2	71.8	75.4	78.1	80.2	80.7	81.1	81.3	81.3	81.6	81.7	81.7	81.7	81.7	81.7	81.7
IV 100 0	60.8	72.6	76.2	78.9	81.1	81.6	82.0	82.3	82.3	82.6	82.7	82.7	82.7	82.7	82.7	82.7
	62.0	74.1	78.0	80.9	83.2	83.8	84.2	84.6	84.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9
	63.0	75.9	80.1	83.4	85.9	86.4	87.0	87.3	87.3	87.6	87.7	87.7	87.7	87.7	87.7	87.7
	63.8	77.3	81.7	85.7	88.2	88.9	89.6	89.9	89.9	90.1	90.2	90.2	90.2	90.2	90.2	90.2
	63.8	77.7	82.0	86.4	89.0	89.8	90.4	90.8	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1
	63.8	78.1	82.8	87.3	89.9	90.7	91.6	92.0	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3
	63.8	78.1	83.0	87.6	90.8	91.9	93.0	93.9	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3
	63.8	78.3	83.2	87.9	91.3	92.4	93.7	94.8	94.8	95.1	95.2	95.2	95.2	95.2	95.2	95.2
	63.8	78.3	83.3	88.1	91.9	93.0	94.3	95.8	95.9	96.3	96.4	96.4	96.4	96.4	96.4	96.4
	63.8	78.3	83.3	88.2	92.2	93.4	95.0	96.8	96.9	97.4	97.6	97.6	97.6	97.6	97.6	97.6
	63.8	78.3	83.3	88.2	92.4	93.8	95.4	97.4	97.7	98.2	98.3	98.3	98.4	98.6	98.6	98.7
	63.8	78.3	83.3	88.2	92.4	93.8	95.6	97.6	97.8	98.3	98.4	98.4	98.8	99.2	99.8	99.8
	63.8	78.3	83.3	88.2	92.4	93.8	95.6	97.6	97.8	98.3	98.4	98.8	99.2	99.9	99.9	100.0
	63.8	78.3	83.3	88.2	92.4	93.8	95.6	97.6	97.8	98.3	98.4	98.8	99.2	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	43.1	48.6	49.0	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IN 18000 IN 16000	48.3	54.6	55.0	56.3	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IN 14000 IN 12000	48.4	54.7	55.1	56.4	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
IN 10000 IN 9000	50.3	57.1	57.7	59.0	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IN 8000 IN 7000	51.0	58.0	58.8	60.1	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IN 6000 IN 5000	53.3	61.2	62.0	63.3	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IN 4500 IN 4000	54.9	63.2	64.0	65.4	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IN 3500 IN 3000	55.8	64.3	65.1	66.6	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IN 2500 IN 2000	57.4	66.6	67.3	68.8	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IN 1800 IN 1500	59.8	69.1	69.9	71.3	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IN 1200 IN 1000	63.1	73.2	74.0	75.7	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IN 900 IN 800	66.3	76.9	77.7	79.3	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IN 700 IN 600	68.6	79.8	80.7	82.4	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IN 500 IN 400	69.8	81.7	82.7	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IN 300 IN 200	71.4	84.6	85.8	88.3	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IN 100 IN 0	71.7	85.1	86.3	89.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
	72.4	86.1	87.4	90.4	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
	72.7	86.6	88.4	91.7	93.9	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
	73.1	87.8	90.0	93.4	95.7	96.0	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
	73.1	87.8	90.0	93.4	95.7	96.0	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
	73.1	87.9	90.2	94.2	96.8	97.2	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
	73.1	88.0	90.3	94.6	97.3	97.8	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
	73.1	88.0	90.4	94.7	97.6	98.1	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
	73.1	88.0	90.4	94.7	97.6	98.1	98.9	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
	73.1	88.0	90.4	94.7	97.7	98.3	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	73.1	88.0	90.4	94.7	97.7	98.3	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	73.1	88.0	90.4	94.7	97.7	98.3	99.2	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14713

WESTOVER AFB MA

69-70,73-80

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.3	50.1	50.8	51.2	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 20000	54.6	58.0	58.8	59.4	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 18000	54.6	58.0	58.8	59.4	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 16000	54.6	58.0	58.8	59.4	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 14000	55.1	58.6	59.3	60.0	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 12000	55.8	59.7	60.4	61.1	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	57.0	61.9	62.7	63.3	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 9000	57.7	62.8	63.7	64.4	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 8000	60.2	65.9	67.0	67.9	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 7000	61.0	67.2	68.4	69.3	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 6000	62.9	69.3	70.6	71.4	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 5000	65.6	72.9	74.1	75.0	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4500	66.8	74.2	75.7	76.6	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4000	69.0	77.7	79.6	80.6	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3500	70.8	79.4	81.3	82.4	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 3000	72.3	82.0	84.1	85.2	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 2500	74.4	84.8	87.0	88.1	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 2000	74.9	85.6	87.9	89.1	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 1800	75.0	86.0	88.3	89.7	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 1500	75.1	86.1	88.7	90.7	92.8	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1200	75.6	86.9	89.7	92.3	95.2	95.8	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1000	75.8	87.1	90.2	93.0	96.2	96.9	97.0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	75.8	87.1	90.2	93.2	96.4	97.1	97.3	97.4	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	75.8	87.4	90.6	93.7	97.2	97.9	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	75.8	87.4	90.6	93.7	97.2	98.0	98.3	98.6	98.6	98.9	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	75.8	87.4	90.6	93.7	97.2	98.1	98.6	99.0	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4
≥ 500	75.8	87.4	90.6	93.7	97.2	98.1	98.7	99.1	99.2	99.4	99.4	99.6	99.6	99.7	99.7	99.7
≥ 400	75.8	87.4	90.6	93.7	97.2	98.1	98.7	99.1	99.6	99.8	99.8	99.9	99.9	100.0	100.0	100.0
≥ 300	75.8	87.4	90.6	93.7	97.2	98.1	98.7	99.1	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0
≥ 200	75.8	87.4	90.6	93.7	97.2	98.1	98.7	99.1	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0
≥ 100	75.8	87.4	90.6	93.7	97.2	98.1	98.7	99.1	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0
≥ 0	75.8	87.4	90.6	93.7	97.2	98.1	98.7	99.1	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

SEP  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1½	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	46.4	51.2	52.3	52.9	53.7	54.2	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IV 20000	50.7	56.2	57.6	58.2	59.0	59.6	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 18000	50.9	56.4	57.8	58.4	59.2	59.8	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 16000	50.9	56.4	57.8	58.4	59.2	59.8	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 14000	51.2	56.8	58.1	58.8	59.6	60.1	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 12000	51.8	57.8	59.1	59.8	60.6	61.2	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 10000	52.6	59.3	60.7	61.3	62.1	62.8	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 9000	53.9	60.9	62.2	62.9	63.7	64.3	64.7	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 8000	57.6	66.0	67.6	68.3	69.3	70.0	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 7000	58.2	67.0	68.8	69.7	70.7	71.3	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 6000	59.1	68.4	70.2	71.2	72.3	73.0	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 5000	62.0	71.7	73.6	74.7	75.8	76.4	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 4500	63.0	73.0	74.9	76.0	77.2	77.9	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
IV 4000	65.1	75.9	78.0	79.3	80.8	81.4	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 3500	66.6	77.4	79.6	81.0	82.7	83.3	83.8	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 3000	67.3	78.7	81.0	82.7	84.4	85.2	85.7	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 2500	68.1	79.9	82.3	84.2	86.2	87.0	87.4	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 2000	69.9	82.6	85.1	87.0	89.1	90.0	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 1800	69.9	82.8	85.3	87.2	89.3	90.4	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 1500	70.3	83.7	86.2	88.2	90.7	91.9	92.6	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1200	70.3	84.4	87.1	89.8	92.6	94.0	94.9	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1000	70.3	84.7	87.4	90.4	93.6	95.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 900	70.3	84.8	87.7	90.7	93.8	95.3	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 800	70.3	85.3	88.3	91.4	94.6	96.1	97.2	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 700	70.3	85.3	88.4	91.6	94.7	96.2	97.3	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 600	70.3	85.3	88.4	91.6	94.8	96.3	97.8	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 500	70.3	85.3	88.4	91.6	95.1	96.7	98.2	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	70.3	85.3	88.4	91.6	95.3	96.9	98.6	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	70.3	85.3	88.4	91.6	95.3	96.9	98.6	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	70.3	85.3	88.4	91.6	95.3	96.9	98.6	99.4	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 100	70.3	85.3	88.4	91.6	95.3	96.9	98.6	99.4	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	70.3	85.3	88.4	91.6	95.3	96.9	98.6	99.4	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703 WESTOVER AFB MA  
STATION STATION NAME

69-70,73-80  
YEARS

USE WITH CAUTION  
 SEE FIRST PAGE

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0	
NO CEILING	42.6	49.7	51.3	52.0	53.1	54.2	54.6	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.2	55.2	55.2
≥ 20000	44.7	51.9	53.8	54.6	56.0	57.1	57.5	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.2	58.2	58.2
IVN 18000	44.2	52.0	53.9	54.7	56.1	57.2	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3
≥ 6000	44.2	52.0	53.9	54.7	56.1	57.2	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3
IVN 14000	44.2	52.0	53.9	54.7	56.1	57.2	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3
≥ 2000	44.2	52.0	53.9	54.7	56.1	57.2	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3
IVN 10000	46.7	55.9	57.4	58.2	59.7	60.8	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9	61.9
≥ 9000	46.9	55.7	57.5	58.3	59.9	61.0	61.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.1	62.1	62.1
IVN 8000	48.6	58.0	59.9	60.8	62.4	63.5	64.0	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6	64.6	64.6
≥ 7000	50.3	60.4	62.6	63.8	65.6	66.8	67.5	67.9	67.9	67.9	67.9	67.9	67.9	67.9	68.1	68.1	68.1
IVN 6000	51.6	61.6	63.8	65.1	66.8	68.1	68.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.3
≥ 5000	53.5	64.5	66.7	68.1	70.1	71.4	72.0	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6
IVN 4500	54.9	66.2	68.4	69.8	71.9	73.3	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.7	74.7	74.7
≥ 4000	56.9	68.7	70.9	72.5	74.7	76.3	77.0	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.7	77.7	77.7
IVN 3500	59.1	70.9	73.3	74.8	77.0	78.6	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0
≥ 3000	60.5	72.5	74.8	76.4	78.6	80.3	81.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9
IVN 2500	61.2	73.4	75.8	77.4	79.7	81.4	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0
≥ 2000	61.9	75.5	77.8	79.4	81.8	83.6	84.6	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2
IVN 1800	62.3	76.1	78.5	80.0	82.4	84.3	85.2	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8
≥ 1500	63.4	77.2	79.9	81.6	84.6	86.5	87.6	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.4	88.4	88.4
IVN 1200	64.2	79.2	81.9	84.3	87.6	89.9	91.4	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1
≥ 1000	64.5	80.0	83.0	85.4	88.8	91.4	92.9	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7	93.7	93.7
IVN 900	64.6	80.5	83.6	86.3	89.9	92.6	94.2	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1	95.1	95.1
≥ 800	64.6	80.5	83.6	86.3	90.1	93.1	94.8	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.8	95.8	95.8
IVN 700	64.6	80.5	83.6	86.3	90.3	93.6	95.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5	96.5
≥ 600	64.6	80.5	83.6	86.3	90.3	93.7	96.1	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.2	97.2	97.2
IVN 500	64.6	80.5	83.6	86.3	90.4	93.9	96.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.3	98.3	98.3
≥ 400	64.6	80.5	83.6	86.3	90.4	94.0	97.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2
IVN 300	64.6	80.5	83.6	86.3	90.4	94.0	97.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8
≥ 200	64.6	80.5	83.6	86.3	90.4	94.0	97.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
IVN 100	64.6	80.5	83.6	86.3	90.4	94.0	97.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0
≥ 0	64.6	80.5	83.6	86.3	90.4	94.0	97.2	99.7	99.7	99.8	99.8	99.8	99.8	99.8	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 636

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14783  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

SEP  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	41.1	45.9	47.2	48.1	49.1	49.6	50.1	50.4	50.5	50.7	50.9	50.9	51.1	51.1	51.2	51.4
IV 20000	44.7	50.2	51.7	52.8	53.8	54.4	54.9	55.3	55.4	55.6	55.8	55.9	56.0	56.0	56.2	56.4
IV 18000	44.8	50.3	51.8	52.9	53.9	54.4	55.0	55.4	55.5	55.7	55.9	55.9	56.1	56.1	56.2	56.5
IV 16000	44.8	50.3	51.8	52.9	53.9	54.5	55.0	55.4	55.5	55.7	55.9	56.0	56.1	56.1	56.3	56.5
IV 14000	45.0	50.6	52.0	53.1	54.2	54.8	55.3	55.7	55.8	56.0	56.2	56.3	56.4	56.4	56.5	56.8
IV 12000	45.6	51.3	52.8	53.9	55.0	55.6	56.1	56.6	56.7	56.9	57.1	57.2	57.3	57.4	57.5	57.8
IV 10000	47.0	53.3	54.8	56.0	57.2	57.7	58.3	58.8	58.9	59.2	59.4	59.4	59.6	59.6	59.7	60.1
IV 9000	47.7	54.2	55.9	57.0	58.2	58.8	59.4	59.9	60.0	60.3	60.5	60.5	60.7	60.7	60.8	61.2
IV 8000	49.7	57.1	58.9	60.1	61.5	62.1	62.7	63.2	63.3	63.6	63.8	63.8	64.0	64.0	64.2	64.5
IV 7000	50.8	58.6	60.5	61.8	63.2	63.8	64.4	65.0	65.1	65.4	65.6	65.7	65.8	65.9	66.0	66.4
IV 6000	51.7	59.7	61.6	62.9	64.3	64.9	65.6	66.2	66.3	66.6	66.8	66.9	67.0	67.1	67.2	67.6
IV 5000	53.5	62.1	64.0	65.4	66.9	67.5	68.1	68.8	68.9	69.1	69.4	69.4	69.6	69.6	69.7	70.1
IV 4500	54.7	63.6	65.5	66.9	68.4	69.1	69.8	70.4	70.5	70.8	71.0	71.0	71.2	71.2	71.4	71.7
IV 4000	56.7	66.1	68.2	69.7	71.4	72.0	72.7	73.4	73.5	73.7	74.0	74.0	74.2	74.2	74.3	74.7
IV 3500	58.4	68.0	70.2	71.7	73.5	74.2	74.9	75.5	75.6	75.9	76.2	76.2	76.3	76.4	76.5	76.9
IV 3000	59.6	69.8	72.1	73.7	75.5	76.3	77.0	77.7	77.9	78.1	78.4	78.4	78.6	78.6	78.8	79.1
IV 2500	67.6	71.2	73.6	75.5	77.4	78.2	78.9	79.6	79.7	80.0	80.3	80.3	80.5	80.5	80.6	81.0
IV 2000	61.8	73.2	75.7	77.6	79.7	80.6	81.5	82.2	82.3	82.6	82.8	82.9	83.0	83.1	83.2	83.6
IV 1800	62.1	73.7	76.3	78.2	80.4	81.4	82.2	83.0	83.1	83.4	83.6	83.6	83.8	83.8	84.0	84.3
IV 1500	62.9	74.9	77.6	79.7	82.2	83.2	84.1	84.9	85.0	85.3	85.5	85.6	85.7	85.8	85.9	86.3
IV 1200	63.6	76.4	79.3	82.0	84.9	86.0	87.0	87.9	88.0	88.3	88.5	88.6	88.7	88.8	88.9	89.3
IV 1000	64.0	77.4	80.5	83.4	86.6	87.8	88.8	89.8	89.9	90.2	90.4	90.5	90.6	90.7	90.8	91.2
IV 900	64.1	77.7	80.8	84.0	87.2	88.4	89.6	90.6	90.7	91.0	91.3	91.3	91.4	91.5	91.6	92.0
IV 800	64.1	78.0	81.3	84.5	87.9	89.2	90.5	91.6	91.7	92.0	92.3	92.3	92.5	92.5	92.7	93.0
IV 700	64.1	78.1	81.4	84.7	88.3	89.9	91.3	92.5	92.7	93.1	93.4	93.4	93.6	93.6	93.8	94.1
IV 600	64.1	78.1	81.5	84.8	88.5	90.2	91.9	93.2	93.5	93.9	94.2	94.2	94.4	94.4	94.6	94.9
IV 500	64.1	78.1	81.5	84.9	88.8	90.6	92.3	94.0	94.3	94.7	95.0	95.1	95.3	95.3	95.4	95.8
IV 400	64.1	78.2	81.6	85.0	89.1	90.8	92.8	94.8	95.3	95.8	96.2	96.2	96.5	96.5	96.7	97.1
IV 300	64.1	78.2	81.6	85.0	89.1	91.1	93.2	95.3	96.0	96.5	97.0	97.0	97.3	97.4	97.6	98.1
IV 200	64.1	78.2	81.6	85.0	89.1	91.1	93.3	95.4	96.1	96.7	97.3	97.5	97.8	98.0	98.4	99.1
IV 100	64.1	78.2	81.6	85.0	89.1	91.1	93.3	95.4	96.2	96.8	97.4	97.5	97.8	98.1	98.5	99.4
IV 0	64.1	78.2	81.6	85.0	89.1	91.1	93.3	95.4	96.2	96.8	97.4	97.5	97.8	98.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6151

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-75  
 YEARS

OCT  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	49.0	56.8	57.6	58.3	59.4	59.6	60.0	60.6	60.9	61.1	61.5	61.5	61.9	61.9	62.6	62.6
IV 20000	52.3	60.4	61.3	61.9	63.0	63.2	63.7	64.3	64.5	64.7	65.2	65.2	65.6	65.6	66.7	66.7
IV 18000	52.3	60.4	61.3	61.9	63.0	63.2	63.7	64.3	64.5	64.7	65.2	65.2	65.6	65.6	66.7	66.7
IV 16000	52.3	60.4	61.3	61.9	63.0	63.2	63.7	64.3	64.5	64.7	65.2	65.2	65.6	65.6	66.7	66.7
IV 14000	52.3	60.4	61.3	61.9	63.0	63.2	63.7	64.3	64.5	64.7	65.2	65.2	65.6	65.6	66.7	66.7
IV 12000	52.3	60.4	61.3	61.9	63.0	63.2	63.7	64.3	64.5	64.7	65.2	65.2	65.6	65.6	66.7	66.7
IV 10000	54.0	62.8	63.7	64.3	65.6	65.8	66.5	67.1	67.3	67.5	68.0	68.0	68.4	68.4	69.5	69.5
IV 9000	54.2	63.0	63.9	64.5	65.8	66.0	66.7	67.3	67.5	67.7	68.2	68.2	68.6	68.6	69.7	69.7
IV 8000	55.1	64.3	65.2	65.8	67.1	67.3	68.0	68.8	69.0	69.2	69.7	69.7	70.3	70.3	71.4	71.4
IV 7000	57.2	67.3	68.2	68.8	70.1	70.3	71.0	71.8	72.0	72.3	72.7	72.7	73.3	73.3	74.4	74.4
IV 6000	57.8	68.4	69.2	69.9	71.2	71.4	72.0	72.9	73.1	73.3	73.8	73.8	74.4	74.4	75.5	75.5
IV 5000	58.1	69.2	70.1	70.8	72.0	72.3	72.9	73.8	74.0	74.2	74.6	74.6	75.3	75.3	76.3	76.3
IV 4500	58.3	69.5	70.3	71.2	72.5	72.7	73.3	74.2	74.4	74.6	75.1	75.1	75.7	75.7	76.8	76.8
IV 4000	60.0	71.6	72.5	73.3	74.8	75.1	75.7	76.6	76.8	77.0	77.4	77.4	78.1	78.1	79.1	79.1
IV 3500	61.1	72.7	73.8	74.6	76.1	76.3	77.0	77.8	78.1	78.3	78.7	78.7	79.4	79.4	80.4	80.4
IV 3000	63.2	75.3	76.6	77.4	79.1	79.4	80.0	80.9	81.1	81.3	81.7	81.7	82.4	82.4	83.4	83.4
IV 2500	64.9	77.6	79.4	80.2	81.9	82.2	82.8	83.7	83.9	84.1	84.5	84.5	85.2	85.2	86.2	86.2
IV 2000	65.8	79.4	81.1	81.9	83.7	83.9	84.5	85.4	85.6	85.8	86.2	86.2	86.9	86.9	88.0	88.0
IV 1800	65.8	80.0	81.7	82.6	84.3	84.5	85.2	86.0	86.2	86.5	86.9	86.9	87.5	87.5	88.6	88.6
IV 1500	65.8	81.3	83.0	84.3	86.0	86.2	86.9	87.7	88.0	88.2	88.6	88.6	89.2	89.2	90.3	90.3
IV 1200	66.8	83.0	85.2	86.7	88.4	88.6	89.2	90.1	90.3	90.5	91.0	91.0	91.6	91.6	92.7	92.7
IV 1000	66.9	84.1	86.5	88.2	90.1	90.8	91.4	92.3	92.5	92.7	93.1	93.1	93.8	93.8	94.8	94.8
IV 900	66.9	84.3	86.7	88.4	90.3	91.0	91.6	92.5	92.7	92.9	93.3	93.3	94.0	94.0	95.1	95.1
IV 800	67.1	84.7	87.3	89.5	91.6	92.5	93.1	94.4	94.6	94.8	95.3	95.3	95.9	95.9	97.0	97.0
IV 700	67.1	84.7	87.3	89.7	91.8	92.7	93.3	94.8	95.3	95.5	95.9	95.9	96.6	96.6	97.6	97.6
IV 600	67.1	84.7	87.3	89.7	92.0	92.9	93.5	95.1	95.5	95.7	96.1	96.1	96.8	96.8	97.8	97.8
IV 500	67.1	84.7	87.3	89.7	92.7	93.5	94.2	95.9	96.1	96.3	97.0	97.0	97.6	97.6	98.7	98.7
IV 400	67.1	84.7	87.3	89.7	92.7	93.5	94.2	95.9	96.3	96.6	97.2	97.2	97.8	97.8	98.9	98.9
IV 300	67.1	84.7	87.3	89.7	92.7	93.5	94.2	96.1	96.6	96.8	97.4	97.4	98.1	98.1	99.1	99.1
IV 200	67.1	84.7	87.3	89.7	92.7	93.5	94.2	96.1	96.6	96.8	97.4	97.4	98.1	98.1	99.1	99.4
IV 100	67.1	84.7	87.3	89.7	92.7	93.5	94.2	96.1	96.6	96.8	97.4	97.4	98.1	98.1	99.1	100.0
IV 0	67.1	84.7	87.3	89.7	92.7	93.5	94.2	96.1	96.6	96.8	97.4	97.4	98.1	98.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 465



GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70, 73-75  
 YEARS

USE WITH CAUTION  
 SEE FIRST PAGE

OCT  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.5	52.5	53.8	54.2	55.1	55.3	55.7	57.0	57.0	57.4	57.4	57.6	58.1	58.1	58.7	59.6
≥ 20000	49.7	54.8	56.1	56.6	57.4	57.6	58.1	59.4	59.4	59.8	59.8	60.0	60.4	60.4	61.1	61.9
IV 18000	49.7	54.8	56.1	56.6	57.4	57.6	58.1	59.4	59.4	59.8	59.8	60.0	60.4	60.4	61.1	61.9
IV 16000	49.7	54.8	56.1	56.6	57.4	57.6	58.1	59.4	59.4	59.8	59.8	60.0	60.4	60.4	61.1	61.9
IV 14000	49.7	55.1	56.3	56.8	57.6	57.8	58.3	59.6	59.6	60.0	60.0	60.2	60.6	60.6	61.3	62.2
IV 12000	49.7	55.1	56.3	56.8	57.6	57.8	58.3	59.6	59.6	60.0	60.0	60.2	60.6	60.6	61.3	62.2
IV 10000	51.0	56.3	57.6	58.1	58.9	59.1	60.2	61.5	61.5	61.9	61.9	62.2	62.6	62.6	63.2	64.1
IV 9000	51.0	56.3	57.6	58.1	58.9	59.1	60.2	61.5	61.5	61.9	61.9	62.2	62.6	62.6	63.2	64.1
IV 8000	52.3	58.5	60.0	60.4	61.3	61.5	62.6	63.9	63.9	64.3	64.3	64.5	64.9	64.9	65.6	66.5
IV 7000	54.1	60.2	61.7	62.2	63.2	63.4	64.5	65.8	65.8	66.2	66.2	66.5	66.9	66.9	67.5	68.4
IV 6000	55.3	62.2	63.7	64.1	65.2	65.4	66.5	67.7	67.7	68.2	68.2	68.4	68.8	68.8	69.5	70.3
IV 5000	55.3	62.2	63.7	64.1	65.2	65.4	66.5	67.7	67.7	68.2	68.2	68.4	68.8	68.8	69.5	70.3
IV 4500	55.9	63.0	64.9	65.6	66.7	66.9	68.0	69.2	69.2	69.7	69.7	69.9	70.3	70.3	71.0	71.8
IV 4000	55.9	63.0	64.9	65.6	66.7	66.9	68.2	69.5	69.5	69.9	69.9	70.1	70.5	70.5	71.2	72.0
IV 3500	56.1	64.1	66.0	66.7	67.7	68.0	69.2	70.5	70.5	71.0	71.0	71.2	71.6	71.6	72.3	73.1
IV 3000	57.2	65.6	67.5	68.2	69.2	69.5	70.8	72.0	72.0	72.5	72.5	72.7	73.1	73.1	73.8	74.6
IV 2500	58.7	68.8	70.8	71.6	72.7	72.9	74.2	75.5	75.5	75.9	75.9	76.1	76.6	76.6	77.2	78.1
IV 2000	59.8	70.3	72.7	73.5	74.8	75.1	76.3	77.6	77.6	78.1	78.1	78.3	78.7	78.7	79.4	80.2
IV 1800	60.0	70.5	72.9	73.8	75.1	75.3	76.6	77.8	77.8	78.3	78.3	78.5	78.9	78.9	79.6	80.4
IV 1500	60.4	72.7	75.1	75.9	77.2	77.4	78.7	80.0	80.0	80.4	80.4	80.6	81.1	81.1	81.7	82.6
IV 1200	61.5	75.5	78.3	80.0	81.7	81.9	84.1	85.4	85.4	85.8	85.8	86.0	86.5	86.5	87.1	88.0
IV 1000	61.9	76.8	79.8	81.9	83.7	84.1	86.5	87.7	87.7	88.2	88.2	88.4	88.8	88.8	89.7	90.5
IV 900	61.9	76.8	79.8	81.9	83.7	84.1	86.5	87.7	87.7	88.2	88.2	88.4	88.8	88.8	89.7	90.5
IV 800	62.2	77.0	80.0	82.2	83.9	84.9	87.7	89.0	89.2	89.7	89.7	89.9	90.3	90.3	91.2	92.3
IV 700	62.2	77.0	80.0	82.2	83.9	84.9	87.7	89.0	89.2	89.7	89.7	89.9	90.1	90.5	91.4	92.7
IV 600	62.2	77.0	80.0	82.4	84.1	85.2	88.0	89.2	89.7	90.1	90.3	90.5	91.0	91.0	91.8	93.1
IV 500	62.2	77.2	80.4	82.6	84.3	85.8	88.6	90.1	90.5	91.0	91.2	91.4	91.8	91.8	92.7	94.0
IV 400	62.2	77.2	80.4	82.6	84.3	85.8	88.8	90.3	91.0	91.6	91.8	92.0	92.5	92.5	93.3	94.6
IV 300	62.2	77.2	80.4	82.6	84.3	85.8	89.2	91.0	91.6	92.3	92.5	92.7	93.8	93.8	94.6	95.9
IV 200	62.2	77.2	80.6	82.8	84.5	86.0	89.5	91.4	92.3	92.9	93.1	93.3	94.4	94.4	95.3	97.8
IV 100	62.2	77.2	80.6	82.8	84.5	86.0	89.5	91.6	92.5	93.1	93.3	93.5	94.8	94.8	95.7	98.5
IV 0	62.2	77.2	80.6	82.8	84.5	86.0	89.5	91.6	92.5	93.1	93.3	93.5	94.8	94.8	95.7	100.0

TOTAL NUMBER OF OBSERVATIONS 465

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

OCT  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	36.5	43.1	40.8	41.3	42.2	42.4	42.6	43.2	43.3	43.4	43.5	43.5	43.6	43.8	44.2	45.2
≥2000	39.6	43.7	44.4	45.0	46.1	46.3	46.6	47.1	47.2	47.4	47.7	47.7	47.8	48.0	48.4	49.6
IV 18000	39.6	43.9	44.6	45.2	46.3	46.6	46.8	47.3	47.4	47.7	47.9	47.9	48.0	48.2	48.6	49.8
IV 16000	39.6	43.9	44.6	45.2	46.3	46.6	46.8	47.3	47.4	47.7	47.9	47.9	48.0	48.2	48.6	49.8
IV 14000	40.0	44.4	45.0	45.7	46.8	47.0	47.2	47.8	47.9	48.1	48.3	48.3	48.4	48.6	49.1	50.3
IV 12000	41.2	45.8	46.4	47.1	48.2	48.4	48.6	49.2	49.3	49.5	49.7	49.7	49.8	50.1	50.5	51.7
IV 10000	43.1	48.4	49.2	50.1	51.3	51.7	52.0	52.6	52.7	52.9	53.1	53.1	53.2	53.4	53.9	55.1
IV 9000	43.4	49.0	49.7	50.6	51.8	52.2	52.6	53.1	53.2	53.4	53.7	53.7	53.8	54.0	54.4	55.6
IV 8000	44.7	50.8	51.7	52.7	54.0	54.4	54.8	55.6	55.7	56.1	56.3	56.3	56.4	56.6	57.0	58.3
IV 7000	46.2	52.8	53.8	54.8	56.2	56.8	57.3	58.1	58.3	58.6	58.8	58.8	58.9	59.1	59.6	60.9
IV 6000	47.7	54.0	55.1	56.1	57.5	58.1	58.6	59.5	59.6	59.9	60.1	60.1	60.2	60.4	60.9	62.2
IV 5000	48.6	56.0	57.2	58.1	59.7	60.3	60.9	61.7	61.9	62.2	62.4	62.4	62.5	62.7	63.2	64.5
IV 4500	49.0	56.3	57.5	58.5	60.0	60.7	61.2	62.1	62.2	62.5	62.7	62.7	62.8	63.1	63.5	64.8
IV 4000	50.3	57.9	59.1	60.1	61.9	62.5	63.1	63.9	64.0	64.4	64.6	64.6	64.7	64.9	65.4	66.8
IV 3500	51.4	59.6	60.8	61.7	63.5	64.2	64.7	65.6	65.7	66.0	66.2	66.2	66.3	66.6	67.0	68.4
IV 3000	53.3	62.0	63.2	64.2	66.0	66.7	67.3	68.2	68.4	68.7	69.0	69.0	69.1	69.3	69.7	71.1
IV 2500	55.2	65.0	66.4	67.5	69.4	70.3	71.4	72.2	72.5	72.8	73.0	73.0	73.1	73.3	73.8	75.2
IV 2000	56.9	67.3	68.9	69.9	71.8	72.7	74.0	74.9	75.1	75.4	75.6	75.6	75.7	76.0	76.4	77.8
IV 1800	57.5	68.5	70.2	71.3	73.1	74.0	75.3	76.2	76.4	76.8	77.0	77.0	77.2	77.4	77.8	79.2
IV 1500	57.8	69.2	71.3	72.5	74.4	75.5	77.0	78.0	78.3	78.7	78.9	78.9	79.0	79.2	79.7	81.1
IV 1200	58.3	70.3	72.9	74.5	76.6	78.0	79.6	80.5	80.8	81.3	81.5	81.5	81.6	81.9	82.3	83.7
IV 1000	58.6	71.3	74.2	76.1	78.4	80.0	81.9	82.8	83.2	83.7	83.9	83.9	84.0	84.3	84.7	86.1
IV 900	58.7	71.6	74.6	76.5	78.9	80.9	82.7	83.8	84.2	84.7	84.9	84.9	85.0	85.2	85.7	87.1
IV 800	58.8	71.9	75.2	77.3	80.0	82.1	84.0	85.1	85.6	86.1	86.4	86.4	86.6	86.8	87.3	88.9
IV 700	58.8	71.9	75.4	77.5	80.4	82.7	84.8	86.1	86.6	87.2	87.5	87.5	87.7	87.9	88.4	90.1
IV 600	58.8	72.0	75.7	78.4	81.6	84.0	86.3	87.7	88.3	89.0	89.3	89.3	89.4	89.6	90.2	91.8
IV 500	58.8	72.0	75.7	78.4	81.9	84.4	86.9	88.4	89.1	89.7	90.1	90.1	90.2	90.4	90.9	92.6
IV 400	58.8	72.0	75.7	78.4	82.0	84.7	87.2	88.7	89.6	90.5	90.9	90.9	91.1	91.4	91.9	93.7
IV 300	58.8	72.0	75.7	78.4	82.0	84.7	87.3	89.4	90.3	91.1	91.6	91.7	92.1	92.8	93.3	95.3
IV 200	58.8	72.0	75.7	78.4	82.0	84.7	87.3	89.5	90.5	91.5	91.9	92.0	92.7	93.4	94.1	96.7
IV 100	58.8	72.0	75.7	78.4	82.0	84.7	87.3	89.5	90.5	91.6	92.0	92.2	92.9	93.7	94.4	98.3
IV 0	58.8	72.0	75.7	78.4	82.0	84.7	87.3	89.5	90.5	91.6	92.0	92.2	93.0	93.8	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS 915

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1473

WESTOVER AFB MA

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

5900-1100  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	38.5	42.9	44.1	45.1	45.6	45.8	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 20000	41.9	46.7	48.0	49.0	49.8	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.6	50.6	50.8
IV 18000	41.9	46.7	48.0	49.0	49.8	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.6	50.6	50.8
IV 16000	41.9	46.7	48.0	49.0	49.8	50.1	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.6	50.6	50.8
IV 14000	42.3	47.0	48.3	49.4	50.1	50.4	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.1
IV 12000	43.9	48.6	49.9	51.1	51.8	52.2	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.8
IV 10000	46.2	51.3	52.8	54.0	54.7	55.1	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.7
IV 9000	47.3	52.7	54.2	55.4	56.1	56.5	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.1
IV 8000	49.4	55.6	57.2	58.4	59.1	59.5	59.8	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.1
IV 7000	50.6	57.1	58.7	59.9	60.8	61.1	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.9
IV 6000	51.9	58.4	60.1	61.5	62.4	62.7	63.0	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.5	63.5
IV 5000	52.9	59.8	61.5	62.9	63.8	64.1	64.4	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.9	64.9
IV 4500	54.1	61.0	62.7	64.1	64.9	65.3	65.6	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.1	66.1
IV 4000	55.8	62.9	64.6	66.0	66.9	67.2	67.5	67.8	67.8	67.8	67.8	67.8	68.0	68.0	68.1	68.1
IV 3500	58.4	66.8	68.5	70.0	71.0	71.3	71.6	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.2	72.2
IV 3000	60.6	69.6	71.6	73.2	74.3	74.6	74.9	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.5	75.5
IV 2500	62.6	72.3	74.3	75.9	77.2	77.5	77.8	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.4	78.4
IV 2000	64.7	74.9	77.0	78.6	80.0	80.5	80.9	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.4	81.4
IV 1800	65.5	76.0	78.1	79.7	81.1	81.6	82.0	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.6	82.6
IV 1500	66.1	77.6	80.0	81.8	83.4	84.2	84.6	84.9	84.9	84.9	84.9	84.9	85.1	85.1	85.2	85.2
IV 1200	66.7	80.0	82.6	85.1	86.7	87.5	88.0	88.3	88.4	88.4	88.4	88.4	88.5	88.5	88.6	88.6
IV 1000	66.7	80.8	83.4	86.2	88.0	89.0	89.5	89.9	90.0	90.1	90.1	90.1	90.2	90.2	90.3	90.3
IV 900	66.7	80.8	83.7	86.6	88.4	89.6	90.0	90.4	90.5	90.6	90.6	90.6	90.8	90.8	90.9	90.9
IV 800	66.7	81.2	84.5	87.5	89.7	91.0	91.4	91.9	92.0	92.2	92.2	92.2	92.3	92.3	92.4	92.4
IV 700	66.7	81.2	84.8	88.0	90.3	91.9	92.5	93.0	93.3	93.4	93.4	93.4	93.5	93.5	93.7	93.7
IV 600	66.9	81.7	85.4	88.8	91.6	93.2	93.8	94.3	94.6	94.7	94.7	94.7	94.8	94.8	95.1	95.1
IV 500	66.9	81.7	85.5	88.9	92.4	94.2	94.8	95.5	95.8	95.9	95.9	95.9	96.0	96.0	96.2	96.2
IV 400	66.9	81.7	85.5	88.9	92.7	95.2	95.8	96.8	97.2	97.4	97.5	97.5	97.6	97.7	98.0	98.0
IV 300	66.9	81.7	85.5	88.9	92.7	95.2	95.9	97.2	97.6	98.0	98.2	98.2	98.4	98.6	98.9	98.9
IV 200	66.9	81.7	85.5	88.9	92.7	95.2	95.9	97.2	97.6	98.0	98.2	98.2	98.4	98.7	99.2	99.5
IV 100	66.9	81.7	85.5	88.9	92.7	95.2	95.9	97.2	97.6	98.0	98.2	98.2	98.4	98.7	99.2	100.0
IV 0	66.9	81.7	85.5	88.9	92.7	95.2	95.9	97.2	97.6	98.0	98.2	98.2	98.4	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14723  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

OCT  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	44.7	48.4	48.7	48.9	48.9	48.9	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 20000	48.0	52.3	52.8	53.1	53.2	53.2	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 18000	48.0	52.3	52.8	53.1	53.2	53.2	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 16000	48.0	52.3	52.8	53.1	53.2	53.2	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 14000	48.4	52.7	53.2	53.5	53.7	53.7	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
IV 12000	49.5	53.9	54.4	54.7	54.8	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
IV 10000	52.2	56.9	57.4	57.7	57.8	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
IV 9000	52.8	57.5	58.1	58.4	58.5	58.5	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 8000	55.8	60.9	61.5	62.0	62.2	62.2	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
IV 7000	57.2	62.7	63.3	63.9	64.0	64.0	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 6000	59.1	64.7	65.3	66.2	66.3	66.3	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 5000	60.5	66.2	67.2	67.8	68.0	68.0	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 4500	61.4	67.2	68.2	68.8	68.9	68.9	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 4000	64.8	70.8	71.9	72.6	72.7	72.8	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 3500	69.6	75.5	76.7	77.4	77.5	77.6	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 3000	72.8	79.1	80.3	81.2	81.4	81.5	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2500	75.1	81.8	83.1	84.1	84.3	84.4	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 2000	76.2	83.9	85.4	86.5	86.8	87.1	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
IV 1800	76.9	84.6	86.1	87.3	87.6	88.0	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1500	77.7	85.8	87.4	88.8	89.1	89.6	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 1200	78.3	87.2	89.8	91.3	92.0	92.6	93.0	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1000	78.3	88.3	90.9	92.7	93.8	94.3	94.7	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 900	78.3	88.5	91.4	93.2	94.5	95.1	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 800	78.3	88.8	91.8	93.9	95.4	96.1	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700	78.3	88.8	92.0	94.1	95.6	96.5	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 600	78.3	88.8	92.2	94.2	95.7	96.8	97.3	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 500	78.3	88.8	92.2	94.3	96.0	97.1	98.1	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 400	78.3	88.8	92.2	94.4	96.1	97.2	98.3	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 300	78.3	88.8	92.2	94.4	96.1	97.3	98.4	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5
IV 200	78.3	88.8	92.2	94.4	96.1	97.3	98.4	99.1	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	78.3	88.8	92.2	94.4	96.1	97.3	98.4	99.1	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0
IV 0	78.3	88.8	92.2	94.4	96.1	97.3	98.4	99.1	99.4	99.7	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 US AFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	48.3	50.2	50.4	50.6	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
IV ≥ 18000	51.6	54.4	54.6	54.8	54.9	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 16000	51.6	54.4	54.6	54.8	54.9	55.2	55.2	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 14000	52.4	55.2	55.4	55.6	55.7	55.9	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 12000	53.5	56.6	56.8	57.0	57.1	57.3	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 10000	55.9	59.5	59.7	59.9	60.0	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 9000	57.9	61.1	61.3	61.6	61.7	61.9	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 8000	60.1	64.1	64.3	64.6	64.8	65.1	65.2	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 7000	62.8	67.1	67.4	68.0	68.2	68.4	68.5	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 6000	64.6	69.0	69.4	70.0	70.3	70.5	70.6	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
IV 5000	67.1	71.8	72.2	72.8	73.1	73.3	73.4	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 4500	69.4	74.1	74.4	75.1	75.4	75.7	75.8	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 4000	73.1	77.8	78.2	78.8	79.1	79.5	79.6	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 3500	75.9	81.6	81.9	82.7	83.0	83.3	83.4	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 3000	78.4	84.9	85.3	86.0	86.3	86.7	86.8	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 2500	79.7	86.7	87.1	88.0	88.3	88.7	88.9	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 2000	80.3	87.8	88.3	89.1	89.7	90.2	90.5	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 1800	80.6	88.3	88.7	89.7	90.2	90.8	91.1	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 1500	81.4	89.6	90.1	91.3	92.2	92.7	93.1	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 1200	81.7	90.8	91.4	92.8	94.0	94.5	94.9	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 1000	81.7	90.9	91.6	93.5	94.8	95.4	95.8	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 900	81.7	91.1	91.8	93.8	95.1	95.6	96.0	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 800	81.7	91.1	91.8	93.8	95.4	96.0	96.5	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	81.7	91.2	92.1	94.0	95.8	96.5	96.9	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.8	97.8
IV 600	81.7	91.2	92.0	94.0	95.8	96.5	96.9	97.5	97.7	97.8	97.8	97.8	97.8	98.0	98.0	98.0
IV 500	81.7	91.2	92.0	94.1	96.0	97.0	97.4	98.2	98.4	98.6	98.6	98.6	98.6	98.7	98.8	98.8
IV 400	81.7	91.3	92.2	94.2	96.1	97.1	97.7	98.6	98.9	99.1	99.1	99.1	99.2	99.4	99.4	99.4
IV 300	81.7	91.3	92.2	94.2	96.1	97.1	97.7	98.7	99.0	99.2	99.2	99.2	99.2	99.4	99.5	99.5
IV 200	81.7	91.3	92.2	94.2	96.1	97.1	97.7	98.7	99.0	99.2	99.6	99.6	99.6	99.7	99.8	99.8
IV 100	81.7	91.3	92.2	94.2	96.1	97.1	97.7	98.7	99.0	99.2	99.6	99.6	99.6	99.9	100.0	100.0
IV 0	81.7	91.3	92.2	94.2	96.1	97.1	97.7	98.7	99.0	99.2	99.6	99.6	99.6	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	51.1	54.5	55.5	55.5	55.6	55.7	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2
≥ 20000	54.2	58.1	59.1	59.4	59.5	59.7	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2
≥ 18000	54.2	58.1	59.1	59.4	59.5	59.7	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2
≥ 16000	54.2	58.1	59.1	59.4	59.5	59.7	60.1	60.1	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.2
≥ 14000	54.7	58.6	59.7	59.9	60.0	60.2	60.6	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8
≥ 12000	56.7	60.7	61.2	61.4	61.5	61.7	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3
≥ 10000	58.0	62.6	63.7	63.9	64.1	64.3	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8
≥ 9000	59.0	64.0	65.2	65.5	65.7	65.9	66.3	66.3	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5
≥ 8000	61.3	67.0	68.2	68.5	68.7	68.9	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8
≥ 7000	62.8	68.7	69.9	70.2	70.4	70.6	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5
≥ 6000	65.1	71.1	72.6	73.1	73.3	73.5	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4
≥ 5000	67.8	74.1	75.6	76.1	76.3	76.7	77.5	77.5	77.5	77.5	77.6	77.7	77.7	77.7	77.7	77.7
≥ 4500	69.1	75.5	77.0	77.5	77.7	78.3	79.1	79.1	79.1	79.1	79.2	79.4	79.4	79.4	79.4	79.4
≥ 4000	70.6	77.2	78.9	79.5	79.7	80.2	81.1	81.1	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3
≥ 3500	72.6	79.4	81.1	81.9	82.2	82.8	83.7	83.7	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9
≥ 3000	74.5	81.7	83.8	84.5	84.9	85.6	86.5	86.5	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	75.6	83.2	85.5	86.2	86.7	87.3	88.2	88.2	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2000	76.3	84.5	86.8	87.6	88.3	89.1	90.0	90.0	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800	76.8	85.2	87.7	88.4	89.5	90.3	91.2	91.2	91.3	91.5	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1500	77.1	86.6	89.1	90.5	91.3	92.2	93.0	93.0	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	77.7	88.0	90.6	92.1	93.1	94.0	94.8	94.8	94.9	95.2	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1000	77.7	88.3	91.1	92.7	94.0	94.9	95.8	95.8	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2
≥ 900	77.7	88.4	91.2	92.9	94.3	95.3	96.1	96.1	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6
≥ 800	77.7	88.5	91.3	93.0	94.6	95.6	96.5	96.5	96.6	96.9	97.2	97.3	97.3	97.3	97.3	97.3
≥ 700	77.7	88.6	91.4	93.2	94.8	96.0	96.9	97.2	97.3	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	77.7	88.6	91.4	93.2	95.4	96.7	97.5	97.8	98.0	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	77.7	88.6	91.6	93.4	95.6	97.1	98.1	98.4	98.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	77.7	88.6	91.6	93.5	95.7	97.3	98.3	98.7	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	77.7	88.6	91.6	93.5	95.7	97.3	98.3	98.7	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	77.7	88.6	91.6	93.5	95.7	97.3	98.5	98.9	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	77.7	88.6	91.6	93.5	95.7	97.3	98.5	98.9	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	77.7	88.6	91.6	93.5	95.7	97.3	98.5	98.9	99.0	99.5	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70,73-80

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	51.3	56.1	56.8	57.1	58.0	58.2	58.6	58.6	58.8	59.0	59.0	59.0	59.0	59.0	59.1	59.3
IV 18000 16000	54.4	60.1	60.8	61.2	62.1	62.3	62.7	62.7	62.9	63.4	63.4	63.4	63.4	63.4	63.5	63.7
IV 14000 12000	55.2	60.8	61.6	61.9	62.9	63.1	63.5	63.5	63.7	64.2	64.2	64.2	64.2	64.2	64.3	64.5
IV 10000 9000	56.0	61.6	62.4	62.7	63.7	63.8	64.3	64.3	64.5	64.9	64.9	64.9	64.9	64.9	65.1	65.3
IV 8000 7000	57.4	63.2	64.0	64.3	65.3	65.4	65.9	65.9	66.0	66.5	66.5	66.5	66.5	66.5	66.5	66.8
IV 6000 5000	58.0	63.8	64.6	65.1	66.0	66.2	66.7	66.7	66.8	67.3	67.3	67.3	67.3	67.3	67.5	67.6
IV 4500 4000	59.4	65.9	66.7	67.1	68.1	68.4	68.9	68.9	69.0	69.5	69.5	69.5	69.5	69.5	69.7	70.0
IV 3500 3000	61.2	68.2	69.0	69.5	70.4	70.8	71.2	71.2	71.4	72.0	72.0	72.0	72.0	72.0	72.2	72.5
IV 2500 2000	62.3	69.7	71.9	71.4	72.5	72.8	73.3	73.3	73.4	74.1	74.1	74.1	74.1	74.1	74.2	74.5
IV 1800 1500	63.7	71.5	72.8	73.3	74.4	74.7	75.2	75.2	75.5	76.1	76.3	76.3	76.3	76.3	76.4	76.7
IV 1200 1000	65.4	73.4	74.7	75.2	76.3	76.6	77.0	77.0	77.4	78.0	78.1	78.1	78.1	78.1	78.3	78.6
IV 900 800	67.1	75.2	76.6	77.0	78.1	78.6	79.2	79.2	79.6	80.2	80.3	80.3	80.3	80.3	80.5	80.8
IV 700 600	68.6	77.4	79.2	79.7	81.0	81.4	82.1	82.1	82.4	83.0	83.2	83.2	83.2	83.2	83.3	83.6
IV 500 400	69.0	77.8	79.9	80.5	81.8	82.2	82.9	82.9	83.2	83.8	84.1	84.0	84.0	84.0	84.1	84.4
IV 300 200	71.2	80.2	82.4	83.2	84.4	84.9	85.5	85.5	85.8	86.5	86.6	86.6	86.6	86.6	86.8	87.1
IV 100 0	72.0	81.8	84.0	84.7	86.2	86.6	87.3	87.3	87.7	88.4	88.5	88.5	88.5	88.5	88.7	89.0
	72.0	82.2	84.4	85.2	86.6	87.1	87.7	87.7	88.2	88.8	89.0	89.0	89.0	89.0	89.2	89.5
	72.3	83.5	86.3	87.1	88.5	89.0	89.6	89.6	90.1	90.7	90.9	90.9	90.9	90.9	91.0	91.4
	73.6	85.4	88.7	89.5	91.0	91.5	92.1	92.1	92.6	93.2	93.4	93.4	93.4	93.4	93.6	93.9
	73.6	86.0	89.5	90.3	92.3	92.8	93.4	93.4	93.9	94.5	94.7	94.7	94.7	94.7	94.8	95.1
	73.6	86.2	89.6	90.4	92.5	92.9	93.6	93.6	94.0	94.7	94.8	94.8	94.8	94.8	95.0	95.7
	73.6	86.6	90.3	91.2	93.2	93.7	94.3	94.3	94.8	95.4	95.6	95.6	95.6	95.6	95.8	96.1
	73.6	86.8	90.6	91.5	94.0	94.5	95.4	95.8	96.2	96.9	97.0	97.0	97.0	97.0	97.2	97.5
	73.6	86.8	90.6	91.7	94.3	94.8	95.9	96.4	96.9	97.5	97.6	97.6	97.6	97.6	97.8	98.1
	73.6	86.9	90.7	91.8	95.0	95.4	96.7	97.2	97.6	98.3	98.4	98.4	98.4	98.4	98.6	98.9
	73.6	86.9	90.9	92.0	95.1	95.6	96.9	97.3	97.8	98.4	98.6	98.6	98.6	98.6	98.7	99.1
	73.6	86.9	90.9	92.3	95.4	95.9	97.2	97.6	98.1	98.9	99.1	99.1	99.1	99.2	99.4	99.7
	73.6	86.9	90.9	92.3	95.4	95.9	97.2	97.6	98.1	98.9	99.1	99.1	99.1	99.2	99.4	99.8
	73.6	86.9	90.9	92.3	95.4	95.9	97.2	97.6	98.1	98.9	99.1	99.1	99.1	99.2	99.4	99.8
	73.6	86.9	90.9	92.3	95.4	95.9	97.2	97.6	98.1	98.9	99.1	99.1	99.1	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 036

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14 703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

OCT  
 MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING	45.3	49.3	50.0	50.4	50.9	51.0	51.3	51.6	51.6	51.7	51.8	51.8	51.9	51.9	52.1	52.3
≥ 2000	48.4	53.0	53.8	54.2	54.8	55.0	55.3	55.6	55.7	55.8	55.9	55.9	56.0	56.0	56.2	56.5
IV 18000	48.4	53.0	53.8	54.3	54.8	55.0	55.3	55.6	55.7	55.8	55.9	55.9	56.0	56.0	56.3	56.5
IV 6000	48.4	53.0	53.8	54.3	54.8	55.0	55.3	55.6	55.7	55.8	55.9	55.9	56.0	56.0	56.3	56.5
IV 14000	48.9	53.9	54.3	54.7	55.3	55.5	55.8	56.1	56.2	56.3	56.4	56.4	56.5	56.5	56.7	57.0
IV 2000	49.9	54.6	55.4	55.9	56.5	56.7	56.9	57.3	57.3	57.5	57.5	57.6	57.7	57.7	57.9	58.2
IV 10000	51.9	57.1	57.9	58.5	59.1	59.3	59.7	60.0	60.0	60.2	60.2	60.3	60.4	60.4	60.6	60.9
IV 9000	52.7	58.0	58.9	59.5	60.1	60.3	60.6	61.0	61.0	61.2	61.2	61.2	61.3	61.4	61.6	61.9
IV 8000	54.7	60.6	61.5	62.2	62.8	63.0	63.5	63.9	63.9	64.1	64.2	64.2	64.3	64.3	64.5	64.8
IV 7000	56.4	62.7	63.7	64.3	65.0	65.3	65.7	66.2	66.2	66.4	66.5	66.5	66.6	66.6	66.8	67.1
IV 6000	57.8	64.4	65.5	66.3	67.0	67.3	67.7	68.1	68.2	68.4	68.4	68.5	68.6	68.6	68.8	69.1
IV 5000	59.5	66.2	67.4	68.2	68.9	69.2	69.7	70.1	70.2	70.4	70.5	70.5	70.6	70.6	70.9	71.1
IV 4500	60.6	67.4	68.6	69.4	70.1	70.5	71.0	71.4	71.5	71.7	71.8	71.8	71.9	71.9	72.1	72.4
IV 4000	62.6	69.7	70.9	71.7	72.5	72.9	73.4	73.8	73.9	74.1	74.2	74.2	74.3	74.3	74.6	74.9
IV 3500	64.9	72.5	73.8	74.7	75.5	75.9	76.4	76.8	76.9	77.1	77.2	77.2	77.3	77.4	77.6	77.9
IV 3000	66.9	75.0	76.5	77.4	78.3	78.7	79.2	79.6	79.7	79.9	80.0	80.0	80.1	80.2	80.4	80.7
IV 2500	68.6	77.4	79.0	80.0	81.0	81.4	82.0	82.4	82.6	82.7	82.8	82.8	83.0	83.0	83.2	83.5
IV 2000	69.8	79.2	80.9	81.9	83.0	83.5	84.2	84.7	84.8	85.0	85.1	85.1	85.2	85.3	85.5	85.8
IV 1800	70.3	79.9	81.7	82.8	83.9	84.4	85.1	85.5	85.7	85.9	86.0	86.0	86.1	86.1	86.4	86.7
IV 1500	70.8	81.2	83.2	84.5	85.7	86.3	87.1	87.5	87.7	87.9	88.0	88.0	88.1	88.1	88.4	88.7
IV 1200	71.4	82.9	85.3	86.9	88.3	89.0	89.8	90.3	90.5	90.7	90.8	90.8	90.9	90.9	91.2	91.5
IV 1000	71.5	83.6	86.1	88.0	89.6	90.5	91.4	91.9	92.1	92.3	92.4	92.4	92.5	92.6	92.8	93.1
IV 900	71.5	83.6	86.4	88.3	90.0	90.9	91.8	92.3	92.5	92.8	92.9	92.9	93.0	93.0	93.3	93.6
IV 800	71.6	84.0	86.8	88.8	90.8	91.8	92.8	93.4	93.6	93.9	94.0	94.0	94.1	94.2	94.4	94.8
IV 700	71.6	84.1	87.0	89.1	91.2	92.3	93.3	94.1	94.3	94.6	94.7	94.8	94.9	94.9	95.2	95.5
IV 600	71.6	84.2	87.2	89.4	91.7	92.9	94.0	94.8	95.1	95.4	95.5	95.5	95.6	95.7	95.9	96.3
IV 500	71.6	84.2	87.2	89.5	92.1	93.5	94.7	95.5	95.9	96.2	96.3	96.3	96.5	96.5	96.8	97.2
IV 400	71.6	84.2	87.3	89.6	92.2	93.8	95.0	96.0	96.4	96.8	97.0	97.0	97.1	97.2	97.5	97.9
IV 300	71.6	84.2	87.3	89.6	92.2	93.8	95.1	96.3	96.7	97.1	97.3	97.4	97.6	97.8	98.1	98.5
IV 200	71.6	84.2	87.3	89.6	92.3	93.8	95.2	96.4	96.8	97.3	97.6	97.6	97.9	98.1	98.5	99.1
IV 100	71.6	84.2	87.3	89.6	92.3	93.8	95.2	96.4	96.8	97.3	97.6	97.7	98.0	98.2	98.6	99.6
IV 0	71.6	84.2	87.3	89.6	92.3	93.8	95.2	96.4	96.8	97.3	97.6	97.7	98.0	98.3	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6200



GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14733

WESTOVER AFB MA

69-70,73-75

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-0200  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0	
NO CEILING	34.9	38.2	38.2	38.2	38.4	38.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.9	39.1	39.1	40.4
≥ 20000	38.0	41.6	41.6	41.6	41.8	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.2	42.4	42.4	43.8
IV 18000	38.0	41.6	41.6	41.6	41.8	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.2	42.4	42.4	43.8
IV 16000	38.0	41.6	41.6	41.6	41.8	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.2	42.4	42.4	43.8
IV 14000	38.4	42.0	42.0	42.0	42.2	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.7	42.9	42.9	44.2
IV 12000	41.1	44.9	44.9	44.9	45.1	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.6	45.8	45.8	47.1
IV 10000	42.0	45.8	45.8	45.8	46.0	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.4	46.7	46.7	48.0
IV 9000	43.3	48.7	48.7	48.7	48.9	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.3	49.6	49.8	51.1
IV 8000	44.9	50.4	50.4	50.4	50.7	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.1	51.3	51.6	52.9
IV 7000	47.3	52.9	52.9	52.9	53.1	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.6	53.8	54.0	55.3
IV 6000	50.9	57.3	57.3	57.3	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	58.0	58.2	58.4	59.8
IV 5000	53.6	60.7	60.7	60.7	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.8	62.0	62.2	63.6
IV 4500	55.1	62.7	62.7	62.9	63.3	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.8	64.0	64.2	65.6
IV 4000	56.9	64.9	65.1	65.3	66.0	66.0	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.1	67.3	67.6	68.9
IV 3500	60.2	69.8	70.0	70.2	70.9	70.9	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.2	72.4	72.7	74.0
IV 3000	62.7	73.1	73.3	73.6	74.2	74.2	75.1	75.1	75.3	75.3	75.3	75.3	75.3	75.6	75.8	76.0	77.3
IV 2500	64.0	75.1	75.3	75.6	76.2	76.2	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.6	77.8	78.0	79.3
IV 2000	65.6	76.9	77.1	77.6	78.2	78.2	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.6	79.8	80.0	81.3
IV 1800	67.1	78.4	78.9	79.3	80.0	80.0	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.3	81.6	81.8	83.1
IV 1500	68.2	80.2	81.1	81.8	82.4	82.4	83.3	83.3	83.6	83.6	83.6	83.6	83.6	83.8	84.0	84.2	85.6
IV 1200	69.3	82.2	83.1	83.8	84.9	84.9	86.2	86.2	86.7	86.7	86.7	86.7	86.7	86.9	87.1	87.3	88.7
IV 1000	69.3	82.9	83.8	84.7	85.8	85.8	87.1	87.1	87.6	87.6	87.6	87.6	87.6	87.8	88.0	88.2	89.6
IV 900	69.6	84.0	85.1	86.4	87.6	87.6	89.1	89.1	89.6	89.6	89.6	89.6	89.6	89.8	90.0	90.2	91.6
IV 800	70.2	84.9	86.0	87.6	88.7	88.7	90.4	90.4	90.9	90.9	90.9	90.9	90.9	91.1	91.3	91.6	92.9
IV 700	70.2	85.1	86.2	88.2	89.8	89.8	91.8	91.8	92.2	92.2	92.2	92.2	92.2	92.4	92.7	92.9	94.2
IV 600	70.2	85.3	86.4	88.4	90.0	90.4	92.4	92.7	93.6	93.6	93.6	93.6	93.6	93.8	94.0	94.2	95.6
IV 500	70.2	85.3	86.4	88.4	90.0	90.4	92.7	93.1	94.0	94.2	94.2	94.2	94.2	94.4	94.7	94.9	96.2
IV 400	70.2	85.6	87.1	89.1	91.1	91.6	93.8	94.4	95.8	96.0	96.0	96.0	96.0	96.2	96.4	96.7	98.0
IV 300	70.2	85.6	87.1	89.3	91.6	92.4	94.9	95.6	96.9	97.1	97.1	97.1	97.1	97.6	97.8	98.0	99.8
IV 200	70.2	85.6	87.1	89.3	91.8	92.7	95.1	95.8	97.1	97.3	97.3	97.3	97.3	97.8	98.0	98.2	100.0
IV 100	70.2	85.6	87.1	89.3	91.8	92.7	95.1	95.8	97.1	97.3	97.3	97.3	97.3	97.8	98.0	98.2	100.0
IV 0	70.2	85.6	87.1	89.3	91.8	92.7	95.1	95.8	97.1	97.3	97.3	97.3	97.3	97.8	98.0	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 450

2

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-75  
YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0	
NO CEILING ≥ 20000	34.0	39.8	39.8	39.8	40.4	40.4	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.6	41.8	42.4
IV 18000	35.3	41.8	41.8	41.8	42.4	42.4	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.6	43.8	44.4
IV 16000	35.3	41.8	41.8	41.8	42.4	42.4	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.6	43.8	44.4
IV 14000	36.0	42.4	42.4	42.4	43.1	43.1	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	44.2	44.4	45.1
IV 12000	37.7	43.8	43.8	43.8	44.4	44.4	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.6	45.8	46.4
IV 10000	37.8	44.2	44.2	44.2	44.9	44.9	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	46.0	46.2	46.9
IV 9000	38.2	45.6	45.6	45.6	46.2	46.2	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	47.3	47.6	48.2
IV 8000	38.9	46.7	46.7	46.7	47.3	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.4	48.9	49.6
IV 7000	40.4	48.9	48.9	48.9	49.6	49.6	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.7	51.1	51.8
IV 6000	42.0	51.1	51.1	51.1	52.0	52.0	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9	53.3	53.8	54.4
IV 5000	46.0	55.8	55.8	55.8	56.9	56.9	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	58.2	58.7	59.3
IV 4500	46.4	56.2	56.2	56.2	57.3	57.3	58.0	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.7	59.1	59.8
IV 4000	49.6	59.6	60.0	60.0	60.7	60.7	61.3	61.3	61.6	61.6	61.6	61.6	61.6	61.6	62.0	62.4	63.1
IV 3500	52.4	63.1	63.6	64.0	64.9	64.9	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.4	66.9	67.6
IV 3000	54.4	67.1	68.2	68.7	69.6	69.6	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	71.1	71.6	72.2
IV 2500	56.7	70.0	71.1	71.6	72.4	72.4	73.3	73.6	73.6	73.6	73.6	73.6	73.6	73.6	74.0	74.4	75.1
IV 2000	58.7	73.3	74.7	75.1	76.0	76.2	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.8	78.2	78.9
IV 1800	59.6	74.2	75.6	76.0	76.9	77.1	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.7	79.1	79.8
IV 1500	59.8	75.3	76.7	77.1	78.0	78.2	79.1	79.6	79.6	79.6	79.6	79.6	79.6	79.6	80.0	80.4	81.1
IV 1200	62.2	79.1	80.7	81.3	82.7	82.9	84.0	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.9	85.3	86.0
IV 1000	62.9	80.2	81.8	82.4	84.0	84.2	85.3	85.8	85.8	85.8	85.8	85.8	85.8	85.8	86.2	86.7	87.3
IV 900	62.9	81.1	82.7	83.3	84.9	85.1	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	87.1	87.6	88.2
IV 800	62.9	82.0	84.2	85.3	86.9	87.1	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	89.1	89.6	90.7
IV 700	62.9	82.9	85.6	86.7	88.2	88.4	89.6	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.7	91.1	92.2
IV 600	62.9	83.3	86.2	87.8	89.3	89.6	91.3	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.4	92.9	94.0
IV 500	62.9	83.3	86.2	87.8	89.3	89.6	91.3	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.9	93.3	94.4
IV 400	62.9	83.3	86.7	88.9	91.1	91.3	93.1	94.7	94.9	94.9	94.9	94.9	94.9	94.9	95.1	95.6	97.1
IV 300	62.9	83.3	86.7	89.1	91.6	92.0	93.8	95.3	95.6	95.6	95.6	95.6	95.6	95.6	96.2	96.7	98.4
IV 200	62.9	83.3	86.7	89.1	91.6	92.2	94.2	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.7	97.3	99.1
IV 100	62.9	83.3	86.7	89.1	91.6	92.2	94.2	95.8	96.0	96.2	96.2	96.2	96.2	96.2	96.9	97.6	99.3
IV 0	62.9	83.3	86.7	89.1	91.6	92.2	94.2	95.8	96.0	96.2	96.2	96.2	96.2	96.2	96.9	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 450

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

1-773  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0630-0830  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥¾	≥¾	≥5/16	≥¼	≥0
NO CEILING	34.2	38.5	38.7	39.1	39.3	39.4	39.4	39.7	40.1	40.1	40.2	40.2	40.3	40.3	40.3	40.5
IV 20000	37.4	42.2	42.6	43.0	43.1	43.3	43.3	43.5	43.9	43.9	44.1	44.1	44.2	44.2	44.5	44.9
IV 18000	37.7	42.5	42.9	43.3	43.4	43.5	43.5	43.8	44.2	44.2	44.3	44.3	44.5	44.5	44.7	45.1
IV 16000	37.8	42.6	43.0	43.4	43.5	43.7	43.7	43.9	44.3	44.3	44.5	44.5	44.6	44.6	44.9	45.3
IV 14000	38.3	43.4	43.8	44.2	44.3	44.5	44.5	44.7	45.1	45.1	45.3	45.3	45.4	45.4	45.7	46.1
IV 12000	39.5	44.7	45.1	45.5	45.7	45.8	45.8	46.1	46.5	46.5	46.6	46.6	46.7	46.7	47.0	47.4
IV 10000	41.5	47.8	48.2	48.6	48.7	48.9	48.9	49.1	49.5	49.5	49.7	49.7	49.8	49.8	50.1	50.5
IV 9000	41.8	48.3	48.7	49.1	49.3	49.4	49.4	49.7	50.1	50.1	50.2	50.2	50.3	50.3	50.6	51.0
IV 8000	43.9	51.4	51.9	52.3	52.6	52.7	52.7	53.0	53.4	53.4	53.5	53.5	53.7	53.7	53.9	54.3
IV 7000	44.6	52.5	53.4	53.8	54.7	54.9	54.9	55.1	55.5	55.5	55.7	55.7	55.8	55.8	56.1	56.5
IV 6000	45.5	53.5	54.5	54.9	55.8	56.1	56.1	56.3	56.7	56.7	56.9	56.9	57.0	57.0	57.3	57.7
IV 5000	47.7	55.7	56.6	57.0	58.1	58.3	58.3	58.6	59.0	59.0	59.1	59.1	59.3	59.3	59.5	59.9
IV 4500	48.5	57.3	58.2	58.7	59.9	60.5	60.5	60.7	61.1	61.1	61.4	61.4	61.5	61.5	61.8	62.2
IV 4000	50.9	60.2	61.1	61.9	63.1	63.6	63.8	64.2	64.6	64.6	64.8	64.8	65.0	65.0	65.2	65.6
IV 3500	53.3	63.5	64.4	65.2	66.4	67.0	67.2	67.8	68.2	68.2	68.4	68.4	68.6	68.6	68.8	69.2
IV 3000	55.1	66.6	67.6	68.6	70.0	70.6	71.0	71.5	71.9	71.9	72.3	72.3	72.4	72.4	72.7	73.1
IV 2500	56.1	68.0	69.1	70.2	71.8	72.3	72.7	73.2	73.6	73.6	74.0	74.0	74.2	74.2	74.4	74.8
IV 2000	58.1	71.2	72.4	73.5	75.2	75.9	76.3	76.8	77.2	77.2	77.6	77.6	77.8	77.8	78.0	78.4
IV 1800	58.5	71.8	73.0	74.2	75.9	76.6	77.0	77.5	77.9	77.9	78.3	78.3	78.4	78.4	78.7	79.1
IV 1500	59.8	74.3	75.5	76.7	78.4	79.1	79.5	80.0	80.4	80.4	80.8	80.8	81.0	81.0	81.2	81.6
IV 1200	60.6	77.6	79.1	80.6	83.0	83.6	84.2	84.8	85.2	85.2	85.6	85.6	85.8	85.8	86.0	86.4
IV 1000	60.7	78.4	80.0	81.6	84.3	85.0	85.8	86.4	86.8	86.8	87.2	87.2	87.4	87.4	87.6	88.0
IV 900	60.7	79.0	80.7	82.4	85.1	85.8	86.6	87.2	87.6	87.6	88.0	88.0	88.3	88.3	88.5	88.9
IV 800	60.7	79.1	81.4	83.8	86.7	87.6	88.4	89.1	89.5	89.6	90.0	90.0	90.3	90.3	90.5	90.9
IV 700	60.7	79.5	81.9	84.6	87.6	88.9	90.1	91.1	91.5	91.7	92.1	92.1	92.4	92.4	92.7	93.1
IV 600	60.7	79.9	82.3	85.1	88.4	89.9	91.2	92.3	92.7	92.9	93.3	93.6	93.9	93.9	94.1	94.5
IV 500	60.7	80.2	82.6	85.5	89.2	90.7	92.0	93.3	93.7	94.0	94.4	94.7	94.9	94.9	95.2	95.6
IV 400	60.7	80.2	82.6	85.5	89.2	90.7	92.0	93.3	93.7	94.0	94.4	94.7	94.9	94.9	95.2	95.6
IV 300	60.7	80.2	82.6	85.8	89.5	90.9	92.3	93.9	94.4	94.7	95.2	95.5	96.0	96.0	96.4	97.2
IV 200	60.7	80.2	82.6	85.8	89.5	90.9	92.5	94.3	94.8	95.1	95.6	96.0	96.5	96.5	96.9	97.9
IV 100	60.7	80.2	82.6	85.8	89.5	90.9	92.5	94.3	94.9	95.3	95.9	96.3	96.8	96.9	97.3	98.9
IV 0	60.7	80.2	82.6	85.8	89.5	90.9	92.5	94.3	94.9	95.3	95.9	96.3	96.8	96.9	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 751

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14 703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

NOV  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	33.1	37.3	37.7	38.1	38.2	38.3	38.3	38.4	38.7	38.7	38.7	38.7	38.7	38.7	38.7	39.0
IV 20000	38.2	43.9	44.2	44.9	45.0	45.2	45.2	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	46.1
IV 18000	38.4	44.1	44.4	45.1	45.2	45.4	45.4	45.6	45.8	45.8	45.8	45.8	45.8	45.8	45.8	46.3
IV 16000	38.6	44.2	44.6	45.2	45.3	45.6	45.6	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.4
IV 14000	38.7	44.4	44.8	45.4	45.6	45.8	45.8	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.3	46.7
IV 12000	39.8	45.8	46.2	46.9	47.3	47.6	47.6	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.4
IV 10000	42.3	48.8	49.6	50.3	50.9	51.1	51.1	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.7	52.0
IV 9000	43.0	49.7	50.6	51.3	51.9	52.1	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.7	53.0
IV 8000	45.2	52.9	53.8	54.6	55.1	55.3	55.3	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.9	56.2
IV 7000	47.1	55.7	56.6	57.3	57.9	58.1	58.1	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.7	59.0
IV 6000	47.7	56.4	57.3	58.1	58.7	58.9	58.9	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.4	59.8
IV 5000	48.4	57.6	58.4	59.2	59.9	60.1	60.1	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.7	61.0
IV 4500	50.0	59.6	60.4	61.2	62.1	62.4	62.4	62.6	62.8	62.8	62.8	62.8	62.8	62.8	63.0	63.3
IV 4000	53.2	63.3	64.4	65.2	66.2	66.6	66.9	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.4	67.8
IV 3500	56.6	66.8	68.0	68.9	69.9	70.4	71.0	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.7	72.0
IV 3000	58.6	69.3	70.7	71.6	72.6	73.1	73.7	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.3	74.7
IV 2500	60.8	72.6	74.2	75.2	76.2	76.8	77.3	77.6	77.8	77.8	77.8	77.8	77.8	77.8	78.0	78.3
IV 2000	62.2	74.6	76.4	77.6	78.6	79.1	79.7	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.4	80.8
IV 1800	62.9	75.9	77.7	78.8	79.9	80.4	81.0	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.8	82.1
IV 1500	64.9	78.3	80.3	81.6	82.7	83.2	83.8	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.6	84.9
IV 1200	65.8	81.3	83.9	85.6	86.9	87.6	88.1	88.6	88.8	88.8	88.8	88.8	88.8	88.8	89.0	89.3
IV 1000	65.9	82.3	85.3	87.2	88.9	89.6	90.1	90.6	90.8	90.8	90.8	90.8	90.8	90.8	91.0	91.3
IV 900	65.9	82.8	85.9	87.8	90.0	90.7	91.2	91.7	91.9	91.9	91.9	91.9	91.9	91.9	92.1	92.4
IV 800	66.1	83.7	87.0	89.4	91.8	92.6	93.1	93.6	93.8	93.8	93.8	93.8	93.8	93.8	94.0	94.3
IV 700	66.1	84.0	87.4	90.3	92.9	94.1	94.8	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.7	96.0
IV 600	66.1	84.0	87.6	90.7	93.2	94.4	95.2	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.3	96.7
IV 500	66.1	84.1	87.8	91.0	93.7	94.9	95.8	96.4	96.7	96.7	96.7	96.7	96.8	96.9	97.1	97.4
IV 400	66.1	84.1	87.8	91.0	93.7	95.0	96.0	96.7	96.9	96.9	96.9	96.9	97.0	97.1	97.3	97.7
IV 300	66.1	84.1	87.8	91.0	93.7	95.0	96.0	97.0	97.2	97.4	97.4	97.4	97.6	97.8	98.1	98.4
IV 200	66.1	84.1	87.8	91.0	93.7	95.0	96.0	97.2	97.4	97.7	97.8	97.8	97.9	98.1	98.3	98.8
IV 100	66.1	84.1	87.8	91.0	93.7	95.0	96.0	97.2	97.6	97.8	97.8	97.9	98.0	98.2	98.6	99.9
IV 0	66.1	84.1	87.8	91.0	93.7	95.0	96.0	97.2	97.6	97.8	97.8	97.9	98.0	98.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14783

WESTOVER AFB MA

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	36.2	38.9	39.1	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
IN 20000	42.6	46.1	46.3	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IN 18000	42.8	46.3	46.6	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
IN 16000	43.0	46.6	46.8	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IN 14000	43.8	48.0	48.2	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
IN 12000	45.7	50.8	51.0	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IN 10000	48.0	53.7	54.0	54.4	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
IN 9000	48.4	54.2	54.6	55.0	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IN 8000	50.6	56.4	56.9	57.3	57.6	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IN 7000	52.0	58.2	58.7	59.1	59.3	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
IN 6000	52.8	59.2	59.7	60.1	60.3	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IN 5000	54.3	61.0	61.6	62.2	62.4	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IN 4500	55.8	62.7	63.2	63.9	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IN 4000	60.3	67.8	68.4	69.2	69.4	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IN 3500	65.2	73.2	74.0	74.8	75.0	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IN 3000	68.8	77.1	77.9	78.7	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IN 2500	70.8	80.6	81.7	82.6	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IN 2000	73.6	84.4	85.6	86.6	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IN 1800	74.1	85.3	86.6	87.6	87.8	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IN 1500	75.0	87.1	88.3	89.3	89.6	89.7	89.8	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0
IN 1200	76.2	88.8	90.2	91.3	91.8	92.1	92.6	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0
IN 1000	76.3	89.7	92.1	93.3	94.1	94.7	95.4	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
IN 900	76.4	89.8	92.3	93.6	94.4	95.1	95.9	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3
IN 800	76.9	90.6	93.1	94.6	95.4	96.2	97.2	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
IN 700	76.9	90.6	93.3	94.9	95.8	96.8	97.9	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3
IN 600	76.9	90.6	93.3	95.0	95.9	96.9	98.2	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
IN 500	76.9	90.6	93.4	95.1	96.1	97.1	98.4	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
IN 400	76.9	90.6	93.4	95.1	96.2	97.3	98.7	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
IN 300	76.9	90.6	93.4	95.1	96.2	97.3	98.7	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
IN 200	76.9	90.6	93.4	95.1	96.2	97.3	98.7	99.2	99.3	99.4	99.6	99.6	99.7	99.7	99.7	99.8
IN 100	76.9	90.6	93.4	95.1	96.2	97.3	98.7	99.2	99.3	99.4	99.6	99.7	99.8	99.8	99.9	100.0
IN 0	76.9	90.6	93.4	95.1	96.2	97.3	98.7	99.2	99.3	99.4	99.6	99.7	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	37.8	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 20000	42.3	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8
IV 18000	42.3	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 16000	42.3	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 14000	43.0	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7
IV 12000	46.6	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 10000	49.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6
IV 9000	49.6	54.2	54.3	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
IV 8000	52.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 7000	52.9	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 6000	53.6	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 5000	55.7	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 4500	53.2	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8
IV 4000	62.8	72.2	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 3500	67.0	75.0	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
IV 3000	71.0	79.9	80.4	80.6	80.7	80.7	80.7	80.8	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0
IV 2500	72.7	82.6	83.3	83.6	83.7	83.7	83.8	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2000	74.4	85.6	86.6	86.9	87.2	87.2	87.4	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 1800	74.7	85.8	86.8	87.1	87.6	87.7	87.9	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1500	75.7	87.0	88.2	88.7	89.3	89.6	89.9	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 1200	75.8	89.7	90.6	91.2	92.1	92.7	93.6	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 1000	75.8	89.8	91.4	92.2	93.2	93.8	94.7	95.2	95.4	95.6	95.6	95.6	95.6	95.7	95.7	95.7
IV 900	76.7	90.1	91.8	92.6	93.8	94.3	95.2	95.8	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2
IV 800	76.0	90.6	92.3	93.3	94.7	95.2	96.1	96.9	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4
IV 700	76.0	90.6	92.7	93.7	95.0	95.6	96.4	97.2	97.4	97.7	97.7	97.7	97.8	97.8	97.8	97.8
IV 600	76.0	90.6	92.7	93.7	95.0	95.6	96.4	97.4	97.7	97.9	97.9	97.9	98.0	98.0	98.0	98.0
IV 500	76.1	90.9	92.8	93.9	95.3	96.0	96.9	97.9	98.1	98.6	98.6	98.6	98.7	98.7	98.7	98.7
IV 400	76.1	90.9	92.8	94.0	95.7	96.3	97.2	98.3	98.6	99.0	99.1	99.1	99.2	99.2	99.2	99.2
IV 300	76.1	90.9	92.8	94.0	95.7	96.3	97.2	98.6	98.9	99.3	99.4	99.4	99.6	99.6	99.6	99.6
IV 200	76.1	90.9	92.8	94.0	95.7	96.3	97.2	98.6	98.9	99.3	99.4	99.4	99.6	99.6	99.7	99.7
IV 100	76.1	90.9	92.8	94.0	95.7	96.3	97.2	98.6	98.9	99.3	99.6	99.6	99.7	99.7	99.8	100.0
IV 0	76.1	90.9	92.8	94.0	95.7	96.3	97.2	98.6	98.9	99.3	99.6	99.6	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
 STATION

WFSTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

NOV  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	40.2	43.0	43.4	43.7	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.9	43.9	43.9
IV 20000	43.0	46.0	46.4	46.7	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9
IV 18000	43.0	46.0	46.4	46.7	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9
IV 16000	43.0	46.0	46.4	46.7	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9
IV 14000	43.2	46.2	46.7	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.1	47.1	47.1
IV 12000	45.0	48.1	48.6	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.0
IV 10000	48.0	51.3	51.8	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.2	52.2
IV 9000	49.3	52.9	53.3	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8
IV 8000	51.8	55.8	56.2	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7
IV 7000	54.0	58.8	59.2	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7
IV 6000	55.1	60.2	60.7	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1
IV 5000	58.3	64.0	64.6	64.8	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1
IV 4500	61.1	66.9	67.6	67.8	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1
IV 4000	64.3	70.2	71.2	71.4	71.4	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8
IV 3500	68.2	74.7	75.7	75.9	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2
IV 3000	69.9	77.1	78.1	78.3	78.3	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7
IV 2500	71.1	79.7	80.7	81.0	81.0	81.1	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.6
IV 2000	73.1	83.0	84.2	84.8	85.0	85.1	85.3	85.6	85.6	85.6	85.6	85.6	85.6	85.8	85.8	85.8
IV 1800	73.6	83.7	85.0	85.6	85.9	86.0	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.7	86.7	86.7
IV 1500	74.0	85.2	86.6	87.3	88.3	88.4	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.3	89.3	89.3
IV 1200	74.4	87.3	89.0	90.1	91.2	91.9	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.7	93.7	93.7
IV 1000	74.6	88.1	89.9	91.1	92.3	93.0	94.7	95.0	95.0	95.0	95.0	95.0	95.0	95.2	95.2	95.2
IV 900	74.9	88.6	90.4	91.7	93.0	93.7	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.9	95.9	95.9
IV 800	75.0	88.8	90.8	92.3	93.8	94.4	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.8	96.8	96.8
IV 700	75.1	89.2	91.2	92.8	94.2	94.9	96.7	97.1	97.2	97.2	97.2	97.2	97.2	97.4	97.4	97.4
IV 600	75.1	89.3	91.3	93.0	94.6	95.2	97.0	97.6	97.7	97.7	97.7	97.7	97.7	97.9	97.9	97.9
IV 500	75.1	89.3	91.3	93.0	94.6	95.2	97.2	97.9	98.1	98.1	98.1	98.2	98.2	98.4	98.4	98.4
IV 400	75.1	89.3	91.3	93.0	94.7	95.3	97.3	98.0	98.3	98.3	98.3	98.8	98.8	99.0	99.0	99.0
IV 300	75.1	89.3	91.4	93.2	95.0	95.7	97.7	98.3	98.7	98.9	99.3	99.3	99.3	99.6	99.7	99.7
IV 200	75.1	89.3	91.6	93.3	95.1	95.8	97.8	98.4	98.8	99.0	99.4	99.6	99.6	99.8	100.0	100.0
IV 100	75.1	89.3	91.6	93.3	95.1	95.8	97.8	98.4	98.8	99.0	99.4	99.6	99.6	99.8	100.0	100.0
IV 0	75.1	89.3	91.6	93.3	95.1	95.8	97.8	98.4	98.8	99.0	99.4	99.6	99.6	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70,73-80

NOV

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.0	40.0	40.4	40.8	41.2	41.2	41.2	41.2	41.2	41.3	41.3	41.5	41.5	41.6	41.6	42.0
≥ 20000	41.7	44.4	44.6	45.2	45.6	45.6	45.6	45.6	45.6	45.7	45.7	45.9	45.9	46.0	46.0	46.4
IV 18000	41.9	44.5	44.9	45.3	45.7	45.7	45.7	45.7	45.7	45.9	45.9	46.0	46.0	46.1	46.1	46.5
IV 16000	41.9	44.5	44.9	45.3	45.7	45.7	45.7	45.7	45.7	45.9	45.9	46.0	46.0	46.1	46.1	46.5
IV 14000	42.0	44.7	45.1	45.5	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.1	46.1	46.3	46.3	46.7
IV 12000	43.5	46.3	46.7	47.1	47.5	47.5	47.5	47.5	47.5	47.6	47.6	47.7	47.7	47.9	47.9	48.3
IV 10000	46.3	49.1	49.5	49.9	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.5	50.5	50.7	50.7	51.1
IV 9000	47.3	50.7	51.1	51.5	51.9	51.9	51.9	51.9	51.9	52.0	52.0	52.1	52.1	52.3	52.3	52.7
IV 8000	48.9	53.5	53.9	54.3	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.9	54.9	55.1	55.1	55.5
IV 7000	50.9	55.3	55.9	56.3	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.9	56.9	57.1	57.1	57.6
IV 6000	53.1	58.3	58.8	59.2	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.9	59.9	60.0	60.0	60.5
IV 5000	56.4	62.4	63.2	63.7	64.1	64.1	64.1	64.1	64.1	64.3	64.3	64.4	64.4	64.5	64.5	65.1
IV 4500	58.5	64.7	65.6	66.1	66.5	66.5	66.5	66.5	66.5	66.7	66.7	66.8	66.8	66.9	66.9	67.5
IV 4000	60.1	67.5	68.4	68.9	69.5	69.5	69.5	69.5	69.7	70.0	70.0	70.1	70.1	70.3	70.3	70.8
IV 3500	63.2	70.7	71.6	72.1	72.7	72.7	72.8	73.1	73.1	73.3	73.3	73.5	73.5	73.6	73.6	74.1
IV 3000	66.4	74.3	75.2	75.7	76.4	76.4	76.5	76.8	76.8	77.1	77.1	77.2	77.2	77.3	77.3	77.9
IV 2500	68.9	77.6	78.5	79.0	80.3	80.3	80.4	80.7	80.7	80.9	80.9	81.1	81.1	81.2	81.2	81.7
IV 2000	70.0	80.5	81.4	82.0	83.6	83.6	83.7	84.0	84.0	84.3	84.3	84.4	84.4	84.5	84.5	85.1
IV 1800	70.7	81.9	83.2	84.0	84.9	84.9	85.1	85.3	85.3	85.6	85.6	85.7	85.7	85.9	85.9	86.4
IV 1500	71.6	83.9	85.3	86.5	87.5	87.5	87.7	88.1	88.1	88.4	88.4	88.5	88.5	88.7	88.7	89.2
IV 1200	71.7	85.5	87.3	88.9	90.8	90.8	91.2	91.6	91.6	91.9	91.9	92.0	92.0	92.1	92.1	92.7
IV 1000	72.1	86.3	88.3	90.0	91.9	91.9	92.5	92.9	92.9	93.2	93.2	93.3	93.3	93.6	93.6	94.1
IV 900	72.4	86.5	88.7	90.4	92.3	92.3	92.9	93.3	93.3	93.6	93.6	93.7	93.7	94.0	94.0	94.5
IV 800	72.4	86.5	88.7	90.5	92.5	92.5	93.6	94.1	94.3	94.5	94.5	94.7	94.7	94.9	94.9	95.5
IV 700	72.4	86.5	88.7	90.7	92.7	93.1	94.1	95.1	95.2	95.5	95.5	95.6	95.6	95.9	95.9	96.4
IV 600	72.4	86.5	88.7	91.1	93.1	93.6	94.8	95.7	95.9	96.1	96.1	96.3	96.3	96.5	96.5	97.1
IV 500	72.4	86.5	88.7	91.2	93.3	93.9	95.3	96.3	96.4	96.7	96.8	96.9	96.9	97.2	97.2	97.7
IV 400	72.5	86.6	88.9	91.5	93.6	94.1	95.7	96.9	97.1	97.3	97.5	97.6	97.6	98.0	98.3	98.8
IV 300	72.5	86.6	88.9	91.6	93.7	94.3	96.1	97.5	97.9	98.1	98.3	98.4	98.4	98.8	99.1	99.6
IV 200	72.5	86.6	88.9	91.6	93.7	94.3	96.1	97.7	98.1	98.4	98.5	98.7	99.1	99.3	99.3	99.9
IV 100	72.5	86.6	88.9	91.6	93.7	94.3	96.1	97.7	98.1	98.4	98.5	98.7	99.1	99.3	99.3	100.0
IV 0	72.5	86.6	88.9	91.6	93.7	94.3	96.1	97.7	98.1	98.4	98.5	98.7	99.1	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 750



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 YEARS

NOV  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	36.3	39.6	39.9	40.1	40.3	40.3	40.4	40.4	40.5	40.6	40.6	40.6	40.6	40.7	40.7	41.0
IV 20000	40.3	44.3	44.6	44.9	45.0	45.1	45.2	45.2	45.3	45.3	45.3	45.4	45.4	45.5	45.6	45.9
IV 18000	40.4	44.5	44.7	45.0	45.2	45.2	45.3	45.4	45.4	45.5	45.5	45.5	45.6	45.6	45.7	46.0
IV 16000	40.5	44.5	44.8	45.1	45.2	45.3	45.4	45.4	45.5	45.5	45.6	45.6	45.6	45.7	45.8	46.1
IV 14000	40.9	45.1	45.4	45.7	45.8	45.9	46.0	46.0	46.1	46.1	46.2	46.2	46.2	46.3	46.4	46.7
IV 12000	42.8	47.2	47.5	47.8	48.1	48.1	48.2	48.2	48.3	48.4	48.4	48.4	48.4	48.5	48.6	48.9
IV 10000	45.1	49.9	50.3	50.6	50.8	50.9	51.0	51.1	51.1	51.2	51.2	51.2	51.3	51.3	51.4	51.7
IV 9000	45.8	51.1	51.5	51.8	52.0	52.1	52.2	52.2	52.3	52.4	52.4	52.4	52.4	52.5	52.6	52.9
IV 8000	47.8	53.7	54.1	54.5	54.7	54.8	54.9	54.9	55.0	55.1	55.1	55.1	55.1	55.2	55.3	55.6
IV 7000	49.4	55.8	56.3	56.6	56.9	57.0	57.1	57.1	57.2	57.3	57.3	57.3	57.3	57.4	57.5	57.8
IV 6000	50.7	57.4	57.9	58.2	58.6	58.7	58.8	58.8	58.9	59.0	59.0	59.0	59.0	59.1	59.2	59.5
IV 5000	52.9	60.3	60.9	61.2	61.6	61.7	61.8	61.9	62.0	62.0	62.0	62.1	62.1	62.2	62.3	62.6
IV 4500	54.8	62.3	63.0	63.4	63.8	64.0	64.0	64.1	64.2	64.2	64.3	64.3	64.3	64.4	64.5	64.8
IV 4000	57.9	66.0	66.8	67.2	67.7	67.9	68.1	68.2	68.3	68.3	68.4	68.4	68.4	68.5	68.6	68.9
IV 3500	61.8	70.2	71.0	71.5	72.0	72.2	72.5	72.7	72.8	72.8	72.8	72.9	72.9	73.0	73.1	73.4
IV 3000	64.2	73.6	74.5	75.1	75.7	75.8	76.2	76.3	76.4	76.5	76.5	76.6	76.6	76.7	76.8	77.1
IV 2500	66.5	76.4	77.4	78.1	78.7	78.9	79.2	79.4	79.5	79.6	79.6	79.7	79.7	79.8	79.9	80.2
IV 2000	67.8	79.4	80.6	81.3	82.1	82.3	82.6	82.8	83.0	83.0	83.1	83.1	83.1	83.2	83.3	83.6
IV 1800	68.4	80.3	81.5	82.3	83.0	83.3	83.6	83.9	84.0	84.0	84.1	84.1	84.2	84.2	84.4	84.7
IV 1500	69.4	82.1	83.5	84.4	85.3	85.5	85.9	86.2	86.3	86.4	86.5	86.5	86.5	86.6	86.7	87.0
IV 1200	70.2	84.5	86.1	87.3	88.6	89.0	89.8	90.2	90.3	90.4	90.5	90.5	90.5	90.6	90.7	91.0
IV 1000	70.4	85.3	87.3	88.6	90.0	90.5	91.5	91.9	92.0	92.1	92.1	92.2	92.2	92.3	92.4	92.8
IV 900	70.6	85.8	87.8	89.2	90.8	91.3	92.2	92.7	92.8	92.9	92.9	92.9	93.0	93.1	93.2	93.6
IV 800	70.7	86.3	88.5	90.2	91.9	92.5	93.5	94.0	94.2	94.3	94.3	94.4	94.5	94.5	94.7	95.0
IV 700	70.7	86.5	88.9	90.8	92.6	93.3	94.5	95.1	95.3	95.4	95.4	95.5	95.6	95.6	95.8	96.1
IV 600	70.7	86.7	89.1	91.1	92.9	93.8	95.1	95.8	96.0	96.1	96.2	96.2	96.3	96.4	96.5	96.9
IV 500	70.8	86.7	89.2	91.3	93.2	94.1	95.5	96.3	96.5	96.7	96.8	96.8	97.0	97.0	97.2	97.5
IV 400	70.8	86.8	89.3	91.4	93.6	94.4	95.9	96.8	97.1	97.2	97.4	97.5	97.7	97.7	97.9	98.2
IV 300	70.8	86.8	89.3	91.6	93.7	94.6	96.1	97.2	97.6	97.8	98.0	98.1	98.3	98.4	98.6	99.0
IV 200	70.8	86.8	89.3	91.6	93.8	94.7	96.2	97.4	97.8	98.0	98.2	98.3	98.6	98.7	98.9	99.5
IV 100	70.8	86.8	89.3	91.6	93.8	94.7	96.2	97.4	97.8	98.1	98.3	98.4	98.7	98.9	99.1	99.8
IV 0	70.8	86.8	89.3	91.6	93.8	94.7	96.2	97.4	97.8	98.1	98.3	98.4	98.7	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 6001

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70,73-75

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	38.8	41.0	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	41.5
IV 18000 IV 16000	40.8	43.1	43.3	43.3	43.3	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 14000 IV 12000	41.5	43.8	44.0	44.0	44.0	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 10000 IV 9000	41.5	43.8	44.0	44.0	44.0	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 8000 IV 7000	41.9	43.8	44.0	44.0	44.0	44.4	44.4	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
IV 6000 IV 5000	42.0	44.2	44.4	44.4	44.4	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 4500 IV 4000	43.1	45.4	45.6	45.6	45.6	46.0	46.0	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 3500 IV 3000	43.1	45.6	45.8	45.8	45.8	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 2500 IV 2000	46.7	50.3	50.8	50.8	50.8	51.2	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
IV 1800 IV 1500	47.6	51.2	51.7	51.7	51.9	52.4	52.4	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 1200 IV 1000	49.0	52.6	53.1	53.1	53.3	53.7	53.7	54.0	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
IV 900 IV 800	50.6	54.2	54.6	54.6	54.9	55.1	55.6	55.6	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 700 IV 600	51.5	55.6	56.0	56.2	56.5	56.9	56.9	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 500 IV 400	56.5	60.8	61.2	61.5	61.7	62.1	62.1	62.4	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 300 IV 200	57.1	61.7	62.1	62.4	62.8	63.3	63.3	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 100 IV 0	60.8	65.8	66.2	66.4	66.9	67.6	67.6	67.8	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 1000 IV 800	61.9	67.6	68.0	68.3	68.9	69.8	69.8	70.1	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 700 IV 600	64.4	70.3	70.7	71.0	71.7	72.6	73.0	73.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 500 IV 400	64.4	70.3	70.7	71.0	71.7	72.6	73.2	73.7	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 300 IV 200	66.9	72.8	73.5	73.7	74.4	75.5	76.6	77.3	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 100 IV 0	68.9	76.0	76.9	77.3	78.5	79.8	81.0	81.9	82.5	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 1000 IV 800	69.6	77.6	78.7	79.4	80.7	82.5	83.7	85.3	85.9	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 700 IV 600	69.6	77.6	79.6	80.3	81.6	84.1	85.9	88.0	88.9	90.0	90.0	90.2	90.2	90.2	90.2	90.2
IV 500 IV 400	69.6	77.6	79.6	80.3	81.6	84.1	85.9	88.0	88.9	90.0	90.0	90.2	90.2	90.5	90.9	90.9
IV 300 IV 200	69.6	78.2	80.0	80.7	82.1	84.6	86.4	88.9	90.0	91.6	91.8	92.1	92.5	93.0	93.0	93.2
IV 100 IV 0	69.6	78.2	80.0	80.7	82.1	84.6	86.4	88.9	90.0	91.6	91.8	92.1	92.5	93.0	93.0	93.2
IV 1000 IV 800	69.6	78.2	80.0	81.0	82.5	85.0	87.3	90.2	91.4	93.2	93.9	94.8	95.9	96.6	97.1	97.5
IV 700 IV 600	69.6	78.2	80.0	81.0	82.5	85.0	87.3	90.5	91.6	93.4	94.1	95.0	96.1	96.8	97.3	97.7
IV 500 IV 400	69.6	78.2	80.0	81.0	82.5	85.0	87.3	90.7	91.8	93.7	94.3	95.7	96.8	98.0	98.4	99.8
IV 300 IV 200	69.6	78.2	80.0	81.0	82.5	85.0	87.3	90.7	91.8	93.7	94.3	95.7	96.8	98.0	98.6	100.0
IV 100 IV 0	69.6	78.2	80.0	81.0	82.5	85.0	87.3	90.7	91.8	93.7	94.3	95.7	96.8	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 441

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
 SEE FIRST PAGE

14733

WESTOVER AFB MA

69-70,73-75

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	39.2	42.4	42.6	43.1	43.1	43.1	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
IV 20000	41.4	43.5	43.8	44.2	44.2	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 18000	40.8	44.0	44.2	44.7	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 16000	40.8	44.0	44.2	44.7	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 14000	40.8	44.0	44.2	44.7	44.7	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 12000	41.0	44.2	44.4	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 10000	43.5	46.7	46.9	47.4	47.4	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IV 9000	43.5	46.9	47.2	47.6	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
IV 8000	46.5	51.2	51.7	52.2	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 7000	48.1	53.1	53.5	54.2	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 6000	50.8	56.0	56.7	57.4	57.6	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 5000	51.7	56.9	57.6	58.3	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 4500	52.2	57.4	58.0	58.7	59.0	59.0	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 4000	54.6	60.3	61.2	61.9	62.4	62.4	62.8	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
IV 3500	56.0	61.7	62.6	63.3	63.9	63.9	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
IV 3000	60.8	66.7	67.6	68.3	69.2	69.2	69.6	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 2500	61.9	68.5	69.4	70.1	71.9	71.9	72.3	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 2000	63.9	71.4	72.6	73.2	75.5	75.7	76.9	77.3	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6
IV 1800	64.8	72.8	73.9	74.6	76.9	77.1	78.2	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 1500	67.3	75.5	77.1	78.0	80.3	80.5	81.6	82.1	82.1	82.8	83.0	83.0	83.0	83.0	83.0	83.0
IV 1200	67.8	77.3	79.4	80.7	83.4	83.7	84.8	85.3	85.3	86.2	86.4	86.4	86.4	86.4	86.4	86.4
IV 1000	68.3	78.2	80.5	82.8	85.5	85.7	86.8	87.5	87.5	88.4	88.7	88.7	88.7	88.7	88.7	88.7
IV 900	68.3	78.5	80.7	83.0	85.7	85.9	87.1	88.0	88.0	88.9	89.1	89.1	89.1	89.1	89.1	89.1
IV 800	68.3	78.5	81.0	83.2	85.9	86.2	87.5	88.9	88.9	89.8	90.2	90.2	90.2	90.2	90.2	90.2
IV 700	68.3	78.9	81.6	83.9	86.8	86.8	88.4	90.0	90.5	91.4	91.8	91.8	91.8	91.8	91.8	91.8
IV 600	68.3	78.9	81.6	83.9	86.8	87.1	88.9	90.5	91.2	92.1	92.7	92.7	93.0	93.0	93.2	93.2
IV 500	68.3	78.9	81.6	83.9	86.8	87.3	89.1	90.7	91.6	93.0	93.7	93.7	93.9	93.9	94.1	94.3
IV 400	68.3	78.9	81.6	83.9	86.8	87.3	89.1	90.9	91.8	93.2	94.1	94.1	95.0	95.0	95.2	95.5
IV 300	68.3	78.9	81.6	83.9	86.8	87.3	89.1	90.9	91.8	93.2	94.1	94.1	95.0	95.0	95.2	96.1
IV 200	68.3	78.9	81.6	83.9	87.1	87.5	89.3	91.2	92.5	94.3	95.2	95.5	96.4	96.4	96.8	98.0
IV 100	68.3	78.9	81.6	83.9	87.1	87.5	89.3	91.2	92.5	94.3	95.2	95.7	96.6	96.6	97.5	100.0
IV 0	68.3	78.9	81.6	83.9	87.1	87.5	89.3	91.2	92.5	94.3	95.2	95.7	96.6	96.6	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 441

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
YEARS

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-2800  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	36.3	40.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
IV 20000	40.7	45.6	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 18000	40.7	45.8	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
IV 16000	40.7	45.8	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
IV 14000	41.4	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IV 12000	42.2	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
IV 10000	44.7	50.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 9000	45.5	51.5	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 8000	48.9	55.8	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 7000	49.7	56.9	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.6	57.6	57.6
IV 6000	50.7	58.4	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0
IV 5000	52.5	60.9	61.3	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7
IV 4500	52.9	61.4	61.8	62.0	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.4	62.4	62.4
IV 4000	55.7	64.3	64.7	65.1	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6
IV 3500	56.8	65.6	66.1	66.5	66.8	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2
IV 3000	59.7	68.9	69.3	70.0	70.4	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	71.0	71.0	71.0
IV 2500	61.6	71.8	72.4	73.4	73.8	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3	74.3	74.3
IV 2000	64.7	76.2	76.6	77.9	78.8	79.3	79.9	80.2	80.2	80.5	80.5	80.5	80.6	80.6	80.6	80.9
IV 1800	65.5	77.4	78.0	79.1	80.1	80.5	81.1	81.4	81.4	81.7	81.7	81.7	81.7	81.8	81.8	81.8
IV 1500	67.2	79.9	80.7	81.9	83.1	83.5	84.6	85.0	85.0	85.3	85.3	85.3	85.3	85.4	85.4	85.7
IV 1200	67.9	81.7	82.6	84.2	85.5	86.2	87.6	88.2	88.4	88.6	88.6	88.6	88.6	88.8	88.8	88.8
IV 1000	68.0	82.3	83.3	85.0	86.5	87.1	88.5	89.2	89.4	89.7	89.7	89.8	90.0	90.0	90.0	90.2
IV 900	68.0	82.6	83.5	85.3	86.7	87.6	88.9	89.7	90.1	90.4	90.4	90.5	90.6	90.6	90.6	90.9
IV 800	68.0	82.6	83.8	85.7	87.4	88.2	89.7	90.8	91.2	91.4	91.6	91.7	91.8	91.8	91.8	92.1
IV 700	68.0	82.6	83.8	85.7	87.4	88.4	90.2	91.3	91.8	92.1	92.2	92.5	92.6	92.6	92.6	92.9
IV 600	68.0	82.6	83.9	85.9	88.0	89.0	90.9	92.1	92.9	93.7	93.6	93.8	94.0	94.0	94.0	94.2
IV 500	68.0	82.6	83.9	86.1	88.2	89.3	91.2	92.8	93.6	93.8	94.4	94.6	94.8	94.9	94.9	95.3
IV 400	68.0	82.6	83.9	86.1	88.2	89.3	91.3	93.0	94.1	94.5	95.2	95.4	95.6	95.7	95.9	96.5
IV 300	68.0	82.6	83.9	86.1	88.2	89.3	91.3	93.0	94.2	94.8	95.7	96.0	96.3	96.5	96.7	97.6
IV 200	68.0	82.6	83.9	86.1	88.2	89.3	91.3	93.2	94.5	95.3	96.3	96.8	97.2	97.9	98.0	99.1
IV 100	68.0	82.6	83.9	86.1	88.2	89.3	91.3	93.2	94.5	95.3	96.3	96.9	97.3	98.0	98.5	99.9
IV 0	68.0	82.6	83.9	86.1	88.2	89.3	91.3	93.2	94.5	95.3	96.3	96.9	97.3	98.0	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 747

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70, 73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0900-1100

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	37.7	41.2	41.3	41.7	41.8	41.9	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 20000	43.1	47.3	47.4	47.8	47.9	48.0	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 18000	43.2	47.4	47.6	47.9	48.0	48.1	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 16000	43.2	47.4	47.6	47.9	48.0	48.1	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 14000	44.2	48.4	48.6	48.9	49.0	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
IV 12000	46.9	51.6	51.7	52.0	52.1	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
IV 10000	49.4	54.8	54.9	55.3	55.4	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 9000	49.7	55.0	55.1	55.6	55.7	55.8	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 8000	53.2	59.6	59.7	60.1	60.2	60.3	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
IV 7000	54.7	61.3	61.7	62.1	62.3	62.4	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
IV 6000	55.2	62.2	62.6	63.1	63.3	63.6	63.7	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
IV 5000	57.2	64.4	64.9	65.4	65.7	65.9	66.0	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
IV 4500	57.9	65.2	65.8	66.4	66.7	66.9	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
IV 4000	59.8	67.7	68.3	69.0	69.3	69.6	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
IV 3500	61.6	69.8	70.4	71.2	71.6	71.8	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 3000	64.3	73.2	74.1	75.0	75.4	75.8	76.2	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 2500	66.0	75.3	76.4	77.4	78.0	78.3	78.9	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 2000	68.4	79.2	80.4	81.4	82.3	83.0	83.6	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 1800	69.2	80.0	81.4	82.4	83.3	84.2	84.8	85.4	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7
IV 1500	69.6	80.7	82.1	83.1	84.3	85.2	85.8	86.6	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9
IV 1200	70.3	82.4	84.2	85.4	87.7	88.7	89.6	90.3	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7
IV 1000	70.6	82.9	84.8	86.2	88.6	89.7	90.6	91.4	91.7	91.7	91.7	91.9	91.9	92.0	92.0	92.0
IV 900	70.6	83.2	85.2	86.8	89.2	90.4	91.3	92.3	92.7	92.7	92.7	92.9	92.9	93.0	93.0	93.0
IV 800	70.6	83.2	85.4	87.0	89.4	90.7	91.6	92.6	92.9	93.0	93.3	93.3	93.3	93.4	93.4	93.4
IV 700	70.6	83.2	85.6	87.2	89.7	90.9	92.0	93.2	93.6	93.7	94.1	94.1	94.2	94.2	94.2	94.2
IV 600	70.6	83.3	85.8	87.6	90.1	91.4	92.6	93.8	94.6	94.9	95.3	95.3	95.4	95.4	95.4	95.4
IV 500	70.6	83.3	85.8	87.7	90.3	91.7	92.9	94.4	95.2	95.6	96.1	96.1	96.2	96.3	96.3	96.3
IV 400	70.6	83.3	85.8	87.8	90.4	92.1	93.4	95.0	96.0	96.4	97.1	97.2	97.4	97.6	97.6	97.7
IV 300	70.6	83.3	85.8	87.8	90.4	92.1	93.6	95.1	96.1	96.6	97.2	97.3	97.6	97.7	97.8	98.0
IV 200	70.6	83.3	85.8	87.8	90.4	92.1	93.6	95.1	96.2	96.9	97.6	97.7	98.0	98.2	98.9	99.2
IV 100	70.6	83.3	85.8	87.8	90.4	92.1	93.6	95.2	96.3	97.0	97.7	97.8	98.1	98.4	99.3	100.0
IV 0	70.6	83.3	85.8	87.8	90.4	92.1	93.6	95.2	96.3	97.0	97.7	97.8	98.1	98.4	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14713

WESTOVER AFB MA

69-70, 73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

12.0-14.0  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES																		
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅓	≥0					
NO CEILING ≥ 20000	38.9	47.3	47.6	40.6	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	40.7	40.7
IV 18000 16000	46.3	48.2	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 14000 12000	46.6	48.8	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 10000 9000	51.9	54.3	54.7	54.9	54.9	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 8000 7000	55.7	59.0	59.6	59.8	59.8	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 6000 5000	57.6	62.1	62.7	62.9	62.9	63.0	63.0	63.1	63.1	63.1	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 4500 4000	60.1	65.2	65.9	66.1	66.3	66.4	66.4	66.6	66.6	66.6	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 3500 3000	65.4	71.4	72.3	72.6	72.8	73.0	73.1	73.3	73.3	73.3	73.4	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
IV 2500 2000	71.1	77.8	78.8	79.0	79.3	79.6	80.0	80.3	80.3	80.4	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 1800 1500	73.6	81.2	82.3	83.0	83.4	83.7	84.2	84.7	84.7	85.0	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 1200 1000	74.7	83.7	84.7	85.9	87.1	87.7	88.7	89.3	89.7	90.1	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 900 800	75.1	84.1	86.0	87.4	89.0	89.6	90.7	91.6	92.1	92.7	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 700 600	75.1	84.4	86.4	87.9	89.8	90.4	91.8	92.8	93.8	94.3	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 500 400	75.1	84.6	86.7	88.3	90.7	91.3	92.8	93.9	94.9	95.7	96.4	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 300 200	75.1	84.6	86.7	88.3	90.7	91.8	93.4	94.6	95.9	96.8	97.6	98.0	98.4	98.4	98.6	98.6	98.6	98.6	98.6
IV 100 0	75.1	84.6	86.7	88.3	90.7	91.8	93.4	94.7	96.0	97.0	97.8	98.3	99.0	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) JUL 68 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING	41.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥20000	46.5	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥18000	47.0	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥16000	47.0	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥14000	47.4	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥12000	49.4	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	51.7	51.7
≥10000	53.5	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥9000	54.1	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥8000	57.7	60.5	60.7	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.2	61.2	61.2	61.2	61.2
≥7000	59.2	62.1	62.4	62.6	62.6	62.6	62.6	62.7	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9
≥6000	60.4	63.5	63.8	64.1	64.1	64.1	64.3	64.3	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
≥5000	61.7	65.0	65.4	65.6	65.6	65.6	65.8	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥4500	63.6	67.0	67.4	67.6	67.6	67.6	67.9	67.9	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥4000	66.3	70.3	71.1	71.2	71.3	71.3	71.5	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥3500	68.0	72.4	73.2	73.4	73.5	73.7	73.9	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥3000	70.8	76.2	77.1	77.5	77.8	78.0	78.5	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥2500	72.9	78.3	79.2	79.6	79.9	80.1	80.6	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥2000	74.9	80.9	81.8	82.1	82.7	82.9	83.7	84.3	84.4	84.6	84.6	84.7	84.7	84.7	84.7	84.7
≥1800	75.6	81.6	82.6	83.0	83.6	83.8	84.6	85.3	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7
≥1500	76.2	82.5	83.5	84.0	84.6	84.8	85.8	86.6	86.8	87.1	87.1	87.2	87.2	87.2	87.2	87.2
≥1200	76.7	83.3	84.5	85.2	86.2	86.4	87.4	88.2	88.6	89.0	89.0	89.2	89.3	89.4	89.4	89.4
≥1000	76.8	83.7	84.9	85.8	87.2	87.4	88.4	89.6	90.1	90.6	90.7	91.0	91.2	91.3	91.3	91.3
≥900	76.8	83.9	85.2	86.0	87.5	87.7	88.8	90.2	90.6	91.2	91.3	91.5	91.9	92.0	92.0	92.0
≥800	76.8	83.9	85.4	86.5	87.9	88.3	89.4	91.1	91.5	92.3	92.6	92.9	93.2	93.3	93.3	93.3
≥700	76.8	84.2	85.6	86.8	88.4	88.8	90.0	91.9	92.4	93.2	93.6	94.0	94.5	94.6	94.6	94.6
≥600	76.8	84.3	85.9	87.2	88.7	89.2	90.3	92.4	93.1	93.9	94.3	94.6	95.2	95.6	95.6	95.6
≥500	76.8	84.3	85.9	87.3	89.1	89.8	91.0	93.2	94.0	94.9	95.5	95.9	96.5	97.0	97.0	97.0
≥400	76.8	84.3	85.9	87.3	89.2	90.1	91.3	93.5	94.3	95.2	95.9	96.2	97.0	97.5	97.8	97.8
≥300	76.8	84.3	85.9	87.3	89.3	90.2	91.6	94.4	95.2	96.2	96.9	97.2	98.1	98.7	98.9	99.0
≥200	76.8	84.3	85.9	87.3	89.3	90.2	91.6	94.4	95.2	96.3	97.0	97.5	98.4	99.0	99.2	99.6
≥100	76.8	84.3	85.9	87.3	89.3	90.2	91.6	94.4	95.2	96.3	97.0	97.5	98.4	99.0	99.2	99.6
≥0	76.8	84.3	85.9	87.3	89.3	90.2	91.6	94.4	95.2	96.3	97.0	97.5	98.4	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14 703

WESTOVER AFB MA

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	
NO CEILING ≥ 20000	44.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
IV ≥ 18000 16000	48.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
IV 14000 12000	48.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
IV 10000 9000	49.5	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
IV 8000 7000	52.9	56.2	56.2	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
IV 6000 5000	54.1	57.4	57.4	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 4500 4000	55.5	59.3	59.3	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 3500 3000	56.7	60.7	60.8	61.2	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
IV 2500 2000	57.1	61.5	61.6	62.0	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 1800 1500	58.9	63.7	63.8	64.1	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 1200 1000	59.8	64.8	64.9	65.2	65.3	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 900 800	63.4	69.9	70.1	70.5	70.7	70.7	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 700 600	65.5	71.9	72.1	72.6	72.7	72.7	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 500 400	68.2	75.2	75.5	76.0	76.1	76.1	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 300 200	70.0	77.2	77.5	78.0	78.1	78.1	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 100 0	72.2	80.5	80.8	81.6	81.8	81.8	82.2	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0
	72.7	81.0	81.5	82.3	82.5	82.5	82.8	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
	73.4	82.6	83.1	84.8	85.0	85.2	85.9	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
	74.1	83.7	84.3	86.2	86.8	87.0	88.1	89.1	89.2	89.3	89.3	89.4	89.4	89.4	89.5	89.5
	74.0	84.3	85.1	87.1	87.7	87.9	89.1	90.0	90.3	90.5	90.5	90.6	90.6	90.6	90.7	90.7
	74.3	84.5	85.6	87.7	88.3	88.5	89.8	91.1	91.5	91.8	91.8	91.9	91.9	91.9	92.0	92.0
	74.6	85.1	86.1	88.3	88.8	89.1	90.6	91.9	92.3	92.6	92.6	92.7	92.7	92.7	92.8	92.8
	74.6	85.2	86.3	88.5	89.2	89.5	91.2	92.4	92.9	93.1	93.1	93.2	93.2	93.2	93.3	93.3
	74.6	85.3	86.5	88.6	89.3	89.6	91.4	92.8	93.3	93.6	93.6	93.7	93.8	93.8	93.9	94.0
	74.6	85.4	86.6	88.7	89.7	90.1	92.0	93.5	94.0	94.2	94.4	94.5	94.7	94.7	94.8	94.9
	74.6	85.4	86.6	88.7	89.7	90.1	92.2	93.7	94.5	95.1	95.7	96.0	96.4	96.6	96.7	96.8
	74.6	85.4	86.6	88.7	89.7	90.2	92.4	94.5	95.6	96.4	97.2	97.6	98.2	98.6	99.0	99.4
	74.6	85.4	86.6	88.7	89.7	90.2	92.4	94.5	95.6	96.4	97.4	97.9	98.4	98.9	99.2	99.7
	74.6	85.4	86.6	88.7	89.7	90.2	92.4	94.5	95.6	96.4	97.4	97.9	98.4	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 886

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

USE WITH CAUTION  
SEE FIRST PAGE

14703

WESTOVER AFB MA

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.9	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
≥ 20000	45.8	47.7	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
IN 18000	45.8	47.7	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
IV 16000	45.8	47.7	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
IN 14000	46.0	47.8	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
IV 12000	46.5	48.4	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IN 10000	49.3	51.3	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
IV 9000	49.7	51.7	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IN 8000	51.9	54.3	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 7000	53.2	56.0	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IN 6000	54.0	57.0	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 5000	55.5	59.0	59.4	59.5	59.8	59.8	59.8	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IN 4500	56.7	60.5	61.0	61.2	61.4	61.4	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
IV 4000	60.5	64.2	64.8	64.9	65.2	65.2	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IN 3500	63.0	68.3	68.8	69.1	69.4	69.4	69.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 3000	64.7	70.3	71.1	71.6	71.9	71.9	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
IN 2500	66.9	72.8	73.7	74.2	74.5	74.6	74.6	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 2000	69.6	76.2	77.2	77.8	78.4	78.5	78.8	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IN 1800	70.2	77.0	78.0	78.8	79.4	79.6	79.8	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
IV 1500	71.4	79.4	80.6	81.9	82.8	83.1	83.5	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
IN 1200	72.2	80.9	82.1	83.6	85.1	85.6	86.2	86.8	87.2	87.4	87.4	87.4	87.4	87.5	87.5	87.5
IV 1000	72.3	82.1	83.6	85.1	86.8	87.5	88.0	88.7	89.1	89.2	89.2	89.2	89.4	89.4	89.4	89.4
IN 900	72.3	82.7	84.1	85.9	87.6	88.4	89.0	89.8	90.2	90.3	90.3	90.3	90.6	90.7	90.7	90.7
IV 800	72.3	83.2	84.8	86.6	88.3	89.1	89.8	90.7	91.3	91.4	91.4	91.4	91.7	91.8	91.8	91.8
IN 700	72.6	83.7	85.3	87.1	89.0	89.8	90.6	91.7	92.2	92.5	92.6	92.6	92.9	93.0	93.0	93.0
IV 600	72.6	83.7	85.6	87.4	89.4	90.2	91.0	92.3	93.0	93.3	93.4	93.4	93.7	94.1	94.2	94.2
IN 500	72.6	83.7	85.6	87.5	89.5	90.3	91.3	93.1	94.0	94.2	94.4	94.4	94.6	95.0	95.2	95.2
IV 400	72.6	83.7	85.6	87.5	89.7	90.5	91.5	93.5	94.6	95.2	95.4	95.4	95.7	96.6	96.8	96.8
IN 300	72.6	84.0	85.9	87.8	89.9	90.7	92.1	94.1	95.2	95.7	96.1	96.1	96.6	97.6	97.7	97.7
IV 200	72.6	84.0	85.9	87.8	89.9	90.7	92.3	94.5	95.7	96.2	96.8	96.8	97.6	98.5	98.9	99.2
IN 100	72.6	84.0	85.9	87.8	89.9	90.7	92.3	94.5	95.7	96.2	96.9	96.9	97.7	98.7	99.1	99.7
IV 0	72.6	84.0	85.9	87.8	89.9	90.7	92.3	94.5	95.7	96.2	96.9	96.9	97.7	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 744

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

14703

WESTOVER AFB MA

69-70,73-80

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	40.0	42.4	42.6	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
IV 18000 16000	44.7	47.7	47.9	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 14000 12000	45.1	48.1	48.3	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 10000 9000	49.4	52.8	53.0	53.3	53.3	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 8000 7000	52.9	57.1	57.4	57.7	57.7	57.8	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 6000 5000	55.1	60.0	60.4	60.6	60.7	60.8	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 4500 4000	57.7	63.1	63.5	63.8	64.0	64.1	64.2	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
IV 3500 3000	62.5	68.8	69.3	69.9	70.1	70.2	70.4	70.6	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8
IV 2500 2000	67.4	74.6	75.4	75.9	76.4	76.6	76.9	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4
IV 1800 1500	70.3	78.6	79.3	80.3	81.0	81.4	82.0	82.5	82.6	82.8	82.8	82.9	82.9	82.9	82.9	82.9
IV 1200 1000	72.1	81.7	83.0	84.2	85.6	86.2	87.2	88.0	88.2	88.6	88.6	88.7	88.8	88.8	88.8	88.8
IV 900 800	72.4	82.7	84.2	85.8	87.4	88.1	89.2	90.2	90.7	91.0	91.2	91.3	91.4	91.4	91.5	91.5
IV 700 600	72.5	83.1	84.8	86.5	88.2	89.1	90.4	91.8	92.4	92.8	93.1	93.3	93.5	93.5	93.5	93.6
IV 500 400	72.5	83.2	85.1	86.9	88.9	89.8	91.3	93.0	93.8	94.4	94.9	95.1	95.4	95.6	95.6	95.7
IV 300 200	72.5	83.3	85.1	86.9	89.0	90.1	91.8	93.7	94.7	95.6	96.3	96.6	97.2	97.6	97.8	98.1
IV 100 0	72.5	83.3	85.1	86.9	89.0	90.1	91.9	93.9	95.1	96.1	96.8	97.3	98.0	98.5	99.0	99.8

TOTAL NUMBER OF OBSERVATIONS 5955

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

14723

WESTOVER AFB MA

69-70,73-81

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	41.5	46.1	46.9	47.5	48.0	48.2	48.4	48.6	48.6	48.7	48.7	48.7	48.8	48.8	48.8	48.9
≥ 20000	45.6	51.0	52.0	52.6	53.2	53.5	53.7	53.9	53.9	54.0	54.0	54.0	54.1	54.1	54.2	54.3
IV 18000	45.7	51.1	52.1	52.7	53.3	53.6	53.8	54.0	54.0	54.1	54.1	54.2	54.2	54.2	54.3	54.4
IV 16000	45.7	51.2	52.1	52.7	53.4	53.6	53.8	54.0	54.1	54.2	54.2	54.2	54.3	54.3	54.3	54.5
IV 14000	46.1	51.7	52.7	53.3	53.9	54.2	54.4	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.9	55.0
IV 12000	47.5	53.3	54.3	54.9	55.6	55.9	56.1	56.3	56.4	56.4	56.5	56.5	56.5	56.5	56.6	56.7
IV 10000	49.6	56.0	57.0	57.7	58.5	58.7	59.0	59.2	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.7
IV 9000	50.4	56.9	58.0	58.7	59.5	59.8	60.0	60.2	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.7
IV 8000	52.9	60.1	61.3	62.1	62.9	63.2	63.5	63.7	63.8	63.8	63.9	63.9	63.9	64.0	64.0	64.2
IV 7000	54.1	61.7	62.9	63.7	64.6	64.9	65.2	65.4	65.5	65.6	65.6	65.6	65.7	65.7	65.8	65.9
IV 6000	55.1	62.8	64.1	65.0	65.9	66.2	66.5	66.7	66.8	66.9	66.9	66.9	67.0	67.0	67.1	67.2
IV 5000	56.8	65.0	66.4	67.2	68.2	68.5	68.8	69.1	69.2	69.2	69.3	69.3	69.4	69.4	69.5	69.6
IV 4500	58.0	66.4	67.8	68.7	69.6	70.0	70.3	70.6	70.7	70.8	70.8	70.8	70.9	70.9	71.0	71.1
IV 4000	60.2	69.1	70.6	71.6	72.6	73.0	73.4	73.7	73.8	73.8	73.9	73.9	74.0	74.0	74.1	74.2
IV 3500	62.2	71.5	73.0	74.1	75.2	75.6	75.9	76.3	76.3	76.4	76.5	76.5	76.6	76.6	76.7	76.8
IV 3000	64.1	74.0	75.7	76.8	78.0	78.5	78.9	79.2	79.3	79.4	79.5	79.5	79.5	79.6	79.6	79.8
IV 2500	65.5	75.9	77.7	78.9	80.2	80.7	81.1	81.4	81.6	81.7	81.7	81.7	81.8	81.8	81.9	82.0
IV 2000	66.9	78.1	80.0	81.3	82.8	83.3	83.8	84.2	84.4	84.5	84.6	84.6	84.6	84.7	84.7	84.9
IV 1800	67.3	78.7	80.6	82.0	83.5	84.0	84.6	85.0	85.1	85.3	85.3	85.4	85.4	85.4	85.5	85.7
IV 1500	68.0	80.1	82.2	83.7	85.4	86.0	86.6	87.1	87.3	87.4	87.5	87.5	87.6	87.6	87.7	87.8
IV 1200	68.7	81.6	84.0	85.8	87.8	88.5	89.3	89.8	90.0	90.2	90.3	90.3	90.4	90.4	90.5	90.6
IV 1000	68.9	82.3	84.9	86.9	89.1	90.0	90.8	91.4	91.7	91.9	92.0	92.0	92.1	92.1	92.2	92.3
IV 900	69.0	82.6	85.2	87.4	89.6	90.6	91.5	92.1	92.4	92.6	92.7	92.7	92.8	92.8	92.9	93.1
IV 800	69.0	82.8	85.7	87.9	90.4	91.4	92.4	93.1	93.4	93.6	93.8	93.8	93.9	93.9	94.0	94.2
IV 700	69.0	83.0	85.9	88.3	90.9	92.1	93.1	94.0	94.3	94.6	94.7	94.8	94.9	94.9	95.0	95.1
IV 600	69.0	83.1	86.1	88.6	91.4	92.6	93.8	94.8	95.1	95.4	95.6	95.6	95.8	95.8	95.9	96.1
IV 500	69.0	83.1	86.2	88.8	91.8	93.1	94.3	95.5	95.9	96.2	96.4	96.5	96.6	96.7	96.8	97.0
IV 400	69.0	83.2	86.3	88.9	91.9	93.3	94.7	96.0	96.5	96.9	97.2	97.3	97.5	97.6	97.7	97.9
IV 300	69.0	83.2	86.3	88.9	92.0	93.4	94.9	96.4	96.9	97.4	97.8	97.9	98.2	98.3	98.5	98.7
IV 200	69.0	83.2	86.3	88.9	92.0	93.5	95.0	96.5	97.1	97.6	98.1	98.2	98.6	98.8	99.0	99.4
IV 100	69.0	83.2	86.3	88.9	92.0	93.5	95.0	96.5	97.1	97.7	98.1	98.3	98.7	98.9	99.2	99.8
IV 0	69.0	83.2	86.3	88.9	92.0	93.5	95.0	96.5	97.1	97.7	98.2	98.3	98.7	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 72674

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

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APPLICATIONS CENTER

TOTAL SKY COVER

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

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10





2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
PERIOD

MAR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10			
MAR	00-02	23.1			19.2							11.0	46.7	6.2	463
	03-05	21.0			21.0							11.4	46.7	6.3	463
	06-08	11.6			22.3							16.8	49.4	7.1	776
	09-11	8.4			24.1							21.8	45.7	7.3	930
	12-14	7.6			22.3							25.4	44.7	7.4	930
	15-17	6.6			27.8							23.0	42.6	7.2	930
	18-20	12.2			29.7							15.5	42.7	6.6	930
	21-23	23.4			21.2							13.8	42.1	6.0	775
TOTALS		14.2			23.5							17.3	45.1	6.8	6197

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SKY COVER

USE WITH CAUTION  
SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
PERIOD

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	31.5			15.2						11.6	41.7	5.7	448
	03-05	25.0			21.7						9.4	44.0	5.9	448
	06-08	13.6			24.9						19.5	42.0	6.7	766
	09-11	11.3			28.1						20.6	40.0	6.7	900
	12-14	7.6			28.8						26.6	37.1	7.0	900
	15-17	5.1			29.8						26.8	38.3	7.1	900
	18-20	10.2			32.0						20.0	37.8	6.5	900
	21-23	25.9			21.5						15.0	37.7	5.8	727
TOTALS		16.3			25.3						18.7	39.8	6.4	5989



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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

SKY COVER

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
PERIOD

USE WITH CAUTION  
 SEE FIRST PAGE

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	19.3			18.7						17.2	44.8	6.6	466
	03-05	11.9			22.2						21.0	44.9	7.0	463
	06-08	10.1			23.8						22.4	43.7	7.1	923
	09-11	5.5			31.0						24.3	39.2	7.0	929
	12-14	4.6			29.4						29.2	36.8	7.2	930
	15-17	4.1			29.4						29.1	37.4	7.2	930
	18-20	5.0			31.0						21.7	42.3	7.1	929
	21-23	14.3			24.1						20.9	40.8	6.7	623
TOTALS		9.4			26.2						23.2	41.2	7.0	6193



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SKY COVER

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70, 73-80  
PERIOD

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	22.6			19.3						18.7	39.3	6.2	460
	03-05	17.2			19.6						19.4	43.8	6.7	459
	06-08	12.9			25.9						23.6	37.5	6.7	919
	09-11	6.2			34.7						27.5	31.5	6.7	930
	12-14	1.8			37.6						31.9	28.7	6.9	929
	15-17	2.0			34.4						34.4	29.1	7.0	930
	18-20	4.9			33.2						26.7	35.2	6.9	930
	21-23	13.5			33.3						21.1	32.0	6.1	621
TOTALS		10.1			29.8						25.4	34.6	6.7	6178

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

14703 WESTOVER AFB MA STATION NAME

69-70,73-80 PERIOD

USE WITH CAUTION  
 SEE FIRST PAGE

AUG 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	32.8			23.3							13.3	30.7	5.0	460
	03-05	22.7			28.2							13.6	35.6	5.6	450
	06-08	11.3			25.0							23.1	40.7	6.9	915
	09-11	9.3			32.0							26.1	32.6	6.6	926
	12-14	2.9			37.6							28.3	31.2	6.8	930
	15-17	3.1			35.8							31.8	29.3	6.9	922
	18-20	6.5			34.9							27.3	31.3	6.6	926
	21-23	22.4			28.3							19.5	29.8	5.6	625
TOTALS		13.9			30.6							22.9	32.7	6.3	6161



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### SKY COVER

USE WITH CAUTION  
SEE FIRST PAGE

14723 WESTOVER AFB MA  
STATION STATION NAME

69-70.73-80  
PERIOD

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
OCT	00-02	32.2			23.0						14.6	30.2	5.0	460
	03-05	32.2			21.7						12.4	33.7	5.1	460
	06-08	11.9			27.7						20.6	39.8	6.7	904
	09-11	10.3			28.5						24.4	36.7	6.7	929
	12-14	10.2			30.8						28.6	30.4	6.5	930
	15-17	8.5			33.3						26.3	31.8	6.6	930
	18-20	17.9			31.0						19.7	31.4	5.8	929
	21-23	26.7			27.3						13.6	32.4	5.3	633
	TOTALS		18.7			27.9						20.0	33.3	6.0

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SKY COVER

USE WITH CAUTION  
 SEE FIRST PAGE

14703  
STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
PERIOD

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	17.6			16.5						17.9	48.0	6.9	442
	3-05	20.9			17.7						15.5	46.0	6.5	446
	06-08	9.7			25.5						20.4	44.3	7.0	749
	09-11	7.4			24.5						24.3	43.8	7.3	897
	12-14	5.0			25.3						27.2	42.4	7.5	900
	15-17	4.4			26.9						25.9	42.8	7.4	900
	18-20	13.1			21.8						20.4	44.7	7.0	899
	21-23	15.6			20.2						18.3	45.9	6.8	743
	TOTALS	11.7			22.3						21.2	44.7	7.1	5976

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**SKY COVER**

USE WITH CAUTION  
 SEE FIRST PAGE

14723  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-80  
 PERIOD

DEC  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
DEC	00-02	19.1			17.5						15.0	48.4	6.7	440
	3-05	23.4			16.6						14.5	48.5	6.7	441
	6-08	9.1			25.0						18.5	47.4	7.2	747
	09-11	8.2			27.2						23.3	43.2	7.2	900
	12-14	6.0			27.8						22.6	43.7	7.2	900
	15-17	7.2			29.7						19.9	43.4	7.0	896
	18-20	15.9			26.4						14.6	43.2	6.4	886
	21-23	18.2			21.0						15.1	45.8	6.6	743
<b>TOTALS</b>		<b>12.7</b>			<b>23.9</b>						<b>17.9</b>	<b>45.5</b>	<b>6.9</b>	<b>5953</b>

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

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70.73-81  
 PERIOD

ALL  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10			
JAN	ALL	16.3			26.3							17.4	40.0	6.4	6100
FEB		17.8			25.9							17.5	38.9	6.2	5439
MAR		14.2			23.5							17.3	45.1	6.8	6197
APR		16.3			25.3							18.7	39.8	6.4	5989
MAY		9.4			26.2							23.2	41.2	7.0	6193
JUN		9.5			28.5							23.1	38.9	6.8	5977
JUL		10.1			29.8							25.4	34.6	6.7	6178
AUG		13.9			30.6							22.9	32.7	6.3	6161
SEP		14.4			29.7							19.9	36.0	6.3	6117
OCT		18.7			27.9							20.0	33.3	6.0	6175
NOV		11.7			22.3							21.2	44.7	7.1	5976
DEC		12.7			23.9							17.9	45.5	6.9	5953
TOTALS		13.8			26.7							20.4	39.2	6.6	72455

U S AIR FORCE  
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## PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

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

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

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

Continued on Reverse

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

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

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

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

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

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

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

FEDERAL CLIMATOLOGY BRANCH  
 AF AF/TAC  
 AIR WEATHER SERVICE/MAC  
 STATION 3 RESQUER AFB MA STATION NAME

# DAILY TEMPERATURES

41-81

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
10					.2	.2	.1	.1	.1				.2
11						1.4	2.7	2.3	.3				.6
12				.3	1.5	9.5	12.7	9.4	2.7				3.9
13			.1	1.2	6.4	24.0	40.2	29.4	8.8	1.1			9.4
14			.3	3.0	16.0	45.5	7.6	56.5	22.3	4.3	.1		18.9
15			.4	7.9	31.0	67.0	89.5	81.9	43.3	15.7	.2		28.6
16			2.0	14.6	49.2	83.5	97.7	93.9	65.7	23.8	1.7		36.4
17		.5	4.6	26.2	68.6	92.0	99.7	98.3	83.5	42.7	7.2	.1	44.9
18	.4	1.0	6.9	41.5	84.2	97.3	99.8	99.8	94.0	63.1	16.0	1.6	51.3
19	2.3	2.9	16.0	59.5	92.3	99.7	100.0	100.0	98.9	79.8	29.8	5.1	57.6
20	5.0	6.9	29.3	74.3	97.2	100.0			100.0	92.4	48.1	10.3	64.1
21	9.6	15.1	46.8	91.4	99.4					98.2	67.3	19.3	73.9
22	22.4	3.9	67.7	98.0	100.0					99.4	84.5	35.4	78.4
23	44.1	53.9	85.2	99.9						100.0	95.3	57.7	86.5
24	59.3	74.3	94.7	100.0							99.2	76.7	92.6
25	51.0	85.9	98.6								99.8	89.3	96.3
26	7.3	24.8	99.8								100.0	96.2	98.5
27	7.4	25.2	100.0									98.9	99.8
28	19.4	25.0										99.7	99.9
29	39.7	39.9										100.0	100.0
30	100.0												100.0
MEAN	52.5	35.2	44.7	57.8	69.3	78.0	82.6	80.5	73.0	62.7	49.5	36.5	59.6
S.D.	6.681	9.624	10.450	10.725	9.967	8.760	6.330	6.956	8.475	9.355	9.492	9.956	19.961
TOTAL OBS.	1235	1129	1219	1200	1240	1200	1240	1240	1200	1239	1169	1230	14531

CENTRAL CLIMATOLOGY BRANCH  
USAFETAC

AIR WEATHER SERVICE/MAC

STATION WRESTOVER AFB MA STATION NAME

41-81

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
25							.2	.3	.1				.0
24						2.1	7.1	7.1	1.7				1.5
23					.5	12.9	33.5	23.4	7.7	.2			6.6
22				.5	5.2	32.5	61.0	47.3	18.7	2.3	.3		14.2
21			.1	2.2	16.7	56.4	79.8	70.9	35.0	8.2	1.2		22.6
20	.1	.2	.5	6.4	35.0	80.2	94.4	86.7	54.0	18.6	3.8	.2	32.0
19	.7	.3	1.7	15.9	57.6	92.6	99.4	96.4	72.2	32.7	10.6	1.0	40.4
18	3.0	1.0	6.5	35.2	78.0	98.4	100.0	99.3	86.3	50.4	20.4	2.5	46.7
17	6.6	4.6	17.0	58.1	92.0	99.6		99.9	94.9	68.4	36.3	7.7	57.2
16	14.7	9.2	26.5	66.4	94.5	99.8			97.7	76.6	43.5	11.5	61.4
15	27.4	17.3	44.2	87.7	98.5	100.0		100.0	99.1	87.4	59.4	21.1	68.9
14	42.3	31.3	66.7	94.7	100.0				100.0	96.8	79.2	39.2	78.2
13	50.0	48.2	83.0	98.7						99.4	92.5	56.5	95.2
12	59.7	62.3	91.9	99.7						100.0	98.4	70.8	99.2
11	67.5	75.2	96.8	99.9							99.7	82.6	93.7
10	80.8	85.5	98.9	100.0							100.0	90.5	96.5
9	87.8	92.6	99.3									94.4	98.0
8	94.5	96.2	99.8									97.9	99.0
7	97.4	98.8	99.8									99.7	99.6
6	99.7	99.6	100.0									99.9	99.9
5	99.8	100.0										100.0	100.0
4	100.0												100.0
3													
2													
1													
0													
MEAN	15.7	17.7	27.3	36.5	46.1	55.7	60.7	58.5	50.4	40.2	32.1	20.2	38.4
S.D.	8.3141	11.772	8.850	8.107	8.188	7.489	6.609	7.635	9.586	9.496	9.1751	10.306	18.028
TOTAL OBS.	1235	1124	1209	1200	1240	1200	1240	1240	1200	1234	1169	1230	12531

FEDERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/4AC  
 STATION 14773 WESTOVER AFB MA

# DAILY TEMPERATURES

41-81

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
25					.2	3.5	7.3	5.6	1.2				1.5
26				.2	1.5	15.6	31.3	23.0	6.6	.2			6.6
27				.9	7.6	38.0	65.9	51.5	18.2	1.5			15.5
28			.2	3.0	20.6	63.2	90.7	78.9	36.2	6.6	.4		25.3
29			.7	8.3	42.5	83.9	99.1	95.4	59.6	17.2	2.1		34.5
30	.1	.1	2.0	18.8	64.4	96.4	100.0	99.5	80.2	35.2	6.7	.2	42.4
31	.4	.5	6.6	35.5	85.2	99.8		99.9	94.3	58.5	17.7	1.8	50.5
32	1.9	2.3	15.5	59.6	96.7	100.0		100.0	99.0	80.1	31.4	5.0	58.1
33	5.7	8.4	32.6	84.5	99.7				99.9	93.7	53.0	12.4	66.2
34	17.2	22.2	58.6	96.7	100.0				100.0	99.3	77.2	27.3	75.1
35	33.7	41.6	79.4	99.3						100.0	92.0	48.7	83.1
36	51.9	61.5	91.1	99.8							98.6	67.3	89.2
37	68.5	75.3	97.4	100.0							99.7	81.5	93.6
38	83.1	87.2	99.3								100.0	90.6	96.7
39	92.3	94.9	99.7									96.5	98.6
40	96.7	98.6	100.0									99.2	99.5
41	99.1	99.7										99.8	99.9
42	99.8	99.9										100.0	100.0
43	100.0	100.0											100.0
44													
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100													
MEAN	24.5	26.6	36.1	47.3	57.9	67.0	71.8	69.7	61.9	51.6	40.9	28.5	48.7
S.D.	1.277	1.884	3.681	5.209	7.763	10.031	11.341	10.148	8.070	6.150	4.508	3.997	6.506
TOTAL OBS.	1235	1129	1209	1200	1240	1200	1240	1240	1200	1239	1169	1230	14531

FEDERAL CLIMATOLOGY BRANCH  
 METAC  
 AIR WEATHER SERVICE/MAC

**EXTREME VALUES**

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

STATION WESTVILLE AFB MA STATION NAME 41-81 YEARS

—HOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
41				89	93	96	95	9	97	88	73	55	
42	55	46	61	85	87	91	93	85	89	75	71	55	67
43	44	57	58	73	83	90	89	92	91	81	65	51	78
44	53	52	67	73	93	95	95	99	88	85	67	49	99
45	55	45	86	85	80	95	92	92	91	82	72	49	90
46	59	53	92	77	87	93	96	82	87	85	69	64	94
47	58	50	58	75	87	91	91	97	89	86	64	50	97
48	42	53	71	71	84	92	94	89	91	78	71	59	99
49	58	55	73	73	91	94	97	99	83	86	68	59	99
50	55	47	52	76	84	91	91	87	85	85	31	64	91
51	57	57	65	72	89	9	95	91	86	81	65	61	92
52	59	46	69	79	81	102	95	91	89	74	69	51	102
53	51	56	85	78	91	97	97	97	101	82	69	51	101
54	47	52	56	77	82	91	95	88	82	89	67	54	91
55	47	53	67	77	83	89	97	100	84	84	61	43	100
56	48	46	51	77	89	92	89	91	87	85	70	51	99
57	54	55	69	86	87	95	94	93	93	78	67	61	97
58	54	46	56	77	81	87	93	89	86	80	67	41	97
59	57	46	58	77	91	94	91	94	90	83	72	53	96
60	53	57	52	77	84	9	91	91	91	81	53	55	90
61	48	57	71	71	84	93	91	9	93	79	71	51	97
62	44	48	73	92	92	89	91	87	83	82	61	56	97
63	48	45	69	76	87	93	94	97	93	87	71	51	94
64	52	44	75	84	101	96	96	89	89	76	70	61	101
65	46	51	59	77	9	91	95	91	9	77	68	52	95
66	58	53	64	68	85	96	101	91	91	79	68	52	101
67	61	54	67	71	77	96	89	91	93	81	53	50	96
68	45	43	76	81	74	91	95	95	84	81	68	51	95
69	48	42	61	82	88	93	93	93	91	79	54	54	95
70	44	50	56	81	90	9	9	93	91	76	65	61	93
MEAN													
S. D.													
TOTAL OBS.													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
JUL 64

# (AT LEAST ONE DAY LESS THAN 24 OBS)

FEDERAL CLIMATOLOGY BRANCH  
 ETAC  
 METEOROLOGICAL SERVICE/MAC

**EXTREME VALUES**

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

STATION STUYVE AFB MA 41-51 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
71	43	50	61	68	81	92	92	87	80	8	69	55	69
72	39	51	62	70	82	79	88	88	54	71	6	5	73
73	61	52	64	85	81	94	92	97	97	75	71	67	97
74	51	58	71	88	82	94	93	91	83	8	70	61	94
75	58	55	69	73	91	94	95	89	79	84	74	51	89
76	59	67	73	94	84	101	89	92	83	72	57	53	101
77	43	48	83	64	89	80	98	97	89	74	66*	47	92
78	52*	36	53	74	89	87	92	91	7	74	66*	52	92
79	59	48	63	75	94	93	95	9	41	80	74	66	95
80	53	50	63	76	89	94	93	6	94	8	62*	57	95
81	40	65											
82													
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MEAN	52.6	51.8	65.9	78.4	80.6	92.7	93.0	92.1	89.1	8.5	67.0	58.7	69.6
S. D.	6.357	6.192	7.917	8.40	5.398	4.188	2.969	3.721	4.267	4.654	4.711	5.471	7.4
TOTAL OBS.	127	1129	129	123	124	120	124	124	120	127	1169	123	1478

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
 JUL 64

# (AT LEAST ONE DAY LESS THAN 24 OBS)



AF METEOROLOGY BRANCH  
 T/O  
 WASHINGTON SERVICE/MAC

**EXTREME VALUES**

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

STATION W. STEVEN AFB MA STATION NAME 41-1 YEARS

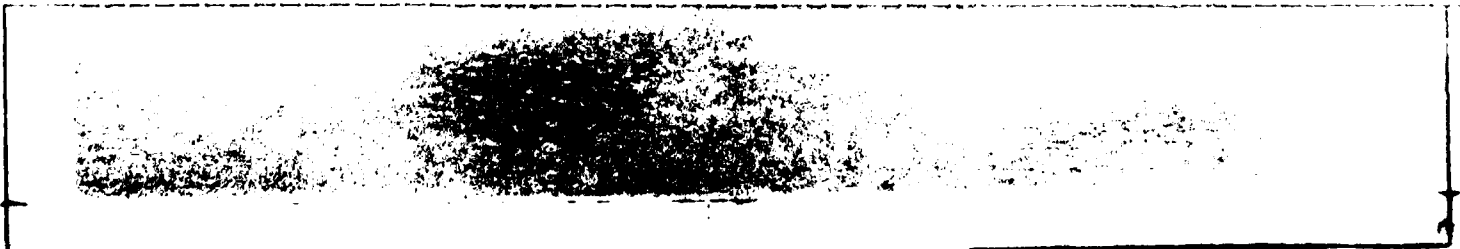
WORLD DEGREES FARENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1941				20	7	4	51	40	28	20	17		
1942	-1	-1	25	20	34	40	45	41	35	22	10	-1	
1943	-2	-18	-1	13	29	40	45	47	36	20	16	-7	
1944	-1	-6	4	23	33	41	49	40	33	24	16	-9	
1945	-11	-6	17	28	31	37	45	45	33	21	13	-1	
1946	-7	-11	7	19	22	37	45	40	30	20	18	-1	
1947		4	17	21	33	44	50	40	26	17	6	-2	
1948	-7	-15	-13	2	21	31	45	47	31	17	16	-2	
1949		0	13	22	34	26	57	45	28	34	16	-7	
1950		-8	-17	13	31	41	47	40	26	21	13	-1	
1951	-4	-4	14	20	33	41	51	45	27	10	4	-1	
1952	-3	9	2	24	22	41	45	50	33	21	12	1	
1953		5	1	31	21	39	5	4	11	21	23	6	
1954	-1	-1	13	13	35	43	48	45	14	2	17	1	
1955		-5	19	17	24	41	57	48	30	19	17	-	
1956		-2	11	21	29	44	41	42	31	24	18	-	
1957	-1	-9	19	21	35	41	46	45	29	21	13	-	
1958		-1	20	22	32	37	47	51	37	21	17	-	
1959		-1	16	26	26	47	53	40	34	20	13	-	
1960		15	9	17	35	41	49	45	19	24	16	-7	
1961	-17	-18	1	25	21	4	47	40	36	27	20	-	
1962		-13	3	12	27	47	45	46	21	23	15	-	
1963	-11	-13	14	21	28	43	44	48	18	21	19	-13	
1964	-14	-9	10	8	28	37	45	37	27	21	13	-7	
1965	-17	-9	2	16	32	24	42	7	17	20	14	1	
1966		-12	13	24	25	35	43	43	31	21	13	-1	
1967		-7	-13	17	28	34	45	40	27	25	14	-2	
1968		1	3	1	25	43	45	41	35	20	19	-2	
1969	-11	-2	8	18	17	40	44	41	33	11		-1	
1970	-17	-5	11	1	32	41	45	45	30	17	15		
MEAN													
S. D.													
TOTAL OBS.													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
 JUL 64

# (AT LEAST ONE DAY LESS THAN 24 HRS)



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

**EXTREME VALUE**

STATISTICAL METHOD

(FROM DAILY OBSERVATIONS)

STATION: STOVILLE AFB MA STATION NAME: STOVILLE AFB MA YEARS: 41-51

WINDS IN DEGREES PER HOUR

MONTH \ YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.
1	-1	-6	15	10	31	37	45	56	57	51	16	7
2	-3	-7	5	12	1	34	45	52	57	11	2	1
3	-4	-5	17	23	33	37	45	47	23	22	14	-1
4	-2	-7	12	17	28	44	44	45	25	11	13	-2
5	-4	-13	13	23	25	35	47	60	71	14	22	-1
6	-4	3	14	24	27	4	4	50	7	1	14	-4
7	-2	0	13	28	34	40	48	41	21	14	23	-4
8	-4	-4	7	29	34	4	4	4	21	19	14	2
9	-4	-9	17	28	41	47	5	40	16	13	20	0
10	-1	8	7	34	4	4	35	2	34	26	17	-2
11	-	0										
12												
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51												
MEAN	-7.1	-4.4	4.7	2.9	31.8	42.0	47.7	49.0	70.3	22.8	13.4	2.0
S. D.	4.8	5.116	6.477	6.678	3.838	4.574	3.267	4.200	7.711	4.211	3.441	1.111
TOTAL OBS.	123	1129	1220	1220	124	120	124	124	124	124	124	124

NOTES \* (BASED ON LISTS THAT FULL REPORT)

USAF ETAC FORM 0-88-5 (OLA)  
 JUL 64

\* (AT LEAST ON ...)



AD-A110 237

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
WESTOVER AFB, CHICOPEE FALLS, MASSACHUSETTS REVISED UNIFORM SUM--ETC(U)  
OCT 81

UNCLASSIFIED

USAFETAC/DS-81/091

SBI-AD-E850 120

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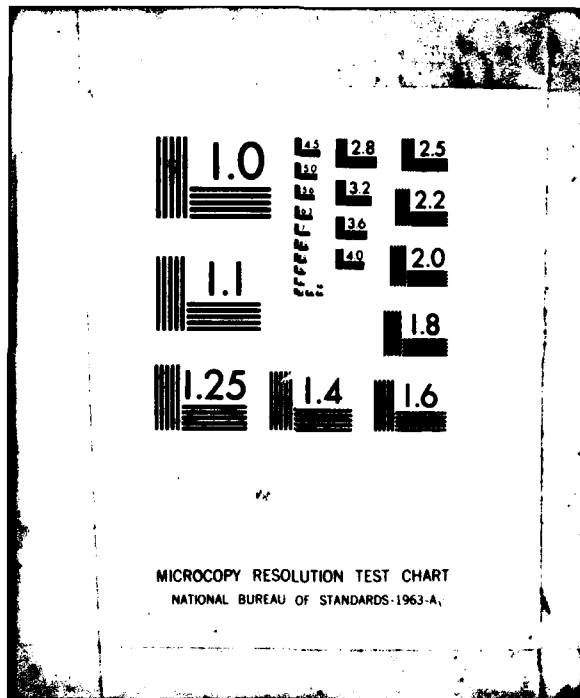
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

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.6	.2	1.9					
2.4	.4	1.1	.2				
2.1	1.3	.2					
3.6	1.1	.2					
3.2	1.9	.4					
2.6	2.4	1.1					
4.3	2.1	.2					
3.0	4.5	.6					
1.9	1.9	.6					
1.7	1.7	.6					
2.1	1.1						
2.4	.6						
3.4	1.1						
2.4	1.7						
3.9	.4						
2.1	.4						
2.6	1.1						
3.4							
1.1							
.6							
1.1							



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

70, 73-76, 80 YEARS

JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point																
51		.9	.2																													5	5			
49		.2	.4																													3	3	4		
47																																			2	5
45																																			2	
43		.2																															1	1	1	
41	.2	.6	.9	.2																												9	9	2	2	
39		2.6	1.7	1.5																												27	27	7	3	
37	.4	1.9	.9	.2																												16	16	14	9	
35	.6	1.9	.4	.6																												17	17	27	9	
33	.2	3.7	1.5	.4																												27	27	17	16	
31		5.4	1.7	.2																												34	34	35	9	
29	.4	4.7	1.5	.6																												34	34	25	29	
27	.2	3.0	3.2	.2																												31	31	32	30	
25		1.9	2.6	.2																												22	22	23	15	
23		1.3	1.3	.9																												16	16	26	18	
21		2.2	1.1																													15	15	22	21	
19	.4	2.6	.9																													18	18	20	12	
17	.4	3.2	.9																													21	21	20	28	
15	.4	3.4	.9																													22	22	19	19	
13		3.0	.9																													18	18	23	23	
11	1.3	1.9																														15	15	23	11	
9	1.1	1.3	.6																													14	14	15	24	
7	.9	2.8	.4																													19	19	13	24	
5	.6	2.2																														13	13	16	17	
3	.9	1.7																														12	12	16	17	
1	1.5																															7	7	13	16	
-1	2.4	.6																														14	14	11	13	
-3	1.3																															6	6	9	19	
-5	1.7																															8	8	8	13	
-7	.6	.2																														4	4	4	8	
-9	1.5																															7	7	7	6	
-11	.9																															4	4	4	7	
-13	.6																															3	3	3	13	
-15	.4																															2	2	2	6	
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	No. Obs.																	Mean No. of Hours with Temperature														
Rel. Hum.																																				Total
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

FORM 0-26-5 (O.L.A.) REVERSED MIRROR EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC JAN 64

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA STATION STATION NAME

70.73-76.80 YEARS

JAN MONTH

PAGE 2 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb	Dew Point
-16/-17	.2																	1	1	1	4
-17/-19																					5
-17/-21																					3
-21/-23																					5
-24/-25																					1
-25/-27																					3
-27/-29																					1
TOTAL	19.4	53.5	21.9	5.2														465	465	465	465

Element (X)	$\Sigma H'$	$\Sigma H$	$\bar{H}$	$\bar{C}_p$	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.						= 60 F	= 62 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	2465864	33132	71.3	15.050	465							93
Dry Bulb	299542	9772	21.0	14.247	465	9.8	72.0					93
Wet Bulb	256792	8930	19.2	13.558	465	9.8	78.0					93
Dew Point	192001	5928	12.7	15.853	465	21.8	88.0					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

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

70-73-81 YEARS

JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
56/ 57	.1	.1																														2	2	1	1		
55/ 55	.1	.1																														2	2	2	2		
54/ 53	.1		.3																												3	3	2	2			
52/ 51	.1	.1																													2	2	1	1			
51/ 49		.4																													3	3	4	1			
50/ 47		.1																													1	1	2	4			
48/ 45																																		1	2		
47/ 43		.4	.5																												7	7	2	2			
42/ 41		.1	.4	.3																											6	6	1	1			
41/ 39		1.4	.7	.5																											20	20	9				
38/ 37	.1	1.3	1.6	.8																											29	29	12	8			
36/ 35	.5	.9	1.3	.8																											27	27	28	9			
34/ 33	.5	4.2	.8	.3																											44	44	33	13			
32/ 31	.3	2.8	2.5	.7																											47	47	46	38			
30/ 29	.1	3.0	2.0	.5																											43	43	32	30			
28/ 27	.3	2.9	2.6	.3																											46	46	48	27			
26/ 25	.1	1.3	2.1	.3																											29	29	38	24			
24/ 23	.3	1.7	1.7	.5																											32	32	39	20			
22/ 21	.7	2.5	1.4	.1																											36	36	41	26			
20/ 19	.5	2.6	2.6																												44	44	35	43			
18/ 17	.5	2.9	1.4																												37	37	41	27			
16/ 15	1.1	4.1	1.8																												53	53	43	44			
14/ 13	.3	2.4	.4																												23	23	50	39			
12/ 11	.4	3.8	.3																												34	34	27	21			
10/ 9	.8	2.1	.3																												24	24	40	30			
8/ 7	.8	3.8	.7																												40	40	25	30			
6/ 5	1.7	2.2																													25	25	46	38			
4/ 3	.5	1.8																													18	18	18	40			
2/ 1	.3	1.8																													16	16	17	47			
0/ -1	1.6	.5																													16	16	21	23			
-2/ -3	1.0	.4																													11	11	13	38			
-4/ -5	.7	.7																													10	10	8	19			
-6/ -7	.9																														7	7	11	9			
-8/ -9	1.7																														13	13	13	11			
Element (X)	Σ <sub>1</sub> <sup>1</sup>		Σ <sub>2</sub>		X	σ <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature																												
Rel. Hum.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 79 F	≤ 80 F	≤ 93 F																							
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM NO. 44 0-26-5 (OL A) AIR WEATHER SERVICE USE PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

70, 73-81 YEARS

JAN MONTH

PAGE 2 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
-10/-11	.5																																4	4	4	19	
-11/-13	.8																																3	3	3	18	
-14/-15	.5																																4	4	4	18	
-16/-17	.3																																2	2	2	7	
-18/-19																																				6	
-20/-21																																				9	
-21/-23																																				7	
-24/-25																																				7	
-26/-27																																				2	
TOTAL	17.2	52.6	25.3	5.0																														763	763	763	

Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	3752747	52173	68.8	15.591	763							
Dry Bulb	888653	15193	19.9	13.661	763	8.5	75.2					93
Wet Bulb	377719	13783	18.0	13.073	763	9.6	81.1					93
Dew Point	276781	8169	10.7	15.767	763	23.5	87.8					93

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 70.73-81 YEARS JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
57 / 57			.1															1	1		
57 / 55		.1																1	1		
54 / 53	.4	.1	.1					.1										7	7	6	5
52 / 51		.3	.1															4	4	3	
51 / 49			.3	.2				.1										6	6	2	4
50 / 47		.1	.7															7	7	3	3
48 / 45		.1	.1	.2	.3													7	7	3	1
48 / 43		.1	.7	.9														15	15	4	2
42 / 41		.2	.5	.5	.1													13	13	12	4
41 / 39		.8	.7	1.1	.2													25	25	12	1
38 / 37	.1	1.6	1.4	.5	.3													37	37	23	11
38 / 35	.3	2.3	1.9	1.2	.1													53	53	35	12
34 / 33	.8	2.2	2.5	1.4	.2													65	65	54	27
32 / 31	.1	2.3	2.2	2.2														62	62	44	41
30 / 29		1.2	3.7	.7	.1													45	45	56	33
28 / 27	.2	2.0	2.9	1.0														55	55	54	31
28 / 25	.3	2.1	1.6	.8														44	44	65	36
28 / 23	.2	1.5	2.1	.7														41	41	49	33
27 / 21	.7	1.6	3.9	.3														60	60	55	26
27 / 19	.3	2.7	5.3	.2														78	78	52	48
25 / 17		2.7	3.8															60	60	71	54
25 / 15		2.7	1.6															40	40	62	42
24 / 13	.4	2.9	1.8															46	46	60	41
21 / 11	.3	2.1	1.4															35	35	44	42
20 / 9		2.2	.9															28	28	32	53
18 / 7	.1	1.9	.7															24	24	39	49
15 / 5	.3	1.4																16	16	22	29
14 / 3	.3	1.5																17	17	17	63
12 / 1	.1	.7																7	7	15	58
11 / -1	.2	.3																5	5	7	31
-2 / -3	.4																	4	4	7	21
-4 / -5	.2	.1																3	3	3	16
-6 / -7	.1																	1	1	1	18
-6 / -9																					19
Element (X)	Σ x <sup>2</sup>		Σ x		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature						Total						
Ref. Num.									≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F							
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 70, 73-81 JAN

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-10/-11																					13
-11/-13																					10
-14/-15																					12
-16/-17																					12
-18/-19																					5
-20/-21																					3
-21/-23																					2
-24/-25																					1
TOTAL	6.1	40.0	39.6	12.6	1.4	.2											912	912	912	912	

Element (X)	Σ X'	Σ X	X	Σ X <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature					Total	
Rel. Hum.	Σ 0 F	Σ 32 F	Σ 67 F	Σ 73 F	Σ 80 F	Σ 93 F						
Rel. Hum.	381788	57089	62.8	116.378	912	1.3	68.8					93
Dry Bulb	660828	22282	28.8	11.800	912	1.8	77.0					93
Wet Bulb	533757	19715	21.8	10.868	912	1.6	85.0					93
Dew Point	330778	11682	12.8	18.288	912							93

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 70,73-81 JAN  
STATION STATION NAME YEARS MONTH

PAGE 1 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															
62/ 61							.2																								2	2			
61/ 59						.1				.1																					2	2			
59/ 57							.2																								2	2			
58/ 55								.1																							1	1			
47/ 53		.3		.1	.2		.1			.1																					7	7			
47/ 51			.1	.1			.2	.1																							4	4	6	3	
50/ 49				.3	.1																										4	4			
43/ 47		.3	.3	.5	.5	.2																									18	18	3		
47/ 45		.4		.2	1.1	.1																									17	17	14	5	
44/ 43		.1	.4	1.3	.8	.2																									26	26	9	4	
42/ 41		.1	.5	1.1	1.1	.1																									27	27	7	4	
40/ 39		.1	1.4	.9	.9	.3																									33	33	19	5	
37/ 37	.1	1.4	1.2	1.2	.3	.1																									40	40	34	7	
36/ 35	.2	2.3	1.5	3.3	1.2	.1																									79	79	53	15	
34/ 33	.5	1.8	1.5	2.1	.5																										59	59	49	24	
32/ 31		1.2	2.6	3.4	1.0																										75	75	55	43	
31/ 29	.1	1.0	2.7	1.6	.5																										55	55	62	36	
28/ 27		1.5	2.7	3.1	.1																										68	68	65	30	
26/ 25	.4	.7	4.3	2.4																											71	71	79	32	
24/ 23	.3	.8	3.7	1.7																											53	53	60	40	
22/ 21	.4	1.2	5.7	.5																											72	73	93	43	
21/ 19	.2	.4	5.7	.3																											61	61	70	52	
16/ 17		1.2	2.5	.1																											35	35	61	32	
16/ 15		.5	3.0																												32	32	52	47	
14/ 13		.7	2.1																												25	25	35	66	
12/ 11		.5	1.1																												15	15	29	48	
10/ 9		.8	1.1																												17	17	21	52	
6/ 7		.2	.3																												5	5	19	39	
6/ 5		.2																													2	2	10	40	
4/ 3		.2																													2	2	2	59	
2/ 1		.2																													2	2	2	55	
0/ -1																																	2	2	28
-2/ -3																																			28
-4/ -5																																			21
Element (X)	Σ x <sup>2</sup>		Σ x		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature										Total																
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																					
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) REVISED PERIODIC SERVICES OF THE FORM AIR OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 70.73-81 JAN  
 STATION STATION NAME YEARS MONTH  
 PAGE 2 1200-1400  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-5/-7																					7
-6/-9																					10
-7/-11																					10
-8/-13																					7
-14/-15																					9
-17/-17																					6
-18/-19																					5
-19/-21																					2
-21/-23																					2
TOTAL	2.4	18.3	44.7	23.7	8.6	1.5	.7	.1										911		911	

Element (X)	$\Sigma$ h'	$\Sigma$ h	$\Sigma$	$\Sigma$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	30733AA	50600	55.5	116.995	911							93
Wet Bulb	AA2976	26186	28.7	10.007	911		60.5					93
Dew Point	4389AA	22538	24.7	9.287	911		73.2					93
	33623A	12668	13.8	13.247	911	13.8	86.2					93

USAFETAC FORM NO. 0-26-5 (O.L.A.) REVISED VARIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA

70-73-81

JAN  
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	= 31	Dry Bulb	Wet Bulb
61/ 61						.1	.1											2	2	
59/ 59						.1	.1											2	2	
57/ 57						.1		.1										2	2	
55/ 55		.1				.2	.1											4	4	
53/ 53		.2	.1	.3		.3												9	9	3
51/ 51	.1		.3			.1												5	5	2
49/ 49	.1		.1			.4	.1	.1										8	8	1
47/ 47		.1	.3	.1	.2	.3	.2											12	12	7
45/ 45				.1	.7	.3												10	10	6
43/ 43		.4	.5	1.2	.4	.2												26	26	5
41/ 41		.2	1.1	1.6	.7													33	33	7
39/ 39		.7	1.2	1.2	.8	.3												38	38	6
37/ 37	.1	1.4	1.0	2.1	.3	.2												47	47	7
35/ 35	.5	1.9	1.8	3.1	.9													74	74	12
33/ 33	.4	.9	1.2	2.9	1.3													61	61	27
31/ 31	.1	1.2	1.6	3.8	1.3													74	74	43
29/ 29	.2	1.1	2.3	2.7	.7													64	64	27
27/ 27	.1	2.0	2.6	3.8	.1													79	79	33
25/ 25	.2	.8	5.3	3.5														89	89	44
23/ 23	.2	1.6	2.5	.7														46	46	27
21/ 21	.3	.4	3.6	1.0														49	49	45
19/ 19		1.0	4.7	.7														58	58	55
17/ 17		1.3	2.9															38	38	34
15/ 15		.4	2.2															24	24	49
13/ 13		.7	1.5															20	20	56
11/ 11		.7	1.5															20	20	62
9/ 9		.2	1.0															11	11	56
7/ 7		.2																2	2	41
5/ 5		.1																1	1	33
3/ 3																				59
1/ 1		.3																3	3	42
-1/ -1																				25
-3/ -3																				34
-5/ -5																				15
Element (X)	$\Sigma x^2$	$\Sigma x$	$\Sigma$	$\Sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/4AC

PSYCHROMETRIC SUMMARY

14703 ESTOVER AFB MA 70.73-81 JAN 1500-1700  
 STATION STATION NAME YEARS MONTH HOURS (L. S. T.)  
 PAGE 2

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
- / -7																						19
- / -9																						7
- / -11																						2
-1 / -13																						2
-1 / -15																						10
-1 / -17																						6
- / -21																						2
- 2 / -23																						1
TOTAL	2.5	18.0	39.5	28.9	7.7	2.6	.5	.2										911	911	911	911	
Element (X)	Σ x <sup>2</sup>		Σ x		x̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total					
Rel. Hum.	2990203		49783		54.6		17.217		911		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb	873877		26752		29.4		9.850		911			59.0					97					
Wet Bulb	655614		22974		25.2		9.153		911			3	71.7				97					
Dew Point	339166		12815		14.3		13.216		911		13.8	85.9					97					

USAFETAC FORM AIR 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 ESTOVER AFB MA STATION STATION NAME

70, 73-81 YEARS

JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.S./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															
57	.3																															3	3	3	3
55		.1																														1	1		
53		.5		.1	.1																										7	7	3	3	
51				.2	.2	.2																									4	4	3		
49			.2			.2																									4	4		3	
47		.2		.1	.2																										5	5	1		
45		.2	.2		.3		.1																								8	8	7	2	
43		.5	.4	.2	.2	.1																									14	14		2	
41		.5	.8	.9	.1																										21	21	13	3	
39	.1	.5	1.6	1.6	.2																										38	38	13	5	
37	.4	1.9	1.5	.9	.2																										45	45	22	11	
35	.1	1.9	1.6	1.1	.2																										45	45	56	18	
33	.4	.9	1.6	1.1	.2																										39	39	51	16	
31	.4	1.9	3.5	2.4	.1																										76	76	33	41	
29	.1	1.6	4.7	2.1	.1																										79	79	49	22	
27		1.4	3.6	2.1	.1																										66	66	56	41	
25		2.0	4.1	1.4																											68	68	75	40	
23	.3	.8	3.1	.8																											45	45	63	23	
21	.7	2.2	4.0	.4																											66	66	74	36	
19	.1	1.0	5.9	.1																											65	65	68	59	
17	.2	1.4	3.5																												47	47	5	31	
15		2.4	2.1																												41	41	73	46	
13		1.9	3.1																												45	45	42	62	
11	.2	1.6	1.3																												29	29	42	66	
9		.4	1.3																												16	16	33	50	
7		.8	.5																												12	12	19	5	
5	.1	.7																													7	7	15	36	
3	.1	.4																													5	5	10	54	
1		1.0																													9	9	6	49	
-1		.1																													1	1	7	20	
-3																																		1	25
-5																																			22
-7																																			19
-9																																			8
Element (X)	Σ X <sup>1</sup>	Σ X	X	X <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM AIR 34 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

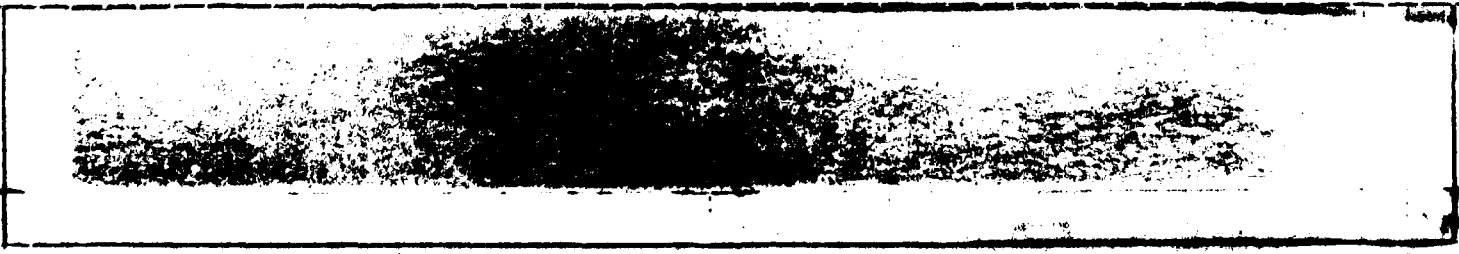
14733 WESTOVER AFB MA 70, 73-81 JAN  
 STATION STATION NAME YEARS MONTH

PAGE 7 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	
- / -11																					10	
-1 / -13																					12	
-1 / -15																					7	
-1 / -17																					9	
-1 / -19																					7	
TOTAL	3.7	29.0	48.8	15.4	2.4	.5	.1										911	911	911	911		

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

Element (X)	$\Sigma X^1$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						= 8 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	3502262	58526	59.9	16.197	911							
Dry Bulb	724067	23913	26.2	10.291	911	.1	69.1					93
Wet Bulb	572173	20981	23.1	9.887	911	.8	75.1					93
Dew Point	332891	12307	13.5	13.532	911	18.2	86.3					93



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**  
 USE WITH CAUTION  
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14703 ESTOVER AFB MA 70.73-81 JAN  
 STATION STATION NAME YEARS 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
57/57	.1	.1	.1															3	3	1	1
56/55		.3																2	2	3	2
54/53			.1															1	1	1	1
52/51			.3			.1												3	3	1	1
51/49		.1			.1													2	2		1
50/47		.1		.1														2	2	3	
48/45		.1		.1	.4													5	5	1	2
47/43		.1	.3	.5														7	7	2	2
42/41		.4	.8	.7														14	14	5	2
41/39		1.2	1.2	.8														21	21	15	1
38/37	.7	1.8	2.3	1.2														46	46	21	10
37/35	.1	2.7	.9	.5														33	33	43	11
34/33	.4	2.3	2.0	1.2	.1													46	46	39	25
32/31	.1	1.3	2.6	.7	.1													37	37	32	32
31/29		2.3	3.8	.7														52	52	25	32
29/27	.1	2.0	4.8	.7														58	58	49	28
27/25	.1	2.6	4.6	1.3														66	66	58	25
24/23	.5	1.7	2.3	.1														36	36	69	25
22/21	.4	2.3	2.3	.1														40	40	59	28
21/19	.3	2.6	4.2	.1														55	55	43	50
18/17	.3	1.2	3.7															39	39	49	23
16/15		3.3	1.0															33	33	42	45
14/13	.3	3.4	1.3															38	38	42	55
12/11	.3	2.3	1.6															32	32	35	40
11/9		2.6	.7															25	25	31	39
9/7	.3	1.7	.1															16	16	29	46
6/5	.3	.9																9	9	17	26
4/3	.8	.8																13	13	13	43
1/1	.3	1.3																12	12	9	41
-1/-1	.9	.8																11	11	17	9
-3/-3	.4	.3																5	5	6	26
-4/-5	.1	.3																2	2	4	26
-5/-7	.1																	1	1	1	16
-8/-9	.3																	1	1	1	9
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.							≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

70-73-81 YEARS

JAN MONTH

PAGE 2 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
-1/-11																					6	
-1/-13																					7	
-1/-15																					10	
-1/-17																					5	
-1/-19																					7	
-1/-21																					3	
-2/-25																					1	
-2/-27																					2	
TOTAL	6.9	42.8	41.0	8.4	.9													766	766	766		

Element (X)	Σ X <sup>2</sup>	Σ X	X̄	s <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	Σ X <sup>2</sup>	Σ X	X̄	s <sub>x</sub>	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3379567	49857	68.6	15.608	766		2.9	70.5				93
Wet Bulb	538772	18368	24.0	11.392	766		3.5	76.6				93
Dew Point	441892	16417	21.4	10.867	766		15.7	85.8				93
	282507	10105	13.2	13.966	766							

USAFETAC FORM 0-20-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 ESTOVER AFB MA 70.73-81 JAN  
 STATION STATION NAME YEARS 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
61						.0	.0											4	4		
59					.0	.0	.0											4	4		
57	.1	.0	.0			.0	.0	.0										13	13	5	5
55	.0	.1	.0		.0	.0	.0											12	12	5	4
53	.1	.2	.1	.1	.0	.1	.0											36	36	15	13
51	.2	.2	.1	.0	.1	.0	.0	.0										31	31	19	7
49	.0	.1	.1	.1	.0	.1	.0	.0										31	31	20	14
47		.1	.1	.2	.1	.1	.0	.0										46	46	24	16
45		.1	.0	.1	.4	.1	.0											50	50	34	15
43		.3	.0	.6	.2	.1	.0											99	99	26	17
41	.0	.3	.7	.9	.3	.0												136	136	48	25
39	.0	1.0	1.1	1.0	.3	.1												221	221	103	22
37	.3	1.7	1.4	1.0	.2	.0												280	280	196	70
35	.3	2.1	1.4	1.5	.4	.0												353	353	309	96
33	.5	2.2	1.6	1.4	.4													367	367	329	166
31	.1	2.1	2.4	2.0	.4													433	433	312	255
29	.1	2.1	2.9	1.3	.2													404	404	347	242
27	.1	2.1	3.4	1.7	.0													442	442	381	247
25	.2	1.6	3.5	1.5														411	411	460	233
23	.3	1.4	2.9	.7														291	291	439	210
21	.5	1.8	3.2	.4														356	357	466	249
19	.2	1.8	4.2	.2														393	393	373	342
17	.2	2.0	2.7	.0														298	298	366	246
15	.2	2.3	1.9															264	264	360	317
13	.2	2.1	1.6															238	238	309	358
11	.3	1.8	1.1															197	197	251	320
9	.2	1.4	.9															152	152	203	326
7	.2	1.6																135	135	180	298
5	.3	1.0																79	79	145	228
3	.4	.9																74	74	88	353
1	.3	.8																66	66	72	313
-1	.7	.2																57	57	79	165
-3	.4	.1																35	35	44	208
-5	.3	.2																30	30	29	139
Element (X)	Σ X <sup>2</sup>		Σ X		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature										TOTAL		
Rel. Num.									≤ 0 F	≤ 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total						
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

70.73-81 YEARS

YEARS

JAN MONTH

PAGE 2

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31		Dry Bulb	Wet Bulb	Dew Point
- / -7	.3	.0																19	19	25	109
- / -9	.4																	23	23	23	83
- / -11	.1																	8	8	8	79
- / -13	.1																	8	8	8	83
- / -15	.1																	6	6	6	78
- / -17	.1																	3	3	3	50
- / -19																					38
- / -21																					24
- 2 / -23																					21
- 2 / -25																					11
- 4 / -27																					7
- 4 / -29																					2
- 7 / -31																					1
TOTAL	7.7	35.9	37.7	14.7	3.2	.7	.2	.0										6105	6106	6105	6105

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

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Num.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	25369722	379386	62.117.181		6105	23.0	538.9					744
Wet Bulb	4708493	152983	25.111.976		6106	27.8	605.9					744
Dew Point	3747936	134916	22.111.205		6105	13.8	686.7					744
	2292934	80166	13.118.254		6105							

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
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14703 WESTOVER AFB MA STATION NAME

70.73-76.78 YEARS

FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	= 31	Dry Bulb	Wet Bulb	Dew Point			
5 / 49		.6																2	2					
4 / 47		.6	.3															3	3	2	1			
4 / 45		.8	.3															4	4	5	1			
4 / 43		.3				.8												4	4	3	5			
3 / 41	.3	.8	.6	.3														7	7	2	2			
4 / 39	.8	.3	.3	.6	.8													10	10	6	6			
3 / 37		.8	1.4	.8		.3												12	12	7	1			
3 / 35		1.7	2.8	1.7														22	22	6	5			
3 / 33	.8	2.0	2.2	1.1														22	22	17	7			
2 / 31	.3	1.1	5.1	.6														25	25	24	7			
3 / 29	.3	2.2	2.8	1.4	.6													26	26	24	4			
2 / 27		2.2	3.1	.3														20	20	26	9			
2 / 25	.3	1.4	3.7	1.4														24	24	24	23			
2 / 23		2.2	1.1	1.4														17	17	19	17			
2 / 21		2.5	4.5															25	25	25	21			
1 / 19		4.5	3.7															29	29	20	20			
1 / 17		3.1	3.9															25	25	34	20			
1 / 15		2.7	1.4															12	12	27	14			
1 / 13	.8	1.4	.6															10	10	17	14			
1 / 11		2.2	2.0															15	15	12	20			
1 / 9		2.5	1.7															15	15	16	24			
1 / 7	.6	2.0																9	9	16	19			
0 / 5	.8	.3																4	4	10	22			
4 / 3	.3	.8																8	8	3	17			
2 / 1		.6																2	2	2	19			
1 / -1	.3	.3																2	2	2	13			
-2 / -3	.3																	1	1	2	6			
-4 / -5	.6	.3																3	3	3	14			
-6 / -7	.6																	2	2	2	6			
-8 / -9																					2			
-1 / -11																					3			
-1 / -13																					6			
-16 / -17																					2			
-14 / -19																					4			
Element (X)	$\Sigma H'$	$\Sigma H$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	$\Sigma$	Mean No. of Hours with Temperature						
Rel. Hum.																		$\pm 0 F$	$\pm 32 F$	$\pm 67 F$	$\pm 73 F$	$\pm 80 F$	$\pm 93 F$	Total
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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





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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

70, 73-76, 78 YEARS

FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24		25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
45/45		.6		.3														3	3	
44/43		1.1		.6	.3													7	7	5
42/41		.6	.3	.3														4	4	2 5
41/39	.3	1.4	.8	1.4														16	16	7 4
39/37		.6	1.1	.3														7	7	9 4
38/35	.6	2.0	2.5	1.1														22	22	9 8
37/33	.6	2.2	.9	1.1														23	23	16 5
36/31	.6	.3	2.5															10	10	19 8
34/29	.6	2.5	2.5	.6	.3													21	21	20 6
32/27	.6	.3	3.1	.6														30	30	19 13
30/25	.3	2.2	2.5															18	18	28 17
29/23	.3	2.5	3.6	.3														24	24	24 23
28/21	.3	3.4	1.7	.6														20	20	16 12
27/19	.3	2.5	3.1	.3														22	22	28 19
26/17		3.4	1.4															17	17	22 20
25/15		2.5	2.0															16	16	20 15
24/13		2.5	2.5															18	18	12 21
23/11	.6	1.7	.3															9	9	21 15
21/9	1.7	3.6	1.7															25	25	20 19
20/7		2.5																9	9	17 21
19/5	.6	.8																5	5	9 18
18/3	1.4	1.1																9	9	12 10
17/1		1.7																6	6	1 14
16/-1	1.7																	6	6	11 20
15/-3	1.4	.6																7	7	7 11
14/-5	.3																	1	1	1 10
13/-7																				14
12/-9	.6																	2	2	2 3
11/-11																				6
10/-13																				6
9/-15																				3
8/-17																				2
7/-19																				5
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.					Mean No. of Hours with Temperature										
Rel. Hum.					± 10 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WFOSTOVER AFB MA STATION NAME

70, 73-76, 78 YEARS

YEARS

FEB MONTH

PAGE 2 0300-0540 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	11.2	46.8	34.2	7.3	.6													357	357	357	
Element (X)	Z <sub>R</sub>	Z <sub>R</sub>	X	° <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	1677932	23836	66.8	15.608	357	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb	225486	7934	22.2	11.751	357	3.8	68.7					84									
Wet Bulb	186200	7120	19.9	11.182	357	4.9	72.7					84									
Dew Point	120860	6306	12.3	13.688	357	18.8	77.9					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**  
 USE WITH CAUTION  
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14703 ESTOVER AFB MA 70, 73-81 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
4/ 53		.6	.1															5	5		
2/ 51		.7																5	5	9	5
5/ 49																				1	4
4/ 47					.1													1	1		1
4/ 45		.3		.1														3	3		
4/ 43		.3		.3	.1													5	5	4	
2/ 41		1.0	.3	.4	.1													13	13	2	4
4/ 39	.4	1.5		.9														19	19	14	7
3/ 37	.3	1.2	1.3	.4														22	22	14	9
3/ 35	.7	1.9	2.1	1.0														39	39	19	12
3/ 33	.3	2.8	2.5	.9														44	44	36	7
2/ 31	.1	2.1	.9	.4														24	24	35	25
3/ 29		1.8	1.5	.7														27	27	41	13
2/ 27		4.1	2.2	.3														45	45	18	27
2/ 25		2.5	3.7	.3														44	44	46	26
2/ 23		2.2	2.5	.1														33	33	38	26
2/ 21	.4	3.1	3.5	.1														49	49	55	21
2/ 19	1.0	3.1	2.3	.3														46	46	48	36
4/ 17		2.2	1.9															28	28	38	46
1/ 15		2.1	1.6															25	25	26	31
1/ 13	.1	3.7	1.8															38	38	33	31
1/ 11	.3	3.2	.9															30	30	33	28
1/ 9	.6	4.0	.9															37	37	40	33
8/ 7	.3	2.1	.1															17	17	35	31
6/ 5	.3	1.2																10	10	18	32
4/ 3	.3	2.8																21	21	13	26
2/ 1	.4	1.9																16	16	27	31
1/ -1	1.0	.8																10	10	12	30
-2/ -3	.9	.7																11	11	10	20
-4/ -5	.6	.6																8	8	7	21
-6/ -7	.3																	2	2	5	23
-8/ -9	.3																	2	2	2	9
-10/ -11	.1																	1	1	1	16
-12/ -13	.1																	1	1	1	11
Element (X)	Σ X'	Σ X	X	C <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature															
Rel. Num.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 0-26-5 (OL A) REVISION 10-65 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
 USAFETAC



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 70.73-81 FEB 1990-1160  
 STATION STATION NAME YEARS MONTH HOURS (L. S. T.)

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
27/ 61									.1									1	1		
27/ 59						.1	.1											2	2		
27/ 57		.2				.1	.1											4	4	2	1
57/ 55		.1	.1															2	2	1	2
47/ 53		1.2	.1	.1			.1											13	13	2	1
27/ 51		.1		.1	.1													3	3	11	8
57/ 49		.1	.1			.1	.4											6	6	2	3
47/ 47		.2	.4	.6	.2	.1												13	13	5	1
47/ 45		.5	.2	.1	.2	.1												10	10	7	5
47/ 43		.5	.1	.9	.1	.1												15	15	11	5
27/ 41		.9	.7	1.1	.9													31	31	11	6
47/ 39		1.3	.5	1.5	1.3													39	39	15	9
37/ 37	.1	1.9	1.8	2.1														49	49	27	5
37/ 35	.1	1.2	1.3	1.8	.5													40	40	38	14
37/ 33	.1	1.9	1.7	1.8	.9													54	54	58	24
27/ 31	.1	1.5	2.4	2.5	.7													61	61	48	31
27/ 29		1.2	3.7	2.4	.1													62	62	42	27
27/ 27	.1	1.7	2.8	3.1														65	65	51	25
67/ 25		1.5	3.1	1.9														54	54	76	36
24/ 23		1.1	2.0	.9														34	34	76	32
27/ 21	.1	1.7	4.2	1.1														59	59	49	50
77/ 19	.1	1.5	3.9	.5														51	51	56	43
137/ 17	.1	1.7	3.4	.1														45	45	60	36
187/ 15		1.1	2.4															29	29	44	50
147/ 13		1.3	2.1															29	29	41	45
127/ 11		1.2	.7															16	16	26	27
77/ 9	.2	1.1	.9															19	19	27	49
67/ 7		1.2	.4															13	13	15	57
67/ 5		.7																6	6	17	34
47/ 3		1.1																9	9	7	45
27/ 1		.8																7	7	10	33
77/ -1	.1	.1																2	2	8	27
-77/ -3																					14
-37/ -5																					27
Element (X)	Σ X'	Σ X	X	C <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

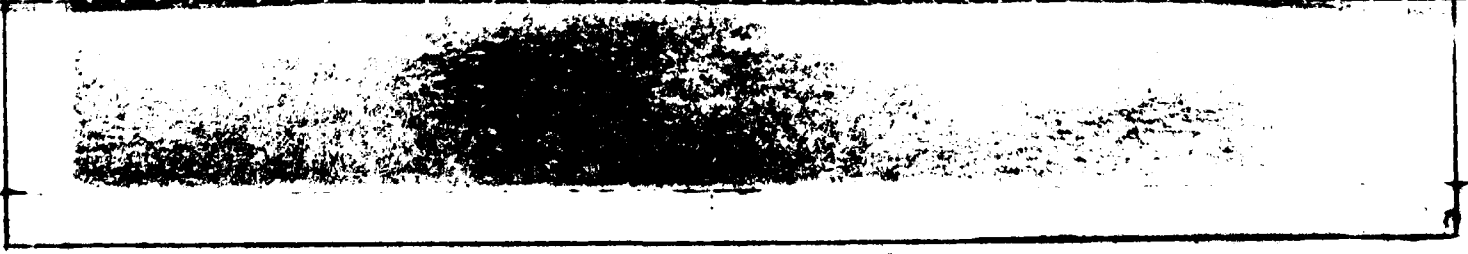
14703 STATION ESTOVER AFB MA STATION NAME 73, 73-81 YEARS FEE MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
- / -7																						11
- / -9																						11
- / -11																						8
-1 / -13																						6
-1 / -15																						16
- / -17																						5
- / -19																						7
- / -21																						5
- 2 / -23																						2
TOTAL	1.3	30.6	38.8	22.5	5.5	.8	.4	.1										843	843		843	

Element (X)	Z <sub>g</sub> '	Z <sub>x</sub>	X	σ <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3081472	48898	58.0	17.063	843	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	757658	23442	27.8	11.209	843	.2	55.9					64
Wet Bulb	590798	20436	24.2	10.643	843	.8	65.1					64
Dew Point	349480	11922	14.3	10.657	843	13.9	75.6					24

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

14703 WESTOVER AFB MA STATION NAME

70, 73-81 YEARS

FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
67/67									.1									1	1		
67/65									.1									2	2		
64/63						.2												2	2		
62/61		.2		.2														4	4		
61/59		.1	.1						.1	.2	.1	.1						7	7	3	1
61/57		.1	.1	.1	.1	.4												7	7		2
59/55		.1	.1	.1														3	3	4	
59/53		.5						.4										7	7	9	6
57/51		.5	.1			.7												11	11	3	4
57/49						.6												11	11	8	3
47/47		.1	.5	.4	.4	.5	.2											17	17	4	3
47/45		.5		.9	1.5	1.1												34	34	5	3
47/43		.4	.1	1.4	2.1	.9												42	42	8	5
47/41		.6	.6	1.7	1.8	.1	.2											42	42	37	5
47/39		1.3	.6	2.3	2.7	.2	.1											55	55	18	11
37/37		1.2	.7	2.3	1.9	.1												52	52	51	1
37/35		1.8	.6	2.7	2.4	.5												67	67	62	9
37/33		1.1	1.5	2.8	2.3	.2												67	67	66	38
27/31		.8	.8	4.2	1.7													63	63	53	24
27/29		1.2	1.7	4.2	.6													64	64	53	27
27/27		.9	1.4	4.5														58	58	73	41
27/25		.8	1.2	3.3														45	45	75	39
24/23		.1	1.5	2.7														37	37	67	37
27/21		.7	2.0	1.7														37	37	52	52
27/19		.6	2.7	.9														36	36	60	38
27/17		.5	1.1	.4														16	16	34	47
17/15		.4	1.8															18	18	35	51
14/13			1.3															11	11	18	48
17/11		.2	1.1															11	11	15	33
27/9		.1	1.1															10	10	13	34
27/7		.1	.5															5	5	14	49
27/5		.1																1	1	6	31
27/3																				4	40
27/1																					44
Element (X)	Z <sub>g</sub> '	Z <sub>g</sub>	I	e <sub>h</sub>	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 ESTOVER AFB MA 70, 73-81 YEARS FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
/ -1																					34			
/ -3																					17			
-4 / -5																					16			
- / -7																					7			
- / -9																					4			
- / -11																					14			
-1 / -13																					8			
-1 / -15																					4			
- / -17																					7			
- / -19																					4			
- / -21																					2			
TOTAL	15	123	336	817	4	5	6	1	2	2	2							843		843				
																		843		843				
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.												Mean No. of Hours with Temperature							
Ref. Num.	2420490	42758	50.717	291	843												$\leq 0 F$	$\leq 32 F$	$= 67 F$	$= 73 F$	$= 80 F$	$= 93 F$	Total	
Dry Bulb	1003100	27640	32.810	725	843													41.1	1					84
Wet Bulb	727161	23327	27.79	849	843													57.0						84
Dew Point	367679	12989	15.818	106	843												11.7	78.9						84

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 70,73-81 FEB 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						
67/65							.2		.2									4	4								
64/63					.1				.1									2	2								
62/61		.1		.1	.1													3	3								
57/59		.2	.1			.2	.1	.1										7	7	3	3						
57/57		.1	.2		.2	.1	.1			.1								8	8								
57/55		.1	.1				.1			.1								4	4	5							
47/53		.4	.1			.1	.4			.1								9	9	8	4						
47/51				.1	.1	.5	.1											7	7	3	6						
57/49		.4	.2		.5	.4												12	12	9	2						
47/47		.6		.1	.9	1.4	.1											27	27	7	3						
47/45		.2	.4	.6	.6	1.8	.1											31	31	5	7						
47/43		.5	.5	1.3	1.7	1.4	.1	.2										48	48	10	2						
42/41	.1	.8	.6	2.3	2.3	.7	.1											58	58	23	8						
47/39		.1	2.0	1.5	1.8	.4												49	49	29	8						
37/37		1.2	1.3	2.5	1.7	.5												60	60	51	8						
37/35		1.2	1.1	2.6	3.1	1.2												77	77	69	9						
34/33	.1	1.3	.1	3.9	2.8	.2												72	72	76	26						
27/31	.1	1.2	.8	3.3	1.5													59	59	52	42						
27/29		.5	.8	3.6	1.3													52	52	51	27						
27/27		.8	.7	4.7	.1													54	54	82	38						
26/25			.6	2.8														29	29	63	38						
24/23		.4	.8	2.7														33	33	58	37						
27/21	.4	1.1	2.5	2.6														55	55	58	31						
27/19	.1	.1	1.3	1.5														26	26	46	60						
18/17		.6	.8	1.2														22	22	52	45						
17/15		.5	.6															9	9	30	48						
14/13			.8															7	7	21	35						
17/11			.9															8	8	7	46						
7/9		.4	.6															8	8	6	33						
7/7		.1																1	1	13	39						
67/5		.1																1	1	4	38						
47/3		.1																1	1	1	39						
37/1																				1	42						
7/-1																					31						
Element (X)	Σ X'		Σ X		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature																		
Rel. Hum.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									Total				
Dry Bulb																											
Wet Bulb																											
Dew Point																											

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

70,73-81 YEARS

FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	O.S./W.B.	Dry Bulb	Wet Bulb	Dew Point	
60/ 61									.1									1	1			
59/ 59		.2																2	2	2	1	
58/ 57		.1	.4			.1			.1									6	6	1	2	
57/ 55		.1	.2				.1	.1										5	5			
56/ 53		.5	.1	.1	.1			.1										8	8	9	3	
55/ 51		.4	.2	.4	.1													9	9	2	5	
54/ 49		.2			.1			.1	.1									5	5	5	2	
53/ 47		.4	.1	.4	.8	.1												15	15	5	7	
49/ 45		.4	.2	.6	1.0	.4												21	21	13	3	
47/ 43		.6	.4	.5	.1	.5												17	17	4	5	
42/ 41	.2	.4	.4	1.3	.5	.1												24	24	17	3	
41/ 39		1.1	1.4	1.9	1.2	.1												48	48	18	8	
39/ 37		1.7	1.9	2.5	.6	.4												59	59	28	10	
36/ 35	.1	1.3	2.4	3.4	.4													64	64	45	12	
34/ 33		1.2	1.8	2.7	1.2													58	58	61	19	
32/ 31	.4	1.3	2.5	4.9	1.3													87	87	56	39	
31/ 29		.8	3.0	3.2	.2													61	61	63	24	
28/ 27		1.2	2.1	3.2	.1													56	56	55	41	
26/ 25		.2	3.3	1.9														46	46	86	35	
24/ 23		.7	2.4	1.5														39	39	62	27	
22/ 21	.1	1.0	3.3	1.2														47	47	62	44	
21/ 19	.4	1.0	4.8	1.1														60	60	54	66	
18/ 17	.2	.6	2.9	.2														30	30	49	21	
16/ 15		1.0	1.5	.1														22	22	54	48	
14/ 13	.1	.5	1.3															16	16	28	42	
12/ 11		.5	1.0															12	12	16	55	
11/ 9	.2	.4	.7															11	11	17	48	
9/ 7		.2	.4															5	5	14	47	
6/ 5																				7	36	
4/ 3		.1																6	6	1	30	
2/ 1		.1																1	1	6	37	
1/ -1																				1	32	
-2/ -3																					16	
-4/ -5																					13	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature															
Rel. Hum.							$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total									
Dry Bulb																						
Wet Bulb																						
Dew Point																						

USAFETAC FORM 0-26-5 (OL-A) REVERSE NECESSARY EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

70.73-81 YEARS

FEB 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				
-1/-7																								17
-1/-9																								13
-1/-11																								6
-1/-13																								8
-1/-15																								1
-1/-17																								7
-1/-19																								5
-1/-21																								3
TOTAL	1.8	18.5	38.3	31.2	7.8	1.7	.4	.2	.1												841	841	841	
																						841	841	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.		Mean No. of Hours with Temperature							Total										
Rel. Hum.	2818566	86876	55.317	119	841		$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total											
Dry Bulb	857103	25399	30.210	353	841			49.8					64											
Wet Bulb	650747	21877	26.0	9.860	841		.1	63.0					64											
Dew Point	359732	12258	15.218	068	841		12.1	76.0					64											

USAFETAC FORM 0-26-5 (OL A) REVISI REVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

STATION 14703 WESTOVER AFB MA STATION NAME 70.73-81 YEARS FEB 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
57/57		.1																1	1		
56/55		.1																1	1	2	2
54/53		.3	.1															3	3	2	1
52/51	.3	.3	.3	.3				.1										9	9	3	3
51/49		.4		.1														4	4	5	3
50/47		.7	.4			.1												9	9	3	3
48/45		.4			.3	.1												6	6	9	6
46/43		.6	.7	.9	.6													19	19	7	3
42/41	.4	.1	.6	1.0	.6													19	19	5	5
41/39		1.2	1.3	1.6														28	28	8	8
38/37		1.8	.7	1.5	.1	.4												31	31	30	2
36/35	.1	.7	3.0	2.5														43	43	29	20
34/33	.1	1.9	2.1	1.3														37	37	30	11
32/31	.4	2.4	3.0	2.2														54	54	42	23
31/29		2.1	3.7	1.6	.9													56	56	48	23
29/27	.1	1.2	3.3	2.4	.1													48	48	50	20
28/25		.9	3.7	.6														35	35	44	30
26/23		1.3	3.1	.3														32	32	53	29
22/21	.1	.9	4.6	.4														41	41	48	40
21/19		3.3	7.1															70	70	41	43
18/17		1.6	2.8															30	30	53	27
16/15	.3	1.5	1.6	.1														24	24	56	22
14/13		.7	1.5															15	15	23	37
12/11		1.9	.7															18	18	16	46
11/9	.4	1.3	.9															18	18	27	32
10/7		.4	.3															5	5	17	42
6/5	.3	.9																8	8	8	30
4/3	.1	.6																5	5	6	35
2/1	.1	.4																4	4	5	28
1/-1	.1																	1	1	4	30
-2/-3	.1	.1																2	2	1	15
-4/-5																				1	18
-5/-7																					6
-8/-9																					6
Element (X)	ΣX <sup>2</sup>		ΣX		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature						Total						
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 47 F	≥ 73 F	≥ 80 F	≥ 92 F							
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

USE WITH CAUTION  
SEE FIRST PAGE

14703 STATION WESTOVER AFB MA STATION NAME 70.73-81 YEARS FF6 MONTH

PAGE 2 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
- / -11																					2
-1 / -13																					2
-14 / -15																					5
-16 / -17																					7
-18 / -19																					4
-20 / -21																					1
TOTAL	3.4	30.5	45.6	17.0	2.8	.7												676	676	676	

Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	2667645	80987	60.6	16.845	676							
Dry Bulb	580136	18432	27.3	10.720	676	.8	57.9					84
Wet Bulb	461990	16238	24.0	10.328	676	.7	67.5					84
Dew Point	278510	9968	14.7	13.965	676	12.7	75.7					84

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 ESTOVER AFB MA 70, 73-81 YEARS FEB 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
60/ 67									.0									1	1		
61/ 65							.1		.1									6	6		
64/ 63					.0	.0			.0									4	4		
62/ 61		.1		.1	.0				.0									9	9		
61/ 59		.1	.0		.0	.0	.1	.1	.0	.0								18	18	8	5
60/ 57		.1	.1	.0	.1	.1	.0	.0	.0	.0								26	26	3	5
56/ 55		.1	.1	.0	.0	.0	.0	.0	.0	.0								15	15	12	4
47/ 53		.5	.1	.0	.0	.0	.1	.0	.0	.0								45	45	30	15
52/ 51	.0	.3	.1	.1	.1	.2	.0											44	44	31	31
51/ 49		.2	.1	.0	.2	.2	.0	.0										40	40	30	17
48/ 47		.3	.2	.2	.4	.3	.1											85	85	26	19
46/ 45		.4	.1	.4	.6	.5	.0											112	112	44	25
44/ 43		.5	.3	.8	.8	.5	.0	.0										157	157	52	25
42/ 41	.1	.7	.5	1.2	.9	.1	.1											198	198	92	38
40/ 39	.2	1.0	.9	1.6	1.0	.1	.0											264	264	115	61
38/ 37	.1	1.4	1.3	1.7	.7	.2												292	292	217	40
36/ 35	.2	1.4	1.8	2.3	1.0	.3												374	374	277	89
34/ 33	.2	1.7	1.7	2.2	1.1	.1												377	377	360	137
32/ 31	.2	1.4	2.0	2.7	.8													363	383	329	203
30/ 29	.0	1.4	2.4	2.5	.5													369	369	342	151
28/ 27	.1	1.8	2.2	2.8	.1													376	376	374	214
26/ 25	.0	1.1	2.6	1.7														295	295	442	244
24/ 23	.0	1.1	2.1	1.4														249	249	397	228
22/ 21	.2	1.6	3.3	1.1														333	333	365	271
20/ 19	.2	1.7	3.6	.7														340	340	353	325
18/ 17	.1	1.6	2.3	.3														213	213	342	262
16/ 15	.0	1.2	1.6	.0														155	155	292	279
14/ 13	.1	1.1	1.5															188	188	193	273
12/ 11	.1	1.2	.9															119	119	146	270
10/ 9	.1	1.4	1.0															183	183	166	272
8/ 7	.1	.9	.2															64	64	141	305
6/ 5	.2	.5																35	35	79	241
4/ 3	.2	.8																55	55	47	242
2/ 1	.1	.6																36	36	52	248
Element (X)	Σ X'	Σ X	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14703 ESTOVER AFB MA 70.73-81 YEARS FEB MONTH

PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	=31	Dry Bulb	Wet Bulb	Dew Point					
/ -1	.3	.1																			21	21	38	217	
-1 / -3	.2	.1																			21	21	20	120	
-4 / -5	.1	.1																			12	12	12	132	
-7 / -7	.1																				4	4	7	97	
-9 / -9	.1																				4	4	4	58	
-11 / -11	.1																				1	1	1	68	
-13 / -13	.1																				1	1	1	54	
-15 / -15																								47	
-17 / -17																								41	
-19 / -19																								43	
-21 / -21																								18	
-23 / -23																								5	
-25 / -25																								1	
TOTAL	3.4	28.7	32.7	23.9	8.3	2.7	.5	.1	.2	.1													5440	5440	5440
																						5440		5440	

Element (X)	Σ H'	Σ H	Σ I	Σ S	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≤ 93 F
Rel. Hum.	19729685	312629	57.5	18.005	5880							
Dry Bulb	5158268	158768	28.4	11.788	5880	7.9	416.7	.1				672
Wet Bulb	3938888	133892	24.4	10.839	5880	10.3	511.8					672
Dew Point	2221978	77788	18.3	18.282	5880	11.3	608.9					672

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

USE WITH CAUTION  
 SEE FIRST PAGE

14703 ESTOVER AFB MA STATION NAME

69-70, 73-75 YEARS

MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
57				.2	.4													3	3		
55		.4																2	2		
53		.2																1	1	3	
51																				2	3
49		.2																1	1	1	
47	.2	.2	.4				.2	.2										6	6	3	2
45		.9	1.1	.4			.2											12	12		2
43	1.3	.4		1.3	.2													15	15	14	8
41		.9	.6	1.3														13	13	7	5
39	.9	2.2	.6	1.9	.4													28	28	13	14
37	1.7	3.0	.4	1.5														31	31	29	8
35	1.3	2.2	4.1	2.2	.6													48	48	29	19
33	.6	4.1	5.6	2.8	.4													63	63	28	19
31	.9	4.1	4.1	1.1	.2													48	48	60	21
29	.4	3.4	4.3	2.2														48	48	56	32
27		3.0	3.0	.9														32	32	49	21
25		3.4	4.9	.2														40	40	46	35
23		3.4	2.2	.4														28	28	36	46
21		.4	1.1	1.1														12	12	35	27
19		.9	1.7	.2														13	13	10	39
17		1.1	1.7															13	13	16	29
15	.2	.4	.2															4	4	16	27
13		.4																2	2	9	26
11																		2	2	3	19
9																					20
7																					10
5																					8
3																					8
1																					6
-1																					5
-3																					1
-5																					5
-7																					5
TOTAL	8.0	35.3	36.1	17.6	2.4	.4	.2											465	465	465	465
Element (X)	Σg'		Σg		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	2367230		32228		69	316	968	465	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb	498893		14813		31.9	7.6	30	465		48.8					93						
Wet Bulb	415874		13454		28.9	7.5	72	465		67.2					93						
Dew Point	288378		10358		22.6	10.7	53	465	2.2	77.0					93						

FORM 0-26-5 (O.L.A.) REVISED NOVEMBER 1965 OF THE FORM AIR OBSOLETE  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

69-70, 73-75 YEARS

YEARS

MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
57					.6													3	3			
53		.6																3	3			
51																				3	3	
49	.2		.2															2	2	4	1	
47	.4			.2														3	3	2	2	
45	.4		.4	.2				.4										7	7	3	2	
43	.9		.4				.2											7	7	5	7	
41	.4	.6	1.1															10	10	6	3	
39	.6	2.0	1.1	.6														24	24	14	4	
37	1.5	2.6	1.7	1.1	.2													33	33	25	15	
35	2.4	3.0	2.4	1.9														45	45	27	28	
33	.4	4.5	3.7	1.7	.6													51	51	29	11	
31	.2	3.4	3.9	2.2														45	45	53	21	
29	1.1	4.1	3.9	1.1														47	47	46	32	
27	.4	4.9	2.4	2.2														46	46	46	25	
25	.2	3.2	3.9	.2														35	35	47	33	
23	.9	1.9	1.7															21	21	37	31	
21	.4	4.9	1.3	.9														33	33	38	34	
19		.9	1.5	.2														12	12	24	33	
17	.4	1.5	1.5	.2														17	17	13	37	
15		1.9	.9															13	13	29	23	
13		.6	.4															5	5	14	31	
11																				5	17	
9	.2																	1	1	2	19	
7	.2																	1	1	1	16	
5	.2																	1	1	1	4	
3																					9	
1																					7	
-1																					6	
-3																					2	
-5																					1	
-7																					4	
-9																					1	
-11																					1	
Element (X)	Σ X'		Σ X		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature											TOTAL		
Rel. Hum.									≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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

2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

69-70,73-75 YEARS

MAR MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	Dry Bulb	Wet Bulb	Dew Point				
TOTAL	11.6	41.3	32.3	12.7	1.5		.6											465	465	465				
Element (X)	$\Sigma X^1$	$\Sigma X^2$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total													
Rel. Hum.	2529329	33196	71.8	16.793	465	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	93												
Dry Bulb	456726	14090	30.3	8.012	465		55.4					93												
Wet Bulb	388724	12924	27.8	7.976	465		69.4					93												
Dew Point	278874	10082	21.7	11.013	465	3.0	77.8					93												

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

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

USE WITH CAUTION  
 SEE FIRST PAGE

1-7-73 ESTOVER AFB MA 69-70, 73-80 YEARS MAR MONTH

PAGE 1 0601-08-73 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
59				.3														2	2			
57					.1													1	1			
55		.1		.1														2	2			
53		.4	.3															5	5			
51		.4	.1															4	4	6	6	
49	.4	.5	.4	.1	.3													13	13	8	3	
47		.5	.4	.4	.3													12	12	7	8	
45		.1	.3	.5														7	7	4	7	
43	.5	1.6	1.0	1.0	.1													33	33	16	6	
41	.5	2.3	1.6	.6	.3													41	41	27	15	
39	.6	1.3	2.2	2.1	.3	.3												52	52	32	26	
37	.8	2.1	2.3	1.2	.5													53	53	38	17	
35	.9	2.8	2.6	2.5	.1													69	69	53	27	
33	.1	4.9	4.4	2.3	.1													92	92	65	26	
31	.5	4.1	3.7	2.7														80	80	84	60	
29	.3	3.9	2.6	1.9														67	67	79	56	
27	.4	2.7	2.7	1.6														57	57	72	55	
25	.1	1.7	1.8	.9														30	30	62	65	
23	.1	1.7	2.3	.4														35	35	41	47	
21	.4	2.1	.9	.6														31	31	45	36	
19	.1	1.7	1.4	.3														27	27	42	50	
17	.1	1.8	1.3															25	25	24	37	
15		.9	1.2															16	16	22	43	
13	.1	.8	.3															9	9	19	31	
11	.1	.3	.3															5	5	14	32	
9		.1	.1															2	2	4	26	
7		.1	.1															2	2	4	31	
5																		2	2	3	16	
3																					15	
1																					12	
-1																					4	
-3																					5	
-5																					3	
-7																						
Element (X)	Σ X'		Σ X		Σ	σ <sub>n</sub>	No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F								
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

16733 WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

MAR MONTH

PAGE 2 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL																																																																				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																																																	
- / -9																					2																																																																	
- / -11																					2																																																																	
-14 / -15																					1																																																																	
- / -17																					1																																																																	
TOTAL	6.5	38.2	33.6	19.5	2.1	.3											774	774	774	774																																																																		
<table border="1"> <thead> <tr> <th>Element (X)</th> <th>Z<sub>X</sub><sup>1</sup></th> <th>Z<sub>X</sub></th> <th>X</th> <th>σ<sub>X</sub></th> <th>No. Obs.</th> <th colspan="6">Mean No. of Hours with Temperature</th> <th>Total</th> </tr> <tr> <td>Rel. Hum.</td> <td>3910540</td> <td>53478</td> <td>69.3</td> <td>16.700</td> <td>774</td> <td>≤ 0 F</td> <td>≤ 32 F</td> <td>≥ 67 F</td> <td>≥ 73 F</td> <td>≥ 80 F</td> <td>≥ 93 F</td> <td></td> </tr> <tr> <td>Dry Bulb</td> <td>852397</td> <td>24759</td> <td>32.0</td> <td>8.839</td> <td>774</td> <td></td> <td>46.6</td> <td></td> <td></td> <td></td> <td></td> <td>93</td> </tr> <tr> <td>Wet Bulb</td> <td>711798</td> <td>22484</td> <td>29.0</td> <td>8.711</td> <td>774</td> <td></td> <td>61.9</td> <td></td> <td></td> <td></td> <td></td> <td>92</td> </tr> <tr> <td>Dew Point</td> <td>496528</td> <td>17314</td> <td>22.4</td> <td>11.887</td> <td>774</td> <td>3.8</td> <td>77.1</td> <td></td> <td></td> <td></td> <td></td> <td>93</td> </tr> </thead> </table>																						Element (X)	Z <sub>X</sub> <sup>1</sup>	Z <sub>X</sub>	X	σ <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature						Total	Rel. Hum.	3910540	53478	69.3	16.700	774	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		Dry Bulb	852397	24759	32.0	8.839	774		46.6					93	Wet Bulb	711798	22484	29.0	8.711	774		61.9					92	Dew Point	496528	17314	22.4	11.887	774	3.8	77.1					93
Element (X)	Z <sub>X</sub> <sup>1</sup>	Z <sub>X</sub>	X	σ <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature						Total																																																																										
Rel. Hum.	3910540	53478	69.3	16.700	774	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																																																																											
Dry Bulb	852397	24759	32.0	8.839	774		46.6					93																																																																										
Wet Bulb	711798	22484	29.0	8.711	774		61.9					92																																																																										
Dew Point	496528	17314	22.4	11.887	774	3.8	77.1					93																																																																										

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

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14723 WESTOVER AFB MA STATION NAME

69-7C.73-80 YEARS

MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)													TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
67/75								.1									1	1		
67/69							.1										1	1		
67/65								.1									1	1		
64/63				.1	.1	.1		.1									4	4		
67/61						.3		.1									4	4		2
67/59						.3	.2										5	5		
67/57			.1	.5	.4	.2	.1										13	13		1
65/55		.1	.3	.3	.6												13	13		1
64/53		.1	.4	.1	.4	.4	.1	.1									16	16		7
62/51		.4	.1	.5	.5	.2											17	17		4
67/49	.3	.8	.4		.9	.8	.2										31	31		17
67/47	.1	.8	.3	1.0	1.3	.8											36	36		14
67/45	.2	1.1	.4	1.6	1.5	.6	.3										54	54		19
64/43	.5	1.6	1.2	2.7	2.5	1.1	.1										90	90		44
62/41	.1	.4	1.2	2.5	1.9	.5	.1										63	63		43
67/39		1.7	3.1	2.8	2.8	.3	.1										101	101		59
65/37	.1	1.8	1.5	2.5	.9	.2											65	65		78
67/35		2.3	2.4	2.5	2.6												90	90		92
64/33		2.9	1.7	2.3	1.0	.1											74	74		111
67/31		1.5	1.9	3.4	1.5												78	78		80
67/29		.6	1.5	2.0	.9												47	47		68
66/27		.6	1.6	1.4	.3												37	37		74
67/25		.3	1.7	1.2													30	30		54
64/23		.1	.8	1.0													17	17		51
67/21			1.1	1.2													21	21		35
67/19		.3	.6	.3													12	12		20
67/17		.2	.2														4	4		26
67/15			.2														2	2		9
64/13			.1														1	1		3
62/11			.2														2	2		2
67/9																				1
67/7																				2
67/5																				
67/3																				
Element (X)	Σ X'		Σ X		X		σ <sub>n</sub>		No. Obs.		Mean No. of Hours with Temperature									
Rel. Num.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total			
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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









GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14773 ESTOVER AFB MA STATION STATION NAME

69-70, 73-80 YEARS

MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
79								.2										2	2																
75							.1											1	1																
73							.1	.1	.1									3	3																
71							.1			.1								2	2																
69							.1		.1	.3								5	5																
67							.1		.2									3	3																
65					.2	.1	.1	.2	.2									8	8	1															
63	.3				.2	.4	.4	.4	.1									18	18	5	3														
61				.1		.1	.2	.4	.3	.1								12	12	3															
59				.1	.5	.2	.5	.8	.1	.2								23	23																
57			.3	.6	.2		.8	.6		.1								25	25	5	1														
55			.3	.4	.1	.5	.3											16	16	4	2														
53		.1	.5	.2	.6	.9	1.0	.3	.2									36	36	16	1														
51		.6	.2	.8	.5	.2	1.1	.9										40	40	21	8														
49		1.2	.2	.3	1.3	1.9	1.7	.4										66	66	28	9														
47	.1	1.0	.6	.5	1.6	1.8	.8	.5										65	65	32	21														
45	.2	.3	1.2	.4	1.9	1.1	2.4											70	70	50	17														
43	.1	1.1	1.0	1.1	2.3	1.7	.9											75	75	38	22														
41		.9	.6	1.2	2.4	2.0	.5											71	71	61	18														
39		1.5	1.1	1.7	3.0	1.3	.2											82	82	75	24														
37		1.7	.4	2.3	2.6	1.1												75	75	92	28														
35	.1	1.3	1.2	1.9	1.9	.8												67	67	79	46														
33		.9	1.1	1.7	1.7													49	49	104	45														
31		.9	.3	1.9	1.6													48	48	88	40														
29		.2	.4	1.4	1.0													28	28	65	49														
27		.2	.2	1.3	.3													19	19	50	76														
25		.6	.1	.3	.2													12	12	39	47														
23		.3	.2	.5														10	10	42	50														
21				.2														2	2	16	47														
19			.1															1	1	9	52														
17																				6	48														
15																				1	49														
13																					47														
11																					55														
Element (X)	Σ X'	Σ X	X	X	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OLA) REVISION 10-69 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

18703 WESTOVER AFB MA  
STATION STATION NAME

69-70, 73-80  
YEARS

MAR  
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
/ 9																					36
/ 7																					19
/ 5																					17
/ 3																					6
/ 1																					19
/ -1																					17
- / -3																					3
- / -9																					3
- / -11																					3
TOTAL	.9	12.8	10.1	19.1	24.1	14.0	11.4	4.7	1.9	1.0							930		930		
Element (X)	$\sum X^2$	$\sum X$	$\bar{X}$	$S^2$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	2714372	46510	50.0	20.446	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F										
Dry Bulb	1844963	40407	43.4	9.835	930		11.6	1.6	.6	.2		93									
Wet Bulb	1292587	33763	36.3	8.492	930		31.6					97									
Dew Point	698168	22478	24.2	12.788	930	2.6	68.5					93									

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 69-70, 73-80 YEARS MAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb
70 / 71					.1													1	1	
69 / 69						.1												1	1	
68 / 67				.1														1	1	
66 / 65				.1	.1				.1									3	3	
64 / 63																				1
62 / 61				.2		.1	.1	.3										7	7	1
60 / 59		.1	.1	.3		.1	.4	.1	.1									11	11	2
58 / 57		.1	.2	.4	.4	.2	.2	.1										13	13	2
56 / 55		.1	.1	.2	.2	.3	.4	.1	.1									15	15	3
54 / 53		.3	.3	.5	.6		.2											19	19	8
52 / 51		.3	.4	.5	.3	.8	.3	.1										26	26	9
50 / 49		.8	.2	.4	1.1	1.0	.3	.1										36	36	19
48 / 47	.2	.8	.5	.8	1.0	.8	.3											40	40	30
46 / 45	.3	.5	.4	1.7	1.7	1.6	.1	.1										61	61	23
44 / 43	.2	1.5	1.5	1.6	2.0	1.4	.3											80	80	36
42 / 41	.2	1.3	1.3	2.5	1.4	1.6	.3											80	80	50
40 / 39	.3	1.8	1.3	2.8	2.0	.9												85	85	65
38 / 37	.2	2.0	2.3	1.3	1.3	.3												69	69	76
36 / 35	.1	1.7	1.8	3.9	2.6													94	94	98
34 / 33		1.4	1.9	2.5	1.6	.2												71	71	82
32 / 31		.6	1.5	3.0	1.4													61	61	84
30 / 29		1.1	1.3	2.2	.6													47	47	85
28 / 27		.5	1.4	2.0	.3													40	40	63
26 / 25	.3	.9	1.2	1.2	.1													34	34	59
24 / 23		.4	.6	.2														12	12	68
22 / 21	.2		.8	.8														16	16	30
20 / 19			.6	.1														7	7	18
18 / 17																				7
16 / 15																				11
14 / 13																				
12 / 11																				51
10 / 9																				34
8 / 7																				28
6 / 5																				10

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 69-70, 73-80 YEARS MAR 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
4/ 3																					8
/ 1																					15
/ -1																					14
- / -3																					5
-4/ -5																					1
- / -7																					3
- / -9																					3
- / -11																					1
TOTAL	2.2	16.1	19.9	29.1	19.0	9.4	3.1	.9	.3									930	930	930	930
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	3322376	52728	56.718	8.929	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	1497488	36388	39.2	8.914	930		21.7	.3				93									
Wet Bulb	1123543	31389	33.8	8.307	930		42.5					93									
Dew Point	665222	22120	23.8	12.236	930	2.7	70.8					93									

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

69-70, 73-AD YEARS

MAR 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				
62 / 61			.3	.3														4	4						
61 / 59			.1															1	1						
60 / 57			.1	.3						.1								4	4	3					
59 / 55		.3	.3	.4	.1	.3												10	10	2					
4 / 53		.4	.5	.3	.1					.1								11	11	6					
2 / 51		.5	.1	.3	.1	.1				.1								10	10	7					
6 / 49		.6	.1	.5	.4													13	13	11					
6 / 47	.1	.1	.3	.4	1.2	.1												17	17	10					
4 / 45	.8	1.7	1.0	.9	.6													39	39	17					
4 / 43		.9	1.2	2.2	.3													35	35	18					
2 / 41	.4	1.3	1.0	2.2	.8	.5												48	48	31					
4 / 39		1.7	1.2	3.2	1.4	.1												59	59	37					
3 / 37	1.3	2.3	2.5	3.1	.9													78	78	62					
3 / 35	.6	2.5	3.1	3.7	1.0													85	85	58					
3 / 33		2.6	3.9	3.4	.5													80	80	66					
2 / 31		1.8	3.6	4.0	.9													80	80	77					
2 / 29		1.4	2.5	1.7														43	43	78					
2 / 27		.5	3.6	2.2	.1													50	50	78					
2 / 25	.3	1.7	2.1	.9	.3													40	40	62					
2 / 23	.3	.9	1.3	1.2														28	28	53					
2 / 21	.3	.3	1.4	.3														17	17	36					
2 / 19		.8	1.0	.5														18	18	29					
3 / 17			.6															5	5	20					
16 / 15																				13					
14 / 13																				1					
12 / 11																									
10 / 9																									
8 / 7																									
6 / 5																									
4 / 3																									
2 / 1																									
2 / -1																									
-2 / -3																									
-4 / -5																									
Element (X)	Σ X <sup>2</sup>	Σ X	Σ	Σ <sub>n</sub>	No. Obs.											Mean No. of Hours with Temperature									
Rel. Hum.																		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total	
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OLA) REVERSED MENSURATIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME 69-77,73-80 YEARS MAR MONTH

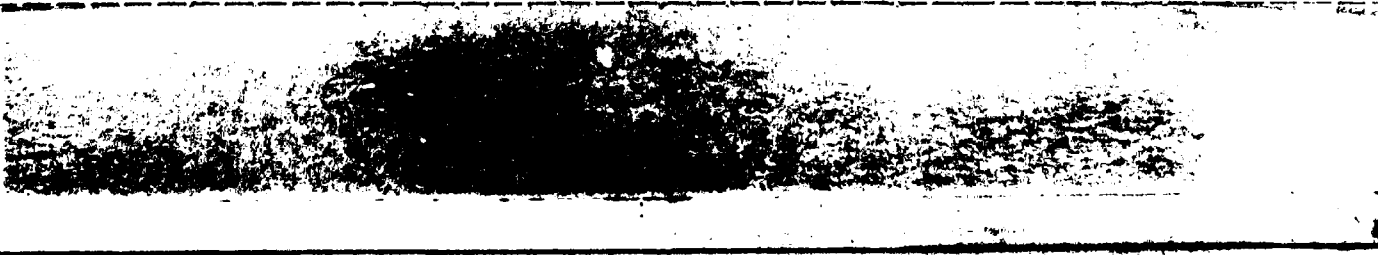
PAGE 2 2100-2310 HOURS (L. S. T.)

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																					4
- / -9																					4
- / -11																					1
TOTAL	4.0	22.2	31.7	31.7	8.8	1.2	.1	.3										775	775	775	

Element (X)	Σ X²	Σ X	X	Σ X	No. Obs.	Mean No. of Hours with Temperature															
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F										
Rel. Num.	3355998	49158	63.4	17.533	775																
Dry Bulb	1033967	27561	35.6	8.300	775			33.7													93
Wet Bulb	825745	24485	31.6	8.210	775			53.6													93
Dew Point	538994	18244	23.9	11.895	775	2.0	72.4														93

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14733 ESTOVER AFB MA 69-70, 73-80 YEARS MAR MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.S./W.B.	Dry Bulb	Wet Bulb	Dew Point
1/ 83										.0	.0						2	2			
1/ 79									.0	.0							3	3			
6/ 75							.0	.0									2	2			
4/ 73							.0	.0	.0								4	4			
1/ 71					.0		.0	.0	.0	.0							4	4			
1/ 69					.0	.0	.0	.0	.0	.1							10	10			
1/ 67				.0	.0	.0	.0	.0	.1								11	11			
6/ 65				.0	.0	.0	.0	.1	.1								21	21	1		
4/ 63	.1			.0	.0	.0	.1	.1	.1	.0	.0						32	32	9	4	
1/ 61			.0	.1	.1	.1	.2	.1	.0								37	37	8		
1/ 59		.0	.0	.1	.2	.1	.2	.2	.0	.0							64	64	3		
1/ 57		.0	.1	.3	.3	.1	.3	.2	.0	.0							84	84	15	3	
5/ 55		.1	.2	.2	.1	.4	.3	.1	.0								92	92	17	8	
4/ 53		.3	.4	.2	.3	.3	.3	.1	.2								109	109	57	9	
2/ 51	.0	.4	.2	.3	.3	.3	.4	.2									124	124	91	41	
5/ 49	.1	.8	.3	.3	.9	.7	.5	.1	.0								227	227	109	44	
1/ 47	.2	.6	.5	.7	1.1	.7	.3	.1									248	248	130	94	
4/ 45	.3	.6	.7	.9	1.3	.7	.6	.0									318	318	165	95	
4/ 43	.4	1.1	1.2	1.5	1.4	.9	.4										413	413	203	112	
2/ 41	.2	1.2	1.4	1.5	1.3	1.0	.2										400	400	295	105	
4/ 39	.2	1.3	1.6	2.3	1.9	.6	.0										523	523	363	132	
3/ 37	.5	1.9	1.5	1.8	1.3	.4											461	461	480	161	
1/ 35	.5	2.2	2.2	2.6	1.5	.2											566	566	535	275	
3/ 33	.1	2.5	2.6	2.4	1.1	.1											545	545	580	263	
2/ 31	.1	1.9	2.1	2.7	1.0	.0											483	483	607	370	
1/ 29	.1	1.6	1.7	1.7	.5												353	353	544	384	
2/ 27	.1	1.3	1.7	1.6	.2												306	306	483	427	
2/ 25	.1	1.1	1.6	.8	.1												233	233	423	384	
24/ 23	.1	.9	1.0	.6													161	161	359	367	
2/ 21	.0	.7	.7	.7													137	137	254	373	
2/ 19	.0	.8	.8	.2													92	92	164	377	
1/ 17	.0	.5	.5	.0													64	64	121	316	
1/ 15	.0	.4	.3														35	35	95	346	
14/ 13	.0	.2	.1														17	17	46	330	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\Sigma$	$\sigma^2$	No. Obs.		Mean No. of Hours with Temperature														
Rel. Num.					$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 ESTOVER AFB MA 69-70, 73-80 YEARS MAR MONTH

PAGE 2 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
1 / 11	.0	.0	.1														9	9	24	287	
/ 9	.7	.0	.0														3	3	7	226	
/ 7	.3	.0	.0														3	3	7	162	
/ 5																	3	3	4	96	
+ / 3																				83	
/ 1																				97	
/ -1																				87	
- / -3																				31	
- / -5																				22	
- / -7																				28	
- / -9																				19	
- / -11																				14	
-14/-15																				2	
-17/-17																				1	
TOTAL	3.6	22.4	22.7	23.6	14.7	6.9	3.8	1.4	.7	.2	.0	.0					6199	6199	6199	6199	
Element (X)	Σ X'		Σ X		Σ X	Σ X	No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.	24452979		369053		59.5	20.010	6199		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb	9397379		233185		37.6	10.048	6199			227.9	4.3	1.3	.6		744						
Wet Bulb	7109803		202663		32.7	8.838	6199			376.6					744						
Dew Point	8307974		185020		23.4	12.153	6199		24.5	579.6					744						

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**  
USE WITH CAUTION  
SEE FIRST PAGE

1473 WESTOVER AFB MA STATION NAME

69-70, 73-75 YEARS

APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1/ 69						.2												1	1		
1/ 67				.2	.4	.2												4	4		
4/ 63			.2	.7														4	4		
1/ 61				.7		.7												6	6	2	
1/ 59			.2	.4														3	3	4	
1/ 57		1.8	1.3	.7	1.3													23	23	3	2
5/ 55		1.3	.4	.9				.2										13	13	15	4
4/ 53		1.1	.4	.7	.7	.9	.2											18	18	13	13
2/ 51		.4	1.8	1.1	.7	.2												19	19	12	16
5/ 49	.7	.9	1.3	1.1	.7													21	21	19	2
1/ 47	.2	1.6	.4	1.8	1.3													24	24	17	5
4/ 45	.9	1.3	2.4	3.1	1.8	.4												45	45	25	22
4/ 43	.2		1.8	2.4	.4													22	22	22	17
2/ 41		1.6	2.2	2.2	.2	.2												29	29	26	21
1/ 39	1.3	.7	1.6	3.8	.7	.2												37	37	40	1
3/ 37	.9	.2	3.1	2.2	.4													31	31	40	25
1/ 35	.7	2.7	2.7	1.3	.7													33	33	27	22
3-4/ 33	.4	1.3	3.6	4.2														43	43	41	24
2/ 31		2.4	4.2	1.6	.2													38	38	30	26
1/ 29		1.6	1.8	.2														16	16	40	46
1/ 27		1.1	.7															8	8	43	31
1/ 25		.7																3	3	17	3
1-4/ 23		.4	.2															3	3	5	25
2/ 21		.2	.2															2	2	2	23
1/ 19			.2															1	1	2	25
1/ 17	.2																	1	1	2	27
1-2/ 15																				1	12
4/ 13	.2	.2																2	2	1	8
1/ 11																				1	2
1/ 9																					4
1/ 7																					1
4/ 3																					2
TOTAL	5.8	20.9	37.9	29.3	9.6	3.1	.4											450	450	450	450
Element (X)	Σx'		Σx		X	c <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature													
Rel. Hum.	2178980		30544		67.9	15.350	450	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb	633414		18872		41.9	9.668	450		14.8	1.0				9							
Wet Bulb	681167		1715		37.8	9.177	450		28.8					3							
Dew Point	503937		14187		31.9	11.230	450		52.0					9							

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**  
USE WITH CAUTION  
SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

69-70, 73-75 YEARS

APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.S./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
67/67					.2													1	1	
67/65				.2														1	1	
64/63				.7	.2													4	4	
62/61			.2	.4														3	3	
59/59			.2	.4	.7													6	6	3
57/57		1.1	.2															6	6	5
55/55		2.7	.2	.9	.2													18	18	13
53/53	.2	.9	1.6	.4			.4											16	16	14
51/51		.2	.9	.4	.2	.7	.2											12	12	7
49/49		1.1	.4	.7	.2													11	11	7
47/47	1.1	1.1	1.1	2.0	.4													26	26	14
45/45	.7	1.3	1.8	1.6	.2													25	25	14
43/43	.4	1.1	3.1	4.0	1.3													45	45	20
41/41	.9	1.6	2.2	2.2	.4													33	33	13
39/39	1.3	1.3	3.6	.4	.7													33	33	16
37/37	.7	.2	1.8	.9	.2													17	17	13
35/35		.7	1.6	1.1	.2													16	16	12
33/33	1.1	3.3	2.7	2.2	.2													43	43	19
31/31		2.4	4.9	.9														37	37	19
29/29		5.8	4.2	.7														48	48	19
27/27	.2	4.0	.2															20	20	14
25/25	.2	2.7	.2															14	14	10
23/23		1.3																6	6	4
21/21		.2	.2															2	2	1
19/19		.7																3	3	1
17/17		.2																1	1	1
15/15		.4																2	2	1
13/13																				1
11/11																				1
9/9	.2																	1	1	1
7/7																				1
5/5																				1
TOTAL	7.1	34.4	31.3	20.2	5.6	.7	.7											450	450	450
Element (X)	$\Sigma x^1$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	247390	32740	72.8	14.312	450	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90								
Dry Bulb	743290	17740	39.4	9.892	450		26.8	.2				90								
Wet Bulb	627932	16274	36.2	9.367	450		37.6					90								
Dew Point	484692	13926	30.9	10.939	450		54.2					90								

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

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1

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14703 ESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

YEARS

APR MONTH

PAGE 1 0600-0800 HOURS (L. S. 7.1)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point
72								.1										1	1		
69								.5	.1									5	5		
67						.4		.1										4	4		
63					.3	.3		.1										5	5		
61	.1	.1	.4	.3	.1	.4	.1											12	13	1	1
59		.4	1.7	.1	.5	.1	.1											18	18	8	
57	.1	.8	.5	.3	.3	.1	.1											17	17	15	2
55		1.2	.7	.5	.4	.1	.7											27	27	19	10
53	.1	.9	.1	.4	.3	1.2	.3											25	25	21	20
51		.8	1.8	.9	1.2	.8												42	42	14	19
49	.3	1.6	.7	1.2	1.2	1.0	.3											47	47	20	21
47	.4	1.0	.8	3.7	1.8	.5												58	58	38	11
45	.7	1.3	2.5	1.4	2.1	.4												63	63	35	27
43	.3	2.1	2.6	4.2	1.3	.5												84	84	55	33
41	1.0	1.4	3.7	3.1	1.3	.4												84	84	85	27
39	.7	1.0	1.4	2.3	1.4	.3												55	55	84	38
37	.5	1.3	2.1	1.8	.9													51	51	74	45
35	.1	1.7	1.0	2.3	.3													42	42	61	51
33	.3	1.7	2.5	1.2	.3													45	45	60	53
31		1.0	2.9	.8	.1													37	37	47	65
29	.1	1.0	1.2	.3														20	20	54	50
27	.1	.7	.1															7	7	37	63
25		.4	.3	.1														6	6	19	44
23	.1	.4		.1														5	5	8	30
21			.1															1	1	3	52
19		.3																2	2	5	54
17		.3																2	2		31
15																				2	13
13																					10
11	.1																	1	1	1	8
9																					2
7																					4
-1																					2
Element (X)	Σ X'		Σ X		X	σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.								≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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**  
 USE WITH CAUTION  
 SEE FIRST PAGE

14700 STATION WESTOVER AFB MA STATION NAME 69-70.73-80 YEARS APR MONTH

PAGE 2 0600-0800 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
TAL	5.1	21.4	26.4	24.7	14.0	6.5	1.8	.1										766	767	766	766
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	Z <sub>5</sub>	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.	3607907	50943	66.5	16.956	766	≤ 0 F	≤ 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total									
Dry Bulb	1511169	33349	43.5	8.963	767						9.5	1.2	90								
Wet Bulb	1215844	29832	38.9	8.908	766						20.7		90								
Dew Point	88837	28721	32.1	10.759	766						2	47.9	90								

USAFETAC FORM 88-61 0-26-5 (O LA) REVISED PERVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
6/ 85										.1								1	1		
4/ 83									.1	.1	.1							3	3		
3/ 81								.1	.1	.1								1	1		
1/ 79								.1	.1	.1								3	3		
73/ 77								.1	.1	.2								7	7		
73/ 75						.2		.3	.2									7	7		
4/ 73						.1	.1	.2	.1	.1								6	6		
1/ 71						.1	.4	.2	.2	.2								11	11		
1/ 69						.6	.2	.6	.6	.3								20	20		
6/ 67				.3	.3	.3	.1	.3	.6	.3								18	18	1	
6/ 65			.1	.7	.2	.2	.6	.1	.3	.1								21	21	5	
4/ 63			.4	.3	.2	.3	.4	.7	.2									24	24	6	
2/ 61		.2	.6	.1	.3	.6	.3	1.0	.3	.1								32	32	15	
1/ 59		.4	.4	.3	.9	.3	1.4	1.2	.6									51	51	23	3
1/ 57		.1	.6	.7	.7	.8	2.1	1.2	.2									57	57	25	9
53/ 55	.1	.1	.3	.9	.4	1.2	1.6	.4	.2									48	48	20	19
4/ 53	.1	.1	.4	.6	.9	2.4	1.3	.7										59	59	36	19
2/ 51	.3		1.0	.6	1.1	2.0	2.2	.2										67	67	34	21
50/ 49		.7	.6	.8	1.2	1.6	1.6	.3										60	60	45	20
43/ 47		.6	1.2	1.6	2.4	1.4	1.3											77	77	52	19
48/ 45	.2	1.9	2.2	.9	2.0	2.6	1.4											101	101	85	33
44/ 43	.3	1.2	1.9	1.6	1.4	1.8												74	74	99	44
42/ 41	.1	.6	.7	.4	1.0	.9												33	33	93	37
41/ 39	.2	.8	.8	1.0	1.8	.3												44	44	91	33
33/ 37	.1	1.0	.2	1.0	.4	.2												27	27	74	51
30/ 35		.9		1.0	.9													25	25	77	66
34/ 33		.3	.2	.3	.4													12	12	45	56
32/ 31		.4	.1	.1	.1													11	11	28	79
31/ 29			.1	.1	.1													3	3	25	55
23/ 27		.1																1	1	11	54
16/ 25																				7	50
24/ 23																				2	38
21/ 21																				1	46
21/ 19																					51
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		S <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total				
Rel. Hum.											≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total				
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM AIR 44 0-26-5 (OL A) REVISE PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA  
 STATION STATION NAME

69-70.73-80  
 YEARS

APR  
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL																																																												
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																																																									
17																					31																																																									
15																					25																																																									
13																					19																																																									
11																					7																																																									
9																					12																																																									
7																					2																																																									
5																					1																																																									
TOTAL	1.6	9.4	11.7	13.3	17.3	17.9	15.1	7.6	4.2	1.6	.2	.1							900	900																																																										
																		900		900																																																										
<table border="1"> <thead> <tr> <th>Element (X)</th> <th><math>\Sigma X^2</math></th> <th><math>\Sigma X</math></th> <th><math>\bar{X}</math></th> <th><math>\sigma_s</math></th> <th>No. Obs.</th> <th colspan="6">Mean No. of Hours with Temperature</th> <th>Total</th> </tr> <tr> <th>Rel. Hum.</th> <td>2780296</td> <td>46876</td> <td>52.3</td> <td>19.407</td> <td>900</td> <th>= 67 F</th> <th>= 73 F</th> <th>= 80 F</th> <th>= 86 F</th> <th>= 93 F</th> <td></td> </tr> <tr> <th>Dry Bulb</th> <td>2493089</td> <td>46023</td> <td>51.2</td> <td>9.985</td> <td>900</td> <td>1.5</td> <td>7.3</td> <td>2.9</td> <td>.6</td> <td></td> <td>90</td> </tr> <tr> <th>Wet Bulb</th> <td>1733086</td> <td>38790</td> <td>43.1</td> <td>8.253</td> <td>900</td> <td>7.4</td> <td>.1</td> <td></td> <td></td> <td></td> <td>90</td> </tr> <tr> <th>Dew Point</th> <td>1067158</td> <td>29256</td> <td>32.5</td> <td>11.360</td> <td>900</td> <td>.1</td> <td>87.0</td> <td></td> <td></td> <td></td> <td>90</td> </tr> </thead> </table>																		Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature						Total	Rel. Hum.	2780296	46876	52.3	19.407	900	= 67 F	= 73 F	= 80 F	= 86 F	= 93 F		Dry Bulb	2493089	46023	51.2	9.985	900	1.5	7.3	2.9	.6		90	Wet Bulb	1733086	38790	43.1	8.253	900	7.4	.1				90	Dew Point	1067158	29256	32.5	11.360	900	.1	87.0				90
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature						Total																																																																		
Rel. Hum.	2780296	46876	52.3	19.407	900	= 67 F	= 73 F	= 80 F	= 86 F	= 93 F																																																																				
Dry Bulb	2493089	46023	51.2	9.985	900	1.5	7.3	2.9	.6		90																																																																			
Wet Bulb	1733086	38790	43.1	8.253	900	7.4	.1				90																																																																			
Dew Point	1067158	29256	32.5	11.360	900	.1	87.0				90																																																																			

USAFETAC FORM 0-26-5 (OL A) REVERSED MIRROR IMAGES OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 69-70, 73-80 APR MONTH

PAGE 1 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
4/ 93														.2				2	2	
4/ 91														.1				1	1	
7/ 89														.1				1	1	
3/ 87														.1	.2			4	4	
6/ 85										.1	.3	.1						5	5	
4/ 83														.2	.2			4	4	
7/ 81									.3		.1	.2	.1					7	7	
7/ 79								.2			.4	.1			.1			8	8	
7/ 77								.1	.3		.2	.2	.3					11	11	
6/ 75							.1	.4	.2	.3	.3	.7	.6	.2	.1			19	19	
4/ 73						.1	.6	.3	.4	.3	.8	.1						21	21	
7/ 71					.1	.2	.2	.4	.7	.3	.1							23	23	
7/ 69					.1	.2	.2	.4	.7	.3	.1							19	19	1
6/ 67				.1	.1	.2	.8	.7	.4	.7	.6							32	32	14
6/ 65		.1	.1	.1	.1	.2	.4	.4	1.0	1.4	.1							37	37	3
4/ 63		.1	.1	.1	.3	.6	.9	1.3	.4									42	42	13
2/ 61		.1	.3	.2	.1	.3	.4	1.4	1.7	.3								45	45	22
6/ 59		.2	.2	.3	.4	.2	.8	2.4	1.7	.2								62	62	20
3/ 57			1.0	.3	.2	.6	2.9	1.9	1.4	.1								76	76	26
5/ 55		.1	.2	.2	.2	.6	1.8	1.8	.7									53	53	34
4/ 53		.1	.2	.2	.3	.9	1.9	1.6	.3									53	53	48
2/ 51	.3	.2	1.1	.6	.6	1.1	1.7	1.4										58	58	45
5/ 49	.3	.2	.8	.9	.7	1.1	1.9	.6										54	54	64
4/ 47	.2	.4	.9	.6	1.1	.9	1.6	.3										54	54	67
4/ 45		2.1	1.2	1.0	1.0	1.4	.4											65	65	88
4/ 43	.6	.8	1.7	.6	1.4	.9	.2											58	58	104
2/ 41		.1	.9	.1	.9	1.1	.2											32	32	86
4/ 39	.3	1.0	.4	.1	.7	.1	.1											27	27	87
3/ 37		.7		.6	.4	.2												17	17	70
3/ 35		.4		.4		.1												9	9	46
34/ 33		.2	.2															4	4	22
2/ 31		.1																1	1	27
7/ 29																				11
2/ 27																				62
Element (X)	$\Sigma X^2$	$\Sigma X$	$\Sigma$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 86 F	≤ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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



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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

69-70,73-80 YEARS

APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
25																				1	61
24																					47
21																					49
19																					41
17																					34
15																					26
13																					28
11																					13
9																					5
7																					2
3																					3
TOTAL	1.8	7.0	9.8	6.4	8.9	11.4	17.3	14.3	10.4	6.7	3.3	1.2	.9	.4				900	900	900	
																	900		900		

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total	
Rel. Hum.						≤ 0 F	≤ 22 F	≤ 47 F	≤ 73 F	≤ 80 F	≤ 93 F		
Dry Bulb	2243680	40582	45.1	21.458	900			.1	15.7	8.3	2.8	.2	90
Wet Bulb	1925354	40962	45.5	8.240	900		4.0	1.5					90
Dew Point	1067385	29183	32.4	11.607	900		47.8						90

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME 69-70, 73-80 YEARS APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point	
4/ 93														.1	.1			2	2			
5/ 91														.1	.1			3	3			
6/ 89														.1	.1			2	2			
7/ 87														.2	.1			3	3			
8/ 85														.1				1	1			
9/ 83									.3	.1				.1				5	5			
10/ 81								.1						.2	.4			7	7			
11/ 79							.2	.1	.1	.4	.3			.1	.1			13	13			
12/ 77								.1	.8	.2	.2	.2		.2	.2			14	14			
1/ 75							.2	.2	.2	.1	.6	.1	.1					14	14			
2/ 73						.3	.2	.2	.2	.6	.2	.6	.2					18	18			
3/ 71				.1	.1	.1	.1	.2	.1	.3	.9	.2						20	20			
4/ 69			.1	.1	.1	.2	.1	.8	1.2	.3								26	26	3		
5/ 67			.3	.1	.6	.2	1.7	.8										33	33	7		
6/ 65		.1	.2	.3	.8	1.3	1.0	1.2	1.7	.4								64	64	13		
7/ 63		.1	.7	.9	.7	.9	.3	.9	1.0									36	36	7		
8/ 61	.2	.4	.3	.6	.1	.3	.9	1.4	1.6									50	50	17	3	
9/ 59	.3	.3	.3	.2	.4	.3	2.6	1.9	.6									63	63	27	8	
10/ 57	.1	.4	.3	.4		1.9	2.3	1.6										64	64	25	10	
11/ 55	.6	.6	.1	.9	1.0	2.8	.7											55	55	34	14	
12/ 53	.2	.6	.3	.2	1.2	1.8	1.7	.7										60	60	48	14	
1/ 51	.2	.7	.2	.6	1.4	1.4	1.2											52	52	48	7	
2/ 49	.8	.3	.8	.2	.6	.6	.6	.7										40	40	69	30	
3/ 47	.1	.5	.5	.9	1.1	.4	.7											45	45	61	36	
4/ 45		1.3	1.3	1.2	1.1	1.9	.9											70	70	90	31	
5/ 43		1.7	1.8	.8	.4	.9	.8											57	57	97	29	
6/ 41	.2	.7	1.2	.2	.9	.4	.2											35	35	111	39	
7/ 39	.2	.4	.3	.3	.4	.1												17	17	78	43	
8/ 37		.3		.7	.4													13	13	52	42	
9/ 35		.9		.6														13	13	53	30	
10/ 33			.1															1	1	26	70	
11/ 31	.2		.1															3	3	21	74	
12/ 29	.1																	1	1	10	51	
1/ 27																					55	
Element (X)	Σ X'	Σ X	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature																
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total										
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION 14793 RESTOVER AFB MA STATION NAME 69-70,73-80 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	
5/ 25																						57
4/ 23																						47
2/ 21																						52
1/ 19																						53
18/ 17																						26
18/ 15																						29
14/ 13																						18
11/ 11																						12
7/ 9																						8
7/ 7																						8
5/ 5																						1
1/ 1																						1
1/ -1																						2
TOTAL	1.3	7.6	9.1	6.9	7.9	11.1	13.4	15.1	10.4	9.7	4.7	1.3	.8	.3	.3			900		900	900	
Element (X)	Σ X'		Σ X		Σ X²	Σ X³	No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.	2178540		39608		44.0	22.013	900		≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb	2992572		50868		56.5	11.433	900			.4	16.1	8.2	3.0	.2	90							
Wet Bulb	1933463		41061		45.6	8.178	900			3.4	1.0				90							
Dew Point	1085232		28778		32.0	1.798	900			.2	89.8				90							

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14733 WESTOVER AFB MA 69-70,73-80 APR  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1800-2000  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	=31	Dry Bulb	Wet Bulb
1/89																		1	1	
6/85																		1	1	
7/81																		1	1	
7/79																		6	6	
7/77																		4	4	
6/75																		8	8	
4/73																		7	7	
7/71																		9	9	
7/69																		14	14	
6/67																		21	21	2
6/65																		21	21	5
4/63																		39	39	7
2/61																		42	42	12
7/59																		55	55	18
5/57																		53	53	25
5/55																		59	59	26
4/53																		47	47	40
2/51																		69	69	40
5/49																		59	59	58
4/47																		69	69	55
4/45																		64	64	59
4/43																		73	73	66
2/41																		59	59	119
4/39																		53	53	104
3/37																		23	23	88
2/35																		22	22	56
3/33																		7	7	47
2/31																		9	9	37
7/29																		5	5	18
2/27																				13
7/25																				5
2/23																				
2/21																				
7/19																				
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.					$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$		Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

14703 WESTOVER AFB MA 69-70,73-80 APR  
 STATION STATION NAME YEARS MONTH

PAGE 7 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			
/ 17																					29			
/ 15																					28			
/ 13																					18			
/ 11																					10			
/ 9																					10			
/ 7																					5			
/ 5																					2			
/ 3																					2			
TOTAL	2.1	9.2	13.1	12.2	14.1	15.2	15.1	10.3	5.6	2.0	.8	.2	.1					900	900	900	900			
Element (X)	Σ X'		Σ X		X		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.	2771686		46184		51.3		21.139		900		= 0 F		= 32 F		= 67 F		= 73 F		= 80 F		= 93 F		Total	
Dry Bulb	2488527		46437		51.6		10.145		900		1.4		7.2		2.8		.5						90	
Wet Bulb	1744342		38930		43.3		8.197		900		7.3		.2										90	
Dew Point	1052846		28935		32.2		11.677		900		.2		89.1										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

USE WITH CAUTION  
 SEE FIRST PAGE

14713 ESTOVER AFB MA

69-70, 73-80

YEARS

APR  
 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															
79									.1																						1	1			
77									.1																						1	1			
75								.1																							1	1			
73								.1	.1																						2	2			
71								.1	.1	.1																					3	3			
69							.4	.3	.3																						8	8			
67							.3	.3	.3																						2	2			
65				.1	.3		.3	.3	.3																						5	5			
63				.8	.4		.3	.1	.1																						13	13	4		
61		.1	.5	.4	.1	.8	.1	.1	.1																						17	17	6		
59		.5	.4	.5	.4	.5	.5	.3																								24	24	8	
57		1.0	1.1	.7	.8	.7	1.0	.1																								39	39	21	
55	.1	.4	.8	.8	.7	1.0	1.0	.1																								36	36	19	
53		1.5	1.1	.7	.4	1.0	.3	.4																								41	41	19	
51	.1	.4	1.0	.4	1.2	1.8	.4	.1																								40	40	32	
49		.4	1.0	.7	1.1	1.6	.5	.1																								39	39	32	
47	.5	.5	1.4	1.1	2.5	1.4	.3																									56	56	36	
45	.1	.7	.7	2.9	3.7	1.5	.3																									72	72	33	
43	.3	1.2	.5	3.3	1.8	.5	.1																									57	57	53	
41	.4	2.3	1.8	2.5	1.8	.7																										69	69	56	
39	.8	.5	1.8	2.3	2.1	.4																										58	58	89	
37		1.1	1.2	2.2	1.5																											44	44	77	
35	.3	1.1	1.1	2.7	.5	.1																										43	43	61	
33	.1	.5	1.5	1.4	.4																											29	29	56	
31		.5	1.6	.8																												22	22	50	
29		.1	.1	.1	.1																											4	4	39	
27			.4	.1																												4	4	25	
25			.1																													1	1	10	
23																																			4
21																																			1
19																																			
17																																			
15																																			
13																																			
11																																			
9																																			
7																																			
5																																			
3																																			
1																																			
0																																			
Element (X)	Σg'	Σg	X	σ <sub>g</sub>	No. Obs.													Mean No. of Hours with Temperature					Total												
Rel. Hum.					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																									
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-5 (OL A) REVISION 10-64  
 USAFETAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

69-70.73-80 YEARS

APR MONTH

PAGE 2 2100-2300  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1 / 11																					7
/ 9																					4
/ 7																					1
/ 5																					4
TOTAL	2.9	13.1	18.2	24.6	20.1	12.9	5.9	1.6	.5	.1								731	731	731	
Element (X)	$\Sigma X'$		$\Sigma X$		$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.	2866213		43839		60.0	18.023	731	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total							
Dry Bulb	1644623		34009		46.6	9.245	731	3.8	2.2	6				9							
Wet Bulb	1257115		29677		40.6	8.465	731	15.9						9							
Dew Point	85769		23611		32.3	11.298	731	51.1						9							

USAFETAC FORM 44 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMM

14733 ESTOVER AFB MA 69-70, 73-80 STATION STATION NAME YEARS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL HOURS	
	0	1-2	3-4	5-6	7-8	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															
4/ 93															.1	.0																4	4	
7/ 91															.0	.0																4	4	
7/ 89															.0	.0																4	4	
8/ 87															.1	.0																7	7	
6/ 85															.0	.1																8	8	
5/ 83															.1	.0																12	12	
7/ 81															.1	.0																16	16	
7/ 79															.1	.2																31	31	
7/ 77															.0	.1																33	33	
5/ 75															.1	.2																49	49	
7/ 73															.1	.1																54	54	
7/ 71															.0	.1																67	67	
7/ 69															.1	.3																93	93	
6/ 67															.1	.3																115	115	2
6/ 65															.0	.1																149	149	2
4/ 63															.1	.4																167	167	3
2/ 61															.1	.4																207	208	7
7/ 59															.1	.5																282	282	11
7/ 57															.1	.5																335	335	14
5/ 55															.1	.6																309	309	18
4/ 53															.1	.6																319	319	23
2/ 51															.1	.7																359	359	23
5/ 49															.1	.7																331	331	32
4/ 47															.1	.8																409	409	34
4/ 45															.1	.8																505	505	42
4/ 43															.1	.9																466	466	51
2/ 41															.1	.9																374	374	61
4/ 39															.1	.9																324	324	61
3/ 37															.1	.9																223	223	50
4/ 35															.1	.9																203	203	40
3/ 33															.1	.9																184	184	31
2/ 31															.1	.9																158	158	26
7/ 29															.1	.9																97	97	23
2/ 27															.1	.9																40	40	19
Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>g</sub>		I		e <sub>g</sub>		No. Obs.		Mean No. of Hours with Temperature																								
Rel. Hum.										≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																			
Dry Bulb																																		
Wet Bulb																																		
Dew Point																																		

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 69-70.73-80 APR  
 STATION STATION NAME YEARS MONTH

PAGE 2 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
25	.0	.3	.1	.0														24	24	94	357
24	.1	.2	.0	.0														14	14	33	311
22		.0	.1															5	5	11	344
21		.1	.0															6	6	7	336
20	.1	.1																4	4	7	229
19		.1																2	2	3	158
18	.0	.0																2	2	3	114
17																		1	1	2	64
16	.1																	1	1	1	47
15																					22
14																					9
13																					5
12																					3
11																					7
10																					
9																					
8																					
7																					
6																					
5																					
4																					
3																					
2																					
1																					
0																					
TOTAL	3.0	13.5	16.8	15.7	12.6	11.0	10.2	7.3	4.7	3.0	1.4	.4	.3	.1	.1			5997	5998	5997	5997

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	
Rel. Hum.	21101292	331316	55.2	21.598	5997							
Dry Bulb	15596612	297718	49.6	11.686	5998		42.5	59.7	26.6	8.3	.5	720
Wet Bulb	11118305	252541	42.1	8.980	5997		103.0	3.4				720
Dew Point	6963395	192595	32.1	11.390	5997	.8	394.4					720

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

69-70, 73-75, 79 YEARS

MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
71						.2												1	1		
69				.6	.4	.6												8	8		
67		.2	.2					.2										3	3	1	
65			.4	.4		.2		.2										6	6	4	3
63		2.1	1.1	1.1	.4	.4												24	24	6	4
61	.6	1.9	.6	.4		.2	.2											19	19	18	10
59	.2	2.6	.4	1.9	1.3	.4	.2											33	33	22	17
57		2.1	.9	1.1	.2	.2		.2										21	21	19	17
55	1.1	3.2	2.4	1.3	.2	.2												39	39	28	25
53	1.5	1.9	3.2	.6	1.1													39	39	35	27
51	.4	3.2	4.9	1.7	.2													49	49	39	21
49	.9	3.9	3.7	3.2	.2	.4												54	54	39	17
47	.9	3.9	2.1	1.1		.2	.2											39	39	54	38
45		3.7	3.6		.2	.4												34	34	44	44
43	.4	3.2	1.9	.2	.4	.2												30	30	44	38
41	.2	1.9	1.1	.2	.2	.2												18	18	32	28
39	.4	1.5	.9	.6	.4	.2												19	19	21	32
37		.9	.9															8	8	15	29
35	.2	.6	.6	.6														10	10	13	27
33		.4	1.1	.4														9	9	11	13
31		.2																1	1	12	3
29		.4	.2															3	3	5	8
27																				5	14
25																					6
23																					7
21																					6
19																					5
17																					2
15																					1
13																					1
11																					2
TOTAL	6.9	37.7	29.8	15.4	5.6	3.4	.9	.4										467	467	467	467
Element (X)	Z <sub>g</sub>	Z <sub>h</sub>	X	°	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	2975459	36619	78.4	14.942	467	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	1247917	23833	51.0	8.237	467		.8	2.4				93									
Wet Bulb	194995	22289	47.7	8.180	467		4.4	.2				93									
Dew Point	956417	20604	44.1	10.082	467		10.2					93									

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

1473 WILSTOVER AFB MA STATION STATION NAME

69-73-75-78 YEARS

MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	>31	Dry Bulb	Wet Bulb
6 / 67		.2	.2		.2													3	3	
6 / 65		.9		.4														6	6	
4 / 63	.6	.6	.2	.6	.2	.2												12	12	10
2 / 61	.6	1.1		.2		.2												10	10	6
1 / 59		4.3	1.1	1.1														30	30	15
5 / 57	.2	2.6	2.4	.9	.6													31	31	20
5 / 55	1.5	1.1	1.3	1.3														24	24	29
4 / 53	1.9	3.2	1.3	.4	.4	.4												36	36	27
2 / 51	1.7	3.2	4.1	1.3	.2													49	49	41
5 / 49	1.1	4.7	3.6	1.5	.2													52	52	38
1 / 47	.2	5.4	2.1	.6														39	39	44
4 / 45		4.7	1.9	.2														32	32	50
4 / 43	.2	3.2	2.4	.6	.4													32	32	35
2 / 41	.6	3.0	1.1	.4	.6													27	27	31
4 / 39	.9	1.9	1.3															19	19	37
3 / 37	1.9	.9	.9		.2													16	16	24
1 / 35	.2	2.1	.4	.2	.4													16	16	14
3 / 33	.2	1.1	.6															9	9	15
2 / 31		1.3	1.1															11	11	6
1 / 29		1.3	.2															7	7	13
1 / 27		.4	.4															4	4	11
1 / 25		.2																1	1	4
2 / 23																				1
2 / 21																				
1 / 19																				
1 / 17																				
1 / 13																				
1 / 11																				
TOTAL	11.6	47.4	26.6	9.9	3.6	.9												466	466	466
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	3285218	38660	83.0	12.946	466	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total								
Dry Bulb	1134225	22637	48.6	8.629	466		4.6	.6				93								
Wet Bulb	1026249	21495	46.1	8.646	466		7.0					93								
Dew Point	924794	20216	43.4	10.137	466		12.8					93								

USAFETAC FORM AIR 34 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1 73 ESTOVER AFB MA 69-73, 73-80 YEARS MAY MONTH

PAGE 1 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
1 / 79						.1												1	1		
6 / 75				.3														3	3		
4 / 73				.2		.1												3	3		
4 / 71			.1	.1	.3	.1			.1									7	7		
1 / 69			.3	.6	.2	.2												13	13	4	
6 / 67		.2	.8	.2	.6	.2	.1	.1										21	21	5	3
6 / 65	.1	1.3	.3	.5	.4	.2	.1											28	28	10	6
4 / 63	.5	1.3	.6	1.4	1.1	.5	.1											52	52	34	22
7 / 61	.6	2.5	1.1	1.1	.8	.3	.2	.1	.1									62	62	27	29
7 / 59	.3	2.7	2.3	1.9	1.2	.9	.2	.1										89	89	51	31
1 / 57	.8	2.5	1.9	1.8	1.1	.3	.1											78	78	71	41
5 / 55	.4	3.5	2.2	1.7	1.1	.9	.3											93	93	80	55
4 / 53	.8	2.4	3.1	1.3	1.2	.3	.1											84	84	77	66
3 / 51	.9	2.5	1.1	1.7	.9	.4	.2	.1										91	91	88	75
5 / 49	.1	2.9	3.5	1.5	.5	.8												86	86	86	65
7 / 47		3.9	1.8	1.3	.9	.3												76	76	92	65
4 / 45		1.4	2.2	1.4	.5	.1												52	52	93	94
4 / 43	.1	.9	1.3	.9	.2	.1												32	32	54	67
2 / 41	.2	1.2	.4	.3	.2	.1												23	23	59	59
4 / 39	.3	.4	.2	.1	.1													11	11	48	58
3 / 37	.3	.4	.2	.2	.1													12	12	22	51
3 / 35		.2	.2	.1														5	5	9	38
3 / 33	.1	.1	.1															3	3	9	21
2 / 31		.1																1	1	6	26
1 / 29																				4	15
2 / 27																					22
6 / 25																					9
24 / 23																					4
2 / 21																					2
7 / 19																					4
14 / 17																					1
14 / 13																					1
12 / 11																					2
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	° <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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



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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14753 WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

MAY 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
89									.1									1	1		
87									.1	.1								1	1		
85								.1	.1	.1								3	3		
83								.3	.1	.1	.1							7	7		
81							.1	.2	.2									6	6		
79						.1	.5	.3		.4								13	13		
77					.5	.2	.8	.3	.2	.1								20	20		
75			.1		1.0	.9	.5	.6	.4	.2								35	35		
73				.9	.2	.4	1.0	.6	.4									33	33	1	
71		.1	.1	.8	1.1	1.7	.6	.6	.1	.4								52	52	10	
69		.1	.2	.3	.6	.9	1.4	.4	.9	.2								47	47	20	2
67			.6	1.3	1.0	1.6	.6	.6	.5	.2								61	61	27	8
65	.3	1.0	.5	1.0	1.1	1.3	1.2	.9	.1	.1								69	69	37	20
63	.3	.9	.8	1.1	1.1	1.9	2.3	1.2	.4	.2								94	94	45	33
61	.3	1.5	.8	1.0	1.3	2.0	1.1	.8		.2								83	83	69	25
59	.1	1.1	.8	1.2	1.9	2.0	1.2	1.0	.2									88	88	82	51
57		.6	.8	1.4	1.7	1.0	1.6	.4	.1									71	71	70	48
55		1.6	1.2	.8	1.6	.8	1.3	.5										72	72	55	56
53	.1	1.5	1.3	.8	.9	1.0	.2	.1										54	54	103	53
51	.2	.9	.9	1.2	.5	1.3	.2	.1										49	49	108	67
49	.1	1.5	.5	.3	.2	.6	.1	.1										33	33	81	56
47		.4	.1	.4	.1	.5	.1											16	16	73	65
45		.1	.3		.3		.1											8	8	52	72
43		.5	.1	.1	.1	.1												9	9	40	50
41		.2																2	2	29	52
39		.1																1	1	12	74
37		.2																2	2	10	40
35																				4	35
33																				2	17
31																					33
29																					28
27																					12
25																					12
23																					5
Element (X)	Σ X'	Σ X	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 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 69-70, 73-80 MAY  
 STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
21/21																						5		
19/19																						3		
17/17																						2		
15/15																						4		
13/13																						1		
11/11																						1		
TOTAL	1.5	2.4	9.0	12.4	15.4	18.9	15.2	8.9	4.1	2.2	.1							930	930	930	930			
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature					Total													
Rel. Hum.	3604419	55159	59.3	18.945	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total												
Dry Bulb	3679368	57948	62.3	8.596	930			27.9	11.9	2.3		93												
Wet Bulb	2787698	50416	54.2	7.682	930			5.8	.1			93												
Dew Point	2131797	43389	46.7	10.757	930		10.6	1.0				93												

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

19703 WESTOVER AFB MA 69-70, 73-80 HAY  
 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	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
93												.3						3	3																	
91											.2	.1						3	3																	
89											.2	.6	.2					10	10																	
87									.1	.2	.1	.2						7	7																	
85								.1	.3	.4	.6	.3	.2					19	19																	
83							.1	.4	.8	.8	.6	.2						28	28																	
81							.1	.6	.4	1.7	.3	.5	.1					36	36																	
79							.4	.5	1.0	.6	1.2	.4	.1					40	40																	
77				.1	.6	.1	.5	.9	.4	.4	.4							33	33																	
75			.2	.2	.8	.4	.2	.9	1.1	.8	.6	.1						49	49																	
73			.5	.8	.6	1.1	.8	1.1	.4	.6	.1							56	56	7																
71			.2	.2	.6	1.3	1.1	1.0	1.0	.4	.5	.1						62	62	20																
69		.1	.1	.4	1.3	1.0	.9	1.8	.4	1.2	.5	.1						73	73	34	4															
67		.6	.5	.4	.6	.3	.8	1.7	1.2	1.4	.4							75	75	52	9															
65	.2	.3	.4	.9	.2	.4	2.2	.8	1.2	.2								63	63	60	23															
63		.2	.9	.5	.1	1.1	1.8	.6	1.4	.6	.2							70	70	49	35															
61	.1	.8	.3	.4	.5	1.2	1.5	1.0	.3	.3								60	60	70	28															
59		.6	.6	.6	1.0	1.1	1.3	1.6	.1									65	65	79	40															
57		1.2	.8	.5	.5	.5	.4	1.3	.1									50	50	62	58															
55	.1	1.1	.3	.9	.9	.4	.6	.1	.1									44	44	75	71															
53	.4	.9	1.0	.8	.5	.4	.1	.2										40	40	105	60															
51	.1	.3	.5	.1	.3	.1	.1											15	15	85	37															
49		.8	.2	.2		.3												14	14	74	53															
47			.4			.2												6	6	69	60															
45			.4	.2	.1													7	7	37	59															
43		.2																2	2	32	63															
41		.2																2	2	4	54															
39		.2																2	2	12	50															
37																				4	45															
35																					34															
33																					22															
31																					46															
29																					25															
27																					20															
Element (X)	Σx'		Σx		Σ	Σ <sub>g</sub>		No. Obs.		Mean No. of Hours with Temperature						Total																				
Ref. Num.										≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																				
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA  
STATION STATION NAME

69-70.73-80  
YEARS

MAY  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
24/ 25																									9	
24/ 23																										11
22/ 21																										2
20/ 19																										4
18/ 17																										3
16/ 15																										5
<b>TOTAL</b>	1.0	7.7	7.0	7.1	8.9	9.8	14.5	15.3	12.0	9.2	5.2	2.0	.2									930	930	930	930	

Element (X)	Σ x'		Σ x		No. Obs.	Mean No. of Hours with Temperature						Total
	Σ x'	Σ x	Σ x'	Σ x		≥ 0 F	≥ 32 F	≥ 67 F	≥ 75 F	≥ 80 F	≥ 93 F	
Rel. Num.	276000	67165	50.7	19.9	930							
Dry Bulb	431952	62670	67.4	9.9	930			49.0	28.0	12.3	.3	93
Wet Bulb	300764	52387	56.3	7.8	930			11.3	.7			93
Dew Point	213365	43312	46.6	11.2	930		12.5	1.3				93

USAETAC FORM 0-26-5 (O.L.A.) REVERSIBLE EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 69-70, 73-80 MAY  
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																	
94/ 93																																3	3				
92/ 91																																	5	5			
91/ 89																																	13	13			
88/ 87																																	10	10			
86/ 85																																	22	22			
84/ 83																																	20	20			
81/ 81																																		35	35		
79/ 79																																		47	47		
77/ 77																																		45	45		
75/ 75																																		50	50		
73/ 73																																		49	49	13	
72/ 71																																		60	60	16	4
71/ 69																																		66	66	42	1
67/ 67																																		82	82	52	11
66/ 65																																		60	60	47	25
64/ 63																																		75	75	52	31
62/ 61																																		62	62	78	26
61/ 59																																		62	62	58	38
59/ 57																																		53	53	70	63
57/ 55																																		39	39	93	65
54/ 53																																		21	21	173	63
52/ 51																																		18	18	91	35
50/ 49																																		16	16	74	55
48/ 47																																		3	3	58	67
46/ 45																																		8	8	33	47
44/ 43																																		3	3	28	51
42/ 41																																				10	56
40/ 39																																		1	1	3	48
38/ 37																																		2	2	6	49
36/ 35																																				3	37
34/ 33																																					39
32/ 31																																					31
30/ 29																																					16
23/ 27																																					23
Element (X)	Σ X'		Σ X		Σ		Σ <sub>n</sub>		No. Obs.		Mean No. of Hours with Temperature						Total																				
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																				
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

STATION 14703 WESTOVER AFB MA STATION NAME 69-70,73-80 YEARS MAY MONTH  
 PAGE 2 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
25																					20
24																					9
21																					7
19																					3
17																					3
15																					5
13																					1
11																					1
<b>TOTAL</b>	1.1	7.7	6.0	7.6	7.5	10.8	13.5	12.7	12.2	9.4	6.7	4.3	.5					930	930	930	930

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	2691197	46207	49.7	20.633	930							
Dry Bulb	9387642	63200	68.0	9.992	930			50.7	29.9	12.6	.3	93
Wet Bulb	3027450	52566	56.5	7.784	930			12.3	1.3			93
Dew Point	2117610	43056	46.3	11.565	930		11.9	1.6				93

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

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

10703 WESTOVER AFB MA STATION STATION NAME

69-70, 73-80 YEARS

MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.S./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
87/89								.1	.1	.1							2	2			
87/87									.1	.1			.1				3	3			
85/85								.1	.1	.1	.2						5	5			
83/83								.1	.1	.2	.2						7	7			
81/81								.1	.1	.2	.1	.2					8	8			
79/79								.5	.3	.5	.1	.3	.2				19	19			
77/77				.1	.1	.9	.6		.5	.1	.1						23	23			
75/75				.3	.5	.9	.3	.6	.9	.3	.2						38	38			
73/73		.1	.4	.8	.5	.6	.3	.8	.9	.1		.1					43	43	3		
71/71			.4	.6	1.1	.9	.9	.8	.5	.4	.1						53	53	1		
69/69	.2		.3	.3	.9	1.2	.2	1.1	.5	.1	.1						46	46	20		
67/67	.2	.2	.6	.8	1.1	.9	1.4	1.1	.8	.5	.2						72	72	34		
65/65		.4	.8	1.4	.9	.8	1.6	1.0	.5	.1							69	69	41		
63/63	.3	.3	1.1	.9	.5	1.8	1.3	.9	.8	.3	.1						76	76	45		
61/61		.9	1.0	.5	1.2	1.4	.8	1.3	.5		.1						71	71	63		
59/59	.4	.8	1.6	1.0	1.9	1.5	1.4	.3	.4	.1							88	88	71		
57/57	.5	2.4	1.0	.2	1.1	1.4	1.5	.5									80	80	82		
55/55	.5	.6	1.0	1.1	1.4	1.4	.5	.6									67	67	80		
53/53	.2	1.1	1.2	1.1	.6	.9	.6	.1	.1								55	55	89		
51/51		.8	.8	1.1	.8	.9	.6	.1									46	46	81		
49/49		1.5	.2	.4	.4	.2	.2										28	28	85		
47/47		.3	.5	.2	.4	.1	.1										17	17	83		
45/45		.3	.1														4	4	53		
43/43		.1															2	2	43		
41/41				.2	.1												3	3	21		
39/39		.1		.1													2	2	16		
37/37		.2		.1													3	3	2		
35/35																			6		
33/33																			2		
31/31																					
29/29																					
27/27																					
25/25																					
23/23																					
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.												Mean No. of Hours with Temperature				
Rel. Hum.					$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 ESTOVER AFB MA STATION NAME

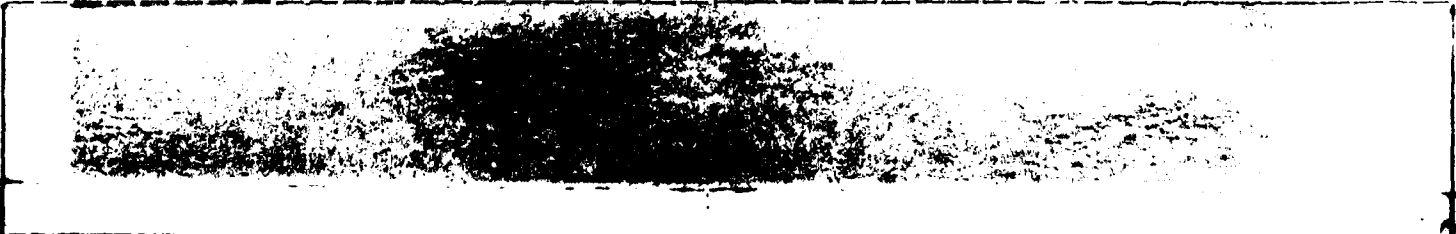
69-70, 73-80 YEARS

MAY MONTH

PAGE 2 1600-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
2 / 21																					4
1 / 19																					2
0 / 17																					4
1 / 15																					1
0 / 13																					1
1 / 11																					1
TOTAL	2.5	10.1	10.9	11.2	13.7	16.5	12.9	10.2	7.1	3.2	1.5	.2	.1				930	930	930	930	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$s^2$	No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.	3487738	53802	57.92	20.097	930		$\leq 0 F$	$\leq 32 F$	$= 67 F$	$= 73 F$	$= 80 F$	$= 93 F$	Total								
Dry Bulb	3771885	58643	63.1	8.927	930				31.9	14.8	3.2		93								
Wet Bulb	2813780	50642	54.5	7.773	930				6.7	.3			92								
Dew Point	2118507	43154	46.4	11.173	930			11.4	1.4				93								

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



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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

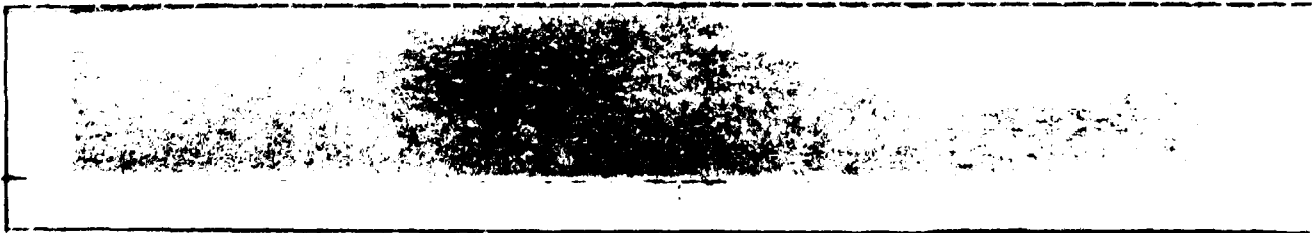
PSYCHROMETRIC SU

USE WITH CAUTION  
SEE FIRST PAGE

1703 WILSTOVER AFB MA 69-70, 73-80 YEARS PAGE 1 2

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TC		
	0	1-2	3-4	5-6	7-8	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
79					.2													1	1
77					.2					.2								2	2
75					.5	.5			.2									4	4
73			.2	.5	.5	.5			.2									11	11
71		.3	.2	.8	.2	.3	.2	.2										13	13
69		.2	1.4	.5	1.1	.5	.3											25	25
67	.2		.3	1.3	.5	.9	.2	.5										22	22
65		1.1	.5	1.3	.5	.8	.5	.2										30	30
63	.2	.6	1.3	.6	.3	1.6	.5	.3										34	34
61	.3	.5	2.7	1.8	1.6	1.4		.2										53	53
59	.2	1.9	1.6	.6	1.3	.8	.2	.2										42	42
57	.5	3.5	1.8	1.3	1.7	.8	1.7											61	61
55	1.1	1.6	1.9	1.1	1.9	1.0	.6											57	57
53	.3	1.9	2.6	1.8	1.3	1.7	.2											56	56
51	.6	1.0	2.4	2.7	1.6	.8	.3											59	59
49	.2	2.9	1.8	.8	1.6	.6	.5	.2										53	53
47	.2	1.9	2.1	1.3	.3	.5	.5											42	42
45		.8	1.3	.5	.8	.2	.2											23	23
43	.2	.6	1.1	.6	.2	.2	.2											19	19
41	.2	.3	.3	.3														7	7
39		.3	.2															3	3
37				.2	.2													2	2
35			.2	.3														3	3
33																			
31		.2																1	1
29																			
27																			
25																			
23																			
21																			
19																			
17																			
15																			
13																			
Element (X)	Z <sub>X</sub> '	Z <sub>X</sub>	X	σ <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F								
Dry Bulb																			
Wet Bulb																			
Dew Point																			

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



GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 ATM WEATHER SERVICE/MAC

## PSYCHROMETER

USE WITH C  
 BEE FIRST

1473 WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

P 3

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		31	
1 / 11																			
1 / 11	2.9	19.7	23.8	18.3	15.2	11.9	5.5	1.8											62

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Temp.	W.B.	W.B.T.D.	No. Obs.	Mean No. of Hours with Tempo					
50-55	41518	69.8	17.465	623	= 0 F	= 32 F	= 67 F	= 73 F	= 80
56-61	15195	56.5	8.84	623		.1	11.6	2.7	
62-67	11314	51.3	7.894	623		.7	2.1		
68-73	8815	40.0	10.554	623		9.3	.9		

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14713 ESTOVER AFB MA 69-70, 73-81 YEARS MAY MONTH

PAGE 1 ALL MONTH (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1/ 97												.1						6	6		
1/ 92												.1	.1					8	8		
1/ 89								.1	.1	.1	.2	.2	.2					26	26		
3/ 87								.2	.2	.2	.2	.2	.2					21	21		
6/ 85							.1	.1	.1	.2	.2	.2	.2					49	49		
7/ 82						.1	.1	.2	.2	.2	.2	.2	.2					58	58		
1/ 77					.1	.2	.3	.4	.4	.4	.4	.4	.4					85	85		
1/ 72				.1	.2	.3	.4	.4	.4	.4	.4	.4	.4					121	121		
7/ 77				.1	.2	.3	.3	.3	.3	.3	.3	.3	.3					123	123		
1/ 72				.2	.3	.4	.4	.4	.4	.4	.4	.4	.4					179	179		
4/ 73		.1	.1	.2	.3	.4	.4	.4	.4	.4	.4	.4	.4					195	195	24	
1/ 72		.1	.1	.2	.3	.4	.4	.4	.4	.4	.4	.4	.4					248	248	57	4
1/ 69	.1	.1	.2	.3	.4	.5	.5	.5	.5	.5	.5	.5	.5					278	278	124	16
4/ 67	.1	.2	.3	.4	.5	.6	.6	.6	.6	.6	.6	.6	.6					319	319	181	42
6/ 65	.1	.2	.3	.4	.5	.6	1.1	1.1	1.1	1.1	1.1	1.1	1.1					331	331	270	102
4/ 63	.1	.2	.3	.4	.5	.6	1.2	1.1	1.1	1.1	1.1	1.1	1.1					437	437	264	175
1/ 61	.1	1.1	.9	.7	.8	1.1	.7	.8	.8	.8	.8	.8	.8					420	420	360	175
1/ 59	.2	1.5	1.4	1.1	1.1	1.0	.8	.8	.8	.8	.8	.8	.8					497	497	410	243
1/ 57	.1	1.9	1.8	1.4	1.4	.9	.7	.7	.7	.7	.7	.7	.7					445	445	438	337
5/ 55	.1	1.7	1.6	1.1	1.0	.7	.5	.5	.5	.5	.5	.5	.5					435	435	520	429
4/ 52	.5	1.5	1.6	.9	.7	.5	.2	.1	.1	.1	.1	.1	.1					385	385	593	357
2/ 51	.4	1.4	1.7	1.1	.7	.5	.2	.1	.1	.1	.1	.1	.1					376	376	591	341
1/ 49	.2	2.0	1.4	.9	.4	.4	.1	.1	.1	.1	.1	.1	.1					336	336	525	356
1/ 57	.1	1.6	1.0	.9	.2	.1	.1	.1	.1	.1	.1	.1	.1					238	238	542	451
1/ 45		1.1	1.0	.3	.3	.1	.0	.0	.0	.0	.0	.0	.0					168	168	414	472
4/ 43	.1	.8	.8	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1					129	129	317	428
2/ 41	.1	.6	.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1					82	82	218	384
3/ 39	.1	.4	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0					58	58	163	377
1/ 37	.2	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0					45	45	98	322
5/ 35	.1	.2	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0					34	34	56	266
34/ 33	.0	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					21	21	42	175
2/ 31		.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					14	14	24	195
1/ 29		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					10	10	23	133
23/ 27		.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0					8	8	16	124
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (O.L.A.) REVISED PERVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64



GLOBAL CLIMATOLOGY BRANCH  
AFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1-7-3 STATION STOVER AFB MA STATION NAME

69-70, 73-80 YEARS

MAY MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
75		0.7																1	1	4	92
73																				1	61
71																					38
70																					8
69																					21
68																					17
67																					7
66																					11
TOTAL	2.4	18.6	15.4	12.3	10.7	10.8	9.3	7.3	5.3	3.6	2.0	1.0	.1				6202	6202	6202	6202	

Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	27545894	390984	63.0	21.617	6202		3.5	208.3	104.5	36.5	.7	744
Wet Bulb	17820430	328218	52.9	8.525	6202		8.6	46.2	2.9			744
Dew Point	13821954	285048	46.0	10.783	6202		87.2	7.4				744

USAFETAC FORM 0-26-5 (O.L.A.) REVISED WITHOUT NOTICE OF THIS FORM AND OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

14/03 ESTOVER AFB MA STATION NAME

69-70, 73-75, 80 YEARS

JUN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
67-75				.2	.2													2	2						
47-75			.4	.2			.2											4	4						
/ 71		1.8	1.8	.2			.2											18	18	1					
/ 69		2.7	3.1	.4		.2												29	29	15	9				
/ 67	.2	2.9	3.8	.4	.4													35	35	25	17				
67-65	1.3	5.5	2.7	1.6														50	50	38	34				
47-65	1.3	3.8	1.1	2.2	.4													40	40	46	40				
/ 61	.4	4.4	2.7	.9	.4	.2												41	41	35	33				
/ 59	.2	6.4	2.2	1.1		.2												46	46	44	35				
/ 57	.2	3.3	1.3	.4	.4													35	35	41	34				
57-55	.7	4.7	1.3	.9	.2													35	35	41	34				
47-53	.2	5.1	1.3	.7														33	33	40	46				
/ 51	.2	3.8	2.0	.2														28	28	38	45				
/ 49	.2	3.1	1.1	.2														21	21	31	36				
/ 47		3.5	.4															18	18	25	19				
47-45		2.2																10	17	19	33				
47-43		.7																3	3	1	16				
27-43	.2	.2																2	2	2	15				
/ 41		.2																1	1	1	4				
47-37		.2																1	1	1	1				
/ 35																					1				
TOTAL		154	127	9	2	.7	.4											451		451	421				
Element (X)	Σ H'		Σ H		Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total											
Rel. Hum.	3334873		38539		85.5	9.571	451	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	92											
Dry Bulb	1635928		26968		59.8	7.203	451			17.6	1.2			92											
Wet Bulb	1499365		25813		57.2	6.985	451			8.2				92											
Dew Point	1807036		28964		55.8	7.886	451			5.2				92											

STATION WEATHER SERVICE REPORT OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (O.L.A.)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

10-7-73 ESTOVER AFB MA

69-70, 73-75

JUN  
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb		Dew Point		
4/ 71					.4															2	2		
/ 71		.4	.4	.2																5	5		
/ 69		2.4	2.2																	21	21	6	
/ 67		3.6	1.8		.7		.2													28	28	22	19
6/ 5	1.8	4.7	2.9	.4			.2													45	45	29	28
4/ 53	3.1	6.2	1.6	.7	.2	.2														54	54	54	36
/ 61	.4	4.4	1.8	.9																34	34	35	45
/ 59	.4	5.6	2.7																	39	39	35	27
/ 57		6.0	3.1																	41	41	42	29
5/ 55		4.7	1.3																	27	27	48	44
4/ 53	.9	4.0	1.6	.7																32	32	25	41
/ 51	.7	4.4	.7	.2																27	27	38	36
5/ 49	.7	4.0																		21	21	24	36
/ 47		4.0	.7																	21	21	21	26
/ 45		4.7	.2																	22	22	21	15
4/ 43	.2	4.2																		20	20	26	17
2/ 41	.2	1.6																		8	9	14	27
/ 39																						3	18
/ 37	.4																			2	2	2	4
/ 35	.2																			1	1	1	2
TOTAL	2.1	64.9	20.9	3.1	1.3	.2	.4													450	450	450	457
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	°	No. Obs.	Mean No. of Hours with Temperature					Total												
Rel. Hum.	3557287	39843	88.5	8.090	450	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F												
Dry Bulb	1525873	25959	57.7	7.951	450			11.2	.4			90											
Wet Bulb	1424964	25084	55.7	7.719	450			5.6				90											
Dew Point	1355955	24439	54.3	8.055	450			3.8				90											

USAFETAC FORM 0-20-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14723 WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

JUN MONTH

PAGE 1 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
47 83					.1													1	1	
47 81						.1												1	1	
47 79				.1	.1		.3											5	5	
47 77			.1	.3	.3	.1	.2											10	10	
47 75			.3	.9	.1	.3	.1											16	16	1
47 73		.3	1.0	1.2	.7	.2												31	31	4
47 71	.2	1.2	1.9	.8	1.0	.2												48	48	15
47 69		2.3	3.0	1.6	1.3	.2		.1										81	81	47
47 67	.4	2.8	3.2	2.0	1.6	.8												97	97	57
47 65	.9	4.3	1.6	1.9	1.0	.4												91	91	82
47 63	.8	3.7	1.9	2.3	.8	.3	.1											89	89	106
47 61	.4	2.2	1.2	1.3	1.2	.4												81	81	73
47 59	.1	3.1	4.7	2.2	1.3	.6												99	99	84
47 57	.3	2.4	2.9	1.2	1.2	.3												77	77	105
57 55	.4	2.9	2.7	.8	.8	.1												69	69	76
47 53		2.4	1.1	.8														39	39	86
47 51		2.1	.9	.7			.1											33	33	65
57 49		1.0	.3	.1														13	13	46
47 47	.1	.7	.3		.1													11	11	31
47 45	.1	.3																6	6	18
47 43			.1															1	1	2
27 41																				3
37 39																				2
37 37																				1
37 35																				1
37 33																				1
TOTAL	3.9	31.9	29.1	18.4	11.3	4.4	.8	.1										899	899	899
Element (X)	Zg'	Zg	Z	°s	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	5792997	71289	79.3	12.482	899	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total								
Dry Bulb	3583742	56426	62.8	6.851	899			29.0	6.4	.5		90								
Wet Bulb	3160619	52949	58.9	6.648	899			12.8	.5			90								
Dew Point	2873563	50349	56.0	7.736	899			.3	8.0			90								

FORM 0-26-5 (O/L A) AIR WEATHER SERVICE USE ONLY  
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 69-70,73-80 JUN  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 0900-1100  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
91																		1	1		
89									.2	.1	.2	.1						6	6		
87						.1	.8	.2		.3	.1							14	14		
85						.2	.2	.3	.3									10	10		
83						.8	.4	.8	.2									20	20		
81					.4	1.1	.6	1.3	.3	.1				.1				36	36		
79				.3	1.0	1.7	.8	.9	.2	.2								46	46		
77			.1	.9	2.1	1.0	1.6	.7	.6	.3	.1							66	66		3
75		.1	1.0	2.0	1.4	1.9	1.0	1.8	.2	.2								87	87		15
73		.2	.9	1.8	1.1	1.8	1.6	1.6	.4									81	81		30
71	.2	.8	1.9	1.6	1.8	1.3	1.9	1.0	.4									98	98		63
69		1.1	2.1	1.3	2.2	1.6	1.1	1.0	.4									98	98		84
67	.1	1.1	1.7	1.4	1.2	1.3	.7	1.1	.2									80	80		85
65	.2	1.1	.7	1.7	1.4	1.2	1.0	.8										71	71		96
63		.4	.4	1.7	.8	1.3	1.2	.3										56	56		81
61		1.2	1.3	.9	.4	.9	.6											48	48		118
59		1.3	1.1	.4	.3	.4	.6											38	38		90
57		.8	.6	.7	.1	.2	.2											23	23		88
55		.8	.6		.3	.1												16	16		57
53		.2			.2													4	4		56
51						.1												1	1		28
49																					12
47																					10
45																					2
43																					1
41																					1
39																					2
37																					15
35																					4
33																					1
31																					2
TOTAL	.6	9.2	12.3	14.7	15.1	16.8	14.1	11.7	3.6	1.6	.3	.1						900	900		900
Element (X)	Σx <sup>2</sup>	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	3815285	56793	63.1	16.046	900	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	4565647	63759	70.8	7.406	900			64.3	36.7	11.8		90									
Wet Bulb	3569649	56379	62.6	6.491	900			28.0	4.8			90									
Dew Point	2976519	51177	56.9	8.595	900			.2	12.7	.3		90									

USAFETAC FORM 0-26-5 (OLA) 1-67 USE PREVIOUS EDITIONS OF THIS FORM AND CALCULATOR

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

10703 WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

JUN MONTH

PAGE 1 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							
2/101													.1				1	1										
3/ 97																	1	1										
6/ 95																	1	1										
7/ 93													.1				11	11										
7/ 91													.2	.8	.3	.4	.7	22	22									
7/ 89													.1	1.0	.4	.7	.2	22	22									
4/ 87													.1	.4	1.1	.7	.1	22	22									
6/ 85														.8	1.2	1.2	.4	.3	.2	42	42							
7/ 83														.1	.9	.9	.7	.9	.1	.2	42	42						
7/ 81														.7	1.1	1.1	1.7	1.0	1.3	.6	.2	69	69					
7/ 79														.3	.8	1.8	1.3	1.3	1.6	2.4	.6	.2	93	93				
7/ 77														.7	1.9	1.1	2.1	.8	1.2	1.1	.8	.8	88	88	12			
8/ 75														.2	.8	1.1	.9	.4	2.1	1.7	1.2		91	91	26			
8/ 73														.8	.4	1.2	1.1	.9	1.2	1.8	.7	.1	88	88	59	6		
7/ 71														.4	1.0	1.1	1.3	.6	1.6	1.3	1.3	.6	83	83	79	25		
7/ 69														.2	.6	1.2	.7	.9	.4	.9	.8	.2	61	61	102	47		
7/ 67														.6	.4	.4	.3	.4	.4	.9	.7		38	38	82	62		
6/ 65														.2	.3	.9	.8	.8	.4	.3			39	34	100	72		
4/ 63														.4	.6	.9							27	27	75	75		
2/ 61														.9	1.2	.8	.3						38	38	93	64		
7/ 59														.7	.3	.1	.2						12	12	86	72		
7/ 57														.7	.3	.1	.2						12	12	83	66		
5/ 55														.2	.3	.1	.2						5	5	43	64		
4/ 53														.1									1	1	28	63		
2/ 51																										17	56	
5/ 49																										11	48	
7/ 47																										1	33	
4/ 45																										3	41	
4/ 43																											30	
2/ 41																											25	
40/ 39																											22	
34/ 37																											20	
36/ 35																											7	
34/ 33																											1	
Element (X)	2 <sub>1</sub>	2 <sub>2</sub>	3	4	No. Obs.				Mean No. of Hours with Temperature						Total													
Rel. Hum.									≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F														
Dry Bulb																												
Wet Bulb																												
Dew Point																												

USAFETAC FORM 0-26-5 (OLA) AIR 68 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 69-70.73-80 JUN  
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		> 31	Dry Bulb	Wet Bulb	Dew Point
2 / 31																					1
TOTAL		.2	5.9	6.7	9.4	9.8	10.3	12.3	14.7	13.9	10.9	3.3	2.3	.2				900	900	900	
Element (X)	$\Sigma g'$	$\Sigma g$	$\bar{x}$	$s^2$	No. Obs.				Mean No. of Hours with Temperature						Total						
Rel. Hum.	2951057	49075	58.5	17.557	900				≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90						
Dry Bulb	5194313	67975	75.5	8.150	900						77.1	58.9	28.4	1.4	90						
Wet Bulb	3762960	57902	64.3	6.485	900						36.0	9.7			90						
Dew Point	2970612	51050	56.7	9.130	900						14.0	.6			90						

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

JUN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL																																																																																														
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb	Dew Point																																																																																											
102/101														.1			1	1																																																																																														
100/99													.1	.1			2	2																																																																																														
96/95												.2					2	2																																																																																														
94/93											.1	.6	.3	.2			11	11																																																																																														
93/91							.1	.1	.7	.4	.4	.4					16	16																																																																																														
91/89								.4	.4	.1	.1						9	9																																																																																														
89/87						.1	.8	.4	1.2	.3	.3	.1	.1				31	31																																																																																														
87/85						.2	1.1	.8	.3	1.0	.3	.1					35	35																																																																																														
83/81					.1	.6	1.1	1.2	2.0	1.2	.1	.3					60	60																																																																																														
81/79					1.0	.9	1.6	1.4	1.2	1.1	.9	.2					75	75																																																																																														
79/77				.2	1.2	1.6	1.7	1.4	1.1	2.0	.8						90	90																																																																																														
77/75			.3	.8	2.0	1.4	.9	1.3	1.4	1.3	.9	.1					95	95	4																																																																																													
75/73		.2	.9	.9	1.9	1.9	.3	1.2	1.3	1.6	.3						95	95	19																																																																																													
74/73			.8	2.0	1.0	1.0	.6	.9	2.2	.6							81	81	70	2																																																																																												
72/71	.1	.4	1.2	.1	1.0	1.0	2.1	1.3	1.4	.3							82	82	81	17																																																																																												
71/69	.2	.7	1.2	1.1	.8	1.0	1.0	1.1	.7								70	70	90	58																																																																																												
69/67		.2	.7	.6	.2	.3	.7	.4	.1								29	29	118	53																																																																																												
67/65			.2	.3	.6	.1	.3	.3	.1								18	18	80	89																																																																																												
65/63		.9	.6	.9	.3	.3	.3	.1									31	31	69	65																																																																																												
63/61	.1	.2	1.1	.6	.3	.3	.8										28	28	105	68																																																																																												
61/59	.2	.4	.7	.2		.1	.3										20	20	90	72																																																																																												
59/57		.7	.3		.2												11	11	78	58																																																																																												
57/55		.6			.1												6	6	43	68																																																																																												
55/53			.1														1	1	26	65																																																																																												
53/51			.1														1	1	9	46																																																																																												
51/49																			16	47																																																																																												
49/47																			2	50																																																																																												
47/45																				41																																																																																												
45/43																				37																																																																																												
43/41																				26																																																																																												
41/39																				17																																																																																												
39/37																				17																																																																																												
37/35																				4																																																																																												
Element (X)	2g'		2g		I		°		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) REVISE PREVIOUS EDITIONS OF THIS FORM AND CONCITE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

69-70,73-80 YEARS

JUN 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	.7	4.3	8.2	7.7	10.4	11.1	13.6	12.2	13.8	10.7	4.8	1.9	.4	.2				900	900	900	
Element (X)	Σ X <sup>2</sup>		Σ X		Σ X	Σ X	No. Obs.					Mean No. of Hours with Temperature									
Rel. Hum.	2953417		49009		54.5	17.794	900					± 0 F	± 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb	5208996		68086		75.7	8.047	900							78.4	60.3	28.5	1.6	90			
Wet Bulb	3765242		57940		64.4	6.257	900							38.2	9.3			90			
Dew Point	2967185		51053		56.7	8.898	900							13.0	.2			90			

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



2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-703 WESTOVER AFB MA 69-70, 73-80 YEARS JUN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥31	Dry Bulb	Wet Bulb
5/ 97																		2	2	
7/ 91																		3	3	
7/ 85																		6	6	
8/ 87																		5	5	
6/ 85																		11	11	
4/ 82																		13	13	
7/ 81																		38	38	
7/ 79																		51	51	
7/ 77																		57	57	
6/ 75																		70	70	
4/ 73																		97	97	24
7/ 71																		93	93	61
7/ 69	.1	1.8	2.4	1.4	2.1	1.9	1.2	1.1	.6								114	114	83	45
6/ 67	.1	1.4	1.6	1.1	1.3	1.6	1.4	.8	.3								87	87	104	61
6/ 65	.1	.8	.8	1.4	1.6	1.4	.7	.6									66	66	93	91
4/ 63	.1	.4	1.8	1.0	.4	1.4	.2	.6									49	49	73	68
7/ 61	.6	.8	.9	1.0	.7	.6	.6										45	45	91	73
7/ 59		.7	1.2	.8	.1	.4	.3										30	30	100	76
7/ 57		1.0	1.2	.1	.4	.3											26	26	85	61
5/ 55		.9	.2	.3	.1	.3											17	17	65	67
4/ 53		.9	.4		.1	.1											14	14	65	51
2/ 51		.1	.3	.1													5	5	25	75
50/ 49		.1															1	1	18	52
40/ 47																			12	41
4/ 45																			3	45
4/ 43																				34
2/ 41																				19
60/ 39																				11
3/ 37																				12
5/ 35																				11
TOTAL	1.0	9.6	14.9	14.1	14.6	16.7	11.3	10.1	5.1	2.0	.7	.3	.1				900	900	900	900
Element (X)	Σx'	Σx	X	%	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.	3924261	57403	63.8	17.105	900	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	4517579	63399	70.4	7.572	900			64.7	35.3	10.3	.2	9								
Wet Bulb	3537567	56129	62.5	6.420	900			28.0	3.2			3								
Dew Point	2952989	50975	56.6	8.557	900			11.4				3								

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

GLOBAL CLIMATOLOGY BRANCH  
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 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA

69-75,73-89

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 21.0-23  
 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 Pt.
1 / 81						.2	.2											2	2		
1 / 79				.3	.3	.3	.5											9	9		
7 / 77			.5	.8	.7	.2												13	13		
6 / 75			.7	1.0	.7	.3	.3											18	18		
4 / 73		.2	1.5	.7	1.2	.3	.2											24	24	4	
1 / 71		1.2	2.3	1.3	.7	.2												32	32	15	
1 / 69	.2	2.3	3.8	2.2	.8	.3	.3	.2										61	61	38	
2 / 67	.3	3.0	5.8	2.0	1.2	1.5	1.0	.2										90	90	46	
6 / 65	.3	2.5	1.2	1.7	.8	1.7	.5											52	52	67	
4 / 63	.7	3.0	1.7	2.5	2.0	1.0	.3											67	67	67	
1 / 61	.2	2.0	2.0	2.0	1.8	1.0												54	54	38	
1 / 59	.2	2.3	2.5	1.2	.7													41	41	45	
1 / 57		4.1	2.3	1.0	1.3	.3												58	58	61	
5 / 55		2.3	1.7	.8	.2	.2												27	27	61	
4 / 53	.2	2.0	1.5	.7	.2	.2												28	28	53	
2 / 51		1.2	.7	.3	.2													14	14	37	
1 / 49		.7	.3	.2														7	7	26	
1 / 47		.5	.2															4	4	15	
1 / 45		.2																1	1	6	
4 / 43																		1	1	2	
2 / 41																		1	1	2	
1 / 39																					
1 / 37																					
1 / 35																					
3 / 33																					
TOTAL		2.0	27.4	28.0	17.9	12.8	8.1	3.5	.3									603	603	6	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_X$	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	3633431	46397	76.4	13.486	603	= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total									
Dry Bulb	2513328	38706	64.2	6.920	603			37.2	9.9	.9		9									
Wet Bulb	2170439	35959	59.6	6.582	603			15.4	.6			9									
Dew Point	1945757	33929	56.3	7.805	603			8.4				9									

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC S**

1003 WRESTOVER AFB MA 69-70, 73-80  
 STATION STATION NAME YEARS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bul																	
2/10													.0	.0																			2			
4/9													.0	.0																			2			
6/97													.0	.0																			3			
6/95													.0	.0																			3			
7/94											.0	.1	.1	.1	.0																		22	2		
7/92									.0	.1	.2	.2	.2	.2	.2																		42	4		
7/89							.0	.2	.2	.2	.2	.1	.1	.1	.1																		43	4		
7/87						.0	.2	.3	.4	.4	.3	.3	.3	.0	.0																		77	7		
6/86						.0	.2	.3	.4	.5	.5	.3	.2	.1	.1																		98	9		
7/85				.0	.5	.6	.7	.8	.8	.7	.5	.4	.2	.1	.1																		136	13		
7/83				.0	.5	.6	.7	.8	.8	.7	.5	.4	.2	.1	.1																		221	22		
7/79				.2	.6	1.0	.8	.7	.5	.7	.2	.2	.0	.0	.0																		294	29		
7/77		.0	.1	.6	1.3	.8	.8	.5	.6	.5	.3	.0	.0	.0	.0																		329	32		
7/75		.1	.6	1.2	1.0	1.1	.4	.9	.4	.5	.0	.0	.0	.0	.0																		379	37		
4/73		.2	.8	1.4	.9	.8	.7	.8	.9	.2	.0	.0	.0	.0	.0																		404	43		
7/71	.1	.8	1.7	.8	1.1	.7	1.2	.7	.8	.2	.0	.0	.0	.0	.0																		459	45		
7/69	.1	1.6	2.3	1.2	1.2	.9	.6	.6	.4	.7	.0	.0	.0	.0	.0																		535	53		
7/67	.1	1.7	2.1	1.1	.9	.8	.6	.5	.2	.0	.0	.0	.0	.0	.0																		484	48		
6/65	.4	2.1	1.1	1.2	.9	.8	.4	.2	.0	.0	.0	.0	.0	.0	.0																		427	42		
4/62	.5	1.9	1.1	1.5	.6	.6	.4	.1	.0	.0	.0	.0	.0	.0	.0																		413	41		
7/61	.2	1.7	1.7	1.0	.6	.5	.4	.0	.0	.0	.0	.0	.0	.0	.0																		369	36		
7/59	.1	2.1	1.7	.8	.3	.3	.2	.0	.0	.0	.0	.0	.0	.0	.0																		325	32		
7/57	.1	2.1	1.5	.4	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0																		283	28		
5/55	.1	1.7	.8	.3	.2	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0																		202	20		
4/53	.1	1.4	.6	.3	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0																		152	15		
2/51	.1	1.0	.5	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0																		109	10		
5/49	.1	.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0																		63	6		
4/47	.0	.7	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0																		54	5		
4/45	.0	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0																		39	3		
4/43	.0	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0																		24	2		
2/41	.0	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0																		11	1		
4/39	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0																					
3/37	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0																			3		
2/35	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0																			1		
Element (X)	Σ X'	Σ X	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 9																									
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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

AD-A110 237

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
WESTOVER AFB, CHICOPEE FALLS, MASSACHUSETTS REVISED UNIFORM SUM--ETC(U)  
OCT 81

UNCLASSIFIED

USAFETAC/DS-81/091

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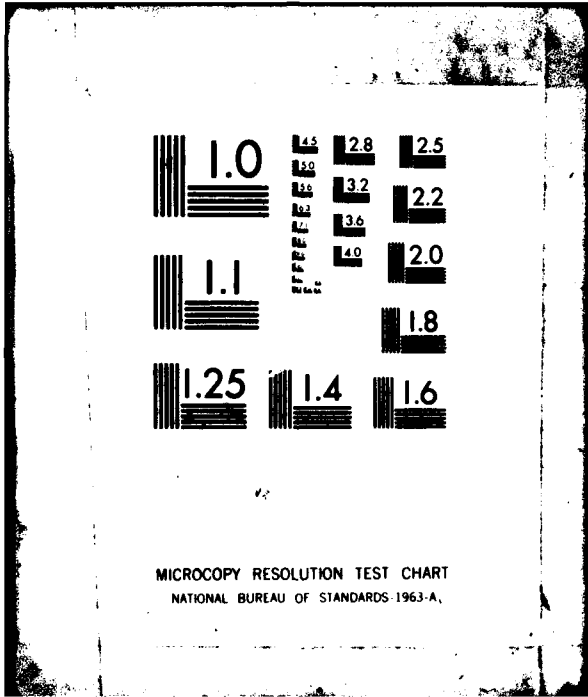
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MICROCOPY RESOLUTION TEST CHART  
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GLOBAL CLIMATOLOGY BRANCH  
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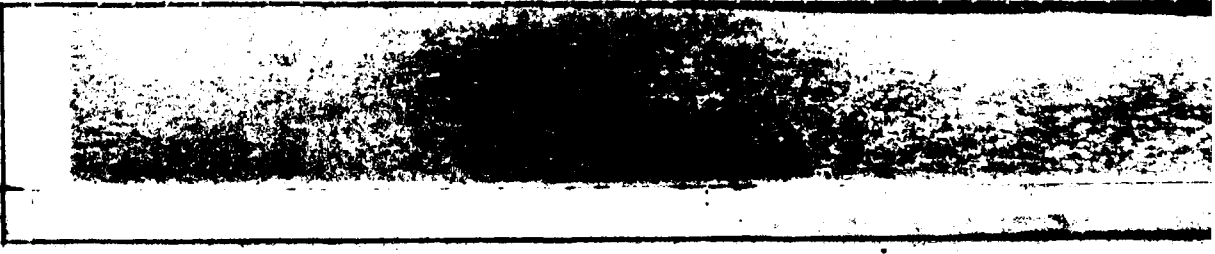
USE WITH  
 SEE FI

14723 WESTOVER AFB MA STATION STATION NAME

69-70, 73-75, 78 YEARS

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											T					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20		21-22	23-24	25-26	27-28	29-30
77 / 77			.2	.2		.2											
75 / 75			.9	.6	.6	.2	.4	.2									
73 / 73		4.5	2.1	.6	.6												
71 / 71	1.1	4.5	3.0	.4		.2											
69 / 69	2.1	5.8	4.3	.9	.2												
67 / 67	.4	3.9	4.3	1.5	1.1												
65 / 65	.6	6.4	3.2	1.7	.4												
63 / 63	.9	4.9	2.1	1.7	.2	.2											
61 / 61	.2	1.7	.9	.2	.2												
59 / 59	.6	5.2	1.7	.2													
57 / 57	1.3	4.1	.6	.4													
55 / 55	.2	4.7	1.3	.2													
53 / 53	.6	2.4	.4	.2													
51 / 51		3.0	.2														
49 / 49		1.3	.2														
47 / 47		.9		.2													
45 / 45		.2															
43 / 43																	
37 / 37																	
TOTAL	8.2	53.4	25.5	8.6	3.0	1.1	.2										
Element (X)	Z <sub>x</sub> '	Z <sub>x</sub>	Z	Z <sub>n</sub>	No. Obs.	Mean No. of Hours with 1											
Rel. Hum.	1559757	40893	86.5	9.800	466	≤ 8 F	≤ 32 F	≤ 67 F	≤ 73 F								
Dry Bulb	1954202	30010	64.4	6.813	466			40.9	9.6								
Wet Bulb	1807809	28867	61.5	6.615	466			26.5	.6								
Dew Point	1719436	28118	60.3	7.006	466			21.0									

USAFETAC FORM 0-26-5 (O.L.A.) REVERSED MIRROR IMAGES OF THIS FORM ARE OBSOLETE



2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
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# PSYCHROMETRIC SUMMARY

14703 STATION WESTOVER AFB MA STATION NAME 69-70,73-80 YEARS JUN MONTH

PAGE 2 ALL  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL D.B./W.B.	TOTAL HOURS (L. S. T.)			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb		Dew Point			
3-7 33																								3
27 31																								6
TOTAL	2.2	20.9	17.1	12.4	10.7	9.7	8.2	7.3	5.4	3.8	1.4	.7	.1	.0							6003	6003	6003	
Element (X)	Σ X <sup>2</sup>		Σ X		X		C <sub>a</sub>		No. Obs.		Mean No. of Hours with Temperature						Total							
Rel. Hum.	29964008	408048	68.0	19.26	6003	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F													
Dry Bulb	28785406	411278	68.5	9.727	6003			423.1	245.9	96.1	3.8											720		
Wet Bulb	22890803	368175	61.3	7.186	6003			191.7	33.5													720		
Dew Point	19449612	337932	56.3	8.426	6003			.7	83.0	1.3												720		

USAFETAC FORM 0-26-5 (OLA) REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. JUN 64



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**  
 USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA STATION STATION NAME

69-70, 73-75 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
7 / 77						.2												1	1		
6 / 75				.2	.2													2	2		
4 / 73		4.1		.2														20	20	1	
3 / 71		5.8	1.1	.9														36	36	25	13
1 / 69	2.2	7.1	3.2	.2														59	59	49	48
6 / 67	2.2	2.2	3.7	.6														40	40	38	40
6 / 65	.6	7.3	2.4	.6														51	51	41	22
4 / 63	.4	7.3	3.9	1.3	.2													61	61	53	45
2 / 61	1.9	3.0	.9	.9														29	29	49	59
1 / 59	.2	3.4	1.3	.6														26	26	44	35
5 / 57	1.3	3.4	.9	.2														27	27	24	40
5 / 55	.4	4.3	.4	.6														27	27	32	34
4 / 53	1.3	3.0		.2														21	21	28	30
2 / 51	1.3	3.9	.4															26	26	23	27
5 / 49	.2	4.1																20	20	23	18
4 / 47		2.8																13	13	19	27
4 / 45		.9																4	4	10	15
4 / 43		.4																2	2	6	7
2 / 41																					5
TOTAL	11.6	63.0	18.1	6.7	.4	.2												465	465	465	465
Element (X)	$\Sigma X^1$	$\Sigma X^2$	$\Sigma X$	$\sigma_n$	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	3730162	41484	89.2	7.940	465	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb	1837167	29025	62.4	7.405	465			31.6	4.6			93									
Wet Bulb	1724952	28118	60.9	7.295	465			22.6	.2			93									
Dew Point	1655940	27526	59.2	7.560	465			20.2				93									

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

GLOBAL CLIMATOLOGY BRANCH  
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# PSYCHROMETRIC SUMMARY

1473 WESTOVER AFB MA

69-70, 73-80

JUL

PAGE 1 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
67/95					.1													1	1	
7/81					.3	.1	.2											6	6	
7/79			.3	.5	.5	.3												16	16	
7/77			.5	1.1	.6	.3	.2											25	25	1
6/75		.3	2.3	1.5	1.0	.9												50	50	7
4/73	.4	1.7	2.9	1.9	.6	.9	.1	.2										82	82	32
7/71	.3	2.8	5.1	.6	1.6	.4	.2	.1										104	104	59
7/69	.6	3.0	4.1	2.2	1.5	.8	.2											115	115	101
7/67	.3	3.8	4.4	2.7	2.0	.5	.2	.1										131	131	99
6/65	.4	5.9	3.8	2.4	1.0	.2	.1											128	128	96
4/63	.5	2.9	2.8	.8	1.5	.2												81	81	145
7/61	.2	2.6	1.7	1.0	.5	.1												57	57	101
7/59	.1	1.9	1.6	1.1	.2													46	46	97
7/57	.4	1.9	.4	.3	.2													31	31	61
5/55	.1	1.7	.9	.3	.1													29	29	51
4/53	.1	1.1	.3															14	14	41
2/51		.1	.2															3	3	19
5/49		.9																8	8	9
4/47		.3																3	3	9
4/45																				2
4/43																				8
2/41																				2
TOTAL	3.7	31.0	31.3	16.2	11.9	4.2	1.3	.4										930	930	930
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	I	C <sub>2</sub>	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	6119975	74645	80.3	11.771	930	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93								
Dry Bulb	4236021	62501	67.2	6.192	930			53.0	18.0	1.7		93								
Wet Bulb	3756489	58851	63.3	5.902	930			29.9	4.0			93								
Dew Point	3869108	56888	60.7	6.795	930			21.3	1.5			93								

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION

69-70,73-80 YEARS

JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point															
94/ 93								.1	.1																						2	2			
91/ 91								.5	.5																						5	5			
89/ 89						.2	.2	.3	.1	.2																					10	10			
87/ 87			.1			.5	.5	.1	.1	.1																					14	14			
85/ 85				.2	1.2	.8	.6	.6	.2																						34	34			
83/ 83				.1	1.0	1.4	.8	.6	.2							.1															54	54			
81/ 81			.1	.3	2.2	1.9	2.3	1.2	.6	.4																					84	84		1	
79/ 79			.2	1.3	2.3	2.2	2.3	1.4	.8	.4																					100	100		4	
77/ 77		.1	.8	1.4	2.9	2.0	2.4	.9	.8	.1																					105	105	20	1	
75/ 75		.3	1.0	2.5	2.6	2.7	1.4	1.1	.3	.1																					111	111	37	5	
73/ 73	.1	1.0	1.4	2.3	1.7	2.6	1.4	1.6	.9	.1																					121	121	85	21	
71/ 71		.6	1.5	1.0	2.2	2.3	1.4	.8	.5																						95	95	105	71	
69/ 69		.8	1.6	.8	1.4	1.3	1.2	.4	.6																						75	75	132	74	
67/ 67	.1	1.3	2.9	.9	1.1	1.1	.4	.2																							69	69	113	85	
65/ 65	.1	1.2	.3	.4	.4	.1	.3																								27	27	121	102	
63/ 63	.2	.5	.1		.4	.2	.2																								16	16	110	96	
61/ 61			.1			.2																									3	3	79	100	
59/ 59					.2																										2	2	49	87	
57/ 57		.1																													1	1	42	61	
55/ 55		.2																													2	2	18	48	
53/ 53																																	9	47	
51/ 51																																5	43		
49/ 49																																		28	
47/ 47																																		19	
45/ 45																																		18	
43/ 43																																		11	
41/ 41																																		8	
39/ 39																																		4	
TOTAL	.5	6.1	9.6	10.9	18.5	20.1	16.1	10.0	6.1	1.9						.1															930	930	930	930	
Element (X)	ΣR <sup>1</sup>		ΣR <sup>2</sup>		ΣR <sup>3</sup>		ΣR <sup>4</sup>		No. Obs.		Mean No. of Hours with Temperature						Total																		
Rel. Hum.	3875259		58457		62.9		14.703		930		≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																			
Dry Bulb	5352404		70328		75.6		6.058		930				87.9	64.0	25.2	.2	93																		
Wet Bulb	4181232		62148		66.8		5.504		930				49.7	19.7	.2		93																		
Dew Point	3562471		57131		61.4		7.592		930				25.8	2.8	.1		93																		

USAFETAC FORM 0-26-5 (OLA) REVERSE NETWORK EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 69-70.73-80 JUL 1200-1400  
STATION STATION NAME YEARS MONTH HOURS (L. S. T.)

PAGE 1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb
3/ 97								.1	.1	.6							8	8		
6/ 95								.2	.1	.2	.1						6	6		
4/ 93							.1	.4	.4	.3	.3						15	15		
7/ 91							.1	.6	1.3	.2	.3						26	26		
7/ 89							.5	1.1	.8	.1	.6	.3	.1				33	33		
8/ 87					.1	.2	2.0	2.2	1.7	1.2	1.0	.1	.1				80	80		
6/ 85				.1	.1	1.4	2.4	2.3	2.5	2.4	.5	.2					110	110		
7/ 84			.1		.2	1.3	1.7	2.3	2.0	1.3	.9						91	91		
7/ 81				.2	.3	2.5	1.9	2.3	1.5	1.3	.5						98	98	2	
7/ 79			.1	.9	1.6	.9	1.9	2.5	1.7	1.4	.8						107	107	13	
7/ 77			.6	.4	1.1	.8	2.5	1.9	1.5	.4	.1						86	86	28	3
6/ 75		.3	1.1	.5	1.0	.9	1.0	1.8	1.4	1.2							85	85	71	4
7/ 73		.6	.8	.9	.5	.4	1.0	1.2	.6	.3	.1						60	60	99	19
7/ 71		.1	.6	1.1	.8	.3	.3	.4	.6	.2							42	42	117	54
7/ 69	.5	.8	1.0	.3	.1	.2	.1	.3									31	31	126	91
7/ 67	.2	.4	1.6		.4	.4	.1	.1									31	31	126	96
6/ 65	.1	.2	.6			.1	.3	.1									14	14	116	75
4/ 63						.1	.1										2	2	84	89
2/ 61		.2															2	2	64	79
7/ 59																			39	91
7/ 57		.3															3	3	22	69
5/ 55																			16	64
4/ 53																			3	46
2/ 51																			2	44
5/ 49																				31
7/ 47																				23
4/ 45																				21
4/ 43																				15
2/ 41																				10
4/ 39																				5
32/ 37																				1
TOTAL	.9	3.0	6.6	4.4	6.1	9.5	16.0	19.1	16.5	10.6	5.7	1.4	.2				930	930	930	
Element (X)	Σ X'		Σ X		Σ X	Σ X	No. Obs.					Mean No. of Hours with Temperature								
Rel. Hum.	2891789		49713		53.5	15.884	930					± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total		
Dry Bulb	6038831		74669		80.3	6.860	930							90.9	80.5	52.2	2.9	93		
Wet Bulb	4342631		63349		68.1	5.438	930							58.4	21.3	.6		93		
Dew Point	3498442		56573		60.8	7.836	930							26.7	2.6			93		

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA  
STATION STATION NAME

69-70.73-80  
YEARS

JUL  
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
3/ 97										.1	.5	.1						7	7		
6/ 95										.2	.3	.2						7	7		
4/ 93								.1	.2	.2	.1							6	6		
7/ 91							.2	.3	1.4	1.0	.1	.2						30	30		
1/ 89					.2	.1	.2	.9	1.5	.8	.4	.6	.2	.1				45	45		
8/ 87					.2	.3	1.1	1.0	2.5	.9	1.0							64	64		
6/ 85				.1		.5	1.6	3.9	2.8	1.8	1.1	.1						111	111		
4/ 83					.3	1.1	2.5	2.0	2.3	1.3	.6	.1						95	95		
1/ 81			.1	.2	1.4	1.7	2.4	1.8	1.4	1.3	1.1	.1						107	107		
7/ 79			.4	.4	1.6	1.4	1.6	2.5	1.6	1.3	.6							107	107	13	
7/ 77			.5	1.0	.6	1.7	.8	1.9	1.9	.5								89	89	20	1
6/ 75		.4	1.0	.8	.9	1.3	1.6	.8	1.2	.6	.4							83	83	56	9
4/ 73	.1	.9	.4	1.2	.3	.6	.8	.9	1.4									58	58	112	16
7/ 71	.2	.4	1.2	1.0	.3	.1	.3	.4										38	38	143	47
7/ 69	.2	.8	1.4	.8	.8	.4	.5											45	45	119	77
6/ 67	.1	.8	.3	.1	.5		.2											18	18	124	87
6/ 65		.1	.5		.1		.1											8	8	99	103
4/ 63		.2	.3		.1	.1												9	9	86	102
2/ 61																				69	89
7/ 59			.1															1	1	53	75
7/ 57		.1	.1															2	2	21	64
5/ 55																				12	58
4/ 53																				2	40
2/ 51																				1	36
5/ 49																					39
8/ 47																					37
4/ 45																					25
4/ 43																					9
2/ 41																					9
4/ 39																					4
3/ 37																					3
TOTAL	.4	2.7	7.1	5.3	6.5	8.6	14.4	16.1	18.2	11.4	6.8	1.6	.2	.1				930	930		930
Element (X)	Σh'		Σh		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										
Rel. Hum.	2870822		49456		53.2		16.101		930		≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total				
Dry Bulb	6095664		74724		80.3		6.701		930				91.0	80.9	53.6	2.0	93				
Wet Bulb	4333575		63293		68.3		5.295		930				58.7	20.1	.4		93				
Dew Point	3981585		56433		60.7		7.863		930				23.7	2.6			93				

FORM 0-26-5 (OLA) REVISION 5/68 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14713 WESTOVER AFB MA 69-70.73-80 JUL  
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point					
7/ 91								.1										1	1						
6/ 89							.2	.5	.3									10	10						
8/ 87						.4	.8	.1	.1	.1	.1							16	16						
6/ 85				.1	.2	.8	.3	.8	.3	.1	.2	.1						27	27						
4/ 83				.1	.8	.6	1.3	1.3	.6	.4	.2	.1						51	51						
7/ 81			.2	.5	1.7	2.2	1.3	1.4	.3	.3								74	74						
7/ 79				1.1	1.9	2.3	1.6	1.1	.5	.2	.1							82	82	5					
7/ 77		.1	.9	1.6	2.7	1.5	2.4	.6	1.0	.2								102	102	10					
8/ 75		.6	1.4	2.3	2.3	1.9	1.4	1.2	.3	.8	.1							114	114	37					
4/ 73	.3	1.5	1.9	2.5	1.7	1.9	2.0	.8	.8	.2								127	127	77					
7/ 71	.1	1.1	2.0	2.5	1.8	1.2	1.1	.5	.3									99	99	116					
7/ 69		1.0	1.8	1.1	1.7	.9	.6	1.2	.1									78	78	117					
6/ 67	.3	.8	1.6	.9	1.3	.5	.6											56	56	131					
6/ 65		1.3	1.7	.3	1.1	.4	.2											46	46	103					
4/ 63		.3	.6	.4	.2	.2	.2											19	19	109					
7/ 61		.5	.9	.4	.2	.1												20	20	80					
7/ 59			.1	.1														2	2	64					
6/ 57		.1	.5															6	6	48					
5/ 55																				25					
4/ 53																				6					
2/ 51																				2					
5/ 49																									
7/ 47																									
4/ 45																									
4/ 43																									
2/ 41																									
3/ 37																									
TOTAL	.6	7.3	13.6	13.9	17.5	14.9	14.1	9.6	4.7	2.4	.8	.3						930	930	930					
																		930		930					
Element (X)	ΣX'		ΣX		X	ΣX	No. Obs.	Mean No. of Hours with Temperature					Total												
Rel. Hum.	4114608		60102		64.6	15.750	930	≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total											
Dry Bulb	5239064		69560		74.8	6.249	930			83.7	60.4	22.8		93											
Wet Bulb	4138155		61837		66.5	5.424	930			49.3	12.9			93											
Dew Point	1587438		57018		61.3	7.476	930			26.2	2.7			93											

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

YEARS

JUL 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
6/ 85							.2											1	1	
4/ 83							.3											2	2	
7/ 81				.3	.2		.3	.3										7	7	
7/ 79				1.3	.6	.2	.6	.3										19	19	
7/ 77			1.0	1.0	1.6	.3	.3											26	26	1
8/ 75		.2	2.7	2.1	1.0	.6	.6	.2										46	46	2
4/ 73	.2	3.2	2.7	2.1	1.3	.5	.2	.3										65	65	30
7/ 71	.2	4.0	4.5	2.6	.8	.8	.2		.2									82	82	64
7/ 69	.3	3.1	4.5	1.9	2.4	.6												80	80	76
5/ 67		3.2	3.1	1.3	1.6	.6	.2	.2										63	63	57
6/ 65	.2	4.2	2.9	1.9	1.6	.6												71	71	83
4/ 63	.3	3.2	2.1	.5	.6	.5												45	45	71
7/ 61	.5	2.4	2.3	1.0	.6													42	42	67
7/ 59	.5	2.6	1.0	1.0	.2													32	32	61
7/ 57		1.3	1.3	.3		.2												19	19	40
5/ 55	.2	1.1	.3	.2														11	11	34
4/ 53		.6	.3															6	6	19
2/ 51		.2			.3													3	3	10
5/ 49		.3																2	2	2
3/ 47																				3
4/ 45																				2
4/ 43																				
2/ 41																				1
3/ 37																				3
TOTAL	2.3	29.6	28.6	17.4	12.9	5.3	2.6	1.3	.2									622	622	622
Element (X)	Σ X <sup>2</sup>	Σ X	Σ X	Σ X	Σ X	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.	3983058	49128	79.5	12.862	622	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	2936006	42556	68.4	6.269	622			58.5	24.8	3.9		93								
Wet Bulb	2578456	39884	64.3	5.816	622			34.4	4.9			93								
Dew Point	2369982	38160	61.4	6.816	622			25.4	1.0			93								

USAFETAC FORM AIR 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 69-70.73-80 JUL  
 STATION STATION NAME YEARS 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
8/ 97									.0	.0	.2	.0						15	15		
6/ 95									.0	.0	.1	.0						13	13		
4/ 93								.0	.1	.1	.0	.1						23	23		
7/ 91							.0	.2	.4	.2	.0	.1						62	62		
7/ 89						.0	.2	.4	.4	.2	.1	.1		.0	.0			98	98		
8/ 87			.7		.5	.2	.7	.5	.7	.3	.3	.0	.0					174	174		
6/ 85				.0	.1	.6	.8	1.1	.9	.7	.3	.1						284	284		
4/ 83			.0	.0	.3	.7	1.0	1.0	.8	.5	.3	.0						293	293	1	
7/ 81			.1	.2	.9	1.3	1.2	1.0	.6	.5	.2	.0						376	376	2	1
7/ 79			.2	.8	1.3	1.1	1.2	1.1	.7	.5	.2	.0						431	431	35	
7-7/ 77		.0	.6	.9	1.4	.9	1.4	.6	.8	.4	.1							437	437	80	7
6/ 75		.3	1.3	1.4	1.3	1.2	.9	.7	.5	.4	.1							499	499	210	27
4/ 73	.2	1.8	1.5	1.6	.9	1.0	.8	.7	.5	.1	.0							570	570	439	94
7/ 71	.2	2.0	2.3	1.3	1.1	.7	.5	.3	.2	.0								539	539	674	339
7/ 69	.6	2.2	2.5	1.0	1.1	.5	.4	.4	.1									545	545	764	573
6-7/ 67	.4	1.7	2.5	1.0	1.0	.5	.2	.1										460	460	731	572
6/ 65	.2	2.8	1.8	.8	.5	.2	.1	.7										403	403	710	566
4/ 63	.2	1.8	1.3	.5	.4	.2	.1	.7										280	280	715	640
2/ 61	.2	1.1	.8	.4	.2	.1												168	168	555	662
7/ 59	.1	1.2	.6	.3	.1													145	145	445	556
5-7/ 57	.3	1.1	.4	.1	.0	.0												119	119	295	487
5-7/ 55	.1	1.1	.3	.1	.0													99	99	218	415
4/ 53	.2	.6	.1	.0														58	58	133	322
2/ 51	.1	.5	.1	.0														47	47	85	298
50/ 49	.0	.6	.0															37	37	50	213
3-7/ 47		.3	.0															21	21	35	172
40/ 45		.1																5	5	19	125
4/ 43		.0																2	2	7	69
2/ 41																					41
40/ 39																					13
3-7/ 37																					11
TOTAL	2.7	19.2	16.9	10.5	10.7	9.2	9.6	8.4	6.8	3.9	2.0	.5	.1	.0				6203	6203		6203
Element (X)	ΣX <sup>2</sup>	ΣX	X̄	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Num.	31145426	423476	68.3	18.982	6203	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	33639359	453373	73.1	9.002	6203			578.0	392.8	189.3	6.1	744									
Wet Bulb	26863313	406335	65.5	6.296	6203			352.1	92.0	1.4		744									
Dew Point	23308903	377403	60.8	7.433	6203			193.5	15.5	.1		744									

USAFETAC FORM 0-26-5 (OL A) REPRODUCED WITHOUT CHANGES FROM THE ORIGINAL SOURCE



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**  
 WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

69-70, 73-75, 80 YEARS

AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
67 / 75			.9	.2																												5	5			
47 / 73	.9	1.9	3.2																													28	28	4	4	
71 / 71	.6	7.1	3.8	.2		.2																										56	56	34	18	
69 / 69	1.7	3.8	3.0		.2																											41	41	50	42	
67 / 67		3.8	1.9	.9	.4	.2																										34	34	39	40	
65 / 65	.2	9.4	1.1	.4	.2																											53	53	36	31	
63 / 63	.2	9.6	2.1	.4	.6																											61	61	61	57	
61 / 61	.6	5.8	1.7	.4																												40	40	46	52	
59 / 59	.6	7.9	.9																													44	44	51	37	
57 / 57		6.2	.6																													32	32	43	57	
55 / 55	.4	3.8	.4	.2																												23	23	38	42	
53 / 53		3.8																														18	18	24	27	
51 / 51	.4	1.9		.2																												12	12	13	25	
49 / 49		2.1	.2																													11	11	11	10	
47 / 47		.9																														4	4	13	10	
45 / 45		.9																														4	4	3	9	
43 / 43		.4																														2	2	3	2	
41 / 41																																			1	4
39 / 39																																			1	
TOTAL	5.8	69.4	19.9	3.0	1.5	.4																										468	468	468	466	
Element (X)	Σ X'		Σ X		X	C <sub>n</sub>	No. Obs.		Mean No. of Hours with Temperature										Total																	
Rel. Hum.	3790223		41977		89.7	7.334	468		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																					
Dry Bulb	1906967		29703		63.5	6.829	468				32.6	6.6			93																					
Wet Bulb	1794052		28810		61.6	6.628	468				25.2	.8			93																					
Dew Point	1728883		28265		60.4	6.834	468				20.7	.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 SUMMAR

USE WITH CAUTION  
 SEE FIRST PAGE

14703 ESTOVER AFB MA

69-70, 73-75, 79-80

AUG  
 MONTH

PAGE 1 2300-05  
 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 Poi															
75			.2															1	1																	
73	.4	.9	1.7															14	14																	
71	1.5	5.8	1.1	.2	.4													42	42	18	1															
69	1.5	4.7	3.0	.4														45	45	43	2															
67	1.5	3.6	1.9															33	33	45	4															
65		4.7	.6	.6														29	29	24	2															
63	1.5	7.3		.2	.2													43	43	46	4															
61	1.1	8.8	.6		.2													50	50	46	4															
59	1.1	7.7	.2															42	42	41	4															
57	.2	9.6	.2															47	47	58	4															
55	.2	6.6	.6															35	35	38	4															
53	1.1	4.1	.4															26	26	32	3															
51		2.6																12	12	21	3															
49	.2	3.0	.4															17	17	14	1															
47	.2	2.8																14	14	13	1															
45		1.5																7	7	14	1															
43		1.7																8	8	6																
41		.4																2	2	5																
39																					1															
37																																				
TOTAL	10.5	76.0	11.1	1.5	.9													467	467	467	46															
Element (X)	Σ X <sup>2</sup>	Σ X	X̄	σ <sub>x</sub>	No. Obs.	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Rel. Hum.	3955282	42888	91.8	5.962	467			26.9	3.0			9																								
Dry Bulb	1777647	28599	61.2	7.505	467			21.5	.4			9																								
Wet Bulb	1692747	27949	59.8	7.301	467			18.3	.4			9																								
Dew Point	1644755	27499	58.9	7.396	467							9																								

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1-713 WESTOVER AFB MA STATION NAME

69-70,73-80 YEARS

AUG 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															
47/87				.1	.2	.2	.1											1	1																	
47/81				1.7	.2	.1												5	5																	
7/79				1.7	.2	.1												12	12																	
7/77			.9	1.3	.1													21	21																	
7/75		1.4	1.9	1.5	.2													47	47	5																
47/73	.3	2.5	3.0	1.5	.4	.1	.1											74	74	49	16															
7/71	.2	2.3	5.6	.8	.9		.1											91	91	57	54															
7/69	.2	3.7	4.0	1.2	.1	.1												86	86	82	48															
6/67	.4	3.9	3.7	1.7	1.3	.1												103	103	102	108															
6/65	.2	5.5	2.3	1.0	.3													86	86	83	68															
47/63	1.1	6.9	1.8	1.6	.3													108	108	129	92															
7/61	.4	5.7	2.0	.4	.2													82	82	92	108															
7/59	.2	4.7	1.3	.8	.2													67	67	91	99															
7/57	.1	3.0	1.0	.4														42	42	85	71															
5/55	.2	3.0	.3		.1													34	34	41	78															
47/53	.1	2.5	.1	.2	.1													28	28	40	54															
2/51		1.1	.1															11	11	29	47															
5/49	.1	1.0	.1															11	11	14	28															
4/47		1.2																11	11	15	19															
4/45		.5																5	5	8	17															
4/43		.1																1	1	4	7															
2/41		.1																1	1	1	4															
4/39																					3															
3/35		.1																1	1	1	1															
3/33																					1															
TOTAL	3.6	49.1	28.1	13.5	4.7	.6	.3											928	928	928	928															
Element (X)	Σx'	Σx	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																									
Rel. Hum.	6827526	79138	85.3	9.220	928	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb	4032088	60806	65.9	7.185	928			44.1	16.0	1.2		93																								
Wet Bulb	3688850	58182	62.7	6.656	928			29.6	5.4			93																								
Dew Point	3487585	56527	60.9	6.919	928			22.6	1.6			93																								

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

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

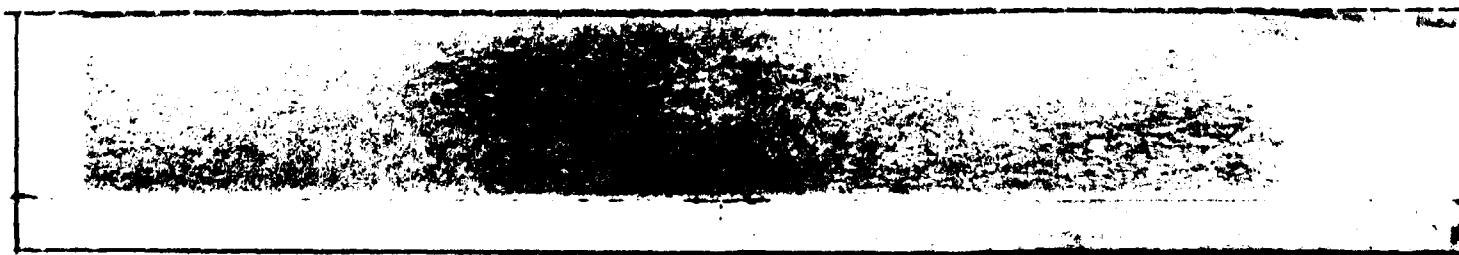
1-703 STATION WESTOVER AFB MA STATION NAME 69-70,73-80 YEARS AUG MONTH

PAGE 1 0900-1110 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															
✓ 93								.1										1	1																	
/ 91								.2										2	2																	
/ 89							.3	.1	.3	.1		.2						10	10																	
8/ 87						.6	.4	.3	.2	.1								16	16																	
6/ 85					.4	1.0	.8	.4	.4									28	28																	
✓ 83				.2	1.5	1.5	1.2	.6	.2	.1								50	50																	
/ 81		.1	.6	1.5	1.5	1.1	.8	.2										54	54																	
/ 79		.1	2.3	2.1	3.1	1.5	.8	.1										92	92	3																
7 / 77		.5	.9	2.6	2.9	2.5	1.4	1.0										109	109	24																
✓ 75	.1	.9	1.4	2.0	2.5	2.7	.9	.9	.1									106	106	49	11															
4/ 73		.5	1.0	2.2	2.4	1.9	1.4	1.0	.2									98	98	91	42															
/ 71		.2	2.6	2.2	2.4	1.6	1.5	.6										103	103	97	56															
/ 69		.8	1.5	1.1	1.6	1.7	1.1	.2										73	73	103	74															
✓ 67		1.1	2.5	1.9	1.2	.9	.6	.1										77	77	120	88															
6/ 65		1.1	1.0	1.1	.9	.4	.2											40	40	117	103															
4/ 63		1.9		.2	.5	.5	.1											31	31	97	95															
/ 61		.9	.2	.1	.2	.1	.1											15	15	88	112															
✓ 59		1.5	.3				.1											18	18	67	86															
/ 57		.2	.1		.1	.1												5	5	40	72															
5 ✓ 55		.2																2	2	19	53															
4/ 53																				9	44															
2/ 51																				2	29															
5 ✓ 49																				2	24															
4 ✓ 47																				2	20															
4 ✓ 45																					10															
4 ✓ 43																					4															
2/ 41																					0															
3 ✓ 37																					3															
TOTAL	.1	9.8	11.6	16.5	19.8	20.2	12.6	7.1	1.8	.3		.2						930	930	930	930															

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

Element (X)	Z <sub>X</sub> '	Z <sub>X</sub>	X	S <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4324675	62125	66.8	13.712	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total
Dry Bulb	5184965	69161	74.4	6.699	930			81.9	56.6	22.1	.1	93
Wet Bulb	4170378	62050	66.7	5.718	930			48.7	16.7	.1		52
Dew Point	3634878	57770	62.1	7.060	930			27.1	5.3			93



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA

69-70, 73-80

AUG  
MONTH

PAGE 1 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
8/ 97																		2	2	
6/ 95																		4	4	
4/ 93																		8	8	
/ 91																		26	26	
/ 89																		40	40	
8/ 87																		69	69	
6/ 85																		95	95	
4/ 83																		101	101	
/ 81																		89	89	
/ 79																		88	88	11
7- / 77																		83	83	39
6/ 75																		81	81	75
4/ 73																		81	81	101
2/ 71																		64	64	103
7 / 69																		34	34	129
6 / 67																		16	16	122
6/ 65																		10	10	112
4/ 63																		16	16	76
2/ 61																		17	17	64
/ 59																		3	3	42
5 / 57																		2	2	35
5- / 55																		1	1	16
4/ 53																				2
2/ 51																				2
50/ 49																				1
48/ 47																				
46/ 45																				
44/ 43																				
42/ 41																				
40/ 39																				
38/ 35																				
TOTAL																		930	930	930
Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.	3175955	52287	56.2	15.947	930	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	5894563	73731	79.3	7.272	930			88.1	76.7	48.7	1.4	93								
Wet Bulb	4335633	63285	68.0	5.606	930			58.0	22.6	.4		93								
Dew Point	3557940	57078	61.4	7.682	930			26.9	4.7			93								

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

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14703 ESTOVER AFB MA 69-70.73-80 AUG MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb
1 / 99									.1								1	1		
8 / 97									.1								1	1		
6 / 95									.2	.1							3	3		
4 / 93							.1	.2	.1				.1				11	11		
1 / 91								.6	.2	.9	.3						19	19		
1 / 89						.1	.8	1.3	.9	1.2	.1	.3					43	43		
3 / 87					.3	.4	1.3	1.4	.9	.9	.8	.2					57	57		
6 / 85					.2	1.7	1.1	2.6	1.3	1.8	1.2						92	92		
4 / 83				.2	.9	1.5	1.8	3.7	1.5	.6	.2						112	112		
1 / 81				.4	.9	1.4	1.8	2.0	1.5	1.6	.1	.1					92	92	4	
1 / 79				.4	1.7	1.4	2.0	1.6	2.3	.3	.2						93	93	8	
7 / 77		.2	1.7	.6	1.1	1.9	1.0	1.7	1.5	.4	.1						80	80	27	4
6 / 75		.4	1.6	.8	1.1	1.2	.6	1.7	.4	.6	.1						80	80	68	9
4 / 73		.5	1.7	2.2	.8	.6	.9	1.0	1.4	.3	.2						89	89	114	26
7 / 71		.6	1.2	1.4	.5	.5	.6	1.0	.8								62	62	97	6
1 / 69	.2	.5	1.1	.8	.6	.1	.1	.3									35	35	118	89
4 / 67		.2	.6	.2	.1		.2										13	13	158	85
6 / 65		.6	.2		.1		.1										10	10	86	71
4 / 63		.9	.5		.1		.3										17	17	93	89
2 / 61		1.7	.5														14	14	61	91
0 / 59		.3															3	3	50	85
6 / 57																			27	76
5 / 55		.3															3	3	14	62
4 / 53																			2	54
2 / 51																			3	42
50 / 49																				20
48 / 47																				21
46 / 45																				21
44 / 43																				15
42 / 41																				5
40 / 39																				2
38 / 37																				2
36 / 35																				1
Element (X)	Σ X <sup>2</sup>	Σ X	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26.5 (OLA) AIR 64 REVERSED PERIODS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

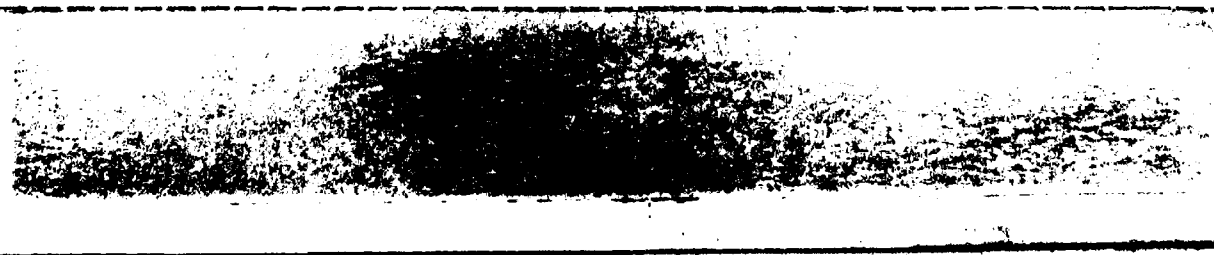
# PSYCHROMETRIC SUMMARY

14903 STATION WESTOVER AFB MA STATION NAME 69-70, 73-80 YEARS MONTH AUG

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
TOTAL	.2	5.7	8.5	7.0	8.4	10.1	12.7	16.5	15.3	10.0	4.4	1.3						9.30	9.30	9.30
Element (X)	Z <sub>1</sub>	Z <sub>2</sub>	X	c <sub>d</sub>	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.	3216043	52341	56.3	17.056	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	9.3								
Dry Bulb	5885247	73683	79.2	7.144	930			88.3	77.3	47.8	1.6	9.3								
Wet Bulb	4323007	63203	68.0	5.462	930			59.4	22.1	.7		9.3								
Dew Point	3539151	56919	61.7	7.765	930			27.3	3.9			9.3								

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**PSYCHROMETRIC SUMMARY**

14773 WESTOVER AFB MA 69-70, 73-80 AUG  
 STATION STATION NAME YEARS MONTH  
 PAGE 1 1800-2000  
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	= 31	Dry Bulb
4/ 93								.1									1	1	
7/ 91							.1										1	1	
8/ 89						.1	.1	.1	.2		.1						6	6	
8/ 87					.1	.1	.2	.4	.1								9	9	
6/ 85					.4	.3	.3	.1	.1	.1							14	14	
4/ 83			.1	1.1	.8	.6	1.0	.2	.3	.1							39	39	
7/ 81		.1	.8	1.4	1.0	.5	.6	.8									48	48	
7/ 79		.3	2.2	1.7	1.8	1.3	1.0	.4	.3								84	84	4
7/ 77	.1	1.4	2.7	1.5	2.2	1.1	.6	.3	.1								93	93	9
7/ 75	.6	1.4	2.4	2.4	1.0	1.3	1.0	.1									94	94	42 5
4/ 73	.2	1.6	2.3	2.8	1.4	.9	1.5	.3	.1								100	100	76 38
7/ 71	.1	1.2	2.8	3.8	1.6	1.3	1.1	.6	.3								119	119	93 61
7/ 69	.2	1.2	4.5	1.7	1.5	.9	1.0	.1									103	103	115 78
6/ 67	.2	.5	3.1	1.0	1.1	.4	.3	.2									64	64	127 87
6/ 65		1.0	2.5	.5	.4	.6	.3	.1									51	51	116 91
4/ 63		1.7	.8	.4	.4	.2	.2										35	35	103 116
2/ 61		1.2	1.1	.8			.1										29	29	90 107
7/ 59		1.4	.9	.3													24	24	57 71
5/ 57		.4	.2	.1	.1	.1											9	9	48 67
5/ 55		.4	.2														6	6	29 62
4/ 53																			11 47
2/ 51		.1															1	1	7 45
50/ 49																			3 20
48/ 47																			18
46/ 45																			10
44/ 43																			4
42/ 41																			2
40/ 39																			6
TOTAL	.8	11.5	21.5	19.5	15.2	11.3	10.1	6.3	2.7	.9	.3						930	930	930 930
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$S_x$	No. Obs.	Mean No. of Hours with Temperature					Total								
Rel. Hum.	4753969	68985	69.9	15.148	930	= 8 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total							
Dry Bulb	4995409	67877	73.0	6.741	930			77.5	48.9	15.9	.1	93							
Wet Bulb	4099748	61524	66.2	5.648	930			46.6	13.1	.1		93							
Dew Point	3615923	57613	61.9	7.100	930			26.9	8.3			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

14703 ESTOVER AFB MA STATION NAME

69-70,73-80 YEARS

USE WITH CAUTION  
 SEE FIRST PAGE

AUG 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
6/ 95						.2												1	1	
4/ 83							.2											1	1	
7/ 81						.2												1	1	
7/ 79			.3	.5				.2										6	6	
7-7/ 77		.3	1.0	1.0	.6	.5	.2											22	22	
6/ 75		1.3	2.9	2.4	.6	.3	.2											48	48	6
4/ 73	.8	1.6	4.0	2.2	.5	.5	.6	.2										65	65	25
2/ 71	1.1	4.1	4.8	1.8	.8	.2	.3											82	82	65
7/ 69		2.2	4.0	1.9	1.0	.8	.3											64	64	60
6/ 67	.2	3.3	5.6	1.8	.6	.5												75	75	64
6/ 65	.3	4.0	2.7	1.3	.3	.6												58	58	78
4/ 63		6.5	1.1	1.1	.3	.6	.2											62	62	85
2/ 61		4.3	.8				.2											33	33	66
5/ 59		3.7	1.3	.3	.3	.2												36	36	54
7/ 57		3.5	1.6															32	32	36
5/ 55		2.9			.8													23	23	39
4/ 53		1.4	.2															10	10	23
2/ 51		1.0																6	6	15
5/ 49		.3																2	2	8
4-7/ 47			.2															1	1	3
4-6/ 45																				6
4-4/ 43																				1
1-2/ 41																				6
4-7/ 39																				1
TOTAL	2.4	40.4	30.3	14.2	5.9	4.5	2.1	.3										628	628	628
Element (X)	Σx <sup>2</sup>	Σx	I	Σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	4318893	51573	82.3	11.546	628	≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	2867916	42249	67.3	6.472	628			54.1	21.3	.6		93								
Wet Bulb	2573357	40019	63.7	6.078	628			32.6	4.6			93								
Dew Point	2198697	38574	61.6	6.806	628			23.8	1.8			93								

USAFETAC FORM AIR 34 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

10703 WESTOVER AFB MA 69-70, 73-80 YEARS AUG 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
0/ 99											.0							1	1		
2/ 97											.0	.0						3	3		
6/ 95											.0	.0						7	7		
4/ 93										.0	.1	.1	.0					21	21		
7/ 91									.1	.1	.2	.1	.2	.1				48	48		
7/ 89								.0	.3	.5	.3	.3	.1	.1				99	99		
8/ 87					.1	.3	.5	.5	.3	.3	.3	.0						151	151		
6/ 85					.2	.7	.6	.8	.6	.5	.2							230	230		
4/ 83				.1	.6	.9	.9	.8	.9	.5	.1	.0						304	304		
7/ 81			.0	.4	.8	.8	.7	.8	.7	.4	.0	.0						289	289	4	
7/ 79			.1	1.0	1.0	1.3	.9	.9	.6	.2	.0							375	375	26	
7/ 77		.2	.8	1.3	1.1	1.0	.7	.8	.5	.1	.0							408	408	4	
76/ 75	.0	.7	1.4	1.3	1.2	1.0	.6	.9	.2	.2	.0							462	462	36	
74/ 73	.3	1.2	2.1	1.8	.9	.7	.8	.6	.4	.1	.0							549	549	176	
70/ 71	.3	2.1	2.9	1.6	1.1	.6	.6	.4	.3	.0								619	619	344	
7/ 69	.3	1.8	2.7	1.0	.8	.5	.4	.2	.0									481	481	509	
6/ 67	.2	1.8	2.5	1.0	.7	.3	.2	.1										415	415	596	
6/ 65	.1	2.8	1.3	.6	.3	.2	.1	.0										337	337	554	
4/ 63	.3	3.8	.8	.5	.3	.2	.1											373	373	667	
2/ 61	.2	3.0	.9	.2	.1	.0	.1											280	280	657	
7/ 59	.2	2.7	.6	.2	.1	.0	.0											237	237	584	
6/ 57	.1	2.1	.4	.1	.0	.0												169	169	517	
58/ 55	.1	1.7	.2	.0	.1													127	127	455	
4/ 53	.1	1.1	.1	.0	.0													82	82	346	
2/ 51	.0	.6	.0	.0														42	42	275	
5/ 49	.1	.6	.1															41	41	147	
48/ 47	.1	.5	.0															30	30	122	
46/ 45	.1	.3																16	16	97	
44/ 43	.2																	11	11	57	
2/ 41	.0																	3	3	42	
4/ 39																				1	21
38/ 37																					6
36/ 35	.0																	1	1	1	2
34/ 33																					1
Element (X)	Σ X'		Σ X		Σ	Σ A	No. Obs.		Mean No. of Hours with Temperature						Total						
Rel. Hum.								≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F								
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 69-70,73-80 AUG  
STATION STATION NAME YEARS MONTH

PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb		Wet Bulb	Dew Point	
TOTAL	2.2	27.2	16.9	11.2	9.3	8.6	7.5	7.6	5.1	3.0	1.2	.3							6211	6211	6211	
Element (X)	$\Sigma n^2$	$\Sigma n$	$\bar{X}$	$S^2$	No. Obs.		Mean No. of Hours with Temperature						Total									
Rel. Hum.	34362566	447314	72.0	18.595	6211		$\leq 0 F$	$\leq 32 F$	$= 67 F$	$= 73 F$	$= 80 F$	$= 93 F$	Total									
Dry Bulb	32544802	445798	71.8	9.389	6211				534.5	353.0	163.0	3.8	744									
Wet Bulb	26677772	404982	65.2	6.610	6211				344.6	100.1	1.6		744									
Dew Point	23607757	380243	61.2	7.278	6211				199.4	25.9			744									

USAFETAC FORM 0-26-5 (OLA) 1964 (REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14733 ESTOVER AFB MA  
STATION STATION NAME

69-70, 73-75, 80  
YEARS

USE WITH CAUTION  
SEE FIRST PAGE

SEP  
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
7 / 77				.6														3	3		
6 / 75			.6															3	3		
4 / 73		1.4			.2	.2												9	9	2	
7 / 71		2.8	1.8	.6														26	26	13	4
7 / 69	.6	2.4	1.8	1.0														29	29	22	24
6 / 67		1.4	1.8	.4	.2													19	19	19	14
6 / 65		4.5	.8	.4	.2	.2												31	31	24	18
4 / 63		3.6	1.8	.6	.6													33	33	39	31
7 / 61		2.0	1.4	.4	.6	.2												23	23	21	32
7 / 59		3.6	1.8	.2	.2													29	29	19	24
6 / 57	.2	4.9	3.4	.2	.8													48	48	34	16
5 / 55		5.5	1.8	.6	.4													42	42	45	32
4 / 53		3.4	1.2	.6														26	26	45	40
2 / 51		4.1	2.6	.8														38	38	26	41
0 / 49		4.1	2.6	.8	.2													39	39	43	32
7 / 47		3.0	1.2	.2														22	22	30	34
4 / 45		3.9	.6															23	23	34	26
9 / 43		4.9	.2	.4														28	28	35	30
2 / 41		2.0																10	10	23	46
4 / 39		1.8																9	9	12	21
3 / 37		1.0																5	5	8	19
7 / 35	.2	1.2																7	7	5	8
3 / 33		1.0																5	5	5	4
2 / 31																				3	6
7 / 29																					3
TOTAL	1.0	62.3	25.0	7.7	3.4	.6												507	507	507	507
Element (X)	Σx'	Σx	X	σ <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total								
Rel. Num.	3692543	43081	84.9	8.739	507																
Dry Bulb	1661513	28605	56.4	9.701	507			15.8	2.7				9								
Wet Bulb	1519664	27346	53.9	9.400	507		.5	9.9	.4				9.1								
Dew Point	1418864	26301	51.9	9.928	507		2.0	7.5					9.0								

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

USE WITH CAUTION  
 SEE FIRST PAGE

19703 WESTOVER AFB MA STATION NAME

69-70, 73-75, 80 YEARS

SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
77 / 77				.2														3	3		
76 / 75			.2															1	1		
74 / 73		.2	.6															4	4		
72 / 71		1.8	.2	.2				.2										12	12	5	
70 / 69	1.6	2.8	2.0	.2	.2	.2	.2											36	36	28	26
68 / 67	.2	1.8	.4	.4	.4													16	16	14	13
67 / 65	.2	4.7	.4	.6			.2											31	31	20	11
64 / 63		4.1	1.4	.4	.2													31	31	31	24
62 / 61		3.0	.4	1.2														23	23	27	37
60 / 59		2.8	.6	.2	.2	.2												20	20	26	14
58 / 57		6.7	1.6	.2	.2													44	44	18	21
56 / 55		6.7	1.0	.2	.2													41	41	53	31
54 / 53		3.5	1.0	.4	.2													26	26	34	46
52 / 51		5.3	1.0	.2														33	33	28	33
50 / 49		3.1	2.6															29	29	31	35
48 / 47		3.9	1.6															28	28	27	22
46 / 45		3.5	.8	.2														23	23	36	29
44 / 43		4.1	1.2															27	27	21	25
42 / 41	.6	4.7	.6															30	30	38	27
40 / 39	.6	3.9	.4															25	25	29	41
38 / 37		1.8																9	9	20	34
36 / 35		1.2																6	6	9	12
34 / 33		.8																4	4	5	14
32 / 31	.6	.2																4	4	6	6
30 / 29	.2	.2																2	2	2	6
28 / 27																					2
TOTAL	3.9	70.9	17.7	4.9	1.6	.8	.2											508	508	508	508
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Num.	1853275	44043	86.7	8.285	508	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	1554238	27606	54.3	10.326	508		1.1	12.8	1.4			90									
Wet Bulb	1437897	26549	52.3	10.011	508		1.4	8.3				90									
Dew Point	1346324	25617	50.4	10.419	508		2.5	6.9				90									

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 69-70, 73-80 SEP  
 STATION STATION NAME YEARS 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
69 / 79					.1													1	1		
70 / 77			.3	.1	.1	.2	.1											8	8		
71 / 75			.3	.9														11	11		
72 / 73		.9	.7	.1	.1													16	16	4	
73 / 71	.2	1.1	1.2		.1													24	24	25	20
74 / 69	.4	1.7	1.6	.4														37	37	28	16
75 / 67		2.3	1.4	.2	.1		.1											38	38	29	25
76 / 65	.1	2.9	.6	.8	.2	.1												42	42	40	41
77 / 63	.1	4.1	1.0	.9	.4	.3	.2											64	64	49	37
78 / 61		3.9	1.2	1.4	.6	.1												65	65	46	51
79 / 59		4.8	1.7	1.0	.8													74	74	53	43
80 / 57		4.7	1.2	.8	.3	.1												64	64	55	42
81 / 55		4.4	2.3	.9														69	69	78	65
82 / 53	.2	5.3	1.2	.7	.2	.1												70	70	79	58
83 / 51		3.7	2.1	.9	.2	.1												63	63	82	71
84 / 49	.1	3.4	1.8	.2	.2													50	50	54	79
85 / 47		3.3	.4	.3	.2													39	39	62	61
86 / 45		3.9	.7	.1														42	42	52	51
87 / 43		3.4	.7	.1														38	38	40	62
88 / 41		1.4	.3															16	16	37	44
89 / 39		2.8	.1															26	26	27	31
90 / 37	.2	2.0	.1															21	21	22	25
91 / 35	.3	.7																9	9	18	28
92 / 33	.1	.7																7	7	9	23
93 / 31	.3	.2																5	5	8	15
94 / 29		.1																1	1	2	13
95 / 27																					1
96 / 25																					2
TOTAL	2.2	61.6	21.0	9.7	3.8	1.1	.4											900	900	900	900
Element (X)	Σg	Σg	Σg	Σg	Σg	Σg	Σg	No. Obs.	Mean No. of Hours with Temperature						Total						
Rel. Hum.	6539007	76139	84.6	10.427	900	≤ 8 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	2907017	50377	56.0	9.898	900		.6	13.5	3.6	.1		90									
Wet Bulb	2609654	48082	53.4	9.888	900		1.1	8.6	.4			90									
Dew Point	2866994	86187	51.3	10.080	900		2.7	6.1				90									

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb
91								.1										1	1	
89					.1		.1	.1		.1								4	4	
87						.1	.1	.1										3	3	
85						.7	.1											7	7	
83					.3	.3	.1											7	7	
81					.2	.1												3	3	
79			.1	.7	.9	.4	.3	.2										24	24	1
77				.9	.3	.9	.6	.1										25	25	3
75		.1	.7	.6	1.2	.8	.3	.4										37	37	15
73		.4	1.2	1.1	.9	.7	.6	.3	.2	.2								51	51	22
71		.7	1.4	.7	1.1	1.6	.1	.2		.1								53	53	23
69		.6	1.7	1.8	.7	1.7	1.0	.7	.1									73	73	33
67		1.1	2.2	.9	1.4	2.0	.9	.3										80	80	52
65		1.6	1.1	1.7	2.6	1.4	1.3	.3										90	90	60
63		1.1	.9	1.8	2.1	2.1	.9											80	80	63
61		.9	1.0	1.2	2.2	2.1	.1	.1										69	69	64
59	.1	3.2	1.8	2.1	1.3	1.1	.3											90	90	68
57		2.3	1.4	1.7	1.8	.7	.3											68	68	105
55		1.0	1.1	1.1	1.6	.2	.1											46	46	103
53		1.6	.7	.6	.3	.6	.2											35	35	81
51		1.2	1.0		.4	.6												29	29	77
49		.7	.6		.4	.1												16	16	51
47		.1	.1	.3														5	5	36
45		.1	.2															3	3	11
43			.1															1	1	13
41																				13
39																				1
37																				16
35																				9
33																				8
31																				11
29																				6
TOTAL		.116	.717	.316	.320	.018	.17	.63	.13	.4								900	900	900
Element (X)		Σx'		Σx		x̄		s <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature								
Rel. Num.		4364364		61126		67.9		15.386		900		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb		3853326		58428		64.9		8.182		900				36.8	16.2	3.5		90		
Wet Bulb		3133856		52664		58.9		7.619		900				14.9	4.1	.1		90		
Dew Point		2651440		48106		53.9		9.480		900			1.7	8.3	.4			90		

USAFETAC FORM AIR 4 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AFM WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1973 WESTOVER AFB MA 69-70, 73-80 SEP  
 STATION STATION NAME YEARS MONTH

PAGE 1 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									
5/ 97																	.1									1	1			
6/ 93														.1	.1	.2											4	4		
7/ 91													.2	.6	.2	.3											12	12		
8/ 89												.2	.2	.3	.2												9	9		
8/ 87								.1	.4	.3																8	8			
6/ 85						.1		.8	.1	.1	.1															12	12			
4/ 83						.3	.4	.3	.3	.2																15	15			
7/ 81					.1	.7	.8	.9	1.0	.8																38	38			
7/ 79				.4	.8	.9	1.1	.9	.6	.3	.1														45	45	1			
7/ 77			.2	.6	.4	1.1	1.9	2.1	.7	.3	.2														68	68	9			
5/ 75		.2	.4	1.0	.7	1.1	1.8	.6	.3	.3	.3														61	61	17	1		
4/ 73		.3	.2	1.6	.4	.8	1.7	1.0	.7	.3	.2														63	63	41	5		
7/ 71		.2	1.0	.8	.8	1.2	1.9	2.7	1.1	.3															90	90	31	20		
7/ 69		.1	1.2	.8	.4	1.3	2.9	1.6	.6	.1															81	81	38	33		
6/ 67		.8	.8	.7	.3	2.0	3.1	1.4	.7	.1															89	89	77	51		
6/ 65		.3	.1	.9	1.4	1.2	2.9	.9																	70	70	63	44		
4/ 63		.6	.3	.6	1.3	2.2	2.3	.8	.1																74	74	65	56		
7/ 61	.1	1.0	.8	.7	.3	1.2	1.2	.2																	50	50	74	35		
7/ 59		2.1	1.1	.2	.6	.9	.6	.3																	52	52	72	52		
7/ 57		.6	.1	.1	.1	.1	.7	.2																	17	17	139	66		
5/ 55		.3	.2	.2	.2	.2	.6																		16	16	78	63		
4/ 53		.8	.3	.1	.2	.2																			13	13	70	63		
2/ 51		.7																							6	6	62	49		
5/ 49		.3																							3	3	29	71		
7/ 47			.2																						2	2	13	63		
4/ 45			.1																						1	1	17	53		
4/ 43																												4	58	
2/ 41																													43	
4/ 39																													33	
7/ 37																													18	
5/ 35																													14	
3/ 33																													8	
2/ 31																													15	
10/ 29																													3	
Element (X)	Σ X'		Σ X		X		X <sub>n</sub>		No. Obs.		Mean No. of Hours with Temperature						Total													
Rel. Hum.											≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F														
Dry Bulb																														
Wet Bulb																														
Dew Point																														

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 STATION WESTOVER AFB MA STATION NAME 69-70,73-80 YEARS SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
7 / 27																					1
TOTAL	.1	8.3	7.2	8.7	9.0	15.9	25.1	14.9	6.8	2.6	1.3	.1						900	900	900	900
																		900		900	
Element (X)	Σ x <sup>2</sup>		Σ x		Σ	σ <sub>n</sub>	No. Obs.					Mean No. of Hours with Temperature									
Rel. Hum.	3137270		53984		56.6	16.645	900					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb	4506449		63231		70.3	8.441	900							59.6	33.6	11.9	.5	90			
Wet Bulb	3348093		54491		60.5	7.376	900							21.4	6.8			90			
Dew Point	2627312		47808		53.1	9.880	900						1.9	9.0	.6			90			

USAFETAC FORM 0-20-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1473 STATION WESTOVER AFB MA STATION NAME 69-70, 73-80 YEARS SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point
4/ 97																		1	1		
4/ 93									.2							.1		3	3		
7/ 91									.4	.6	.3							12	12		
7/ 89									.8	.1	.1							9	9		
3/ 87									.1	.2	.1	.1						5	5		
6/ 85									.8	.1	.1	.2						11	11		
7/ 83						.6	.7		.1	.3	.2							19	19		
7/ 81						1.1	.4	1.0	.6	.9								36	36		
7/ 79			.1	.2	.6	1.2	.6	1.2	.3	.7	.1							45	45		
7/ 77			.1	.4	1.2	.7	1.9	1.2	1.7									65	65	3	
8/ 75		.3	.6	1.2	1.0	1.8	.6	1.3	.2	.1	.3							67	67	21	
4/ 73		.1	.3	1.4	.3	1.0	1.6	2.3	.9	.2								74	74	38	2
7/ 71		.1	.8	.7	.8	1.1	2.2	1.2	1.0	.6	.1							77	77	33	22
7/ 69		1.3	.2	.7	.6	2.1	2.9	1.9	.6	.3								95	95	53	35
8/ 67		.9	.4	1.1	.3	1.3	2.8	1.9	.4	.3								86	86	63	34
6/ 65		.2	.3	1.0	1.7	1.1	2.7	.9	.2									67	67	70	60
4/ 63		1.0	.4	1.3	.7	1.7	2.3	.7	.2									75	75	55	37
2/ 61		.7	.8	.4	.7	1.1	1.7	.2										44	44	77	32
7/ 59		1.8	.7	.3	.4	.7	.8	.6										47	47	103	60
7/ 57		.8	.2	.2	.3	.4	.4											22	22	105	52
5/ 55		.3	.7	.2	.4	.3												18	18	83	66
4/ 53		.8	.2															9	9	65	58
2/ 51		.6	.1			.1												7	7	69	76
5/ 49		.6																5	5	29	73
7/ 47		.1																1	1	23	61
4/ 45																				9	47
4/ 43																				1	44
2/ 41																					52
4/ 39																					35
3/ 37																					15
2/ 35																					14
3/ 33																					10
2/ 31																					8
7/ 29																					7
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_n$	No. Obs.		Mean No. of Hours with Temperature														
Rel. Num.							$\leq 0 F$	$\leq 32 F$	$= 67 F$	$= 73 F$	$= 80 F$	$= 93 F$	Total								
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1973 WESTOVER AFB MA 69-73-73-80 YEARS SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	= 31	Dry Bulb	Wet Bulb
8/ 87							.2	.1									3	3		
6/ 85						.3	.1	.1									5	5		
4/ 83					.2	.2											4	4		
7/ 81					.6	.2			.1								8	8		
7/ 79				.4	.6		.1	.1									11	11		
7/ 77			.4	.8	.7	.4	.3	.1	.1								26	26		
6/ 75	.2	.7	.8	1.7	.3	.2	.6	.1									41	41	7	
4/ 73	.6	1.1	1.0	.8	.4	.4	.2										41	41	27	
7/ 71	.7	1.3	1.2	.9	.4	.2											43	43	30	22
7/ 69	.9	2.3	1.7	1.6	.9	.1	.2	.1									70	70	33	36
6/ 67	1.7	2.1	1.2	1.0	1.6	.3	.3										74	74	44	26
6/ 65	1.6	1.6	1.1	1.7	1.3	.3	.1	.2									71	71	63	48
4/ 63	2.1	.8	2.9	1.4	2.2	.6	.1										91	91	72	50
7/ 61	.7	1.8	2.1	2.0	.6	.4	.1										69	69	59	56
7/ 59	2.4	2.1	2.6	1.2	1.0	.3											87	87	62	50
7/ 57	2.6	2.6	1.4	.7	.3	.2											70	70	91	40
5/ 55	1.6	1.6	.9	1.2	.6												52	52	97	81
4/ 53	1.3	1.4	.8	.4	.1												37	37	97	64
2/ 51	1.6	1.7	.4	.2													35	35	55	86
5/ 49	1.4	.9	.3	.2													26	26	59	71
5/ 47	1.0	.4	.4	.1													18	18	45	76
4/ 45	.6	.2															7	7	31	54
4/ 43	.2	.3															5	5	11	39
2/ 41	.2	.2															4	4	8	36
4/ 39	.2																2	2	7	21
38/ 37																			2	16
6/ 35																				15
34/ 33																				7
2/ 31																				5
2/ 29																				1
TOTAL		21.4	23.3	20.3	17.1	11.0	3.8	2.2	.8								900	900	900	900
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.	4889074	68806	72.0	14.252	900	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total								
Dry Bulb	3686960	57088	63.4	8.556	900			32.6	13.9	2.8		90								
Wet Bulb	3083997	52207	58.0	7.863	900			14.1	3.4			90								
Dew Point	2675629	48373	53.7	9.178	900			6	8.4			90								

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

69-70,73-80 YEARS

SEP MONTH

PAGE 1 2106-2300 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
78/81					.2													1	1	
77/79																		2	2	
77/77			.5		.5													6	6	
75/76			.9	.3	.3		.2											11	11	
73/74	1.1	.8	.9	.3														20	20	9
71/72	1.4	1.4	.6	.2														23	23	18 16
69/71	1.3	2.7	1.3	.9	.2		.2											38	38	18 18
67/66	3.0	1.9	.8	.5	.3	.2												42	42	28 10
65/66	3.1	1.3	.8	.8	.6	.2												43	43	44 38
63/64	3.8	.9	.8	.3	.3													39	39	36 35
61/62	2.4	2.2	.9	1.1		.2												43	43	42 36
59/61	4.1	2.7	.8	.5	.3	.3												55	55	36 34
57/58	2.8	4.9	1.4	.8	.2													64	64	54 33
55/56	2.4	3.0	.9	1.1														47	47	51 42
53/54	3.9	2.5	1.4	.3														52	52	57 41
51/52	3.1	2.0	.6	.5														40	40	61 59
49/51	3.5	1.4	.2	.2														33	33	44 63
47/48	2.5	.5	.2															20	20	50 40
45/46	3.5	.6																26	26	32 44
43/44	1.1	.3	.2															10	10	23 38
41/42	1.4	.3																11	11	11 39
39/40	.6																	4	4	10 15
37/38	.8																	5	5	8 14
35/36																				3 11
33/34	.2																	1	1	1 7
31/32																				3
TOTAL		45.9	30.8	12.4	7.9	1.9	.9	.2										636	636	636
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_n$	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.	4215711	51301	80.7	11.060	636	= 8 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total								
Dry Bulb	2264198	37532	59.0	8.815	636			20.2	5.7	.3		92								
Wet Bulb	2014860	35392	55.6	8.953	636			10.3	1.3			93								
Dew Point	1833257	33643	52.9	9.207	636			.9	6.2			97								

REVISIONS PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

FORM 0-26-5

USAFETAC

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1: 703 WRESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

SEP MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																		
98/ 97																																		2	2				
94/ 93																																			7	7			
91/ 91																																			25	25			
87/ 89																																			22	22			
81/ 87																																			19	19			
85/ 85																																			35	35			
83/ 83																																			45	45			
81/ 81																																			86	86		1	
79/ 79																																			128	128	1	1	
77/ 77																																			204	204	15		
75/ 75																																			232	232	60	2	
73/ 73																																			278	278	143	9	
71/ 71																																			348	348	178	128	
69/ 69																																			459	459	253	221	
67/ 67																																			444	444	326	175	
65/ 65																																			445	445	384	304	
63/ 63																																			487	487	410	318	
61/ 61																																			386	386	410	339	
59/ 59																																			454	454	439	314	
57/ 57																																			397	397	601	330	
55/ 55																																			331	331	588	445	
53/ 53																																			268	268	540	451	
51/ 51																																			251	251	453	484	
49/ 49																																			201	201	340	503	
47/ 47																																			135	135	286	413	
45/ 45																																			125	125	222	369	
43/ 43																																			109	109	148	350	
41/ 41																																			71	71	130	320	
39/ 39																																			66	66	86	214	
37/ 37																																			40	40	60	157	
35/ 35																																			22	22	35	111	
33/ 33																																			17	17	20	81	
31/ 31																																			9	9	17	71	
29/ 29																																			3	3	4	36	
Element (X)	Σ X'		Σ X		Σ	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.	Σ		Σ		Σ	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Dry Bulb	Σ		Σ		Σ	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Wet Bulb	Σ		Σ		Σ	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Dew Point	Σ		Σ		Σ	Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	

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

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 GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1473 ESTOVER AFB MA 69-70, 73-80 YEARS SFP MONTH  
 STATION STATION NAME YEARS MONTH

PAGE 2 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
27																				1	3
25																					2
<b>TOTAL</b>	8	33.0	17.7	11.7	10.1	9.4	8.6	5.2	2.2	.9	.4	.0						6151	6151	6151	
Element (X) $\Sigma X^2$ $\Sigma X$ $\bar{X}$ $s^2$ No. Obs.    Mean No. of Hours with Temperature Rel. Hum.    33813062    442564    71.9    17.900    6151    ± 0 F    ± 32 F    ≥ 67 F    ≥ 73 F    ≥ 80 F    ≥ 93 F    Total Dry Bulb    24945244    386144    62.8    10.700    6151                   1.4    273.2    126.8    35.5    1.1    720 Wet Bulb    20540251    351263    57.1    8.842    6151                   2.6    114.4    25.8    .1    720 Dew Point    17640401    323874    52.7    9.770    6151                   13.1    62.7    1.8       720																					

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

1473 WESTOVER AFB MA STATION STATION NAME

69-70, 73-75 YEARS

OCT MONTH

PAGE 1 0006-0210 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
65		.4	.2	.2														4	4		
63		.2	.4															3	3	3	
61		1.7	1.5	.4														17	17	1	3
59		3.0	1.7	1.1														27	27	13	3
57	.2	2.8	1.1															19	19	29	14
55		2.8	1.1	.4	.2													22	22	21	31
53		3.4	1.5	1.3		.2												30	30	25	17
51		2.6	2.4	1.5	.4													32	32	14	27
49		3.4	1.3	1.1	.6													30	30	23	12
47		2.6	.6	.9	1.1													28	28	34	15
45		3.9	1.3	1.3	.9													34	34	36	31
43		4.7	1.3	.6														31	31	23	29
41	.6	3.9	1.5															28	28	35	31
39	.6	4.3	1.1	.2														29	29	47	22
37	.2	3.2	.2	.9														21	21	28	33
35	1.1	3.4	1.5	.6														31	31	21	41
33	.2	3.2	.4	1.1														23	23	27	25
31	.9	1.5	.4	1.1														18	18	22	34
29		1.5	.2															8	8	14	22
27		3.0	.4															16	16	17	11
25	.4	1.3	.2															9	9	17	5
23		1.1	.4															7	7	7	14
21	.2	.2																2	2	6	12
19																				2	13
17																					11
15																					3
13																					2
11																					4
TOTAL	4.5	58.3	20.9	12.7	3.2	.4												465	465	465	465
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_n$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Num.	3098028	37512	80.712	448	465	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	984402	20856	44.910	274	465		12.0					93									
Wet Bulb	878074	19668	42.3	9.976	465		17.5					93									
Dew Point	766845	18183	39.013	272	465		26.2					93									

USAFETAC FORM 0-26-5 (OLA) REVERSE METHODUS SPECIFICATIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT - WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14703 ESTOVER AFB MA STATION NAME

69-70, 73-75 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																	
6/ 65			.6																														3	3				
4/ 63			.9																														4	4		3		
2/ 61		2.2	.4	.2																													13	13		3		
5/ 59		3.2	.4	.6																													20	20		19		
7/ 57		2.6	1.3	.4																													20	20		16		
5/ 55		2.4	1.1	.2	.2																												18	18		14		
4/ 53		3.2	1.3	1.1	.4																												28	28		17		
2/ 51		3.0	3.0	.9	.4																												34	34		24		
5/ 49		1.5	1.9	.6																													19	19		21		
4/ 47		2.6	.6	.6	.2																												19	19		34		
4/ 45		3.2	.2	.9	.9																												24	24		27		
4/ 43		4.3	1.5	1.1	.2																												33	33		17		
2/ 41	.9	4.1	1.3	.6	.2																												33	33		29		
4/ 39	.4	3.9	.6	.6																													26	26		40		
3/ 37	.9	5.4	.6	.9																													36	36		36		
3/ 35	1.1	4.1	.6	.6																													27	27		34		
3/ 33		3.0	.4	.4																													18	18		19		
2/ 31	.6	2.8	.9	.4																													22	22		27		
3/ 29	1.3	1.7	.6	.2																													18	18		21		
2/ 27	.9	2.6																															16	16		17		
2/ 25		2.4																															11	11		18		
2/ 23	.6	2.2																															13	13		15		
2/ 21	.4	.6	.2																														6	6		8		
2/ 19	.2	.4																															3	3		5		
1/ 17		.2																															1	1		2		
1/ 15																																						
1/ 13																																						
1/ 11																																						
1/ 9																																						
TOTAL		7.3	61.5	18.1	10.9	2.6																													465	465		465
																																			465		465	
Element (X)	Σ X'	Σ X	X	Σ X	No. Obs.	Mean No. of Hours with Temperature						Total																										
Rel. Hum.	3232441	38359	82.5	12.116	465	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																										
Dry Bulb	913329	19975	43.0	10.913	465		18.0					93																										
Wet Bulb	822590	18942	40.7	10.482	465		22.6					93																										
Dew Point	725359	17557	37.8	11.602	465		32.4					93																										

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 69-70,73-80 OCT  
 STATION STATION NAME YEAR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
71			.1															1	1		
67		.1	.3	.1														5	5	1	
65		.4	.3		.1													8	8	2	2
63		1.2	.3															14	14	10	5
61		2.3	.3	.2														26	26	16	6
59		2.6	.9	.5	.1	.1	.1											40	40	27	25
57	.4	3.5	.8	.7	.1	.1												51	51	36	37
55	.2	1.7	1.4	1.3	.2													45	45	42	32
53	.4	1.7	1.3	.9														40	40	31	29
51	.5	2.6	2.7	1.2	.2	.1												61	61	41	29
49	.1	3.0	1.5	.4	.2													48	48	59	40
47	.4	3.7	1.4	1.3	1.0													72	72	58	41
45	.1	2.8	2.1	1.2	.7													63	63	61	58
43	.3	3.9	2.6	1.7	.3													75	75	49	50
41	.8	2.7	2.3	1.1	.1													64	64	84	60
39	.4	2.7	1.6	.7	.3													53	53	71	56
37	.5	2.2	.2	.8														34	34	59	61
35	.3	2.4	.5	.5														35	35	44	49
33	.9	4.3	.4	.3														54	54	50	52
31	.9	3.0	.9	.2														45	45	50	68
29	.8	2.3	.5	.2														35	35	48	40
27	.2	1.0	.1															12	12	24	46
25	.3	1.0	.1															13	13	24	34
23		.5																5	5	9	24
21	.4	.5																9	9	8	27
19	.3	.2																5	5	7	13
17		.2																2	2	4	9
15																					13
13																					5
9																					2
TOTAL	8.5	52.8	22.2	12.7	3.4	.3	.1											915	915	915	915
Element (X)	Σg'	Σg	X	C <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	6161843	74157	81.0	12.884	915	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	1991681	41065	44.9	10.391	915		12.8	.6				93									
Wet Bulb	1738008	38784	42.4	10.145	915		17.7	.1				93									
Dew Point	1521387	35823	39.1	11.363	915		28.8					93									

USAFETAC FORM AIR 44 0-26-5 (OLA) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 ESTOVER AFB MA STATION STATION NAME

69-70,73-80 YEARS

OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb	Dew Point
7 / 77						.1	.1											2	2		
4 / 73						.1												1	1		
7 / 71			.1	.4	.4	.2	.3	.1										15	15		
7 / 69		.3	.3	.8	.4	.2	.1											20	20		
6 / 67		.1	.6	1.1	.2	.1	.1	.1										22	22	7	2
6 / 65		1.1	1.5	.4	.5	.4	.8	.1	.1									46	46	9	2
4 / 63		1.0	.6	.5	1.1	1.0	.1	.1										41	41	35	12
2 / 61		1.4	1.0	1.2	.9	1.0	.5	.2										57	57	39	21
7 / 59	.1	1.5	1.2	1.3	1.7	1.1	.8											71	71	29	44
5 / 57		.5	1.1	.5	2.9	1.1	.6											63	63	43	27
5 / 55	.1	1.2	1.4	1.5	1.6	.9												62	62	38	25
4 / 53	.1	1.9	1.8	2.6	1.8	1.0	.4											90	90	65	27
2 / 51	.1	1.3	1.6	1.9	1.5	1.4	.1											74	74	70	45
5 / 49		1.6	2.3	2.2	2.6	1.1	.2	.1										93	93	95	44
4 / 47	.2	1.5	.9	1.7	2.3	1.0												70	70	87	46
4 / 45	.2	1.2	1.4	1.5	2.2	.4												64	64	78	70
4 / 43	.1	1.6	1.2	1.3	1.0													48	48	64	70
2 / 41	.1	.1	.8	.8	1.3	.3												31	31	82	74
4 / 39		.1	.5	.9	.1													15	15	57	66
3 / 37		.8	.4	.9	.2													21	21	50	48
7 / 35		.9	.2	.4	.2													16	16	28	41
3 / 33	.1	.2	.2	.2	.1													8	8	28	4
2 / 31																				17	60
2 / 29																				5	44
2 / 27																				4	34
2 / 25																					18
2 / 23																					21
2 / 21																					17
8 / 19																					7
1 / 17																					10
1 / 15																					4
4 / 13																					1
1 / 11																					1
10 / 9																					1
Element (X)	Z <sub>1</sub> '	Z <sub>2</sub>	Z <sub>3</sub>	Z <sub>4</sub>	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 ATR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 STATION WFOVER AFB MA STATION NAME

69-70, 73-80 YEARS

OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
TAL	1.2	18.3	19.1	22.0	23.0	11.3	4.2	.8	.1									930	930	930	930		
Element (X)	Zg'	Zg	X	Cg	No. Obs.	Mean No. of Hours with Temperature					Total												
Ref. Num.	4291436	61268	65.9	16.572	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total											
Dry Bulb	2719388	49654	53.4	8.579	930			6.0	.3			93											
Wet Bulb	2195006	44486	47.8	8.495	930		2.6	.7				93											
Dew Point	1719714	38634	41.5	11.116	930		21.8	.2				93											

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 ESTOVER AFB MA 69-70.73-80 YEARS OCT MONTH

PAGE 1 1270-1450  
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/ 85								.1										1	1		
4/ 83								.1							.2	.1		4	4		
1/ 81								.1										1	1		
1/ 79										.1	.2							3	3		
7/ 77									.2	.4	.3							9	9		
6/ 75						.1	.6	.5	.5	.1								18	18		
4/ 73			.1	.3	.4	.9	.3	.1	.2	.1								23	23		
1/ 71		.1	.1	.3	2.3	.3	.4	.3	.6	.1								43	43	2	
1/ 69		.1	.2	.8	.9	.6	1.7	.8	.8	.1								48	48	4	1
6/ 67			.4	.9	.3	.5	1.9	.8	.3	.2								50	50	6	4
6/ 65		1.3	.5	.5	.4	1.6	1.5	.9	.6	.1								70	70	35	
4/ 63		.4	.4	.8	1.5	1.9	1.3	1.1	.4									73	73	56	13
2/ 61		.3	.4	.6	.9	1.0	1.1	.9	.4									52	52	45	26
1/ 59		.3	.3	.8	1.3	2.3	1.4	.2										62	62	28	35
1/ 57		.4	.6	1.5	2.6	2.5	1.9	.9										93	93	48	33
5/ 55		.1	1.4	.5	.6	1.6	1.7	.5										67	67	75	24
4/ 53		.1	.5	.8	1.6	2.8	2.2	.3										77	77	78	37
2/ 51		1.0	.8	.2	1.6	2.2	1.7	.3										72	72	73	33
50/ 49	.1	.9	.6	.5	.9	1.8	.5											50	50	91	50
4/ 47		.8	.2	1.4	1.1	.1												33	33	76	52
40/ 45	.1	.9	.5	.3	.6	1.1	.2											35	35	66	75
4/ 43		.2	.3	.1	.6	.6												18	18	74	51
42/ 41		.1		.2	1.2	.1												15	15	68	57
4/ 39		.2			.2													4	4	43	42
38/ 37		.3																3	3	23	51
36/ 35		.3			.3													6	6	23	52
34/ 33																				17	32
32/ 31																				1	52
1/ 29																					51
26/ 27																				3	42
16/ 25																					34
24/ 23																					19
2/ 21																					11
1/ 19																					15
Element (X)	Σ X <sup>2</sup>		Σ X		Σ	σ <sub>n</sub>	No. Obs.		Mean No. of Hours with Temperature												
Rel. Num.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total						
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
A.P. WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

69-70,73-80 YEARS

OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
/ 17																					10	
/ 15																					5	
/ 13																					1	
/ 9																					1	
TOTAL	.4	9.1	6.6	9.5	19.8	23.5	17.6	7.8	4.1	1.4	.1							930	930	930	930	

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

Element (X)	$\Sigma X'$	$\Sigma X$	X	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3027665	50443	54.2	17.718	930							
Dry Bulb	3305685	54809	58.9	9.018	930			20.0	5.9	.7		93
Wet Bulb	2424613	46841	5.4	8.389	930		.4	1.2				33
Dew Point	1708555	38341	41.2	11.725	930		24.6	.4				93

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WILSTOVER AFB MA STATION NAME

69-73, 73-80 YEARS

OCT MONTH

PAGE 1 1500-17 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
6 / 85								.1										1	1		
4 / 87								.1		.1								2	2		
7 / 81										.1								1	1		
7 / 79									.1	.1								3	3		
7 / 77									.4	.1	.1							6	6		
3 / 75					.3	.2	.4	.2	.2	.2								15	15		
4 / 73					.1	.9	.2	.2	.5	.2								20	20		
7 / 71			.1	.6	1.9	.6	.4	.4	.5	.2								46	46	1	
7 / 69			.4	1.0	1.1	.1	.4	1.0	.4									41	41	2	
7 / 67		.1	.9	.9	.3	1.0	1.2	.8	.4	.3								54	54	4	1
6 / 65		1.0	.4	.8	.8	1.5	1.2	.6	.4	.2								64	64	30	2
4 / 63		1.1	.1	1.0	.9	1.8	1.1	.6	.6									67	67	58	14
7 / 61		.9	.2	.8	.9	1.3	1.4	.9	.3									58	58	36	27
7 / 59		.5	.8	.8	1.5	2.2	1.5	.6	.1									75	75	33	36
7 / 57	.3	.4	.3	1.1	1.4	1.4	1.8	.8										70	70	57	35
5 / 55		1.0	.9	.8	1.6	1.5	1.6	.6	.1									74	74	73	35
4 / 53	.1	.3	1.0	1.1	1.2	2.4	1.7	.3	.1									76	76	64	31
7 / 51		1.2	.6	.4	1.5	2.0	1.3											66	66	71	29
6 / 49		.9	.2	.5	1.6	1.7	.4											50	50	91	40
7 / 47		.5	.1	.9	1.8	1.5	.1											46	46	68	65
4 / 45	.1	1.1	1.0	.3	1.0	.8	.1											40	40	70	56
4 / 43		.1	.1	.3	.9	.6												19	19	74	50
7 / 41		.1	.1	.2	.6	.2												12	12	71	59
40 / 39		.2		.4	.5													11	11	49	45
3 / 37	.1	.1		.2	.2													6	6	33	48
7 / 35		.3		.1	.3													7	7	15	48
34 / 33																				18	47
2 / 31																				8	59
10 / 29																				1	51
7 / 27																				3	42
20 / 25																					34
23 / 23																					9
2 / 21																					24
7 / 19																					10
Element (X)	$\Sigma X^2$	$\Sigma X$		$\bar{X}$	$\sigma_s$	No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.								≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total							
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-7-83 WESTOVER AFB MA STATION NAME

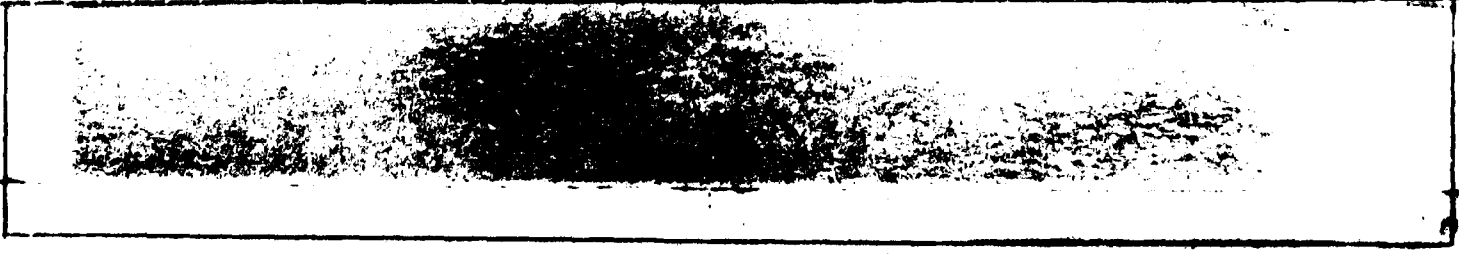
69-70, 73-80 YEARS

OCT 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					
/ 17																						16				
/ 15																						9				
/ 9																						1				
/ 7																						2				
TOTAL	.6	9.5	7.2	12.0	2.4	21.7	14.9	7.8	4.1	1.6								930	930		930					
																		930								
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature																			
Ref. Num.	3095498	50986	54.8	17.978	930		= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total													
Dry Bulb	3240790	54240	58.3	9.126	930				18.9	4.8	.6		93													
Wet Bulb	2388449	46461	50.0	8.514	930			1.2	.7				97													
Dew Point	1688887	38051	40.9	11.921	930			25.7	.1				93													

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





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1703 WESTOVER AFB MA STATION NAME

69-70,73-80 YEARS

OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	= 31	Dry Bulb	Wet Bulb	Dew Point
6/ 75					.1													1	1		
4/ 73					.1		.1	.1										3	3		
2/ 71				.1	.1	.2	.2											6	6		
7/ 69			.3	.1	.2		.1		.1									8	8		
8/ 67		.2	.9	1.0	.4	.1												24	24	2	
6/ 65		.9	.6	.5	.2	.1		.2										24	24	8	2
4/ 63		1.5	1.4	.9	.3	.8	.2											47	47	21	6
7/ 61	.3	1.2	1.7	1.2	1.2	.6			.1									59	59	41	28
7/ 59		1.8	2.0	2.0	.9	1.0	.3											75	75	42	26
7/ 57	.3	1.2	1.7	1.7	2.5	.5	.2		.1									70	70	45	36
5/ 55	.3	1.2	.9	2.5	1.0	.6	.2											62	62	51	45
4/ 53	.3	.4	1.5	1.9	1.0	.6	.2											56	56	64	44
2/ 51		1.3	2.3	1.9	1.7	.6	.1											74	74	42	25
7/ 49	.1	1.8	1.6	1.2	2.6	.8												75	75	88	35
7/ 47	.3	1.5	1.3	1.9	2.8	.2												75	75	73	69
4/ 45		1.3	.9	1.8	1.2	.1												49	49	65	62
4/ 43		1.0	1.0	2.7	.9	.1												52	52	68	53
2/ 41		.4	2.7	1.2	.3	.1												38	38	62	57
40/ 39	.1	.8	1.4	1.8	.5													43	43	64	51
34/ 37		.8	1.0	1.0	1.0													34	34	61	39
10/ 35		1.1	.2	1.0	.1													22	22	33	53
34/ 33	.1	.3	1.2	.3	.1													19	19	41	65
2/ 31		.1	.5	.2														8	8	24	57
10/ 29		.2	.3															5	5	23	43
23/ 27		.1																1	1	7	32
25/ 25																				5	36
24/ 23																					21
2/ 21																					17
2/ 19																					13
10/ 17																					9
10/ 15																					7
10/ 11																					2
3/ 9																					1
Element (X)	$\Sigma X^2$	$\Sigma X$	$\Sigma$	$\Sigma$	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 ESTOVER AFB MA 69-70, 73-80 OCT

STATION

STATION NAME

YEARS

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	1.9	19.0	24.0	27.0	19.1	6.6	1.7	.4	.2									930	930	930	930
Element (X)	Z <sub>x</sub> <sup>1</sup>	Z <sub>x</sub>	I	° <sub>a</sub>	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.	45645.5	63563	68.3	15.398	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	2557991	48:05	51.6	9.283	930		1.4	4.2	.4			93									
Wet Bulb	2105308	43414	46.7	9.202	930		5.9	.2				93									
Dew Point	1683925	38103	41.0	11.486	930		23.8					93									

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14773 WESTOVER AFB MA STATION NAME

69-70.73-80 YEARS

OCT MONTH

PAGE 1 21.0-23.00 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point
7 / 69				.2	.3	.3												5	5		
6 / 67		.2	.3		.2													4	4		
6 / 65		.3	.9	.3														10	10	2	1
4 / 63		.9	1.3	.5														17	17	8	2
2 / 61	.2	1.9	1.7	.6	.2	.2	.2											31	31	14	10
1 / 59	.2	2.0	1.7	.8	.2													31	31	27	13
1 / 57	.2	2.9	1.1	.9	.6	.2												35	35	30	23
5 / 55		3.8	.6	.9	1.3													42	42	27	34
4 / 53	.5	1.4	1.7	1.6	1.1													40	40	43	30
2 / 51		2.2	1.9	1.9	.5													41	41	21	27
50 / 49		2.2	1.7	1.7	1.4													45	45	40	20
3 / 47	.2	3.1	2.0	1.7	1.3													53	53	48	33
40 / 45	.2	2.8	1.1	1.7	.5													40	40	52	29
4 / 43		3.1	2.7	1.1	.5													47	47	46	43
2 / 41	.2	1.3	2.4	.6	.5													31	31	51	41
4 / 39		2.2	1.6	.6	.2													29	29	40	43
30 / 37	.8	2.4	.9	.5	.6													33	33	39	37
20 / 35	.2	2.4	1.4	.5	.2													29	29	36	34
34 / 33	.3	1.7	1.3	.8														26	26	31	51
2 / 31	.3	1.4	.8	.5														19	19	20	42
2 / 29		1.3	.6	.3														14	14	22	22
20 / 27		1.6	.5	.2														14	14	24	22
20 / 25																				12	18
24 / 23																			3		16
2 / 21																					17
2 / 19																					10
20 / 17																					9
10 / 15																					4
14 / 13																					2
12 / 11																					3
TOTAL	3.0	40.7	28.3	17.9	9.3	.6	.2											636	636	636	636

Element (X)	Σx'	Σx	X	σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
Ref. Num.	3787352	48306	76.0	13.653	636	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	1501918	30266	47.6	9.851	636		6.9	1.3				93
Wet Bulb	1302631	28121	44.2	9.660	636		11.8					93
Dew Point	1100507	25861	40.0	11.310	636		24.1					93

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

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 69-70, 73-80 YEARS OCT MONTH

PAGE 1 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
6/ 25								.1																									2	2				
4/ 23								.1	.0										.0	.0														6	6			
1/ 21								.0											.0	.0															2	2		
1/ 79								.0	.0										.0	.0															6	6		
7/ 77							.0	.0	.1	.1									.1	.1															17	17		
8/ 75					.1	.1	.1	.1	.0	.0									.0	.0															34	34		
4/ 73			.0	.0	.1	.3	.1	.1	.1	.0									.0	.0															47	47		
1/ 71		.0	.1	.2	.7	.2	.2	.1	.2	.0									.0	.0															111	111		3
1/ 69		.1	.2	.4	.4	.2	.2	.3	.2	.0									.0	.0															122	122		6
6/ 67		.1	.5	.6	.2	.3	.5	.2	.1	.1									.0	.0															159	159		20
6/ 65		.8	.7	.4	.3	.5	.5	.3	.2	.0									.0	.0															229	229		81
4/ 63		.9	.7	.5	.6	.8	.4	.3	.2	.0									.0	.0															266	266		194
2/ 61	.1	1.3	.9	.7	.6	.6	.5	.3	.1	.0									.0	.0															313	313		192
1/ 59	.1	1.7	1.1	1.0	.8	1.0	.6	.1	.0	.0									.0	.0															401	401		218
1/ 57	.2	1.6	.9	1.0	1.5	.9	.6	.3	.0	.0									.0	.0															421	421		304
5/ 55	.1	1.7	1.0	1.1	.9	.7	.5	.2	.0	.0									.0	.0															392	392		343
4/ 53	.2	1.3	1.3	1.4	1.0	1.0	.7	.1	.0	.0									.0	.0															437	437		387
2/ 51	.1	1.7	1.7	1.2	1.1	1.0	.5	.0	.0	.0									.0	.0															454	454		356
5/ 49	.3	1.8	1.4	1.3	1.4	.8	.2	.0	.0	.0									.0	.0															410	410		508
4/ 47	.2	1.9	.9	1.2	1.6	.6	.7	.0	.0	.0									.0	.0															392	392		478
1/ 45	.1	1.9	1.1	1.1	1.0	.4	.0	.0	.0	.0									.0	.0															349	349		455
5/ 43	.1	2.0	1.3	1.0	.6	.2	.0	.0	.0	.0									.0	.0															323	323		415
2/ 41	.3	1.2	1.2	.6	.6	.1	.0	.0	.0	.0									.0	.0															252	252		482
4/ 39	.2	1.4	.8	.7	.3	.0	.0	.0	.0	.0									.0	.0															210	210		411
3/ 37	.3	1.5	.4	.6	.3	.0	.0	.0	.0	.0									.0	.0															188	188		329
1/ 35	.2	1.5	.8	.5	.2	.0	.0	.0	.0	.0									.0	.0															173	173		234
3/ 33	.2	1.4	.5	.3	.0	.0	.0	.0	.0	.0									.0	.0															148	148		231
2/ 31	.1	.9	.5	.2	.0	.0	.0	.0	.0	.0									.0	.0															112	112		169
10/ 29	.2	.7	.4	.1	.0	.0	.0	.0	.0	.0									.0	.0															80	80		134
2/ 27	.1	.7	.1	.0	.0	.0	.0	.0	.0	.0									.0	.0															59	59		99
16/ 25	.1	.4	.0	.0	.0	.0	.0	.0	.0	.0									.0	.0															33	33		76
2/ 23	.0	.3	.0	.0	.0	.0	.0	.0	.0	.0									.0	.0															25	25		34
2/ 21	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0									.0	.0															17	17		22
1/ 19	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0									.0	.0															8	8		14
Element (X)	Σ X'		Σ X		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature						TOTAL		TOTAL																			
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

14703 ESTOVER AFB MA 69-70, 73-80 OCT  
 STATION STATION NAME YEARS MONTH

PAGE 2 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	
17		.0																3	3	6	85	
15																					56	
13																					16	
11																					12	
9																					9	
7																					7	
TOTAL	3.1	29.3	17.6	16.0	14.2	9.6	5.8	2.5	1.3	.5	.0							6201	6201	6201	6201	
																		6201		6201		

Element (X)	ΣX'	ΣX	X	n	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Num.	31258768	424599	68.518	777	6201							
Dry Bulb	17165178	318870	51.911	131	6201		40.4	60.7	13.7	1.6		744
Wet Bulb	13854661	286717	46.29	818	6201		60.5	3.5				744
Dew Point	10914139	250113	40.311	542	6201		208.0	.8				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

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

69-70, 73-75 YEARS

NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																	
67/67				.4																													2	2			
67/65				.4																													2	2			
64/63			.2	.4	.4																												5	5			
62/61																																				3	
61/59		.4																																2	2		3
60/57	.2	.7				.2		.2																									6	6	6	8	
59/55		1.8	.2	.2	.2	.7																											14	14	5	2	
47/53		2.2	.4		.4	.7																											17	17	10	7	
27/51	.2	2.7	2.2		.4	.7																											28	28	11	17	
50/49	1.1	2.7	3.1		.4	.2																											34	34	22	13	
47/47	.4	4.4	1.3	.7																													31	31	26	15	
47/45		2.7	1.6	.7																													22	22	4	25	
47/43		3.1	1.6	.9	.2																												26	26	31	33	
27/41		1.3	.7	1.8	.9																												21	21	22	19	
40/39	.7	2.0	2.2	.4																													24	24	18	25	
37/37		3.6	1.8	1.1																													29	29	24	12	
38/35	.2	3.1	3.8	.9																													36	36	32	19	
34/33	1.3	5.8	2.1	.7																													49	49	37	30	
27/31	.2	2.2	1.3	.4																													19	19	48	31	
30/29	.7	2.7	.7	.9																													22	22	27	37	
28/27	.7	2.4	.4	.4																													18	18	28	25	
57/25	.4	1.8	.9																														14	14	12	27	
24/23	.2	1.6	.7																														11	11	15	33	
22/21	.9	.9	.2																														9	9	17	25	
17/19	.7	.7	.2																														7	7	8	14	
17/17		.4																															2	2	4	12	
16/15																																				1	9
14/13																																					6
12/11																																					5
10/9																																					2
17/7																																					3
67/5																																					1
TOTAL		9.0	49.1	26.7	10.4	3.3	2.2	.2																										450	450	450	450
Element (X)		Z <sub>1</sub>	Z <sub>2</sub>	X	Y	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.		2823622	35089	78.0	14.025	450	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																									Total
Dry Bulb		767272	18010	40.0	10.174	450		20.4	.4																												90
Wet Bulb		671231	16821	37.4	9.725	450		32.0																													90
Dew Point		596070	14996	33.3	11.201	450		46.0																													90

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 ESTOVER AFB MA 69-70, 73-75 YEARS NOV  
 STATION STATION NAME YEARS 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
4/ 63			.7	.4														5	5		
4/ 61			.4															2	2		
4/ 59						.2												1	1	3	
4/ 57	.7	.9	.4		.2	.2												11	11	8	7
5/ 55	.2	1.3			.2													8	8	6	3
4/ 53		1.1		.2	.4	.2												9	9	6	10
2/ 51	.2	3.6	.2	.2		.4												21	21	12	13
5/ 49	.2	3.1	2.4	.4	.4	.7												33	33	15	7
4/ 47	.4	3.1	.7	.7	.4													24	24	27	14
4/ 45	.4	4.9	2.0	1.1														38	38	29	18
4/ 43		3.8	1.8	1.6														32	32	27	33
2/ 41	.4	.9	1.8	1.6	.4													23	23	36	19
4/ 39	.4	2.0	1.8	.7														22	22	22	17
3/ 37	.2	2.2	1.1	1.3														22	22	26	21
1/ 35		3.3	2.4	.4														28	28	22	23
3/ 33	2.4	5.1	2.2															44	44	40	24
2/ 31		2.2	1.8	.2														19	19	39	31
3/ 29		3.3	1.3	.2														22	22	22	36
2/ 27	1.6	3.1	1.3															27	27	32	23
1/ 25	.7	2.2		.4														15	15	18	31
2/ 23	1.3	1.1	.2															12	12	22	29
2/ 21	1.3	.4	.7															11	11	10	28
2/ 19	.9	2.0																13	13	11	19
1/ 17	.9	.2																5	5	13	5
1/ 15		.2																1	1	2	19
4/ 13																					3
12/ 11	.4																	2	2	2	11
1/ 9																					2
1/ 7																					3
5/ 5																					1
TOTAL	12.9	50.2	23.3	9.6	2.2	1.8												450	450	450	450

Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>g</sub>	X	° <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2918067	35702	79.313.803		450	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	723308	17408	38.710.557		450		25.4					90
Wet Bulb	638689	16347	36.310.044		450		34.2					90
Dew Point	532107	14613	32.911.324		450		48.2					90

USAFETAC FORM AIR 44 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

1-793 ESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

NOV MONTH

PAGE 1 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
47/63		.7		.1														6	6		
47/61		.5	.3															6	6	5	1
47/59			.1		.1													2	2	4	8
47/57	.3	1.5	.3		.3													17	17	8	2
57/55	.3	.9			.1													10	10	14	10
47/52		1.3			.3													12	12	9	14
27/51	.1	2.4	1.2	.1		.1												30	30	14	12
57/49	.1	1.9	1.1	.5	.5	.1												32	32	25	17
7/47	.4	3.3	.7	.5	.5													41	41	28	21
47/45	.4	2.8	1.3	.9	.3													43	43	38	28
47/43	.3	3.2	2.0	1.1	.4													52	52	29	26
27/41		3.1	2.3	2.0	.3													57	57	55	35
47/39	.4	2.5	2.5	.8														47	47	54	30
7/37	.5	2.7	1.6	1.9														50	50	49	40
7/35	.4	2.5	2.0	2.7														52	52	51	38
37/33	1.6	3.2	2.1	.1														53	53	53	35
27/31	.9	4.9	1.9	.4														61	61	64	71
7/29	1.1	3.5	2.4	.3														54	54	71	39
7/27	.7	2.4	1.2	.3														34	34	44	49
7/25	.4	2.3	.9															27	27	42	62
24/23	.9	1.5	.3															20	20	34	38
27/21	.4	.4	.1															7	7	16	44
10/19	.7	1.2	.5															18	18	13	31
27/17	.7	.7	.1															11	11	17	38
15/15	.4	.4																6	6	7	18
15/13	.3	.1																3	3	5	12
17/11																					18
10/9																					4
7/7																					3
6/5																					2
4/3																					5
TOTAL	11.2	49.8	24.9	11.1	2.8	.3												751	751	751	751
Element (X)	ΣX <sup>2</sup>	ΣX	X	X <sup>2</sup>	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	4765490	58902	78.4	13,939	751	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	1155672	28468	37.9	10,102	751		28.9					9.0									
Wet Bulb	1020121	26677	35.8	9,832	751		37.7					9.0									
Dew Point	841939	23619	31.5	11,896	751		52.0					9.0									

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

1-703 WESTOVER AFB MA STATION NAME

69-70,73-80 YEARS

NOV MONTH

PAGE 1 2900-1100 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
71			.1															1	1		
69				.1														2	2		
67		.1	.2		.2													5	5	1	
65		.1	.2	.2	.3	.1	.1		.1									11	11	1	2
63		.1	.1	.2	.2	.1	.1											8	8	5	
61		.6	.3															10	10	3	6
59		.9	.2	.1	.3													14	14	14	5
57		.8	.4	.3	.4	.2	.2											22	22	15	6
55	.2	1.3	.3	.4	.6	.2	.2											30	30	16	14
53		1.2	1.4	.8	.4	.8	.1											43	43	17	19
51		1.2	2.1	1.4	.8													51	51	27	27
49	.1	1.8	2.3	1.1	1.3	.3												63	63	39	2
47	.1	2.3	1.8	1.0	1.7	.4												66	66	54	25
45		2.2	1.8	2.0	2.3	.8												82	82	62	44
43	.1	2.9	1.8	2.1	1.9													79	79	63	28
41	.1	2.2	2.1	2.9	1.8	.1												83	83	71	55
39	.1	1.6	2.4	2.4	1.3													71	71	67	59
37	.1	1.6	1.9	2.2	.8													59	59	83	48
35	.3	1.2	2.7	1.9	.6													60	60	90	40
33	.3	1.2	1.2	1.6	.2													41	41	71	56
31		1.6	1.3	1.2	.2													39	39	64	56
29		.9	1.6	.6														27	27	39	61
27		1.0	.3	.3														15	15	42	68
25		.4	.3	.1														8	8	30	62
23		.1	.1															2	2	13	47
21		.1	.4															5	5	4	37
19			.3															3	3	2	45
17																				6	29
15																				1	18
13																					14
11																					17
9																					4
7																					2
5																					3
Element (X)	$\Sigma X^1$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM AIR 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1-73 ESTOVER AFB MA 69-70,73-80 YEARS NOV MONTH

PAGE 2 0900-1800 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	1.6	27.4	28.0	23.1	15.4	3.6	.8		.1									900	900	900	
Element (X)	Z <sub>X</sub> <sup>2</sup>	Z <sub>X</sub>		X	S <sub>X</sub>	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.	4400343	61165		68.0	16.4	900	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb	1792750	39334		43.7	9.3	900		9.9	.8				900								
Wet Bulb	1471431	35495		39.9	8.9	900		20.1	.1				900								
Dew Point	1110001	29843		33.2	11.5	900		45.3					900								

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

10703 WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

YEARS

NOV MONTH

PAGE 1 12-14-68 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			
67/75			.2	.1														3	3					
64/73					.1	.1	.2											4	4					
67/71						.2	.4	.1										7	7	2				
67/69				.1	.2	.3	.1	.1										8	8	1	2			
67/67			.1	.3	.3	.1				.3								11	11		1			
67/65		.1	.6		.1	.4	.2											13	13	1				
64/63		.4			.2	.8	.1	.1		.2								17	17	4				
67/61		.4	.6	.6	.3	.4	1.0	.1	.1									32	32	25	4			
67/59		.4	.3	.9	.6	.7	.9	.3										37	37	8	14			
67/57		.3	.9	1.1	.8	.4	.7	.3										40	40	19	9			
57/55		.4	.6	2.2	.8	1.2	.2	.1										50	50	17	11			
47/53		.4	.8	1.4	1.4	1.2	.2											50	50	35	14			
27/51	.1	2.1	1.4	1.1	1.8	1.2	.4											74	74	32	21			
57/49	.2	1.7	1.2	1.3	2.1	.4												61	61	73	24			
47/47		1.0	1.2	1.3	3.2	2.4	.2											85	85	52	37			
47/45		1.6	1.2	1.4	4.0	1.1	.2											86	86	69	32			
47/43	.1	1.1	.6	2.2	3.1	.8												70	70	62	31			
27/41	.3	.6	.9	1.8	3.1	.3												63	63	66	47			
40/39	.1	.7	1.1	2.0	2.7	.2												60	60	78	47			
37/37		.4	.9	1.3	2.0	.1												43	43	95	51			
67/35		.3	.9	1.0	1.1													30	30	67	37			
37/33		.7	.4	1.1	.6													25	25	68	39			
27/31		.3		.6	.3													11	11	43	53			
10/29	.2	.4	.2	.2	.2													12	12	39	57			
27/27		.1		.1														2	2	18	77			
67/25				.2														2	2	12	62			
24/23		.1	.1															2	2	3	57			
27/21			.2															2	2	5	46			
67/19																				4	31			
67/17																					22			
10/15																					32			
67/13																					18			
17/11																					5			
67/9																					7			
Element (X)	Σ X <sup>2</sup>		Σ X		X̄		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		= 67 F		= 73 F		= 80 F		= 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

1-73  
STATIONWESTOVER AFB MA  
STATION NAME69-73-73-80  
YEARSNOV  
MONTHPAGE 2  
1210-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																		
/ 7																																					1		
/ 6																																					4		
/ 5																																					7		
/ 4																																					2		
/ 3																																					1		
/ 2																																					1		
/ 1																																					9		
/ -1																																					9		
T. Tot.		9.12	2.14	8.22	1.28	3.14	5.4	1.2	.1	.6																										900		900	

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s_x$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	3308615	52307	58.1	17.285	900	= 0 F	= 32 F	= 47 F	= 73 F	= 80 F	= 93 F	
Dry Bulb	2172341	43401	48.2	9.398	900		3.1	3.3	.7			7
Wet Bulb	1650243	37693	41.9	8.925	900			12.4	.3			4
Dew Point	1123396	29872	33.2	12.113	900	.1	46.6	.3				5

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 STATION ESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
6/ 75					.0													2	2		
4/ 73						.2												4	4		
7/ 71					.1	.2			.1									4	4		
7/ 69				.1	.1	.2			.2									6	6	1	
6/ 67				.1	.3	.1			.1	.1								7	7	1	
6/ 65		.4	.3	.7	.2	.4	.3		.1	.1								23	23		1
4/ 63		.4	.1			.4	.3	.2										14	14	10	1
7/ 61		.6	.9	.3	.1	.3	.8	.1	.2	.1								31	31	11	8
7/ 59		1.0	.1	.6	.3	1.2	.7	.2										37	37	23	5
7/ 57		.2	.8	1.1	.8	.3	.4	.3										36	36	17	12
5/ 55		.2	.4	.7	1.0	.7	.6	.1										33	33	16	20
5/ 53	.1	1.4	.7	1.7	1.2	1.4	.1											60	60	26	20
2/ 51		1.0	1.9	1.1	1.6	1.6	.2											66	66	37	9
5/ 49	.2	1.2	1.1	1.0	1.7	1.6	.4											65	65	63	31
7/ 47		1.3	1.1	.7	1.2	2.0	.1											58	58	57	23
4/ 45	.1	1.6	1.0	1.0	3.9	1.3	.1											81	81	62	34
4/ 43		2.0	.9	2.2	3.0	.8												80	80	67	40
2/ 41	.1	.8	.4	2.3	1.8	.4												53	53	57	61
4/ 39		.8	1.1	3.6	2.4	.1												72	72	64	51
2/ 37		.4	1.6	1.9	2.4	.1												58	58	89	26
6/ 35		.6	1.0	2.2	1.2													45	45	76	57
34/ 33		.3	.8	1.4	.2													25	25	66	30
2/ 31	.2	.4	.9	.8	.1													22	22	59	45
0/ 29	.1	.1	.1	.6	.1													9	9	48	50
23/ 27				.1	.1													2	2	27	76
24/ 25				.3														3	3	8	83
24/ 23			.1															1	1	5	44
27/ 21		.3																3	3	8	33
0/ 19																				2	48
26/ 17																					34
15/ 15																					21
14/ 13																					15
12/ 11																					14
7/ 9																					3
Element (X)	Σ X'		Σ X		X	σ <sub>s</sub>	No. Obs.	Mean No. of Hours with Temperature													
Rel. Hum.								≤ 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total							
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1973 ESTOVER AFB MA 69-70, 73-80 NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point
/ 7																					5
/ 5																					1
/ 3																					1
/ 1																					1
/ -1																					2
/ -3																					1
TOTAL	.9	15.2	15.3	24.4	24.2	13.6	4.3	1.4	.3	.2									9.00	9.00	9.00

Element (X)	$\sum x^2$	$\sum x$	X	$\sigma_n$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$						
Dry Bulb	3441256	53394	59.3	17.4	900		4.0	2.3	.6			9.0
Wet Bulb	2101239	42628	47.4	9.56	900		15.7	.2				9.0
Dew Point	1613014	37210	41.3	9.109	900	.3	47.7					9.0

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

GLOBAL CLIMATOLOGY BRANCH  
 AFATETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14-793 WESTOVER AFB MA

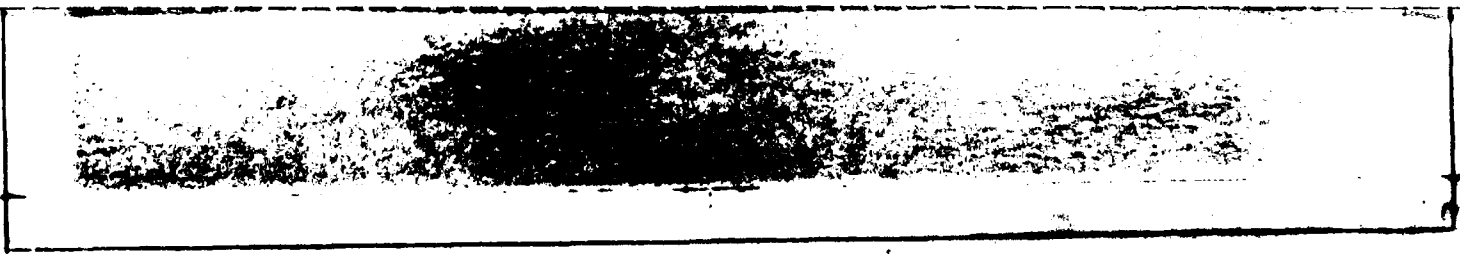
69-70, 73-80

NOV  
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb
1 / 69					.1													1	1	
2 / 67			.2	.2	.3													7	7	
3 / 65		.2	.2	.3														7	7	
4 / 63		.6	.1	.8			.1											14	14	6
5 / 61			.1	.1			.2											4	4	11
6 / 59	.2		.7			.1		.1										10	10	8
7 / 57		1.1	1.7		.6	.3	.1											28	28	9
8 / 55		.6	1.4	.4	.4	.3												29	29	17
9 / 53	.2	1.3	1.8	.9	.3	.7	.1											48	48	19
10 / 51		1.9	2.1	1.3	.9	.3												59	59	30
11 / 49	.3	1.7	1.8	1.1	.7													50	50	53
12 / 47		1.8	1.2	.3	1.2	.6												50	50	47
13 / 45	.2	2.2	1.0	2.1	1.9	.1												68	68	61
14 / 43		3.1	1.4	2.3	1.6	.1												77	77	49
15 / 41	.2	1.9	1.4	2.6	1.2													66	66	66
16 / 39	.1	1.4	1.8	2.3	.6													56	56	51
17 / 37		1.1	1.8	3.6	.6													63	63	71
18 / 35	.1	1.6	3.1	3.1	.2													73	73	64
19 / 33		1.2	3.6	3.7														70	70	68
20 / 31		1.7	2.6	1.6	.1													53	53	76
21 / 29	.3	1.6	1.6	.3	.1													35	35	76
22 / 27	.1	.9	.4	.3														16	16	59
23 / 25		.3	.6	.1														9	9	35
24 / 23		.1	.1	.1														3	3	12
25 / 21	.1	.1																2	2	7
26 / 19			.1															1	1	3
27 / 17		.1																1	1	4
28 / 15																				1
29 / 13																				9
30 / 11																				6
31 / 9																				7
32 / 7																				5
33 / 5																				1
34 / 3																				1
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

USAFETAC FORM 0-26-5 (OLA) REVERSED MIRRORED EDITIONS OF THIS FORM ARE OBSOLETE







GLOBAL CLIMATOLOGY BRANCH  
 AFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

1703 WESTOVER AFB MA STATION NAME

69-72,73-80 YEARS

NOV MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
1 / 69					.3													2	2		
2 / 67			.1	.1														2	2		
3 / 65			.1	.1														2	2		
4 / 63		.4	.3	.7														10	10	2	
5 / 61		.1	.3	.3														3	3	6	3
6 / 59	.1	.3	.3				.3											5	5	8	4
7 / 57	.1	.9	.8	.1		.1												16	16	5	7
8 / 55		.9	.7	.3	.3	.1												17	17	12	5
9 / 53		1.7	2.0	.1	.8													35	35	14	13
10 / 51		2.3	1.7	.5	.5													38	38	25	16
11 / 49	.5	2.5	2.1	.9	.4	.1												50	50	38	34
12 / 47	.1	2.1	1.2	.9	.1	.1												35	35	38	26
13 / 45	.1	3.1	1.2	.9	.9													47	47	39	18
14 / 43		3.1	1.5	1.7	.7													52	52	52	37
15 / 41		2.4	1.7	2.8	.8													58	58	38	52
16 / 39	.1	2.1	2.8	2.0	.1													54	54	41	23
17 / 37	.1	1.3	2.0	2.7	.4													49	49	59	33
18 / 35	.3	2.1	3.2	3.1														65	65	52	36
19 / 33	.4	3.1	3.9	2.3														69	69	61	45
20 / 31	.5	2.3	1.6	1.6	.1													46	46	73	45
21 / 29	.3	2.4	1.6	.1														33	33	61	40
22 / 27	.5	.9	1.6															23	23	51	50
23 / 25	.1	1.2	.7	.3														17	17	31	61
24 / 23	.1	.7	.1															7	7	20	46
25 / 21	.3	.8	.1	.1														10	10	14	46
26 / 19		.1	.1															2	2	4	36
27 / 17	.1	.1																2	2	3	32
28 / 15																				2	16
29 / 13		.1																1	1	1	9
30 / 11																					10
31 / 9																					5
32 / 7																					2
33 / 5																					2
34 / 1																					2
Element (X)	Σ X <sup>2</sup>		Σ X		Σ	σ <sub>s</sub>	No. Obs.		Mean No. of Hours with Temperature						Total						
Rel. Hum.									≤ 6 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F							
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14703 WESTOVER AFB MA 69-70,73-80 YEARS NOV

PAGE 2 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
TOTAL	4.0	36.9	31.1	21.6	4.8	1.2	.4											750	750	750	750			
Element (K)	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>	Z <sub>h</sub>
Rel. Hum.	4155488	58656	72.9	15.17	750	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total												
Dry Bulb	1323600	30684	40.9	9.546	750		16.9	.5				90												
Wet Bulb	1126005	28195	37.6	9.391	750		31.2					90												
Dew Point	887809	28307	32.4	11.557	750		48.2					90												

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

18793 WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

NOV 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															
5/ 75			.0	.0	.0																									5	5				
4/ 73				.0	.0	.0	.1																							8	8				
3/ 71			.0	.0	.0	.1	.1	.0																					12	12	2				
2/ 69				.0	.1	.1	.0	.0																					19	19	2	2			
6/ 67		.0	.1	.1	.2	.0	.0	.0		.1																		34	34	2	1				
6/ 65		.1	.2	.2	.1	.1	.1	.0		.0																		58	58	2	3				
4/ 63		.4	.1	.3	.1	.2	.1	.0		.0																		79	79	27	1				
2/ 61		.3	.3	.2	.1	.1	.3	.0		.0	.0																	88	88	64	31				
1/ 59	.0	.4	.2	.2	.2	.3	.3	.1																				108	108	71	42				
7/ 57	.1	.8	.6	.4	.4	.2	.2	.1																				176	176	87	55				
5/ 55	.1	.8	.5	.6	.5	.4	.2	.0																				191	191	103	76				
4/ 53	.0	1.3	1.0	.7	.6	.8	.1																					274	274	136	115				
2/ 51	.1	2.0	1.7	.8	.8	.6	.1																					367	367	188	125				
5/ 49	.3	1.7	1.8	.8	.9	.7	.1																					388	388	328	175				
1/ 47	.1	2.2	1.2	.8	1.2	.8	.7																					390	390	329	167				
7/ 45	.1	2.4	1.3	1.3	2.0	.5	.0																					467	467	400	235				
4/ 43	.1	2.6	1.4	1.9	1.6	.2																						468	468	380	277				
2/ 41	.1	1.7	1.4	2.3	1.4	.1																						424	424	413	340				
40/ 39	.2	1.5	1.9	2.0	1.1	.0																						406	406	395	298				
11/ 37	.1	1.5	1.6	2.1	.9	.0																						373	373	496	259				
10/ 35	.2	1.6	2.3	2.0	.5																							389	389	454	287				
34/ 33	.6	2.1	2.0	1.4	.1																							376	376	464	308				
2/ 31	.2	1.8	1.4	.9	.1																							270	270	466	379				
20/ 29	.3	1.6	1.2	.4	.1																							214	214	383	363				
23/ 27	.3	1.1	.6	.2	.0																							137	137	371	435				
6/ 25	.1	.8	.4	.2																								95	95	188	453				
24/ 23	.2	.5	.2	.0																								58	58	124	344				
2/ 21	.3	.3	.2	.0																								49	49	63	294				
10/ 19	.2	.4	.2																									44	44	47	281				
10/ 17	.2	.2	.1																									21	21	48	212				
10/ 15	.0	.1																										7	7	14	155				
14/ 13	.0	.0																										4	4	6	86				
12/ 11	.0																											2	2	2	79				
1/ 9																																34			
Element (X)	Σx'	Σx	X	σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

1-703 STATION ESTOVER AFB MA STATION NAME 69-70,73-80 YEARS NOV MONTH

PAGE 2 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																					22																																																																												
/ 5																					15																																																																												
/ 3																					14																																																																												
/ 1																					8																																																																												
/ -1																					5																																																																												
/ -3																					1																																																																												
TOTAL	4.3	30.5	24.0	20.1	13.2	5.6	1.7	.4	.1	.1								6001	6001	6001	6001																																																																												
<table border="1"> <thead> <tr> <th>Element (X)</th> <th>Σ<sub>h</sub><sup>1</sup></th> <th>Σ<sub>h</sub></th> <th>X</th> <th>σ<sub>n</sub></th> <th>No. Obs.</th> <th colspan="5">Mean No. of Hours with Temperature</th> <th>Total</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <th>≤ 0 F</th> <th>≤ 32 F</th> <th>≤ 67 F</th> <th>≤ 73 F</th> <th>≤ 80 F</th> <th>≤ 93 F</th> <td></td> </tr> </thead> <tbody> <tr> <td>Rel. Hum.</td> <td>30235698</td> <td>412712</td> <td>68.8</td> <td>17.568</td> <td>6001</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Dry Bulb</td> <td>11771389</td> <td>258547</td> <td>43.1</td> <td>10.268</td> <td>6001</td> <td></td> <td>108.1</td> <td>9.8</td> <td>1.6</td> <td></td> <td></td> <td>720</td> </tr> <tr> <td>Wet Bulb</td> <td>9623062</td> <td>233362</td> <td>38.9</td> <td>9.559</td> <td>6001</td> <td></td> <td>198.9</td> <td>.7</td> <td></td> <td></td> <td></td> <td>720</td> </tr> <tr> <td>Dew Point</td> <td>7283837</td> <td>196253</td> <td>32.2</td> <td>11.728</td> <td>6001</td> <td>.7</td> <td>381.7</td> <td>.8</td> <td></td> <td></td> <td></td> <td>720</td> </tr> </tbody> </table>																					Element (X)	Σ <sub>h</sub> <sup>1</sup>	Σ <sub>h</sub>	X	σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature					Total							≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F		Rel. Hum.	30235698	412712	68.8	17.568	6001								Dry Bulb	11771389	258547	43.1	10.268	6001		108.1	9.8	1.6			720	Wet Bulb	9623062	233362	38.9	9.559	6001		198.9	.7				720	Dew Point	7283837	196253	32.2	11.728	6001	.7	381.7	.8				720
Element (X)	Σ <sub>h</sub> <sup>1</sup>	Σ <sub>h</sub>	X	σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																																																																																						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																																																																																						
Rel. Hum.	30235698	412712	68.8	17.568	6001																																																																																												
Dry Bulb	11771389	258547	43.1	10.268	6001		108.1	9.8	1.6			720																																																																																					
Wet Bulb	9623062	233362	38.9	9.559	6001		198.9	.7				720																																																																																					
Dew Point	7283837	196253	32.2	11.728	6001	.7	381.7	.8				720																																																																																					

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

14703 WESTOVER AFB MA STATION NAME

69-70, 73-75 YEARS

DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
61		.7																3	3			
59					.7													3	3	3	1	
57																					2	
55		.5																2	2	2		
53		.2		.2														2	2	4	2	
51				.2														1	1		1	
49			.5	.2														3	3		3	
47		.9	.2															5	5	3		
45		1.6	.2															8	8	7	1	
43	.5	1.1	.5															9	9	10	7	
41		2.7	.2	1.8														21	21	7	10	
39	1.6	1.6	.5	.2														17	17	25	10	
37		1.6	.7	1.1														15	15	5	20	
35	.5	2.3	2.3	.2	.2													24	24	20	9	
33	.5	2.9	3.9		.2													33	33	18	5	
31		2.5	3.6	.2	.2													29	29	30	11	
29		4.5	3.9															37	37	30	18	
27	1.1	3.6	2.5															32	32	42	24	
25	.5	2.3	3.4															26	26	37	26	
23		4.1	3.6															34	34	21	31	
21	.2	4.3	1.6															27	27	37	22	
19	1.4	2.9	.7															22	22	41	31	
17	1.1	3.4	1.1															25	25	25	28	
15		2.3																10	10	11	33	
13	.2	2.9	.2															15	15	15	18	
11	.7	2.0																12	12	18	31	
9	.7	.9																7	7	8	22	
7		.5																2	2	3	23	
5	.7	.9																7	7	7	14	
3	.5																	2	2	4	7	
1	.2	.2																5	5	5	8	
-1																					4	
-3																					10	
-5																					3	
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma_n$	No. Obs.		Mean No. of Hours with Temperature															
Rel. Num.							$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total									
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

1403 WESTOVER AFB MA STATION NAME

69-70, 73-75 YEARS

DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
61				.2														1	1			
59				.5														2	2			
57				.2														1	1			
55				.5														2	2	3		
51		.5																2	2	3	1	
49		.9		.2														5	5	3	5	
47		1.1	1.1	.5														12	12	4	3	
45		2.0	.5															11	11	6	3	
43		2.3																10	10	18	8	
41	.2	.5																3	3	10	14	
39	1.6	.9	.2	1.8														20	20	10	9	
37	.7	3.2	.7	.2	.2													22	22	10	17	
35	.9	.7	.7	.5	.2													13	13	16	13	
33	.7	2.3	2.7															25	25	23	7	
31		3.4	2.3	.9														29	29	15	5	
29	.9	4.3	3.4	.2														39	39	38	23	
27		5.7	2.0	.2														35	35	29	13	
25	.5	3.6	2.3															28	28	42	29	
23		4.3	2.5															30	30	29	26	
21	.2	3.4	1.8															24	24	26	19	
19	1.8	3.9																25	25	35	22	
17	.2	3.6	.5															19	19	27	38	
15	.9	3.4																19	19	19	25	
13	.7	2.5	.7															17	17	18	21	
11	1.1	2.0																14	14	19	37	
9	.9	.5																6	6	10	27	
7		1.1																5	5	2	24	
5		.9																4	4	5	17	
3	.2	1.1																6	6	6	8	
1	.5																	2	2	5	6	
-1	1.1																	5	5	5	1	
-3	.5																	2	2	2	9	
-5																					9	
-7	.5																	2	2	2	2	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.				Mean No. of Hours with Temperature													
Rel. Hum.									± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total							
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

10723 RESTOVER AFB MA  
STATION STATION NAME

69-70, 73-75  
YEARS

DEC  
MONTH

PAGE 2 0300-0500  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb		Wet Bulb	Dew Point	
- / -9	.2																	1	1	1	3	
- / -11																					2	
-1 / -13																					2	
-1 / -15																					2	
TOTAL	14.3	58.0	21.3	5.9	.5												441	441	441	441		

Element (X)	Σ H <sup>1</sup>	Σ H	X	σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F		≤ 93 F
Rel. Hum.	2591837	33331	75.6	12.851	441							
Dry Bulb	379376	11814	26.8	11.927	441	2.1	65.8					93
Wet Bulb	331879	10999	24.9	11.437	441	2.1	70.6					93
Dew Point	287161	8739	19.8	12.967	441	5.9	76.1					93

USAFETAC FORM AIR 44 0-26-5 (O.L.A.) REVERSED MIRROR EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

1 003 WESTOVER AFB MA STATION NAME

69-7 .73-80 YEARS

DEC MONTH

PAGE 1 7670-08-1 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
7 / 61				.3														2	2																	
7 / 59		.3	.3															4	4																	
5 / 57			.1															1	1	2																
5 / 55		.4																3	3	5																
4 / 53				.1														1	1	3	6															
2 / 51		.4																3	3	2																
5 / 49		.1	.7															6	6	1	3															
7 / 47		.5	.1	.1														6	6	5	1															
4 / 45		.3	.5	.3	.1													9	9	8	4															
4 / 43	.3	.8	.7	.5														17	17	7	2															
2 / 41	.1	1.1	.4	.4	.1													16	16	15																
4 / 39	.1	1.1	.8	.5	.1													20	20	14	13															
3 / 37	.1	2.5	1.9	.5	.1													39	39	20																
7 / 35	.7	2.0	.9	.9	.1													35	35	30	27															
3 / 33	.7	3.2	1.7	.8														48	48	52	15															
2 / 31	.7	4.7	2.4	.9														65	65	43	41															
7 / 29	.4	3.6	3.6	.1														58	58	52	34															
7 / 27	.4	2.8	2.8															42	42	49	51															
7 / 25	.4	3.7	2.3	.3														50	50	68	31															
2 / 23	.7	3.3	2.7	.1														46	46	47	35															
2 / 21	.7	2.0	3.5	.5														50	50	50	50															
7 / 19	.4	4.8	1.2	.3														50	50	50	51															
7 / 17	.7	3.2	.3															31	31	57	61															
1 / 15	.4	2.9	.8															31	31	29	47															
4 / 13	.4	2.4	.3															23	23	32	39															
12 / 11	.9	2.3	.7															29	29	24	46															
7 / 9	.1	1.1	.1															10	10	22	36															
5 / 7	.1	1.7	.1															15	15	12	34															
7 / 5	.3	.5																6	6	15	20															
4 / 3	.7	.7																5	5	5	6															
7 / 1	.1	.9																8	8	8	21															
7 / -1	.9																	7	7	9	12															
- / -3	.7	.1																6	6	5	6															
-4 / -5	.4	.1																4	4	4	17															
Element (X)	Z <sub>X</sub> <sup>1</sup>	Z <sub>X</sub>	X	° <sub>R</sub>	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Num.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUM

USE WITH CAUTION  
SEE FIRST PAGE

14733 WESTOVER AFB MA

69-70, 73-80

YEARS

PAGE 7

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TO		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet															
- / -7		.1																															1	1	
- / -9																																			
- / -11																																			
- / -13																																			
- / -15																																			
- / -17																																			
- / -19																																			
TOTAL		9.8	53.8	28.9	6.8	.7																												747	747

Element (X)	Σ X'	Σ X	$\bar{X}$	$\sigma_s$	No. Obs.	Mean No. of Hours with Temperature					
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F
Rel. Hum.	4070244	54132	72.5	14.062	747						
Dry Bulb	608980	19502	26.1	11.569	747	2.2	66.9				
Wet Bulb	523535	17949	24.1	11.120	747	2.5	72.6				
Dew Point	375888	13508	18.1	13.283	747	8.8	81.6				

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

16703 WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
61			.1															1	1		
59		.1	.2															3	3		
57		.1	.1															2	2	3	
55		.3				.1												4	4	3	3
53		.1	.1			.1												3	3	4	6
51		.2	.2	.3	.2	.1												10	10		1
49	.2	.4	.2	.2	.2	.2		.1										13	13	6	4
47		.2	.3	.2	.3	.1			.1									11	11	10	5
45		.8	.3	.4	.7			.1										21	21	8	1
43		.8	.7	1.4	.3	.2												31	31	14	5
41		.9	1.4	1.7	.1													37	37	18	6
39		1.4	1.4	1.2	.7													43	43	26	16
37	.3	1.2	1.9	1.8														47	47	49	18
35	.3	2.1	2.6	2.8	.3													73	73	49	20
33	.6	2.1	3.0	1.9	.2													70	70	54	29
31	.3	3.4	3.4	2.1	.1													85	85	75	53
29		2.7	3.4	1.1														65	65	78	46
27	.1	2.2	3.6	1.1	.1													64	64	77	48
25	.1	2.9	3.7	.6														65	65	66	55
23	.2	1.6	3.4	.6														52	52	80	34
21		1.4	2.9	.2														41	41	52	53
19	.1	2.7	2.6	.2														50	50	55	67
17	.1	1.3	1.4															26	26	50	61
15		2.0	1.2															29	29	33	51
13		1.0	.9															17	17	29	52
11	.2	1.2	.1															14	14	22	50
9	.1	.8	.2															10	10	15	40
7	.1	.1	.2															4	4	10	33
5		.6																5	5	5	32
3		.2																2	2	3	26
1		.2																2	2	3	11
-1																				1	13
-3																					15
-5																					15
Element (X)	Σ X'	Σ X	X	σ <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 69-70, 73-80 YEARS DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
- / -7																					10
- / -9																					1
- / -11																					4
- / -13																					1
- / -15																					2
- / -17																					3
- / -19																					1
TOTAL	2.9	35.2	39.8	17.9	3.6	.4	.2										900	900	900	900	

Element (X)	$\Sigma X^1$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.	Mean No. of Hours with Temperature					Total	
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	4086588	58948	65.5	15.861	900							
Dry Bulb	914511	27211	30.2	10.105	900		54.9					93
Wet Bulb	792277	24351	27.1	9.633	900	.1	67.6					93
Dew Point	481138	17886	19.9	12.587	900	6.7	80.7					93

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFS WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
6/ 65									.1									1	1			
4/ 63									.1									1	1			
3/ 61			.1															1	1			
1/ 59		.3			.3	.1	.2											9	9			
1/ 57		.2			.2	.1			.1									6	6	5	1	
5/ 55		.3		.2	.4	.3	.2	.1										15	15	2	6	
4/ 53		.1		.1	.1			.1										4	4	2	1	
2/ 51	.1	.2		.4	.6													12	12	12	5	
6/ 49	.1	.7	.1	.1	.4	.1	.1											15	15	4	2	
1/ 47	.1	.4	.4	.2	.2	.2	.2	.1										18	18	17	4	
4/ 45		.7	.9	1.4	1.9	.8												51	51	11	8	
4/ 43		.8	.9	1.7	1.0	.1												40	40	24	7	
2/ 41		.4	1.7	2.6	1.8	.1												59	59	19	14	
4/ 39		.6	1.4	1.7	1.9													50	50	36	15	
3/ 37		1.2	1.6	2.9	.8													58	58	62	12	
1/ 35		1.9	1.8	4.3	1.4													85	85	69	30	
3/ 33	.7	1.0	1.8	3.1	.7													65	65	62	36	
2/ 31	.3	3.1	2.6	4.6	1.1													105	105	81	39	
1/ 29	.1	1.2	2.8	2.														55	55	89	51	
1/ 27		.8	3.8	2.7														65	65	76	58	
6/ 25		1.6	3.0	1.7														56	56	73	46	
2/ 23		.8	1.4	.7														26	26	74	45	
2/ 21		1.0	1.7	.8														31	31	53	47	
1/ 19		.7	.9	.6														19	19	37	75	
1/ 17		.9	1.0	.1														18	18	27	61	
16/ 15		.9	.6															13	13	21	58	
14/ 13		.9	.4															12	12	18	40	
11/ 11		.7	.3															9	9	16	46	
8/ 9		.1																1	1	7	48	
7/ 7																				3	46	
5/ 5																					22	
4/ 3																					17	
1/ 1																					17	
1/ -1																					7	
Element (X)	Σ X'		Σ X		X	σ <sub>n</sub>	No. Obs.		Mean No. of Hours with Temperature							Total						
Rel. Hum.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F								
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14723 ESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

DEC MONTH

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

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

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																			
- / -3																																								11
- / -5																																								9
- / -7																																								6
- / -9																																								1
-1 / -13																																								3
-1 / -15																																								1
-1 / -17																																								4
- / -19																																								1
TOTAL	1.4	21.4	29.1	31.8	12.9	1.9	.9	.3	.1	.1																											900	900	900	900

Element (X)	$\Sigma X'$	$\Sigma X$	$\Sigma$	$\sigma_n$	No. Obs.	Mean No. of Hours with Temperature						Total
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	
Rel. Hum.	3380900	53014	58.9	16.985	900							93
Dry Bulb	1137752	30758	34.2	9.814	900		42.4					93
Wet Bulb	872343	26800	29.8	9.087	900		59.4					93
Dew Point	512097	18361	20.4	12.368	900		78.8					93

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

69-70, 73-80 YEARS

DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	= 31	Dry Bulb	Wet Bulb
6/ 65							.1											1	1	
7/ 61		.1				.1	.2											4	4	
7/ 59		.2				.2	.2	.1										7	7	2
7/ 57		.3				.1	.1											5	5	2
5/ 55						.2	.2											4	4	2
4/ 53				.2	.3	.1			.1								7	7	3	
2/ 51		.4	.4			.4	.1										13	13	3	
5/ 49	.1	.2	.3	.1	.3		.1										11	11	10	
7/ 47	.1	.2	.3	.3	.2	.2	.1										14	14	15	
4/ 45	.1	.7	.6	1.2	1.3	.1											36	36	10	
4/ 43		1.5	.2	2.0	1.1	.3											46	46	18	
2/ 41		.3	1.9	1.7	1.5												48	48	25	
40/ 39		.7	.9	3.8	1.9	.1											65	65	20	
3/ 37	.2	1.3	1.7	2.8	1.0	.2											65	65	65	
5/ 35	.6	1.7	2.5	3.2	1.2												82	82	62	
3/ 33	.6	1.1	2.3	3.0	.8												70	70	73	
2/ 31	.3	3.0	3.0	3.2	1.3												98	98	90	
7/ 29	.2	2.0	2.7	2.3													65	65	79	
22/ 27	.1	1.1	3.8	2.6													68	68	57	
26/ 25		2.1	3.5	1.7													65	65	62	
24/ 23		.1	1.9	.2													20	20	89	
22/ 21		.8	1.0	.8													23	23	52	
7/ 19		.7	1.7	.4													25	25	33	
13/ 17	.1	1.3	1.8	.1													30	30	20	
10/ 15	.1	.8	.4														12	12	37	
14/ 13		.3	.7														9	9	20	
11/ 11			.2														2	2	5	
7/ 9																		6	6	54
2/ 7		.1															1	1	2	
6/ 5																		1	1	17
4/ 3																				18
2/ 1																				15
7/ -1																				6
27/ -3																				7
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14/03 WESTOVER AFB MA STATION NAME

69-70,73-80 YEARS

DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
-4/-5																						3
-6/-7																						14
-8/-11																						1
-14/-15																						2
-16/-17																						4
-18/-19																						2
TOTAL	2.6	21.2	31.7	29.8	12.2	2.0	.4	.1										896	896	896	896	

Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>g</sub>	X	C <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	3430794	53282	59.5	17.119	896							93
Dry Bulb	1096442	30208	33.7	9.336	896		43.4					93
Wet Bulb	847052	26414	29.5	8.740	896		60.8					93
Dew Point	500138	18108	20.2	12.248	896	8.7	79.5					93

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



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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14793 WESTOVER AFB MA STATION STATION NAME

69-70, 73-80 YEARS

DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point																		
7/ 61		.3																															3	3				
7/ 59																																				3	3	
7/ 57		.1	.1	.2	.1																													5	5			
5/ 55		.2	.1			.2																												5	5	2		
4/ 53			.3			.1	.1																											6	6	2	2	
2/ 51		.5	.5	.2	.3																													13	13	5	2	
5/ 49			.1	.2	.2																													5	5	8	4	
4/ 47			.2	.3	.1																													6	6	5	5	
4/ 45		.3	.5	.5	.2						.1																							14	14	4	3	
4/ 43	.3	.7	.7	1.2	.2																													29	29	15	6	
42/ 41	.2	.9	1.9	.5					.2																									33	33	22	12	
40/ 39		.9	2.3	1.0	.3	.1																												41	41	21	12	
30/ 37	.5	2.1	1.7	.9																														46	46	44	18	
20/ 35	.5	2.0	4.0	2.7																														81	81	51	23	
34/ 33		2.7	3.4	2.4	.1																													76	76	51	40	
2/ 31	.1	4.5	4.4	2.0	.5																													102	102	69	42	
10/ 29	.2	2.1	3.6	1.6	.3																													70	70	97	43	
23/ 27		2.8	3.7	1.5																														71	71	76	59	
13/ 25	.1	2.4	2.9	.6																														53	53	91	52	
24/ 23	.2	1.4	2.7	.1																														39	39	67	41	
2/ 21		1.7	3.5	.5																														50	50	48	46	
2/ 19	.1	2.8	1.7	.1																														42	42	54	77	
16/ 17	.1	2.1	2.0																															38	38	45	51	
10/ 15		1.7	1.4																															27	27	34	47	
14/ 13	.1	.7	.7																															13	13	33	48	
17/ 11	.1	.3	.5																															8	8	16	63	
10/ 9		.2	.2																															4	4	7	53	
5/ 7		.1	.2																															3	3	6	32	
6/ 5																																					3	21
4/ 3																																						16
2/ 1		.2																																	2	2	1	15
1/ -1																																					1	11
-2/ -3																																						10
-4/ -5	.1																																				1	6
Element (X)	Σ X <sup>2</sup>		Σ X		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature										Total																			
Rel. Hum.									≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																								
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

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

2

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA 69-70, 73-80 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
- / -7																					10
- / -9																					5
- / -11																					4
- / -13																					3
- / -17																					2
- / -19																					1
TOTAL	2.7	34.0	43.2	16.5	2.8	.6	.2										886	886	886	886	

Element (X)	Z <sub>x</sub> <sup>2</sup>	Z <sub>x</sub>	X	σ <sub>x</sub>	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	4049868	58230	65.7	15.869	886							
Dry Bulb	908730	27094	30.6	9.519	886	.1	54.9					93
Wet Bulb	740381	24303	27.4	9.129	886	.2	68.5					93
Dew Point	480641	17585	19.8	12.195	886	5.5	79.6					93

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
SEE FIRST PAGE

14703 WESTOVER AFB MA STATION STATION NAME

69-70, 73-80 YEARS

DEC 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					
61		.4																3	3							
59																		1	1							
57				.1														4	4	1						
55		.3	.1		.1													6	6	2	3					
53		.1	.1	.4				.1										5	5	2						
51		.1	.3	.1		.1												10	10	4	1					
49		.1	.7	.4				.1										3	3	7	2					
47		.3	.1															8	8	7	3					
45		.1	.5	.3	.1													19	19	11	9					
43	.3	.4	.9	.8		.1												17	17	8	8					
41	.1	.8	.5	.7	.1													46	46	29	17					
39	.7	2.4	1.6	1.7	.4													24	24	30	24					
37	.1	1.7	.9	.1	.3													55	55	30	12					
35	.1	3.2	3.1	.8	.1													59	59	47	25					
33	.3	3.8	2.6	1.3														82	82	50	35					
31		5.0	4.6	1.5														53	53	73	42					
29	.5	2.6	3.0	1.1														56	56	65	45					
27		3.9	2.4	1.2														50	50	59	37					
25	.1	2.8	3.5	.3														43	43	58	23					
23	.3	2.2	3.4															43	43	51	56					
21	.1	3.8	1.6	.3														39	39	48	57					
19	.1	2.2	3.0															26	26	33	46					
17		2.0	1.5															31	31	35	34					
15	.1	2.4	1.6															19	19	28	35					
13	.3	1.2	1.1															12	12	18	42					
11	.4	.4	.8															18	18	26	52					
9	.9	1.5																5	5	10	36					
7	.3	.1	.3															2	2	2	23					
5	.3																	2	2	4	14					
3		.3																			14					
1																					13					
-1																					6					
-3																					1					
-5																					1					
Element (X)	$\Sigma X'$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.																Mean No. of Hours with Temperature					
Rel. Hum.																		$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total		
Dry Bulb																										
Wet Bulb																										
Dew Point																										

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

USE WITH CAUTION  
 SEE FIRST PAGE

1973 ESTOVER AFB MA STATION NAME

69-70,73-80 YEARS

DEC MONTH

PAGE 2 2100-231-0 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL																																																																	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	=31		Dry Bulb	Wet Bulb	Dew Point																																																															
7-7	.1																	1	1	1	7																																																															
7-9	.1																	1	1	1	5																																																															
7-11																																																																																				
7-13																																																																																				
7-15																																																																																				
7-19																																																																																				
TOTAL	5.5	4.1	3.2	10.5	1.3	.1	.3											744	744	744																																																																
<table border="1"> <thead> <tr> <th>Element (X)</th> <th>Z<sub>g</sub><sup>1</sup></th> <th>Z<sub>X</sub></th> <th>X</th> <th>σ<sub>g</sub></th> <th>No. Obs.</th> <th colspan="5">Mean No. of Hours with Temperature</th> <th>Total</th> </tr> <tr> <td>Rel. Hum.</td> <td>3753557</td> <td>51611</td> <td>69.4</td> <td>15.273</td> <td>744</td> <td>≤ 0 F</td> <td>≤ 32 F</td> <td>≥ 67 F</td> <td>≥ 73 F</td> <td>≥ 80 F</td> <td>≥ 93 F</td> <td></td> </tr> <tr> <td>Dry Bulb</td> <td>694839</td> <td>21421</td> <td>28.8</td> <td>10.252</td> <td>744</td> <td>.4</td> <td>60.5</td> <td></td> <td></td> <td></td> <td></td> <td>93</td> </tr> <tr> <td>Wet Bulb</td> <td>5811.4</td> <td>19470</td> <td>26.2</td> <td>9.816</td> <td>744</td> <td>.4</td> <td>70.4</td> <td></td> <td></td> <td></td> <td></td> <td>97</td> </tr> <tr> <td>Dew Point</td> <td>395929</td> <td>14519</td> <td>19.5</td> <td>12.319</td> <td>744</td> <td>5.6</td> <td>80.1</td> <td></td> <td></td> <td></td> <td></td> <td>93</td> </tr> </thead> </table>																					Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>X</sub>	X	σ <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature					Total	Rel. Hum.	3753557	51611	69.4	15.273	744	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		Dry Bulb	694839	21421	28.8	10.252	744	.4	60.5					93	Wet Bulb	5811.4	19470	26.2	9.816	744	.4	70.4					97	Dew Point	395929	14519	19.5	12.319	744	5.6	80.1					93
Element (X)	Z <sub>g</sub> <sup>1</sup>	Z <sub>X</sub>	X	σ <sub>g</sub>	No. Obs.	Mean No. of Hours with Temperature					Total																																																																									
Rel. Hum.	3753557	51611	69.4	15.273	744	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																																																																									
Dry Bulb	694839	21421	28.8	10.252	744	.4	60.5					93																																																																								
Wet Bulb	5811.4	19470	26.2	9.816	744	.4	70.4					97																																																																								
Dew Point	395929	14519	19.5	12.319	744	5.6	80.1					93																																																																								

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

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 WESTOVER AFB MA STATION NAME

69-70,73-80 YEARS

DEC MONTH

PAGE 1

ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	Dry Bulb	Wet Bulb	Dew Point															
6/ 65								.0	.0																						2	2			
4/ 63								.0	.0																						1	1			
7/ 61		.2	.0	.1	.0	.0	.0																								18	18			
7/ 59		.1	.1	.1	.1	.1	.1	.1																							28	28	11	7	
7/ 57		.1	.1	.1	.1	.1	.0				.0																				21	21	12	6	
5/ 55		.3	.2	.1	.2	.1	.0			.0																					39	39	20	14	
4/ 53		.1	.1	.1	.1	.1	.0	.0	.0																						29	29	20	20	
2/ 51	.0	.3	.2	.2	.3	.0																									59	59	27	17	
5/ 49	.1	.3	.3	.2	.2	.0	.1																								68	68	36	27	
7/ 47	.2	.4	.3	.2	.1	.1	.1	.0																							75	75	66	25	
4/ 45	.3	.7	.5	.6	.7	.1	.0																								158	158	61	29	
4/ 43	.2	1.0	.6	1.1	.4	.1	.0																								201	201	117	61	
2/ 41	.1	.9	1.2	1.2	.5	.1																									234	234	124	91	
4/ 39	.3	1.2	1.2	1.5	.8	.0																									302	302	183	98	
5/ 37	.2	1.8	1.5	1.4	.3	.0																									316	316	285	126	
7/ 35	.4	2.0	2.3	2.2	.5																										448	448	327	159	
3/ 33	.5	2.3	2.6	1.8	.3																										446	446	380	194	
2/ 31	.3	3.8	3.3	2.2	.5																										595	595	453	273	
7/ 29	.3	2.6	3.2	1.2	.1																										442	442	536	317	
2/ 27	.1	2.6	3.2	1.3	.0																										433	433	495	335	
7/ 25	.2	2.6	3.1	.7																											393	393	511	338	
2/ 23	.1	1.9	2.6	.3																											290	290	461	279	
2/ 21	.1	2.7	2.3	.4																											289	289	369	331	
7/ 19	.3	2.4	1.6	.2																											272	272	357	442	
10/ 17	.2	2.0	1.3	.0																											213	213	284	403	
10/ 15	.2	1.9	.8																												172	172	219	339	
4/ 13	.2	1.3	.6																												125	125	193	321	
11/ 11	.4	1.7	.4																												100	100	138	353	
9/ 9	.3	.6	.1																												56	56	101	332	
8/ 7	.1	.4	.1																												35	35	48	272	
6/ 5	.1	.3																													24	24	38	159	
4/ 3	.1	.2																													17	17	22	126	
7/ 1	.1	.2																													19	19	22	107	
7/ -1	.2																														12	12	16	67	
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma_x$	No. Obs.		Mean No. of Hours with Temperature						Total																						
Rel. Hum.							$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

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GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

14703 ESTOVER AFB MA 69-70, 73-80 DEC MONTH  
 STATION STATION NAME YEARS

PAGE 2 ALL HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		= 31	Dry Bulb	Wet Bulb	Dew Point
- / -3	.1	.0																8	8	7	7
- / -5	.1	.0																6	6	6	76
- / -7	.1																	4	4	5	63
- / -9	.1																	5	5	5	25
- / -11																					14
- / -13																					12
- / -15																					10
- / -17																					17
- / -19																					5
TOTAL	5.3	37.3	33.8	17.4	5.1	.8	.3	.1	.0	.0								5955	5955	5955	5955

Element (X)	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	$\Sigma x'$	$\Sigma x$	$\bar{x}$	$s^2$	No. Obs.	$\geq 0 F$	$\geq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Dry Bulb	6137746	180256	30.3	10.698	5955	4.4	438.5					744
Wet Bulb	4982733	161627	27.1	10.005	5955	4.9	535.5					744
Dew Point	3243848	117240	19.7	12.536	5955	4.4	635.7					744

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

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1973 WESTOVER AFB MA 69-70.73-81 ALL  
 STATION STATION NAME YEARS 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																				
2/ 21																																	2	2						
2/ 29																																		3	3					
3/ 97																																		23	23					
6/ 95																																		23	23					
4/ 93																																			83	83				
7/ 91																																			189	189				
7/ 89																																			292	292				
8/ 87																																			444	444				
6/ 85																																			706	706				
4/ 83																																			856	856				
7/ 81																																			1075	1075	7	1		
7/ 79																																			1389	1389	62			
7/ 77																																			1551	1551	213	11		
6/ 75																																			1841	1841	584	65		
4/ 73																																			2109	2109	1259	290		
7/ 71																																			2407	2407	1793	867		
7/ 69																																			2542	2542	2318	1569		
6/ 67																																			2462	2462	2599	1754		
6/ 65																																			2408	2408	2661	2742		
4/ 63																																			2539	2539	2917	2324		
2/ 61																																			2299	2300	2790	2509		
7/ 59																																			2563	2563	2738	2419		
7/ 57																																			2489	2489	2856	2447		
5/ 55																																			2249	2249	2674	2643		
4/ 53																																			2194	2194	2657	2510		
2/ 51																																			2263	2263	2421	2440		
5/ 49																																			2173	2173	2515	2338		
6/ 47																																			2123	2123	2417	2263		
4/ 45																																			2312	2312	2338	2351		
4/ 43																																			2402	2402	2236	2229		
2/ 41																																			2185	2185	2448	2183		
4/ 39																																			2374	2374	2440	1950		
3/ 37																																			2221	2221	2672	1896		
7/ 35																																			2564	2564	2637	1986		
Element (X)	Σ X'		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ			
Rel. Num.																																								
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

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

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SU

14703 STATION WESTOVER AFB MA STATION NAME 69-70,73-81 YEARS

PAGE 2

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TC								
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24		25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet	
33	.2	1.1	1.0	.9	.3	.0												2481	2481	2		
31	.1	1.1	1.1	.9	.2	.0												2457	2457	2		
29	.1	.9	1.0	.6	.1													1972	1972	2		
27	.1	.8	.9	.6														1797	1797	2		
25	.1	.7	.9	.4														1485	1485	2		
23	.1	.5	.7	.2														1088	1088	1		
21	.1	.5	.8	.2														1186	1187	1		
19	.1	.6	.8	.1														1155	1155	1		
17	.1	.5	.5	.0														816	816	1		
15	.0	.5	.4	.0														635	635			
13	.0	.4	.3															530	530			
11	.1	.3	.2															428	428			
9	.1	.3	.2															355	355			
7	.1	.2	.1															237	237			
5	.1	.1																141	141			
3	.1	.1																146	146			
1	.1	.0																121	121			
-1	.1	.0																90	90			
-3	.1	.0																64	64			
-5	.1	.0																48	48			
-7	.1	.0																27	27			
-9	.0	.0																32	32			
-11	.0	.0																9	9			
-13	.0	.0																9	9			
-15	.0	.0																6	6			
-17	.0	.0																3	3			
-19																						
-21																						
-23																						
-25																						
-27																						
-29																						
-31																						
Element (X)	Σ X <sup>2</sup>		Σ X		Σ	σ <sub>x</sub>	No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.								≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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



GLOBAL CLIMATOLOGY BRANCH  
 OPAFETAC  
 AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

1473 STATION WESTOVER AFB MA STATION NAME

69-70, 73-81 YEARS

ALL MONTH

PAGE 7

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
TOTAL	3.4	26.3	22.3	15.7	10.3	7.1	5.5	4.0	2.7	1.6	.7	.3	.0	.0	.0		72668	72670		72668
Element	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ
Wet Bulb	138-36559	4737279	65-219-633	72668	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
D. Bulb	21315279	3667279	50-519-659	72670	35.3	1817.9	2151.3	1266.2	530.9	16.0	8760									
W. Bulb	48926323	3269699	44-917-594	72668	42.6	2409.4	1056.6	254.3	3.1		8760									
D. Bulb	15011325	2763687	38-020-288	72668	317.5	3592.0	547.2	44.1	.1		8760									

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

GLOBAL CLIMATOLOGY BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

USE WITH CAUTION  
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# MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14703 WESTOVER AFB MA

69-70,73-81

STATION	STATION NAME	YEARS												ANNUAL
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
0-02	MEAN	22.7	24.2	31.9	41.9	51.0	59.8	64.4	63.5	56.4	44.9	40.0	27.8	44.6
	S.D.	13.403	10.914	7.630	9.668	8.237	7.203	6.813	6.829	9.701	10.274	10.174	11.407	17.245
	TOTAL OBS	466	356	465	450	467	451	466	468	507	465	450	441	5452
3-05	MEAN	21.3	22.2	30.3	39.4	48.6	57.7	62.4	61.2	54.3	43.0	38.7	26.8	42.7
	S.D.	14.247	11.751	8.012	9.892	8.624	7.951	7.405	7.505	10.326	10.913	10.557	11.927	17.375
	TOTAL OBS	465	357	465	450	466	450	465	467	508	465	450	441	5449
6-18	MEAN	19.9	21.7	32.0	43.5	54.2	62.8	67.2	65.5	56.0	44.9	37.9	26.1	45.8
	S.D.	13.661	12.469	8.839	8.961	7.586	6.851	6.192	7.185	9.848	10.391	10.102	11.569	18.757
	TOTAL OBS	763	681	774	767	926	899	930	928	900	915	751	747	9981
9-11	MEAN	24.4	27.8	38.1	51.1	62.3	70.8	75.6	74.4	64.9	53.4	43.7	30.2	51.6
	S.D.	11.400	11.209	9.016	9.985	8.596	7.406	6.058	6.699	8.182	8.574	9.353	10.105	19.829
	TOTAL OBS	912	843	930	900	930	900	930	930	900	930	900	900	10905
12-14	MEAN	28.7	32.8	42.7	56.0	67.4	75.5	80.3	79.3	70.3	58.9	48.2	34.2	56.4
	S.D.	10.007	10.725	9.827	11.372	9.917	8.150	6.860	7.272	8.441	9.018	9.398	9.814	20.152
	TOTAL OBS	912	843	930	900	930	900	930	930	900	930	900	900	10905
15-17	MEAN	29.4	33.8	43.4	56.5	68.0	75.7	80.3	79.2	70.3	58.3	47.4	33.7	56.6
	S.D.	9.853	10.511	9.835	11.433	9.992	8.047	6.701	7.144	8.350	9.126	9.561	9.336	20.022
	TOTAL OBS	911	843	930	900	930	900	930	930	900	930	900	896	10900
18-21	MEAN	26.2	30.2	39.1	51.6	63.1	70.4	74.8	73.0	63.4	51.6	42.9	30.6	51.7
	S.D.	10.291	10.353	8.914	10.145	8.927	7.572	6.249	6.741	8.556	9.283	9.334	9.519	18.997
	TOTAL OBS	911	841	930	900	930	900	930	930	900	930	900	886	10888
21-27	MEAN	24.0	27.3	35.6	46.5	56.5	64.2	68.4	67.3	59.0	47.6	40.9	28.8	46.0
	S.D.	11.392	10.720	8.300	9.245	8.084	6.920	6.269	6.472	8.815	9.851	9.546	10.252	17.743
	TOTAL OBS	766	676	775	731	623	603	622	628	636	636	750	744	8190
ALL HOURS	MEAN	25.1	28.4	37.6	49.6	60.4	68.5	73.1	71.8	62.8	51.4	43.1	30.3	50.5
	S.D.	11.976	11.784	10.048	11.686	10.968	9.727	9.002	9.389	10.700	11.131	10.264	10.698	19.659
	TOTAL OBS	6106	5440	6199	5998	6202	6003	6203	6211	6151	6201	6001	5955	72670

GLOBAL CLIMATOLOGY BRANCH  
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# MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

14703 WESTOVER AFB MA

69-70,73-81

STATION		STATION NAME												YEARS
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
0-02	MEAN	20.7	21.5	28.9	37.8	47.7	57.2	61.9	61.6	53.9	42.3	37.4	25.7	42.0
	S D	12.717	10.395	7.572	9.177	8.180	6.985	6.615	6.628	9.400	9.976	9.725	10.930	17.076
	TOTAL OBS	466	356	465	450	467	451	466	468	507	465	450	441	5452
3-05	MEAN	19.2	19.9	27.8	36.2	46.1	55.7	60.5	59.8	52.3	40.7	36.3	24.9	40.5
	S D	13.558	11.142	7.976	9.367	8.646	7.715	7.295	7.301	10.011	10.482	10.044	11.437	17.256
	TOTAL OBS	465	357	465	450	466	450	465	467	508	465	450	441	5449
6-08	MEAN	18.7	19.6	29.0	38.9	50.2	58.9	63.3	62.7	53.4	42.4	35.5	24.0	42.8
	S D	13.071	11.954	8.711	8.404	7.557	6.648	5.902	6.656	9.486	10.145	9.832	11.120	18.149
	TOTAL OBS	763	681	774	766	926	899	930	928	900	915	751	747	9980
9-11	MEAN	21.6	24.2	33.1	43.1	54.2	62.6	66.8	66.7	58.5	47.8	39.4	27.1	45.6
	S D	11.866	11.643	8.450	8.253	7.682	6.491	5.504	5.718	7.619	8.495	8.921	9.633	17.864
	TOTAL OBS	912	843	930	900	930	900	930	930	900	930	900	900	10905
12-14	MEAN	24.7	27.7	35.9	45.5	56.3	64.3	68.1	68.0	60.5	50.4	41.9	29.8	48.0
	S D	9.282	9.849	8.540	8.240	7.811	6.485	5.438	5.606	7.376	8.389	8.925	9.087	17.176
	TOTAL OBS	911	843	930	900	930	900	930	930	900	930	900	900	10904
15-17	MEAN	25.2	28.4	36.3	45.6	56.5	64.4	68.1	68.0	60.6	50.0	41.3	29.5	48.0
	S D	9.153	9.647	8.492	8.178	7.784	6.257	5.295	5.462	7.276	8.514	9.109	8.740	17.034
	TOTAL OBS	911	843	930	900	930	900	930	930	900	930	900	896	10900
18-20	MEAN	23.0	26.0	33.8	43.3	54.5	62.4	66.5	66.2	58.0	46.7	38.8	27.4	45.8
	S D	9.887	9.860	8.307	8.197	7.773	6.420	5.424	5.648	7.863	9.202	9.234	9.129	17.278
	TOTAL OBS	911	841	930	900	930	900	930	930	900	930	900	886	10888
21-23	MEAN	21.4	24.0	31.6	40.6	51.3	59.6	64.1	63.7	55.6	44.2	37.6	26.2	42.2
	S D	10.867	10.324	8.210	8.464	7.894	6.582	5.816	6.078	8.453	9.660	9.391	9.816	17.156
	TOTAL OBS	766	676	775	731	623	603	622	628	636	636	750	744	8190
ALL HOURS	MEAN	22.1	24.6	32.7	42.1	52.9	61.3	65.5	65.2	57.1	46.2	38.9	27.1	44.9
	S D	11.205	10.839	8.838	8.980	8.525	7.186	6.296	6.610	8.842	9.818	9.559	10.005	17.594
	TOTAL OBS	6105	5440	6199	5997	6202	6003	6203	6211	6151	6201	6001	5955	72668

USAF ETAC FORM 0-89-5 (OL A)  
 OCT 78

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

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# MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

147-3 WESTOVER AFB MA

69-70, 73-81

STATION	STATION NAME	YEARS												ANNUAL
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
0-02	MEAN	13.9	13.2	22.3	31.5	44.1	55.4	60.3	60.4	51.9	39.0	33.3	20.3	37.8
	S D	15.235	13.176	10.753	11.234	10.082	7.486	7.006	6.834	9.928	11.272	11.201	12.586	19.729
	TOTAL OBS	466	356	465	450	467	451	466	468	507	465	450	441	5452
3-05	MEAN	12.7	12.3	21.7	30.9	43.4	54.3	59.2	58.9	50.4	37.8	32.5	19.8	36.8
	S D	15.653	13.689	11.013	10.939	10.137	8.055	7.560	7.396	10.419	11.602	11.324	12.967	19.753
	TOTAL OBS	465	357	465	450	466	450	465	467	508	465	450	441	5449
6-08	MEAN	10.7	11.7	22.4	32.3	46.1	56.0	60.7	60.9	51.3	39.1	31.5	18.1	36.4
	S D	15.762	15.026	11.887	10.759	9.669	7.736	6.795	6.919	10.080	11.363	11.496	13.283	20.679
	TOTAL OBS	763	681	774	766	926	899	930	928	900	915	751	747	9980
9-11	MEAN	12.8	14.1	23.5	32.5	46.7	56.9	61.4	62.1	53.5	41.5	33.2	19.4	38.4
	S D	14.256	14.657	12.449	11.360	10.757	8.595	7.542	7.060	9.440	11.116	11.575	12.542	20.618
	TOTAL OBS	912	843	930	900	930	900	930	930	900	930	900	900	10905
12-14	MEAN	13.9	15.4	24.3	32.4	46.6	56.7	60.8	61.4	53.1	41.2	33.2	20.4	38.5
	S D	13.263	14.106	12.645	11.607	11.200	9.130	7.836	7.682	9.880	11.725	12.113	12.368	20.173
	TOTAL OBS	911	843	930	900	930	900	930	930	900	930	900	900	10904
15-17	MEAN	14.1	15.6	24.2	32.0	46.3	56.7	60.7	61.2	53.2	40.9	32.9	20.2	38.4
	S D	13.214	14.278	12.744	11.794	11.565	8.898	7.863	7.765	9.820	11.921	12.214	12.244	20.182
	TOTAL OBS	911	843	930	900	930	900	930	930	900	930	900	896	10900
18-20	MEAN	13.5	15.2	23.8	32.2	46.4	56.6	61.3	61.9	53.7	41.0	32.6	19.8	38.4
	S D	13.532	14.068	12.236	11.677	11.173	8.557	7.476	7.100	9.176	11.498	11.730	12.195	20.324
	TOTAL OBS	911	841	930	900	930	900	930	930	900	930	900	886	10888
21-23	MEAN	13.2	14.7	23.5	32.3	46.0	56.3	61.4	61.4	52.9	40.0	32.4	19.5	36.5
	S D	13.966	13.965	11.895	11.296	10.556	7.805	6.816	6.806	9.207	11.310	11.557	12.319	20.215
	TOTAL OBS	766	676	775	731	623	603	622	628	636	636	750	744	8190
ALL HOURS	MEAN	13.1	14.3	23.4	32.1	46.0	56.3	60.8	61.2	52.7	40.3	32.7	19.7	38.0
	S D	14.254	14.282	12.153	11.390	10.783	8.426	7.431	7.278	9.770	11.542	11.728	12.536	20.286
	TOTAL OBS	6105	5440	6199	5997	6202	6003	6203	6211	6151	6201	6001	5955	72668

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
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### RELATIVE HUMIDITY

14773  
STATION

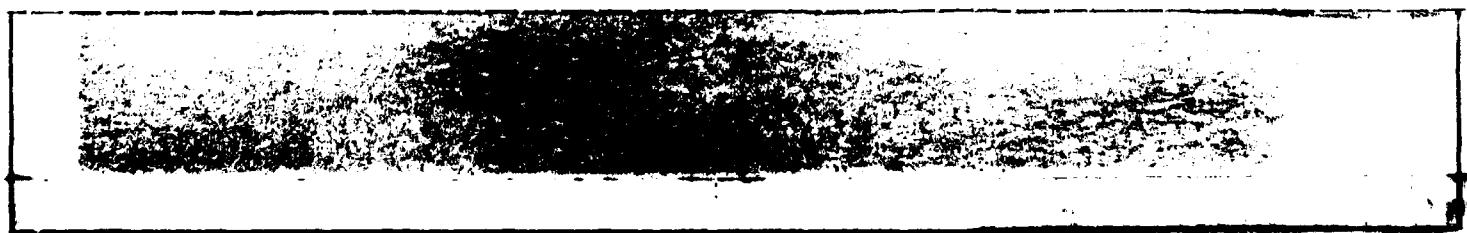
WESTOVER AFB MA  
STATION NAME

70,73-81  
PERIOD

JAN  
MONTH

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

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.8	96.4	89.5	71.9	52.1	29.6	6.7	70.0	466
	03-05	100.0	100.0	99.8	96.6	90.5	75.3	54.8	32.9	8.6	71.3	465
	06-08	100.0	100.0	99.9	96.3	84.5	66.1	45.1	26.9	7.1	68.4	763
	09-11	100.0	100.0	99.6	90.7	74.2	50.2	31.5	18.3	5.3	62.6	912
	12-14	100.0	100.0	95.7	81.0	56.4	32.2	18.8	11.5	4.6	55.5	911
	15-17	100.0	100.0	95.7	78.5	52.4	30.6	18.9	11.6	4.6	54.6	911
	18-20	100.0	100.0	98.7	89.2	67.6	43.6	25.4	14.2	4.5	59.9	911
	21-23	100.0	100.0	99.5	94.6	79.9	55.1	35.8	20.0	4.8	64.6	768
TOTALS		100.0	100.0	98.5	90.4	74.4	53.1	35.3	20.6	5.8	63.4	6109



GLOBAL CLIMATOLOGY BRANCH  
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**RELATIVE HUMIDITY**

45703  
 STATION

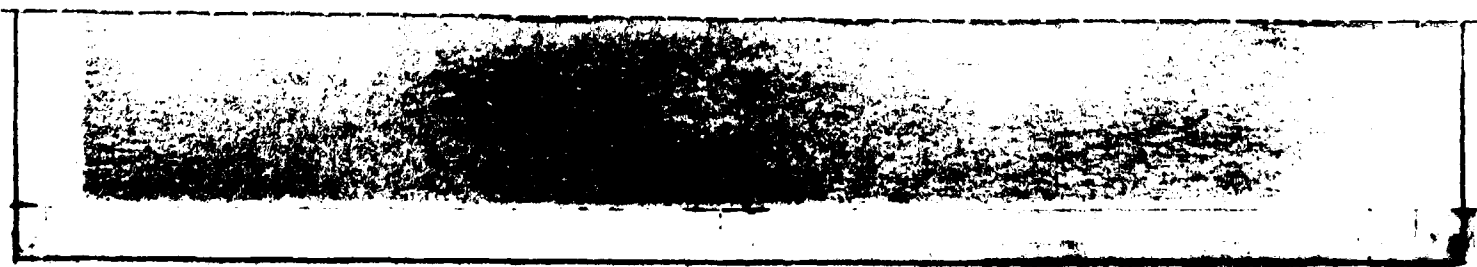
WESTOVER AFB MA  
 STATION NAME

70,73-81  
 PERIOD

FEB  
 MONTH

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

MONTH	HOURS (LST.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	0-02	100.0	100.0	98.9	93.0	78.1	54.8	35.1	19.7	5.1	64.1	356
	03-05	100.0	100.0	100.0	94.1	84.9	61.6	41.5	24.6	5.0	66.8	357
	06-08	100.0	100.0	99.9	93.8	83.1	61.2	39.9	23.1	6.5	66.3	681
	09-11	100.0	100.0	98.2	84.5	60.3	38.6	24.2	12.9	5.2	58.0	843
	12-14	100.0	99.6	92.4	68.4	40.0	22.9	16.4	9.0	3.0	50.7	843
	15-17	100.0	99.3	88.6	61.8	35.1	22.9	16.8	10.1	3.4	49.5	843
	18-20	100.0	100.0	96.0	80.5	52.3	32.9	19.4	11.7	3.4	55.3	843
	21-23	100.0	100.0	97.6	90.8	69.4	44.8	26.9	15.7	4.6	60.6	676
<b>TOTALS</b>		<b>100.0</b>	<b>99.9</b>	<b>96.5</b>	<b>83.4</b>	<b>62.9</b>	<b>42.5</b>	<b>27.5</b>	<b>15.9</b>	<b>4.5</b>	<b>58.9</b>	<b>5440</b>









GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
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USE WITH CAUTION  
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# RELATIVE HUMIDITY

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70, 73-80  
 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	0-02	100.0	100.0	99.8	97.9	95.3	89.1	72.6	47.1	24.2	78.4	467
	03-05	100.0	100.0	100.0	99.4	97.2	94.4	83.5	60.5	34.8	83.0	466
	06-08	100.0	100.0	99.5	98.2	91.1	80.0	64.1	41.0	21.2	75.4	926
	09-11	100.0	99.8	96.6	82.0	64.1	42.0	28.6	17.1	7.0	59.3	930
	12-14	100.0	98.5	85.8	63.3	41.3	28.8	18.0	11.9	3.3	50.7	930
	15-17	100.0	96.8	81.6	59.7	40.2	27.7	18.5	10.6	4.7	49.7	930
	18-20	100.0	99.4	92.3	76.7	58.5	40.8	27.6	16.9	7.4	57.9	930
	21-23	100.0	100.0	98.7	93.9	84.9	68.7	51.7	29.4	11.9	69.8	623
TOTALS		100.0	99.3	94.3	83.9	71.6	58.9	45.6	29.3	14.3	65.5	6202



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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
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RELATIVE HUMIDITY  
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STATION

WESTOVER AFB MA  
STATION NAME

69-70,73-80  
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	97.9	92.7	81.3	36.9	86.9	466
	03-05	100.0	100.0	100.0	100.0	100.0	99.8	95.9	88.0	44.1	89.2	465
	06-08	100.0	100.0	100.0	100.0	98.6	92.9	77.3	57.0	17.0	80.3	930
	09-11	100.0	100.0	99.9	94.3	78.9	52.7	29.8	14.9	3.4	62.9	930
	12-14	100.0	100.0	98.2	77.7	48.6	25.7	15.9	9.2	2.7	53.5	930
	15-17	100.0	100.0	97.2	77.3	48.3	25.7	16.0	9.1	2.2	53.2	930
	18-20	100.0	100.0	99.1	93.3	79.9	57.4	36.7	19.1	4.0	64.6	930
	21-23	100.0	100.0	100.0	99.7	97.3	89.5	75.2	52.3	18.0	79.0	622
TOTALS		100.0	100.0	99.3	92.8	81.5	67.7	54.9	41.4	16.0	71.2	6203





GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**RELATIVE HUMIDITY**  
 USE WITH CAUTION  
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14703 WESTOVER AFB MA  
STATION STATION NAME

69-70,73-80  
PERIOD

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

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY
		10%	20%	30%	40%	50%	60%	70%	80%	90%	
	00-02	100.0	100.0	100.0	100.0	98.3	89.7	79.6	63.7	18.5	81.8
	03-05	100.0	100.0	100.0	100.0	98.9	91.4	81.9	68.4	26.5	82.8
	06-08	100.0	100.0	100.0	100.0	97.7	90.1	78.3	61.1	26.0	81.8
	09-11	100.0	100.0	99.8	95.5	78.5	57.4	39.7	25.3	8.1	65.8
	12-14	100.0	100.0	96.7	74.9	49.6	31.1	18.7	12.3	3.4	54.8
	15-17	100.0	99.9	95.7	76.6	50.9	32.0	19.1	12.7	4.1	54.8
	18-20	100.0	100.0	99.8	97.4	85.5	66.0	44.7	24.5	6.8	68.8
	21-23	100.0	100.0	100.0	100.0	94.3	83.8	66.0	45.4	11.6	76.8
<b>TOTALS</b>		100.0	100.0	99.0	93.1	81.7	67.7	53.5	38.9	17.1	70.1

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AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/8 4/2  
WESTOVER AFB, CHICOPEE FALLS, MASSACHUSETTS REVISED UNIFORM SUM--ETC(U)  
OCT 81

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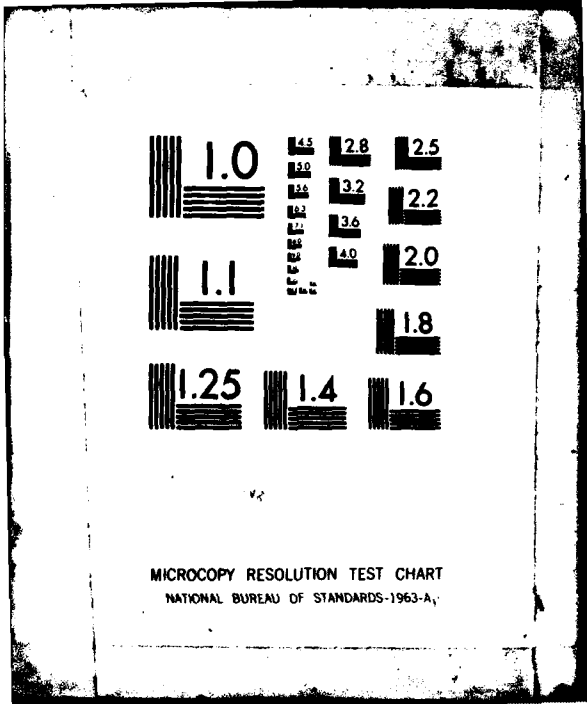
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A







GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

**RELATIVE HUMIDITY**

14703  
 STATION

WESTOVER AFB MA  
 STATION NAME

69-70,73-81  
 PERIOD

ALL  
 MONTH

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

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	98.5	90.4	74.4	53.1	35.3	20.6	5.8	63.4	6105
FEB		100.0	99.9	96.5	83.4	62.9	42.5	27.5	15.9	4.5	58.9	5440
MAR		100.0	99.6	94.4	83.0	65.8	49.0	34.4	21.8	7.8	61.2	6199
APR		100.0	98.4	87.7	73.8	59.3	44.0	30.1	16.9	6.8	57.5	5997
MAY		100.0	99.3	94.3	83.9	71.6	58.9	45.6	29.3	14.3	65.5	6202
JUN		100.0	100.0	98.9	91.4	80.6	68.2	55.2	39.7	14.3	70.7	6003
JUL		100.0	100.0	99.3	92.8	81.5	67.7	54.9	41.4	16.0	71.2	6203
AUG		100.0	100.0	99.7	95.3	85.3	74.3	63.2	50.0	22.4	74.8	6211
SEP		100.0	100.0	99.5	95.7	85.3	73.9	63.1	46.8	15.5	73.8	6151
OCT		100.0	100.0	99.0	93.1	81.7	67.7	53.5	38.9	13.1	70.4	6201
NOV		100.0	100.0	99.5	95.7	83.3	67.5	52.6	35.9	12.7	70.3	6001
DEC		100.0	100.0	98.9	95.2	83.6	64.6	44.0	26.8	7.9	67.7	5955
TOTALS		100.0	99.8	97.2	89.5	76.3	61.0	46.6	32.0	11.8	67.1	72668

USAFETAC

FORM  
 JUL 64

0-87-5 (OL A)

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

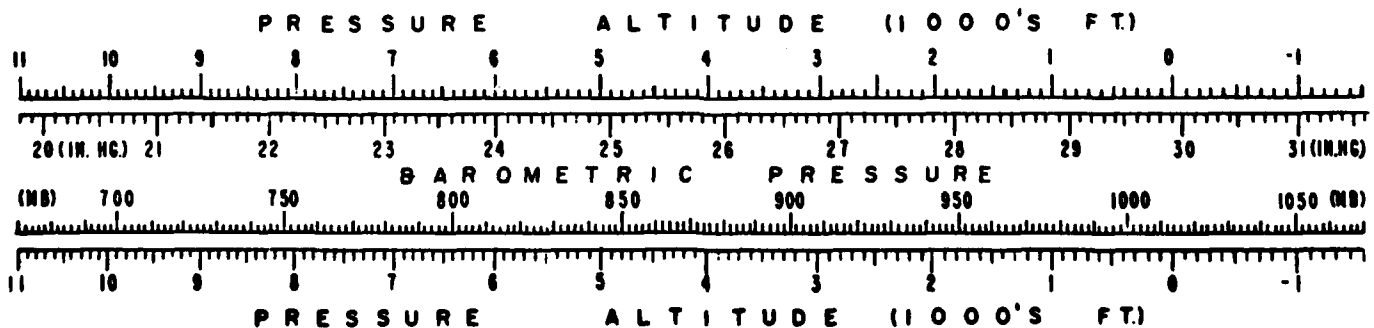
## PART F PRESSURE SUMMARY

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.





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# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HRS FROM HOURLY OBSERVATIONS

14703 WESTOVER AFB MA

69-70,73-81

STATION		STATION NAME												YEARS
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN S.D. TOTAL OBS	1016.7 8.795 155	1016.7 11.055 119	1014.3 10.792 155	1013.9 9.042 150	1015.3 6.568 156	1015.1 5.614 150	1015.1 4.905 155	1016.0 4.352 156	1018.0 5.925 169	1020.1 7.200 155	1015.9 9.876 150	1015.6 10.390 147	1016.1 8.249 1817
04	MEAN S.D. TOTAL OBS	1016.8 8.841 155	1016.3 11.541 119	1013.9 10.967 155	1013.7 9.014 150	1015.2 6.705 155	1015.0 5.845 150	1015.0 5.118 155	1015.9 4.542 155	1017.9 5.958 169	1020.1 7.473 155	1016.0 9.893 150	1015.6 10.618 147	1016.0 8.411 1815
07	MEAN S.D. TOTAL OBS	1015.7 10.500 304	1016.8 10.569 281	1015.7 10.119 309	1015.0 8.635 299	1015.5 7.004 309	1015.6 6.256 300	1015.5 5.214 310	1017.1 4.742 310	1018.5 6.390 300	1018.8 8.432 310	1017.9 9.571 300	1016.4 10.688 300	1016.9 8.483 3632
10	MEAN S.D. TOTAL OBS	1016.5 10.790 304	1017.1 10.510 281	1015.8 10.115 310	1014.7 8.635 300	1015.1 6.915 310	1015.3 6.205 300	1015.3 5.126 310	1017.0 4.739 310	1018.5 6.433 300	1018.8 8.504 310	1017.7 9.550 300	1017.2 10.771 300	1016.6 8.528 3639
13	MEAN S.D. TOTAL OBS	1014.5 10.640 304	1015.4 10.171 281	1014.4 9.872 310	1013.2 8.438 300	1013.9 6.629 310	1014.3 6.094 300	1014.4 5.040 310	1016.1 4.611 310	1017.1 6.342 300	1017.1 8.322 310	1016.0 9.330 300	1015.2 10.705 300	1015.1 8.338 3639
16	MEAN S.D. TOTAL OBS	1014.4 10.665 303	1014.9 9.909 281	1013.6 9.671 310	1012.3 8.228 300	1013.0 6.383 310	1013.8 5.899 300	1013.6 5.008 310	1015.2 4.451 310	1016.3 6.234 300	1016.7 8.182 310	1015.8 9.129 300	1015.3 10.460 300	1014.9 8.196 3634
19	MEAN S.D. TOTAL OBS	1015.2 10.604 303	1016.0 9.946 281	1014.6 9.585 310	1013.3 8.111 300	1013.6 6.223 310	1014.0 5.734 300	1013.9 4.836 310	1015.7 4.342 310	1017.0 6.066 300	1017.0 8.209 310	1016.6 9.100 300	1016.1 10.285 295	1015.3 8.117 3629
22	MEAN S.D. TOTAL OBS	1015.5 10.523 304	1016.5 10.069 279	1015.2 9.789 310	1014.9 8.377 281	1015.2 6.224 156	1015.3 5.467 152	1019.2 4.723 188	1016.1 4.279 160	1018.1 5.948 168	1020.4 7.596 171	1016.8 9.105 300	1016.2 10.238 295	1016.1 8.659 2731
ALL HOURS	MEAN S.D. TOTAL OBS	1015.5 10.396 2132	1016.2 10.348 1922	1014.8 10.027 2169	1013.8 8.531 2080	1014.4 6.660 2016	1014.7 5.987 1952	1014.7 5.057 2018	1016.2 4.878 2021	1017.6 6.247 2006	1018.4 8.214 2031	1016.4 9.394 2100	1016.0 10.527 2084	1015.7 8.400 24528

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