AD-A113 716   AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC   F/G 4/2
OTIS AFB, FALMOUTH, MASSACHUSETTS. REVISED UNIFORM SUMMARY OF S--ETC(U)
FEB 82
UNCLASSIFIED   USAFETAC/DS-82/010   SBI-AD-E850 155   NL

1 of 5
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A113716

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USAFETAC/DS-82/010

DATA PROCESSING DIVISION
USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

OTIS AFB MA MSC #725068
N 41 39 W 070 31 FLD ELEV 132 FT FMH

PARTS A-F
POR FROM HOURLY OBS: JAN 68 - DEC 70, JAN 73 - DEC 73,
JUN 75 - MAY 81

POR FROM DAILY OBS: JAN 49 - MAY 74

TIME CONVERSION GMT TO LST: -5

FEB 05 1982

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Wayne E. McCollom

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PHOTOGRAPH THIS SHEET

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Otis AFB, Falmouth, Massachusetts

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*RUSSWO
Snowfall
Climatology
Surface Winds
Relative Humidity
Daily temperatures
Extreme snow depth
Sea-level pressure
Extreme temperature
*Climatological data
Atmospheric pressure
Extreme surface winds
Psychrometric summary
Ceiling versus visibility
(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
Otis AFB, Falmouth, Massachusetts
It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)

DD FORM 1 JAN 73 1473

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

Massachusetts Otis AFB

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

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

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
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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. (Includes all record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the revised uniform summary of surface weather observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Armed Services and some foreign stations with similar reporting practices.

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

PART A WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

PART B PRECIPITATION
SNOWFALL
SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY
SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP
EXTREME MAX & MIN TEMP
PSYCHROMETRIC-DRY VS WET BULB
MEAN & STD DEV
(DRY BULB, WET BULB, & DEW POINT)
RELATIVE HUMIDITY

PART F STATION PRESSURE
SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

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

MISSING HOUR GROUPS

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

JANUARY ____________
FEBRUARY ____________
MARCH ____________
APRIL ____________
MAY ____________
JUNE ____________
JULY ____________
AUGUST ____________
SEPTEMBER ____________
OCTOBER ____________
NOVEMBER ____________
DECEMBER ____________

STATION NO ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT.)	CALL SIGN	WMO NUMBER
725066	OTIS AFB MA/FALMOUTH	N 41 39	W 070 31	132	FMH	

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	Otis Fld, Massachuaetts	AAF	Oct 42	Apr 44	N 41 39	W 070 32	125	117	24
2	Otis AFB, Massachusetts/Falmouth	AFB	Nov 48	May 53	Same	Same	Same	119	24
3	Same	Same	Jun 53	Feb 63	Same	Same	126	137	24
4	Same	Same	Mar 63	Feb 64	Same	Same	132	138	24
5	Same	Same	Mar 64	Dec 70	Same	W 070 31	Same	Same	24
6	Same	Same	Jan 71	May 74	Same	Same	Same	Same	24
	Deactivated 31 May 74								
	Otis Tower, MA/Falmouth	LAWRS	Jun 74	Dec 76	Same	Same	131	Same	24
	Same	LAWRS	Jan 77	Nov 81	Same	Same	132	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Oct 42	Located SW section of base operations bldg.	Anemometer	None	55 ft	
2	Jan 43	Located in N half of base operations bldg.	Same	None	Same	
3	Jul 43	Located in bldg T-3111.	Same	None	Same	
4	Nov 48	Located on top of radar storm detector.	Selsyn	ML204B	65 ft	
5	Mar 54	Same	AN/GMQ-1	Same	76 ft	
6	Mar 58	Same	Same	Same	85 ft	
7	25 May58	Located 1000 ft N of control tower in area of Tetrahedron.	AN/GMQ-11	RO-2	13 ft	
8	23 Mar59	Located ½ mile from intersection of rnwys 75 ft on S side.	Same	Same	Same	

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

CONTINUED ON REVERSE SIDE

BER TION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
	23 May60	Located 3/8 mile from base operations bldg.	Same	Same	Same	
	Mar 63	1. Rnwy 05-800 ft from the end, 500 ft from the centerline.	Same	Same	12 ft	
		2. Rnwy 14-400 ft from the end, 500 ft from the centerline.	Same		9 ft	
		3. Rnwy 23-1400 ft from the end, 500 ft from the centerline.	Same		10½ ft	
	Jun 66	1. Same	T755/GMQ-20	Same	Same	
		2. Same	Same		Same	
		3. Same	Same		Same	
	Mar 69	1. Same	Same	RO-362	Same	
		2. Same	Same		Same	
		3. Same	Same		Same	
	Jul 70	1. Rnwy 05-900 ft from the end, 500 ft from the centerline.	Same	Same	12 ft	
		2. Rnwy 14-1700 ft from the end, 500 ft from the centerline.	Same		9 ft	
		3. Rnwy 23-1500 ft from the end, 500 ft from centerline.	Same		10½ ft	
		4. Rnwy 32-850 ft from the end, 500 ft from centerline.	Same		13 ft	
	May 74	1. Same	Same	Same	Same	
		2. Same	Same		Same	
		3. Same	Same		Same	
		4. Same	Same		Same	
	Sep 79	Located/Field	AN/GMQ-11-2D		8 ft	

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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.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

[illegible]	OTIS AFB MA	63-70,73,76-81	JAN
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	00-02	.1	9.1	.3	7.2		16.5	14.8	1.6	.9		16.5	915
	03-05		9.2		9.1		18.1	15.5	1.0	.5		16.3	915
	06-08		7.8	.2	8.2		16.0	16.2	1.6	.8		17.0	926
	09-11		6.0	.2	10.1		16.2	14.4	3.9	1.3	.1	18.0	930
	12-14		6.7	.4	8.5		15.1	12.5	3.5	1.4		16.5	925
	15-17		6.8	.3	5.8		14.6	15.1	3.0	1.0		17.6	930
	18-20		7.3	.3	7.3		14.9	14.1	1.4	.3		15.6	929
	21-23		7.9	.3	8.0		15.7	13.8	1.6	1.1		16.1	926
TOTALS		.0	7.9	.3	8.0		15.9	14.6	2.2	1.0	.0	16.7	7396

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7[illegible]06[illegible]	OTIS AFB MA	68-70,73,76-81	FEB
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
FEB	00-02		9.9		5.4		14.4	16.3	1.8	1.5		19.4	849
	03-05	.1	7.9		8.5		15.9	17.6	1.4	1.5		19.5	348
	06-08		6.6	.2	10.2		16.6	20.3	4.1	2.2		23.7	849
	09-11		6.4	.2	10.2		15.5	15.4	4.9	2.6		21.6	849
	12-14		7.5		7.7		14.7	12.6	3.7	2.8		18.3	848
	15-17		10.1	.1	5.3		15.6	14.3	2.8	1.2		17.9	348
	18-20		10.4		6.5		16.4	15.9	3.1	1.4		19.2	848
	21-23	.2	10.2		5.3		15.0	14.6	2.9	1.4		17.9	849
TOTALS		.0	6.6	.1	7.5		15.5	15.9	3.1	1.8		19.6	6788

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

72[illegible]68 OTIS AFB MA 68-70,73,76-81 MAR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAR	00-02		12.4	.4	4.6		17.0	21.7	1.5	.6		23.1	929
	03-05	.2	11.0	.4	4.3		15.7	22.7	1.8	.2		24.0	930
	06-08		10.6	.3	4.9		15.2	23.5	4.2	.5		26.8	930
	09-11	.1	9.6		4.0		13.1	18.2	3.0	.4		20.8	930
	12-14	.2	7.2		4.7		11.7	15.7	4.6	.4		18.7	929
	15-17		9.1		4.6		13.4	16.0	4.7	.3		19.1	930
	18-20		9.9	.1	5.5		14.9	18.9	4.4	.5		21.6	929
	21-23		10.8	.3	4.8		15.6	17.9	3.0	.9		20.0	929
TOTALS		.1	10.1	.2	4.7		14.6	19.3	3.4	.5		21.8	7436

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION: [illegible] 63
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,76-81
MONTH: APR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-02	.1	12.8		.3		12.9	20.0	1.9			21.6	900
	03-05	.1	10.8		.6		11.0	21.3	3.0			23.9	900
	06-08		10.4		.2		10.6	20.4	4.6			23.2	900
	09-11		8.3		.3		8.7	13.2	2.7			15.2	900
	12-14		9.8		.1		9.9	11.1	2.4			12.7	900
	15-17		10.9		.1		11.0	12.8	3.8			15.6	899
	18-20	.1	12.5				12.5	16.0	3.4			18.0	899
	21-23	.4	13.5				13.5	18.0	2.6			19.5	899
TOTALS		.1	11.1		.2		11.3	16.6	3.1			18.7	7197

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

725068	OTIS AFB MA	68-70,73,76-81	MAY
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
MAY	00-02	.9	11.8				11.8	30.5	2.9			32.9	930
	03-05	.1	10.2				10.2	31.5	4.6			35.1	930
	06-08	.1	10.3				10.3	28.1	6.7			32.9	930
	09-11	.3	8.9				8.9	18.4	5.6			22.0	930
	12-14	.3	8.2				8.2	13.9	6.7			18.7	930
	15-17	.2	8.5				8.5	14.5	7.6			20.3	930
	18-20	.3	9.9				9.9	21.9	8.0			27.0	928
	21-23	.4	11.6				11.6	28.2	3.8			30.5	926
TOTALS		.3	9.9				9.9	23.4	5.7			27.4	7434

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
725068	OTIS AFB MA	68-70,73,75-80	JUN

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02	.8	11.0				11.0	39.7	10.2			45.0	894
	03-05	.3	10.0				10.0	46.9	9.7			50.0	896
	06-08	.3	9.2				9.2	37.7	13.4			44.3	900
	09-11		7.7				7.7	19.9	14.7		.1	30.0	900
	12-14	.1	7.3				7.3	14.9	14.2			26.5	899
	15-17	.6	7.4				7.4	14.4	17.7			28.7	900
	18-20	.7	9.2				9.2	24.2	17.2			37.4	899
	21-23	.3	11.0				11.0	33.5	12.0			40.6	898
TOTALS		.4	9.1				9.1	28.9	13.6		.0	37.8	7186

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

[illegible]6[illegible]	OTIS AFB MA	68-70,73,75-80	JUL
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	00-02	.8	5.1				5.1	42.8	14.8			48.2	930
	03-05	.6	6.4			.1	6.4	47.3	15.5			51.6	928
	06-08	.3	5.6				5.6	38.0	20.5			47.0	930
	09-11	.2	4.1				4.1	20.4	23.3			34.5	930
	12-14	.3	4.5				4.5	12.6	25.7			32.4	930
	15-17	.9	4.6				4.6	13.1	28.1			35.0	929
	18-20	.5	3.9				3.9	24.1	27.6			43.3	927
	21-23	.4	4.5				4.5	36.7	21.2			47.0	930
TOTALS		.5	4.8			.0	4.8	29.4	22.1			42.4	7434

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GLOBAL CLIMATOLOGY BRANCH
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WEATHER CONDITIONS

725068 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — 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	1.0	7.8				7.8	39.5	17.1			45.1	912
	03-05	1.4	8.5				8.5	44.7	15.4			47.8	918
	06-08	1.0	7.5				7.5	38.7	20.8			48.5	924
	09-11	.2	5.2				5.2	20.4	23.7			36.3	925
	12-14	.4	3.9				3.9	13.6	24.5			32.7	926
	15-17	1.0	5.7				5.7	17.5	29.3			38.5	928
	18-20	1.1	6.1				6.1	26.8	30.1			44.1	928
	21-23	1.0	6.9				6.9	35.2	22.4			44.5	926
TOTALS		.9	6.5				6.5	29.6	22.9			42.2	7387

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

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

[illegible]68	OTIS AFB MA	66-70,73,75-80	SEP
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.4	7.6				7.6	25.6	6.1			27.5	898
	03-05	.6	8.7				8.7	27.4	4.9			28.8	897
	06-08	.3	7.4				7.4	26.6	10.7			30.9	900
	09-11		6.9				6.9	16.8	12.2			25.1	900
	12-14	.6	6.7				6.7	11.2	13.0			21.3	900
	15-17	.6	6.3				6.3	13.1	14.4			25.0	900
	18-20		6.6				6.6	17.0	12.2			25.6	900
	21-23	.2	8.7				8.7	21.3	8.6			25.7	900
TOTALS		.3	7.4				7.4	19.9	10.3			26.2	7195

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

7[illegible] 68	OTIS AFB MA	68-70,73,75-80	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	.2	9.4				9.4	24.4	5.0			25.9	929
	03-05	.1	8.1				8.1	25.8	4.4			27.4	930
	06-08	.3	8.2				8.2	26.3	7.1			29.5	929
	09-11	.1	8.8				8.8	15.8	7.6			21.1	930
	12-14	.4	10.9		.1		11.0	12.3	8.5			19.5	930
	15-17	.3	10.8		.1		10.8	14.6	8.9			22.3	930
	18-20		12.0		.1		12.0	20.8	6.6			24.5	930
	21-23	.3	9.8		.1		9.9	22.3	6.5			25.3	930
TOTALS		.2	9.8		.1		9.8	20.3	6.8			24.4	7438

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

725 68 OTIS AFB MA 68-70,73,75-80 NOV
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	00-02		13.4		.4		13.4	20.6	1.1			21.1	816
	03-05	.4	13.8		.6		14.1	21.0	.7			21.3	816
	06-08		11.5		.4		11.7	20.7	2.2			21.9	898
	09-11		11.2		.7		11.9	17.1	2.3			18.2	900
	12-14		11.6		.6		12.1	13.8	2.6			15.8	900
	15-17		11.3		.6		11.9	13.1	2.8			15.6	900
	18-20	.1	12.1		.3		12.2	16.9	2.8			18.6	899
	21-23	.3	14.8		.4		15.1	19.7	1.2			20.4	900
TOTALS		.1	12.5		.5		12.8	17.9	2.0			19.1	7029

GLOBAL CLIMATOLOGY BRANCH
2 USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

[illegible] 68	OTIS AFB MA	68-70,73,75-80	DEC
STATION	STATION NAME	YEARS	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	00-02	.1	12.9	.1	7.5		18.9	17.0	.7	.2		17.[illegible]	829
	03-05	.1	13.6	.5	6.4		19.5	17.6	.7	.2		17.7	826
	06-08		12.6	.1	4.2		16.7	17.7	.9			18.3	924
	09-11		12.3		5.6		17.2	17.5	1.3	.1		18.6	930
	12-14		11.9	.1	4.3		15.8	16.3	1.3	.4		17.8	930
	15-17	.1	11.2		4.6		15.5	15.5	2.5	.3		17.5	929
	18-20		12.4	.3	4.3		16.8	14.5	1.4			15.3	924
	21-23		12.0	.2	5.2		16.6	15.4	.8			15.6	920
TOTALS		.0	12.4	.2	5.3		17.1	16.4	1.2	.2		17.3	7212

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

STATION	STATION NAME	YEARS	MONTH
725 60	OTIS AFB MA	68-70,73,75-81	ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	7.9	.3	8.0		15.9	14.6	2.2	1.0	.0	16.7	7396
FEB		.0	8.6	.1	7.5		15.5	15.9	3.1	1.8		19.6	6788
MAR		.1	10.1	.2	4.7		14.6	19.3	3.4	.5		21.8	7436
APR		.1	11.1		.2		11.3	16.6	3.1			18.7	7197
MAY		.3	9.9				9.9	23.4	5.7			27.4	7434
JUN		.4	9.1				9.1	28.9	13.6		.0	37.8	7186
JUL		.5	4.8			.0	4.8	29.4	22.1			42.4	7434
AUG		.9	6.5				6.5	29.6	22.9			42.2	7387
SEP		.3	7.4				7.4	19.9	10.3			26.2	7195
OCT		.2	9.8		.1		9.8	20.3	6.8			24.4	7438
NOV		.1	12.5		.5		12.8	17.9	2.0			19.1	7029
DEC		.0	12.4	.2	5.3		17.1	16.4	1.2	.2		17.3	7212
TOTALS		.2	9.2	.1	2.2	.0	11.2	21.0	8.0	.3	.0	26.1	87132

PART A ATMOSPHERIC PHENOMENA

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

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

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

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

NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.

(2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.

(3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

STATION	STATION NAME	YEARS	MONTH
[illegible]	OTIS AFB MA	49-74	ALL

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	.5	35.1	2.1	34.6	.1	55.1	46.0	25.4	5.1		55.0	806
FEB		.7	34.3	2.6	39.9		58.3	48.0	24.7	6.3		55.4	734
MAR		1.7	40.4	2.7	23.9	.4	54.5	48.1	21.0	3.3		54.0	806
APR		3.7	52.7	.1	8.9	.1	55.0	51.5	20.2			54.2	778
MAY		7.8	53.5				53.5	55.1	31.3			60.9	806
JUN		5.7	45.9			.1	45.9	66.8	48.1			72.4	750
JUL		10.1	46.3			.6	46.3	70.8	55.6		.1	76.0	775
AUG		10.7	44.1				44.1	67.2	55.7		.1	73.9	775
SEP		5.2	42.3				42.3	56.5	38.9			61.7	750
OCT		2.7	42.5	.1	1.2		42.7	49.7	32.5			56.1	775
NOV		2.0	50.3		7.5		53.5	50.3	22.3	.5		55.1	750
DEC		.8	41.9	2.6	27.9		54.5	46.7	23.2	3.2		54.5	775
TOTALS		4.5	44.1	.8	12.4	.1	50.5	54.7	33.3	1.6	.0	60.8	9280

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APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

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

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

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

Continued on Reverse Side

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION

(FROM DAILY OBSERVATIONS)

725068	OTIS AFB MA	49-74
STATION	STATION NAME	YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00					
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			MEAN	GREATEST	LEAST
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	43.2	18.6	2.5	5.7	4.7	8.9	7.1	7.1	2.1	.1				38.2	806	4.03	8.39	1.00
FEB	41.6	19.2	1.8	7.2	5.0	7.2	7.2	7.1	3.7					39.2	734	4.34	6.57	1.32
MAR	43.4	18.7	2.9	6.1	4.6	8.6	6.2	6.0	3.1	.5				37.8	806	4.58	11.56	1.86
APR	44.0	17.1	2.2	7.2	6.6	8.1	6.0	5.5	2.8	.5				38.9	778	4.53	9.31	1.38
MAY	46.1	18.7	2.6	7.4	4.5	6.3	7.2	4.1	2.6	.5				35.2	806	3.94	10.52	.88
JUN	53.3	19.2	2.0	5.7	4.1	6.4	3.5	2.9	2.7	.1				27.5	749	2.86	12.65	.02
JUL	53.7	20.0	3.1	5.5	3.5	5.0	3.9	2.6	2.6	.1				26.3	775	2.91	8.49	.03
AUG	56.1	14.1	2.6	6.5	3.5	5.3	4.1	3.9	3.6	.4				29.8	774	4.18	12.22	1.03
SEP	56.8	17.1	3.7	4.0	3.3	4.0	3.1	4.4	2.7	.8	.1			26.1	750	3.89	13.74	.16
OCT	57.7	14.8	3.0	5.7	2.8	4.3	4.6	3.7	3.0	.4				27.5	775	3.58	10.13	1.11
NOV	46.2	12.3	3.6	8.1	3.7	8.0	6.7	6.3	4.5	.5				41.5	749	5.05	8.61	1.49
DEC	44.8	13.8	2.5	6.6	4.6	9.4	7.1	7.0	4.0	.3				41.4	775	4.94	8.95	.99
ANNUAL	48.9	17.0	2.7	6.3	4.2	6.8	5.6	5.0	3.1	.3	.0			34.1	9277	48.83	☒	☒

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

725068 OTIS AFB MA 49-74
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH / YEAR	JAN	FEB.	MAR.	APR	MAY	JUN.	JUL.	AUG.	SEP	OCT	NOV.	DEC	ALL MONTHS
49	1.15	1.18	1.02*	.99	1.14	.02	.44	.47	.90	.68	1.17	.56	1.18
50	.53	1.48	1.70*	1.63	1.81	1.04	1.23	2.02	1.05	1.06	1.76	1.88	2.02
51	.73	.38	.74	1.15	1.38	.59	.61	2.02	.69	.70	1.37	1.72	2.02
52	.75	1.63	1.09	.91	1.13	.44	.02	4.00	2.90	.89	1.22	1.96	4.00
53	1.31	1.37	1.62	1.36	.98	.47	2.02	3.26	2.03	1.87	2.72	2.03	3.26
54	.81	1.20	1.09	1.57	2.50	1.35	.81	2.32	2.50	.67	1.16	1.58	2.50
55	.40	1.99	1.16	.97	.42	.51	1.81	3.28	1.12	1.31	1.41	.30	3.28
56	1.11	.94	2.11	.97	1.25	1.39	1.58	1.69	1.22	1.77	.99	1.24	2.11
57	.95	.45	1.55	.82	.42	.03	.40	1.61	1.20	.83	1.38	1.38	1.61
58	1.88	1.53	1.04	1.95	1.18	.61	.65	2.45	2.15	.82	1.25	.49	2.45
59	.95	1.56	1.28	.63	1.38	1.05	3.85	.72	.05	2.50	.86	.74	3.85
60	.94	2.14	2.13	2.15	.95	.63	1.30	.48	4.57	.96	1.01	2.85	4.57
61	1.31	1.27	1.12	1.55	2.46	.54	2.46	1.68	3.13	2.45	2.90	1.27	3.13
62	2.71	1.55	1.51	3.50	.76	2.19	1.27	2.16	3.11	2.67	1.47	.96	3.50
63	1.17	2.20	2.09	3.03	2.85	.30	1.89	1.19	1.74	1.45	1.12	.79	3.03
64	1.23	1.13	.82	2.24	.53	.22	2.24	.55	1.29	3.07	.47	1.17	3.07
65	.98	.89	.68	1.94	.42	1.15	.20	.95	1.31	.83	.63	1.13	1.94
66	.89	1.49	.64	.38	3.16	1.40	.30	.62	2.12	1.04	2.34	.62	3.16
67	.38	.87	3.00	2.09	3.37	2.39	.84	2.00	1.16	.51	1.49	1.50	3.37
68	.65	.85	4.65	.95	1.81	1.78	.35	1.40	.46	.69	1.64	1.21	4.65
69	.40	1.46	2.86	1.15	.29	.72	.53	.44	2.62	1.48	2.43	2.24	2.86
70	.41	2.16	1.83	2.62	.94	1.16	2.03	.94	.82	3.17	2.57	1.79	3.17
71	1.25	2.27	.83	.97	1.20*	.24	.63*	.95	.34	1.79*	1.75	.63	2.27
72	.89	1.77	1.67	2.24	1.63	4.85	.79	.80	8.63	.99	2.54	1.33	8.63
73	1.31	1.55	.85	2.83	2.15	1.36	2.34	2.17	1.19	2.14	.85	2.87	2.87
74	.80	.91	1.00	1.57	.85								
MEAN	1.053	1.412	1.542	1.648	1.422	1.091	1.224	1.634	1.932	1.454	1.531	1.378	3.320
S D	.525	.482	.893	.817	.867	1.017	.921	.981	1.744	.805	.692	.679	1.420
TOTAL OBS	806	734	806	778	806	749	775	774	750	775	749	775	9277

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES
MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

725 66 — OTIS AFB MA — 49-74
STATION — STATION NAME — YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	OCT	NOV	DEC	ALL MONTHS
49	3.96	4.85	4.33*	3.54	3.76	.02	1.07	1.22	2.63	1.58	3.46	2.60	*33.02
50	3.58	4.37	4.25*	3.85	3.60	1.93	2.49	5.67	3.05	1.63	7.34	4.40	*46.16
51	2.78	3.36	3.58	2.56	3.84	1.21	1.78	4.93	1.68	2.63	5.18	5.24	38.77
52	5.26	6.51	3.30	2.30	3.58	1.58	.03	8.55	3.86	1.11	2.06	3.99	42.13
53	7.77	4.60	7.45	5.86	2.58	.51	4.85	5.04	4.25	5.56	7.31	5.79	61.57
54	4.88	3.61	3.26	3.20	4.93	2.93	1.83	6.39	4.41	2.04	6.15	8.64	52.27
55	1.00	4.16	4.18	4.69	1.16	1.87	2.14	12.22	3.65	4.38	5.28	.99	45.72
56	4.51	4.37	7.80	2.82	3.42	2.29	5.11	2.78	2.70	3.47	3.15	6.56	48.98
57	3.48	1.48	4.64	3.97	1.21	.05	1.76	4.15	1.85	2.31	5.59	5.59	36.08
58	8.09	4.14	3.32	9.31	4.67	2.40	2.76	6.91	4.89	2.80	4.30	2.05	55.64
59	1.69	4.07	6.18	3.96	2.62	5.61	6.92	2.65	.16	6.11	4.30	4.31	48.58
60	3.76	6.57	4.10	4.08	3.39	1.64	4.08	1.03	7.46	2.01	3.35	7.85	49.32
61	4.77	3.30	3.85	6.90	6.21	1.56	5.68	3.84	5.55	9.32	5.26	4.06	60.30
62	5.44	6.44	1.86	6.38	1.42	7.18	1.95	4.88	5.99	10.13	6.12	4.31	62.10
63	5.30	5.07	5.91	4.44	7.53	1.10	3.50	3.19	5.10	2.04	5.52	3.58	52.28
64	5.41	4.98	2.29	6.62	.88	.84	5.43	1.49	4.80	6.24	1.49	6.15	46.62
65	4.83	2.33	2.00	3.62	1.64	2.15	.70	3.02	2.18	1.93	2.46	2.01	28.87
66	4.69	3.45	2.45	1.38	7.17	2.01	.99	2.15	6.38	3.45	5.36	2.85	42.33
67	3.00	2.97	5.57	5.93	10.52	3.17	3.17	5.82	2.40	1.75	5.52	6.15	55.97
68	2.66	1.32	11.56	1.62	3.89	7.72	.72	2.25	.77	1.68	5.95	5.10	45.24
69	1.19	4.78	4.90	4.33	1.33	1.38	1.93	1.31	4.17	2.15	8.81	7.98	44.26
70	1.24	5.27	5.27	3.47	1.94	3.66	2.24	5.56	2.17	4.08	5.89	4.60	45.59
71	4.40	6.26	2.82	3.08	4.95*	.55	1.34*	2.04	.52	2.16*	5.30	2.71	*36.13
72	2.89	5.30	7.81	6.01	5.87	12.65	1.91	1.96	13.74	3.94	8.42	6.89	77.39
73	2.58	5.75	3.00	8.38	5.20	3.13	8.49	3.31	2.90	4.96	2.89	8.95	59.54
74	5.53	3.64	3.33	3.70	5.02								
MEAN	4.027	4.344	4.577	4.525	3.936	2.858	2.915	4.180	3.890	3.578	5.048	4.942	49.980
S.D.	1.805	1.418	2.206	2.028	2.300	2.863	2.112	2.630	2.767	2.364	1.909	2.142	10.467
TOTAL OBS	806	734	806	778	806	749	775	774	750	775	749	775	9277

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
725 68	OTIS AFB MA	49-74

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00					
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			MEAN	GREATEST	LEAST
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	65.3	18.4	4.3	6.2	1.7	1.2	.9	.7	.9	.2	.1			16.4	806	9.9	34.8	TRACE
FEB	60.1	22.5	3.7	6.3	1.8	2.3	.4	1.8	1.0	.3				17.4	734	11.0	30.0	.4
MAR	70.5	18.4	2.9	3.6	1.6	.7	1.0	.7	.4		.2			11.2	806	7.7	38.1	TRACE
APR	91.3	6.5	.9	.3	.4	.4		.3						2.2	779	1.2	5.9	.0
MAY	100.0														806	.0	.0	.0
JUN	100.0														750	.0	.0	.0
JUL	100.0														775	.0	.0	.0
AUG	100.0														775	.0	.0	.0
SEP	100.0														750	.0	.0	.0
OCT	98.8	.9	.1		.1									.3	775	.1	2.0	.0
NOV	92.5	6.3	.4	.3	.5									1.2	749	.3	3.7	.0
DEC	72.9	14.2	4.1	3.6	2.6	.8	.6	.6	.1	.1	.3			12.9	775	7.6	29.2	TRACE
ANNUAL	87.6	7.3	1.4	1.7	.7	.4	.2	.3	.2	.0	.0			5.1	9280	37.8	☒	☒

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVIC /MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

[illegible] 64 OTIS AFB MA 49-74
STATION STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH / YEAR	JAN	FEB.	MAR.	APR	MAY	JUN	JUL	AUG.	SEP.	OCT	NOV.	DEC	ALL MONTHS
49	3.0	3.0	3.9	TRACE	.0	.0	.0	.0	.0	.0	1.0	1.2	3.9
50	3.0	4.4	.8*	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.0	4.4
51	.8	7.0	1.5	.0	.0	.0	.0	.0	.0	.0	TRACE	1.8	9.0
52	3.8	6.3	1.6	.0	.0	.0	.0	.0	.0	.0	TRACE	.1	6.3
53	2.5	3.2	.2	5.7	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.7
54	8.0	.4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	13.0	13.0
55	1.7	3.2	1.0	5.9	.0	.0	.0	.0	.0	.0	1.9	2.2	5.9
56	9.0	2.0	20.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.2	20.0
57	4.6	3.0	7.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	7.2
58	.6	4.5	3.4	3.2	.0	.0	.0	.0	.0	.0	TRACE	4.8	4.8
59	.6	1.1	5.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	4.4	5.0
60	3.7	2.8	21.3	TRACE	.0	.0	.0	.0	.0	TRACE	.0	17.6	21.3
61	16.7	12.7	5.4	.3	.0	.0	.0	.0	.0	TRACE	TRACE	2.6	16.7
62	.9	7.1	.1	.3	.0	.0	.0	.0	.0	.3	TRACE	4.0	7.1
63	1.2	1.2	3.6	TRACE	.0	.0	.0	.0	.0	2.0	.0	5.4	5.4
64	13.0	7.0	1.4	.0	.0	.0	.0	.0	.0	.0	TRACE	5.6	13.0
65	10.5	1.2	.9	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	10.5
66	4.6	5.6	4.4	TRACE	.0	.0	.0	.0	.0	.0	.0	2.4	5.6
67	TRACE	14.0	4.3	1.5	.0	.0	.0	.0	.0	.0	2.4	4.5	14.0
68	4.4	3.0	1.2	.0	.0	.0	.0	.0	.0	.0	TRACE	.3	4.4
69	.3	5.4	1.1	TRACE	.0	.0	.0	.0	.0	TRACE	.1	2.7	5.4
70	6.9	5.0	9.0	TRACE	.0	.0	.0	.0	.0	TRACE	.0	17.3	17.3
71	9.8	1.3	.1	3.0	.0	.0	.0	.0	.0	.0*	1.7	1.2	9.8
72	1.2	3.2	.5	2.5	.0	.0	.0	.0	.0	TRACE	.2	3.6	3.6
73	1.6	9.5	4.2	2.0	.0	.0	.0	.0	.0	.0	.0	TRACE	9.5
74	7.9	5.7	TRACE	TRACE	.0								
MEAN	4.63	4.80	3.93	.98	.00	.00	.00	.00	.00	.09	.23	4.04	9.33
S D	4.369	3.474	5.467	1.770	.000	.000	.000	.000	.000	.402	.629	4.886	5.392
TOTAL OBS	806	734	806	779	806	750	775	775	750	775	749	775	9280

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

~~EXTREME VALUES~~
MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

[illegible]268 OTIS AFB MA 49-74
STATION STATION NAME YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49	5.5	7.8	4.4	TRACE	.0	.0	.0	.0	.0	.0	1.0	1.2	19.9
50	5.1	9.0	1.4	*TRACE	.0	.0	.0	.0	.0	.0	TRACE	5.2	* 20.7
51	1.2	15.5	1.5	.0	.0	.0	.0	.0	.0	.0	TRACE	2.7	20.9
52	10.0	19.9	2.6	.0	.0	.0	.0	.0	.0	.0	TRACE	.1	32.6
53	3.7	5.4	.2	5.7	.0	.0	.0	.0	.0	.0	TRACE	TRACE	15.0
54	23.4	.4	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	25.9	49.7
55	2.7	5.2	3.5	5.9	.0	.0	.0	.0	.0	.0	3.7	4.8	25.8
56	11.8	2.1	38.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	5.8	57.8
57	13.6	4.2	18.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	36.4
58	1.0	8.5	5.7	5.7	.0	.0	.0	.0	.0	.0	TRACE	6.9	27.8
59	1.4	2.6	12.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	6.8	23.7
60	6.0	4.1	34.5	TRACE	.0	.0	.0	.0	.0	TRACE	.0	24.9	71.5
61	24.5	12.7	10.0	.3	.0	.0	.0	.0	.0	TRACE	TRACE	5.1	52.6
62	2.0	23.3	.1	.3	.0	.0	.0	.0	.0	.3	TRACE	7.1	33.1
63	2.5	1.9	8.2	TRACE	.0	.0	.0	.0	.0	2.0	.0	17.6	32.2
64	22.7	26.5	2.4	.0	.0	.0	.0	.0	.0	.0	TRACE	11.0	62.6
65	34.6	3.9	2.7	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	41.5
66	11.5	8.1	6.3	TRACE	.0	.0	.0	.0	.0	.0	.0	3.0	28.9
67	TRACE	30.0	15.2	1.7	.0	.0	.0	.0	.0	.0	2.4	6.3	55.6
68	10.0	7.2	1.3	.0	.0	.0	.0	.0	.0	.0	TRACE	.3	18.8
69	.9	16.5	2.8	TRACE	.0	.0	.0	.0	.0	TRACE	.1	14.4	34.7
70	15.3	9.5	19.2	TRACE	.0	.0	.0	.0	.0	TRACE	.0	29.2	73.2
71	17.8	2.2	.1	4.3	.0	.0	.0	.0	.0	.0*	2.2	2.8	* 29.4
72	2.9	14.8	2.5	3.2	.0	.0	.0	.0	.0	TRACE	.3	6.5	32.2
73	3.0	28.2	6.7	2.0	.0	.0	.0	.0	.0	.0	.0	TRACE	39.9
74	22.7	16.5	TRACE	TRACE	.0								
MEAN	9.93	11.00	7.72	1.17	.00	.00	.00	.00	.00	.09	.31	7.58	38.54
S.D	9.407	8.724	10.106	2.056	.000	.000	.000	.000	.000	.402	.890	8.503	16.813
TOTAL OBS	806	734	806	779	806	750	775	775	750	775	749	775	9280

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
725068	OTIS AFB MA	49-74

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00					
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			MEAN	GREATEST	LEAST
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	62.7	10.8	6.2	5.5	3.3	5.2	4.0	2.4						26.6	806			
FEB	56.9	11.9	9.0	5.3	5.4	4.9	4.0	2.7						31.3	734			
MAR	77.9	5.7	4.1	1.7	1.5	3.2	4.0	1.4	.9					16.7	806			
APR	97.6	1.4	.5	.4		.1								1.0	779			
MAY	100.0														806			
JUN	100.0														750			
JUL	100.0														775			
AUG	100.0														775			
SEP	100.0														750			
OCT	99.9		.1											.1	775			
NOV	98.5	.8	.5	.1										.7	749			
DEC	77.5	4.1	5.7	5.3	1.9	2.7	2.3	.4						18.3	774			
ANNUAL	89.2	2.9	2.2	1.5	1.0	1.3	1.2	.6	.1					7.9	9279			

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

7[illegible]68 OTIS AFB MA 49-74
STATION STATION NAME YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN.	JUL	AUG.	SEP.	OCT	NOV.	DEC.	ALL MONTHS
49	3	3	6	0	0	0	0	0	0	0	0	TRACE	6
50	2	2	1*	0	0	0	0	0	0	0	0	3	3
51	TRACE	14	TRACE	0	0	0	0	0	0	0	0	1	14
52	4	11	11	0	0	0	0	0	0	0	TRACE	TRACE	11
53	3	2	0	1	0	0	0	0	0	0	0	0	3
54	13	TRACE	0	0	0	0	0	0	0	0	0	13	13
55	0	4	1	2	0	0	0	0	0	0	1	2	4
56	9	1	33	1	0	0	0	0	0	0	0	4	33
57	4	4	7	TRACE	0	0	0	0	0	0	0	0	7
58	TRACE	9	TRACE	0	0	0	0	0	0	0	0	7	9
59	TRACE	1	4	TRACE	0	0	0	0	0	0	0	4	4
60	4	1	34	0	0	0	0	0	0	0	0	18	34
61	18	23	5	0	0	0	0	0	0	0	0	2	23
62	7	13	1	TRACE	0	0	0	0	0	0	0	4	13
63	1	2	4	0	0	0	0	0	0	1	0	12	12
64	20	14	11	0	0	0	0	0	0	0	0	3	20
65	14	3	1	0	0	0	0	0	0	0	0	0	14
66	5	5	4	0	0	0	0	0	0	0	0	3	5
67	0	14	12	2	0	0	0	0	0	0	2	3	14
68	4	1	3	0	0	0	0	0	0	0	0	2	4
69	TRACE	4	14	0	0	0	0	0	0	0	0	4	14
70	8	3	7	6	0	0	0	0	0	0	0	5	8
71	12	2	TRACE	0	0	0	0	0	0	0*	1*	1	12
72	1	5	TRACE	1	0	0	0	0	0	0	TRACE	1	5
73	2	14	3	0	0	0	0	0	0	0	0	TRACE	14
74	10	4	0	0	0								
MEAN	5.6	6.1	6.2	.5	.0	.0	.0	.0	.0	.0	.1	3.8	12.3
S.D	5.756	5.908	9.048	1.295	.000	.000	.000	.000	.000	.200	.448	4.568	8.494
TOTAL OBS	806	734	806	779	806	750	775	775	750	775	749	774	9279

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C SURFACE WINDS

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

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

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

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

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

725 68 OTIS AFB MA 51-52, 58-74
STATION STATION NAME YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH / YEAR	JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
51										NNE*43			
52	NNE *56	NNE *59	NNF *46	ESE *41	SSW 45	NNE 32	SW *38						
58						SW *38	W 31	S 38	SSW 33	SSW *32	SSE 44	WSW 37	
59	SW *43	WSW *38	SW 45	SE 36	WSW 30	ENE 28	SW 35	ENE 29	NNE 40	WSW 42	NNE 42	SW *51	SW *51
60	SW 60	ESE 45	NE 50	SW 41	W 29	ESE 30	SW 40	N 32	S 73	SSE 30	WSW 37	NNE 54	S 73
61	N 42	NNE 48	SE 44	SW 36	S 39	SSW 36	SW 24	SW 34	ENE 45	NNE 43	NNW 37	SSW 35	NNE 48
62	SSW 37	NNE 34	SE 54	SW 41	NNW 27	SW 33	S 33	N 40	NNE 35	W 29	N 40	NW 46	SE 54
63	WSW 37	E 40	W 44	WNW 48	SW 34	W 32	SW 33	S 40	NE 36	NE 51	SSW 53	WSW 36	SSW 53
64	ENE 50	N 58	SW 47	W 43	WSW *35	W 31	WSW *25	NE 41	SW 36	NW 37	SE 47	NNW 45	N 58
65	NE 44	SE 39	W 42	NNE *33	NNE 32	N 34	WSW 31	WSW *32	SW *34	WSW *38	W *40	NNE *46	NNE *46
66	W *51	W 35	WNW *42	WSW *28	NW *29	NE *24	WSW 39	WSW 32	SW 36	NW 34	SE 45	W 46	W *51
67	SW 39	NNW 55	NNE 39	NNE 58	NNE 54	ENE 41	S 25	NE 29	S 33	WSW 37	WNW *30	NNW 53	NNE 58
68	NW *43	SE 51	NW 42	SSE 45	NE 41	SW 35	27/ 31	32/ 34	24/ 34	23/ 36	34/ 55	26/ 43	34/ 55
69	29/ 45	36/ 49	6/ 45	24/ 51	22/ 50	19/ 30	23/ 32	23/ 37	35/ 36	29/ 37	27/ 37	16/ 40	24/ 51
70	29/ 38	18/ 57	3/ 51	27/ 53	21/ 31	23/ 31	19/ 30	36/ 43	22/ 34	20/ 35	1/ 50	1/ 45	18/ 57
71	24/ 46	22/ 42	24/ 63	6/ 44	21/ 41	1* 31	22/ 33	20/ 45	2/ 26	16/ 47	10/ 52	21/ 43	24/ 63
72	24/ 48	22/ 53	21/ 42	21/ 38	2/ 42	23/ 36	28/ 32	19/ 29	31/ 51	30/ 37	16/ 46	30/ 48	22/ 53
73	15/ 43	2/ 44	1/ 44	3/ 38	13/ 35	36/ 33	36/ 46	18/ 25	24/ 30	10/ 32	27/ 39	24/ 43	36/ 46
74	24/ 47	32/ 40	23/ 51	22/ 38	24/ 38								
MEAN	44.3	46.0	46.9	43.6	37.9	33.0	33.0	35.2	38.5	37.6	44.6	43.9	54.4
S.D.	6.356	7.746	6.093	6.768	7.836	3.282	5.516	5.918	11.205	6.222	6.223	5.682	8.280
TOTAL OBS	500	458	506	479	502	486	502	486	472	504	470	485	5850

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

[illegible] 5F	OTIS AFB MA	68-70,73,76-81	JAN
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.1	95.1	80.0	60.5	44.1	25.8	8.1	66.6	912
	03-05	100.0	100.0	99.5	96.2	83.0	64.5	46.1	25.9	7.6	67.9	911
	06-08	100.0	100.0	99.8	95.7	84.2	66.0	45.5	24.6	8.2	67.9	924
	09-11	100.0	100.0	98.2	89.4	72.0	50.4	34.7	21.0	5.9	62.6	930
	12-14	100.0	99.8	96.0	79.4	56.5	39.8	27.1	17.9	4.8	57.6	924
	15-17	100.0	99.7	95.7	82.2	63.1	45.0	30.5	16.6	5.5	59.4	928
	18-20	100.0	100.0	98.1	90.4	73.1	56.1	39.5	21.1	6.2	64.1	925
	21-23	100.0	100.0	98.9	91.8	76.1	58.7	44.2	24.7	6.8	65.7	924
TOTALS		100.0	99.9	98.2	90.0	73.5	55.1	39.0	22.5	6.6	64.0	7378

USAFETAC FORM JUL 64 0-87-5 (OL A)

RAL CLIMATOLOGY BRANCH
FETAC
A WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: [illegible]58
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: AUG
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	.6	1.9	1.9	.6	.0	.0						5.1	7.1
NNE	.3	1.6	1.9	.9	.1	.0						4.9	8.4
NE	.3	1.7	1.4	.9	.1	.0						4.5	8.1
ENE	.2	1.1	.8	.5	.2	.0						2.9	8.5
E	.4	.7	.4	.1	.0							1.6	5.6
ESE	.1	.4	.2									.7	5.3
SE	.2	.5	.3	.0								1.0	5.6
SSE	.4	.9	.5	.1	.1							2.0	6.5
S	.5	2.3	2.1	.7	.1	.0						5.7	7.3
SSW	.4	1.9	2.1	.9	.2	.0						5.5	8.0
SW	.8	3.0	4.3	2.9	.4	.0	.0					11.4	8.9
WSW	.6	3.8	5.9	4.9	1.0	.0						16.2	9.7
W	.7	3.0	3.5	1.5	.3							9.0	8.1
WNW	.3	1.1	.9	.5	.0							2.8	7.6
NW	.5	1.0	1.2	.3	.0							3.1	6.8
NNW	.5	1.6	.7	.4	.1	.0						3.2	6.7
VARBL													
CALM												20.3	
	6.8	26.7	28.0	15.2	2.7	.2	.0					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 7383

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

EAL CLIMATOLOGY BRANCH
FETAC
A WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 068
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: SEP
CLASS: ALL WEATHER
HOURS (L.S.T.): 0000-0200
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.1	2.7	2.4	.4								6.7	6.4
NNE	.7	1.4	.6	.4	.1							3.2	6.6
NE	.7	1.6	.9	.3								3.5	6.2
ENE	.2	1.0	.4	.2	.1							2.0	7.3
E	.2	.4	.9	.2								1.8	7.6
ESE		.5		.1								.7	6.2
SE		.3	.6	.1								1.0	7.3
SSE	.6	1.0	.8									2.3	5.3
S	.8	1.0	.3	.6	.1							2.8	6.7
SSW	.4	.3	2.2	.3								3.3	8.3
SW	1.0	1.8	2.4	1.3								6.6	7.7
WSW	.6	1.1	4.0	2.4	1.1							9.2	10.3
W	.7	1.9	2.1	1.1	.2							6.0	8.1
WNW	.1	1.7	.7	.1								2.6	5.8
NW	.9	2.9	.9									4.7	5.0
NNW	2.0	3.6	1.0	.1	.2							6.9	5.0
VARBL													
CALM												36.7	
	9.9	23.3	20.3	7.9	1.9							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 898

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

68 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | SEP MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	3.0	2.0	.6								7.2	6.1
NNE	.7	1.2	.6	.3								2.8	5.8
NE	.3	1.9	.6	1.1								3.9	7.5
ENE		.2	.9	.1								1.2	8.8
E	.1	1.1	1.4		.1							2.8	7.4
ESE		.2	.2	.2								.7	9.5
SE	.1	.7	.3	.1								1.2	6.0
SSE	.1	.6	.6									1.2	6.6
S	.6	1.3	1.4	.3								3.7	6.9
SSW	.3	.7	1.2	.2								2.5	7.5
SW	1.1	1.9	1.2	.6								4.8	6.4
WSW	.6	2.3	3.6	1.8	.4							8.7	8.7
W	.4	.9	2.5	.8	.2							4.8	8.5
WNW	.3	2.9	.8	.2								4.2	5.6
NW	1.7	2.2	1.2									5.1	4.7
NNW	1.4	4.0	.1									5.6	4.3
VARBL													
CALM												39.6	
	9.5	25.2	18.6	6.4	.8							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 897

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

2

L AL CLIMATOLOGY BRANCH
AFETAC
EATHER SERVICE/MAC

SURFACE WINDS

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

68 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — YEARS
SEP — MONTH
ALL WEATHER — CLASS
0600-0800 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	3.3	3.0	1.2								8.3	7.2
NNE	.6	2.3	2.1	.8								5.8	7.3
NE	.4	1.4	2.0	.9	.1							4.9	8.2
ENE	.3	1.2	2.2	.3								4.1	7.8
E	.3	1.4	1.1	.2								3.1	6.6
ESE	.1	.1	.7		.1							1.0	8.2
SE		.6	.8	.1	.1							1.6	8.1
SSE	.1	.2	.4	.1								.9	7.8
S	.4	1.4	.8	.6								3.2	6.7
SSW	.1	1.0	1.6	.8								3.4	8.4
SW	.8	3.0	2.7	.8	.1							7.3	7.0
WSW	.1	1.9	2.6	2.1	.7							7.3	10.0
W	.3	1.4	2.0	1.2	.1							5.1	8.6
WNW	.3	1.4	1.6	.7								4.0	7.4
NW	.6	3.4	2.2	.8								7.0	6.8
NNW	1.0	3.2	1.4	.4								6.1	5.9
VARBL													
CALM												26.8	
	6.3	27.6	27.1	11.0	1.2							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	725068
STATION NAME	OTIS AFB MA
YEARS	68-70,73,75-80
MONTH	SEP
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	1.3	3.2	1.2	.2							6.2	9.0
NNE	.3	3.3	3.8	2.7	.1							10.2	8.8
NE	.3	1.7	2.2	1.6	.1							5.9	8.7
ENE	.3	1.3	2.6	1.8	.3							6.3	9.5
E	.6	1.2	1.0	.6								3.3	7.1
ESE	.1	.4	.4									1.0	6.3
SE	.1	.2	2.1	.3								2.8	8.6
SSE		1.4	.8	.2								2.4	7.0
S	.2	2.3	1.7	1.0	.1							5.3	8.0
SSW	.1	1.7	2.1	1.8	.2							5.9	9.3
SW	.2	1.1	2.3	2.2	.7							6.6	11.0
WSW	.3	1.4	3.0	4.7	.9							10.3	10.8
W	.4	3.0	2.6	1.9	.2							8.1	8.6
WNW	.2	1.4	1.9	1.1								4.7	8.5
NW	.3	2.0	2.7	1.3	.1							6.4	8.5
NNW	.1	1.7	1.8	1.0	.1							4.7	8.4
VARBL													
CALM												9.8	
	4.0	25.7	34.1	23.3	3.1							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 900

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

AL CLIMATOLOGY BRANCH
FETAC
4 EATHER SERVICE/MAC

SURFACE WINDS

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

63 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — YEARS
SEP — MONTH
ALL WEATHER — CLASS
1200-1400 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.7	1.6	1.8	.3	.1						5.7	9.7
NNE	.2	2.2	2.1	3.1	.1							7.8	9.4
NE	.1	2.3	4.6	2.1	.1							9.2	9.1
ENE	.2	1.4	3.0	.8	.7							6.1	9.5
E	.2	1.7	1.6	.1								3.6	6.6
ESE		.3	.8	.2								1.3	8.8
SE		.4	.9	.2								1.6	8.4
SSE	.2	1.7	1.0	.8								3.7	7.5
S	.2	1.7	2.9	.6	.1	.1						5.6	8.5
SSW		1.7	3.6	2.6	.4	.2						8.5	10.8
SW	.2	1.0	3.3	3.8	1.3	.1						9.8	11.7
WSW	.2	2.3	4.4	4.1	.9							12.0	10.3
W	.1	2.3	3.1	2.1	.2							7.9	9.0
WNW	.4	.9	2.2	1.1	.2							4.9	8.9
NW		.9	1.6	.6	.2							3.2	9.3
NNW	.1	1.0	1.4	.3	.3							3.2	8.8
VARBL													
CALM												6.0	
	2.6	23.6	38.0	24.2	5.0	.6						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 899

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 5 68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: SEP
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	.4	1.2	2.0	.7	.3							4.7	8.6
NNE	.4	1.8	2.4	1.9	.1							6.7	8.9
NE	.9	3.1	3.6	1.2	.8							9.6	8.4
ENE	.2	2.6	2.9	.8								6.4	7.5
E	.4	1.7	1.4									3.6	6.2
ESE	.2	1.1	.8									2.1	5.9
SE	.3	2.0	.8	.2								3.3	5.9
SSE	.4	2.1	1.3	.1								4.0	6.6
S	.4	2.3	3.2	1.2	.1							7.3	8.0
SSW		1.2	2.2	1.0	.1							4.6	9.3
SW		1.6	5.0	5.3	1.7	.1						13.7	11.7
WSW	.1	4.2	4.8	4.7	.3	.1						14.2	9.5
W	.1	2.2	1.4	1.4	.2							5.4	8.9
WNW		.6	1.4	.9	.1							3.0	10.0
NW	.1	.4	2.0	.7								3.2	9.2
NNW	.4	.8	.8	.2	.1							2.3	6.7
VARBL													
CALM												5.9	
	4.7	28.9	36.1	20.3	3.9	.2						100.0	8.3

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)

[illegible] 68 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — YEARS
SEP — MONTH
ALL WEATHER — CLASS
1800-2000 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.6	.9	.3								3.7	5.7
NNE	.3	2.8	1.3	.8								5.2	7.3
NE	.9	2.6	.7	.6								4.7	6.1
ENE	.6	2.1	2.0	.3								5.0	6.8
E	.2	1.7	.4	.1								2.4	5.9
ESE	.8	1.0	.2									2.0	4.2
SE	.4	1.6	.3									2.3	4.7
SSE	1.1	1.2	.4	.1								2.9	5.0
S	.7	1.9	1.1	.7	.3							4.7	7.4
SSW	.4	4.0	1.9	1.1								7.4	6.9
SW	1.0	4.0	3.3	3.0								11.3	8.1
WSW	1.1	3.1	3.8	2.8	.6	.2	.1					11.7	9.2
W	.1	1.7	1.0	.7								3.4	7.5
WNW	.4	1.1	.9	.1								2.6	6.2
NW	.1	.8	.2	.1	.1							1.3	6.9
NNW	.8	.7										1.4	3.3
VARBL													
CALM												27.9	
	9.9	31.7	18.6	10.7	1.0	.2	.1					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 900

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

68 OTIS AFB MA 68-70,73,75-80 SEP
STATION STATION NAME YEARS 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	1.4	1.9	2.0	.6	.1							6.0	6.2
NNE	.1	1.7	.9	.4								3.1	7.1
NE	.3	2.6	.8	.2	.1							4.0	6.3
ENE	.4	1.6	.3	.2	.2							2.8	6.8
E	.1	1.7	.4									2.2	5.4
ESE	.6	.7	.3	.1								1.7	5.2
SE	.3	1.3	.2									1.9	4.7
SSE	.6	1.2	.4									2.2	5.3
S	.7	1.3	.7	.9	.1							3.7	7.2
SSW	.6	1.9	1.3	.8	.1							4.7	7.6
SW	.7	2.4	2.2	2.9	.1							8.3	8.9
WSW	.7	3.9	2.6	2.1	.6							9.8	8.3
W	.7	1.1	1.6	.8	.8							4.9	9.5
WNW		1.7	1.0	.1								2.8	6.4
NW	.7	2.0	.4	.2	.1							3.4	5.7
NNW	.6	1.6	.7	.1								2.9	5.8
VARBL													
CALM												35.7	
	8.3	28.4	15.9	9.4	2.2							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 900

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

AL CLIMATOLOGY BRANCH
FETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: SEP
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	.8	2.1	2.1	.8	.1	.0						6.1	7.4
NNE	.4	2.1	1.7	1.3	.1							5.6	8.1
NE	.5	2.1	1.9	1.0	.2							5.7	7.9
ENE	.3	1.4	1.8	.6	.2							4.3	8.1
E	.3	1.4	1.0	.2	.0							2.8	6.6
ESE	.2	.6	.4	.1	.0							1.3	6.3
SE	.2	.9	.8	.1	.0							2.0	6.6
SSE	.4	1.2	.7	.2								2.5	6.3
S	.5	1.7	1.5	.7	.1	.0						4.5	7.6
SSW	.3	1.6	2.0	1.1	.1	.0						5.0	8.7
SW	.6	2.1	2.8	2.5	.5	.0						8.5	9.4
WSW	.5	2.5	3.6	3.1	.7	.0	.0					10.4	9.6
W	.4	1.8	2.0	1.3	.3							5.7	8.6
WNW	.2	1.5	1.3	.5	.0							3.6	7.5
NW	.5	1.8	1.4	.5	.1							4.3	6.9
NNW	.8	2.1	.9	.3	.1							4.1	6.0
VARBL													
CALM												23.5	
	6.9	26.8	26.1	14.2	2.4	.1	.0					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 7194

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 068
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: OCT
CLASS: ALL WEATHER
HOURS (L.S.T.): 0000-0200
CONDITION:

SPEED (KNTS) DIR.	1 - 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	2.0	1.6	.6	.3							5.1	7.7
NNE	.1	1.0	1.3	.6								3.0	8.4
NE	.2	1.2	1.3	.8								3.4	7.9
ENE	.3	.8	.5	.4								2.0	7.5
E	.1	1.1	.5	.3								2.0	7.2
ESE	.3	.6	.3	.4								1.7	7.1
SE	.1	.5	.3									1.0	6.1
SSE	.3	.4	.5	.3								1.6	7.6
S	.6	.9	.6	.4								2.6	6.6
SSW	.6	.2	.8	.2								1.8	6.8
SW	.3	1.2	1.4	1.2	.4							4.5	9.5
WSW	.8	2.6	2.5	1.8	.3							8.0	8.5
W	.6	2.5	4.2	2.8	.8							10.9	9.5
WNW	.3	1.9	2.3	1.6	.4							6.6	9.1
NW	.8	3.7	3.6	1.1								9.0	7.3
NNW	.9	3.2	1.6	.2								5.9	5.9
VARBL													
CALM												30.8	
	6.9	23.8	23.4	12.9	2.3							100.0	5.6

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)

STATION: 068
STATION NAME: OTIS AF3 MA
YEARS: 68-70,73,75-80
MONTH: OCT
CLASS: ALL WEATHER
HOURS (L.S.T.): 0300-0500
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	3.0	1.3	.5	.3							5.5	7.2
NNE	.1	.3	.9	1.0								2.3	9.6
NE	.4	1.2	2.6	.9								5.1	8.1
ENE	.2	.8	1.1	.4								2.5	8.1
E	.1	1.0	.5	.1								1.7	7.0
ESE	.1	.5	.4	.5								1.6	8.8
SE		.6	.8	.2								1.6	7.5
SSE	.2	.3	.5									1.1	6.3
S	.1	1.5	.1	.1								1.8	5.5
SSW	.2	.4	1.0									1.6	7.1
SW	.2	.6	1.2	1.2	.2							3.4	10.0
WSW	.6	2.6	2.8	.9	.4							7.3	8.3
W	1.1	3.1	3.3	3.0	.6							11.2	9.0
WNW	.4	2.8	1.6	1.2	.3							6.3	8.0
NW	.2	4.0	3.0	1.0								8.2	7.2
NNW	.6	2.8	2.6	.2								6.2	6.7
VARBL													
CALM												32.6	
	5.1	25.6	23.7	11.2	1.9							100.0	5.4

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: [illegible] 68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: OCT
CLASS: ALL WEATHER
HOURS (L.S.T.): 0600-0800
CONDITION:

SPEED (KNTS) DIR.	1 - 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	2.5	2.6		.3							5.8	7.2
NNE	.1	1.1	1.2	1.2	.1							3.7	9.4
NE	.3	.8	2.5	1.1								4.7	8.8
ENE	.4	1.0	1.8	.6								3.9	7.9
E	.1	1.1	.5	.2								1.9	6.7
ESE	.3	.8	.5	.5								2.2	7.6
SE	.1	1.3	.8	.2								2.4	6.5
SSE	.1	.3	.9	.1								1.4	8.0
S	.4	1.7	1.1	.5								3.8	7.0
SSW	.1	.9	1.6	.5								3.1	8.4
SW	.3	.9	.5	1.2	.1							3.0	9.0
WSW	.6	2.0	2.2	.4	.3	.1						5.7	7.7
W	.5	4.3	4.1	2.7	1.1							12.7	9.1
WNW	.4	2.3	2.6	1.3	.4	.1						7.1	8.9
NW	.4	3.4	3.7	1.3	.2							9.0	8.0
NNW	.1	2.7	3.4	1.1								7.3	8.0
VARBL													
CALM												22.3	
	5.0	27.0	29.9	13.0	2.6	.2						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 929

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

AL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: OCT
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	.4	1.9	3.7	2.7	.6							9.3	9.9
NNE		.8	3.6	1.7	.3							6.4	10.2
NE	.2	1.4	2.8	1.6	.2							6.2	9.2
ENE	.3	1.3	1.7	1.3	.1							4.7	8.8
E	.2	1.3	1.0	.1								2.6	6.3
ESE	.1	.5	.9	1.1	.1							2.7	10.1
SE		.3	2.4	.3								3.0	8.9
SSE	.1	1.1	1.5	.2								2.9	8.0
S	.2	1.3	1.3	.5	.1							3.4	8.0
SSW	.2	.4	1.7	1.9	.3							4.6	10.5
SW		1.5	1.8	1.2	.8	.3						5.6	11.3
WSW		1.0	3.7	2.8	.5							8.0	10.6
W	.2	2.3	3.9	3.6	.6	.1						10.7	10.3
WNW	.1	1.4	3.6	3.0	.6	.2						8.9	11.1
NW	.2	1.4	2.4	2.2	.5	.2						6.9	10.6
NNW		1.5	3.0	1.5	.2							6.2	9.4
VARBL													
CALM												7.9	
	2.4	19.3	38.8	25.7	5.2	.9						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 929

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 268
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: OCT
CLASS: ALL WEATHER
HOURS (L.S.T.): 1200-1400
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	2.0	3.2	2.2	.9							8.4	9.9
NNE	.2	.5	4.1	2.8	.5	.1						8.3	10.7
NE	.3	1.7	2.7	1.7	.3							6.8	8.8
ENE	.1	1.8	1.6	1.3	.1							4.9	8.7
E	.1	1.3	.4	.3								2.2	6.6
ESE	.1	1.6	.2	1.0	.1	.1						3.1	9.3
SE	.1	.9	1.7	.5								3.2	8.5
SSE	.2	.8	1.6	.5								3.1	8.4
S	.4	1.9	1.3	.8	.4							4.8	8.3
SSW		.6	1.9	1.7	.5							4.8	10.9
SW		.8	2.9	1.9	1.0	.5						7.1	12.5
WSW		1.4	3.3	5.9	1.5	.3						12.5	12.3
W	.2	3.5	3.5	5.1	1.4	.1						13.9	10.7
WNW		1.0	1.9	1.8	.4							5.2	10.9
NW	.1	.9	2.7	1.6	.4							5.7	10.6
NNW		.6	.9	.5	.2							2.3	10.1
VARBL													
CALM												3.8	
	2.0	21.4	34.1	29.7	7.8	1.2						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 69
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: OCT
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	.4	1.1	2.7	1.7	.3							6.2	9.5
NNE	.9	2.4	2.9	1.7	.1	.1						8.1	8.3
NE	.3	2.4	2.6	1.0	.2							6.5	8.2
ENE	.2	2.7	1.4	.6	.2							5.2	7.5
E	.3	1.0	.3		.1							1.7	6.1
ESE	.2	.9	.9	.8	.1							2.7	9.0
SE	.4	2.0	1.3	.2	.2	.1						4.3	7.3
SSE	.1	1.7	1.4	.2	.1							3.5	7.2
S	.6	2.0	2.4	.3	.3							5.7	7.7
SSW	.4	1.2	1.9	1.2	.2	.1						5.1	9.2
SW	.3	1.2	2.3	1.8	.4	.1						6.1	10.7
WSW	.1	1.8	4.2	6.3	1.7	.1						14.3	11.5
W	.6	1.9	4.5	2.5	.6	.1						10.3	9.7
WNW	.1	1.2	2.8	1.8	.2							6.1	9.8
NW	.5	1.3	2.2	1.4	.3							5.7	9.0
NNW	.3	.5	.5	.6	.1	.1						2.3	10.0
VARBL													
CALM												6.2	
	6.0	25.2	34.2	22.3	5.4	.8						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 930

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

L BAL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: [illegible]69
STATION NAME: CTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: OCT
CLASS: ALL WEATHER
HOURS (L.S.T.): 1800-2000
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.5	.9	1.2								4.7	7.0
NNE	.2	1.3	1.0	.3	.6							3.4	9.3
NE	.6	1.9	.9	.5	.1							4.1	7.0
ENE	.4	1.2	1.6	.6								3.9	7.9
E	.4	.8	.3	.3								1.8	6.2
ESE	.5	1.2	.4	.1								2.3	5.3
SE	.2	.6	.8	.1								1.7	7.0
SSE		.9	.2	.2		.1						1.4	8.2
S	1.4	2.3	1.6	.8	.4							6.5	7.2
SSW	.9	1.5	1.0	.6	.4							4.4	8.0
SW	.2	1.9	.8	.8	.4							4.1	8.8
WSW	.3	3.7	3.3	2.4	.5							10.2	8.8
W	.3	3.9	2.9	2.3	.5							9.9	8.5
WNW	.1	1.8	2.0	.9	.3	.1						5.3	9.0
NW	.3	2.5	1.9	1.5	.2							6.5	8.3
NNW	.1	1.9	.5	.4	.2							3.1	7.5
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	26.8	
	7.3	28.7	20.1	13.0	3.9	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 930

AL CLIMATOLOGY BRANCH
FETAC
EATHER SERVICE/MAC

SURFACE WINDS

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

66 STATION
OTIS AFB MA STATION NAME
68-70,73,75-80 YEARS
OCT MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.8	1.4	.8	.2							4.4	8.0
NNE	.3	1.2	.9	.5	.3							3.2	8.7
NE	.2	1.8	1.0	.3	.2							3.5	7.7
ENE	.5	.8	1.0	.3	.1							2.7	7.4
E	.2	1.0	1.2	.4								2.8	7.3
ESE	.2	.4	.5									1.2	6.4
SE	.5	.8	.1									1.4	4.1
SSE		.5	.5									1.1	7.2
S	.8	1.1	1.2	.4	.3							3.8	7.8
SSW	.4	1.0	.8	.2	.3							2.7	7.8
SW	.5	2.2	1.0	.9	.4		.1					5.1	8.6
WSW	.5	2.6	2.7	1.8	.4							8.1	8.9
W	.6	3.1	4.2	2.0	.2							10.2	8.5
WNW	.4	1.9	3.2	1.9	.3							7.8	9.0
NW	.5	1.9	2.6	1.2	.2							6.5	8.2
NNW	.4	1.9	1.5	.9								4.7	7.4
VARBL													
CALM												30.9	
	6.6	24.0	23.7	11.7	3.1		.1					100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

68 STATION

OTIS AFB MA STATION NAME

68-70,73,75-80 YEARS

OCT MONTH

ALL WEATHER CLASS

ALL HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.0	2.2	1.2	.4							6.2	8.5
NNE	.2	1.1	2.0	1.2	.3	.0						4.8	9.4
NE	.3	1.6	2.0	1.0	.1							5.0	8.3
ENE	.3	1.3	1.3	.7	.1							3.7	8.0
E	.2	1.0	.6	.2	.0							2.1	6.7
ESE	.2	.8	.5	.6	.0	.0						2.2	8.2
SE	.2	.9	1.0	.2	.0	.0						2.3	7.3
SSE	.1	.8	.9	.2	.0	.0						2.0	7.7
S	.6	1.6	1.2	.5	.2							4.0	7.4
SSW	.4	.8	1.3	.8	.2	.0						3.5	9.0
SW	.2	1.3	1.5	1.3	.5	.1	.0					4.9	10.3
WSW	.4	2.2	3.1	2.8	.7	.1						9.3	9.9
W	.5	3.1	3.8	3.0	.7	.0						11.2	9.5
WNW	.2	1.9	2.5	1.7	.4	.1						6.7	9.5
NW	.4	2.4	2.7	1.4	.2	.0						7.2	8.5
NNW	.3	1.9	1.8	.7	.1	.0						4.8	7.8
VARBL													
CALM												20.1	
	5.1	24.4	28.5	17.4	4.0	.4	.0					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 7437

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: [illegible]6P
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: NOV
CLASS: ALL WEATHER
HOURS (L.S.T.): 0000-0200
CONDITION:

SPEED (KNTS) DIR.	1 - 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	1.1	.7	.4	.2	.1					3.8	11.5
NNE	.2	.5	1.2	1.0	.4							3.3	10.5
NE	.1	1.3	1.2	.4								3.1	7.6
ENE	.6	1.8	1.0	.2								3.7	6.1
E	.4	1.5	1.2	.4								3.4	7.0
ESE		.2	.6	.1								1.0	8.5
SE	.6	.7	1.5	.1								2.9	7.2
SSE		.4	.1	.5	.2							1.2	11.7
S	.5	1.7	.9	.7	.5							4.3	8.3
SSW	.1	.9	.6	1.0		.2						2.8	10.8
SW	.5	1.1	1.1	.7	.1							3.6	8.2
WSW		1.2	2.2	2.0	.6							6.0	10.9
W		1.3	4.9	3.8	.5							10.5	10.5
WNW		2.7	2.6	1.6	.4							7.2	9.0
NW	.4	3.4	3.6	2.5	.1							9.9	8.5
NNW	.2	2.6	2.9	1.5								7.2	8.1
VARBL													
CALM												26.0	
	3.7	22.7	26.7	17.2	3.2	.5	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 816

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

506A OTIS AFB MA — 68-70,73,75-80 — NOV
STATION — STATION NAME — YEARS — MONTH

ALL WEATHER — 0300-0500
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	1.0	1.1	.9	.4	.2						3.7	10.7
NNE	.2	1.2	1.6	.4	.4							3.8	8.7
NE	.1	.5	1.3	.6								2.6	8.9
ENE	.1	2.2	1.7	.4								4.4	7.0
E	.4	2.1	1.5	1.0								4.9	7.3
ESE	.2	.2	.5	.1								1.1	6.7
SE	.1	.2	.9	.2								1.5	8.9
SSE	.4	.1	.5									1.0	6.3
S	.4	1.5	.6	.9	.2							3.6	8.5
SSW	.2	.9	.9	.4		.1						2.5	8.6
SW	.1	.6	1.5	.6	.5		.2					3.6	11.4
WSW	.4	1.0	2.9	1.3	.6							6.2	10.2
W	.1	2.2	4.2	2.7	.9							10.0	9.9
WNW	.1	3.4	2.8	.9	.1							7.4	7.9
NW	.1	3.8	4.4	1.7	.6							10.7	8.6
NNW		1.6	2.1	1.0	.1							4.8	8.8
VARBL													
CALM												28.4	
	3.2	22.5	28.4	13.0	3.8	.4	.2					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible]363 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — YEARS
NOV — MONTH
ALL WEATHER — CLASS
0600-0800 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	1.9	1.0	.6	.6	.1						5.0	8.2
NNE	.4	.7	1.2	.6		.2						3.1	8.9
NE	.3	.8	1.7	.6	.1							3.5	8.6
ENE	.2	1.1	1.8	1.0	.1							4.2	8.9
E	.1	1.4	2.4	.1	.1							4.2	7.4
ESE	.2	.3	1.1									1.7	7.6
SE	.2	.3	.6	.2	.1							1.4	8.2
SSE	.4	.8	.4	.2								1.9	5.8
S	.8	1.4	1.8	.3								4.3	6.6
SSW	.1	.7	.3	.6	.1							1.8	8.8
SW	.4	.8	1.6	.9	.6	.1						4.3	10.1
WSW		1.0	1.7	2.0	.4	.1						5.2	11.1
W	.2	1.9	3.6	3.7	.9							10.2	10.2
WNW	.2	3.0	4.7	2.0	.2							10.1	8.6
NW	.3	3.5	4.7	1.1	.3							9.9	8.3
NNW	.7	2.0	3.6	1.3								7.6	8.0
VARBL													
CALM												21.4	
	5.7	21.6	32.1	15.1	3.6	.6						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 898

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 725 68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: NOV
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	.8	1.8	2.0	1.6	.9	.1						7.1	10.0
NNE	.2	.9	1.1	1.2	.1	.2						3.8	10.5
NE	.1	.9	1.7	1.4		.1		.1				4.3	10.6
ENE		.7	1.7	1.3	.1							3.8	10.4
E	.2	.7	2.8	1.4								5.1	9.0
ESE		.7	.8	.4	.1							2.0	9.2
SE		.8	.9	1.0								2.7	9.2
SSE	.2	1.1	.8									2.1	6.1
S	.2	1.4	1.4	.4	.2							3.8	8.0
SSW	.2	.8	1.7	1.2	.2							4.1	10.1
SW		.6	2.0	1.2	.9	.1						4.8	12.1
WSW	.2	.9	2.0	2.8	1.2	.1						7.2	11.8
W	.1	1.4	5.1	4.8	1.0	.1						12.6	11.4
WNW		2.7	3.5	4.3	.9							11.4	10.8
NW	.3	1.9	4.8	2.9	.8							10.7	10.0
NNW	.2	1.0	3.2	2.0	.2							6.7	9.7
VARBL													
CALM												7.8	
	2.9	18.2	35.4	28.2	6.7	.8		.1				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 898

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible]68 OTIS AFB MA 68-70,73,75-80 NOV
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.7	1.9	1.4	.7	.1						5.9	10.1
NNE	.2	.4	2.6	1.1	.7							5.0	10.8
NE	.1	1.4	1.3	1.8	.1	.3						5.1	10.6
ENE	.1	1.2	1.3	1.2	.4	.1						4.5	10.3
E		.6	1.6	.3								2.5	8.7
ESE	.1	.9	1.9	.8								3.7	8.3
SE		.8	1.7	.8	.2							3.5	10.0
SSE		1.8	.7									2.5	6.0
S	.3	1.6	1.2	1.2								4.3	8.4
SSW	.1	.6	1.1	.8	.2							2.8	10.1
SW		.8	2.2	2.0	.9	.2	.1					6.2	12.6
WSW	.2	1.1	3.7	3.3	1.4		.1					9.9	11.5
W		2.6	5.6	5.6	1.3	.3	.1					15.5	11.5
WNW	.2	2.2	4.0	3.7	1.0							11.1	10.5
NW	.2	1.2	2.7	3.6	.3	.1						8.1	11.0
NNW	.3	1.1	1.4	1.8	.2							4.9	9.6
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	4.5	
	2.1	20.0	34.9	29.4	7.6	1.2	.3					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 897

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 725069
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: NOV
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	.1	.3	1.0	.8	.6	.1						2.9	11.9
NNE	.3	1.7	1.8	1.2	.6	.3						5.9	10.2
NE	.2	1.9	2.3	1.8	.3							6.6	9.5
ENE	.1	1.6	1.4	.2		.2						3.6	7.8
E	.3	1.0	1.0	.8	.2							3.3	8.7
ESE	.2	1.3	1.8	.3								3.7	7.3
SE	.6	1.2	.8	.4	.2							3.2	7.6
SSE	.3	1.3	1.1									2.8	5.9
S	.7	1.1	1.6	.3	.1							3.8	7.4
SSW	.2	.8	1.1	.3	.6	.1						3.1	10.1
SW		2.0	2.6	2.4	.7							7.7	10.4
WSW	.2	2.7	4.0	4.1	.6	.1						11.7	10.2
W		2.6	4.6	3.7	.9	.2						11.9	10.4
WNW	.2	1.3	4.7	2.6	.4							9.2	10.0
NW		.9	2.9	2.7	.3							6.7	11.2
NNW	.4	1.2	1.9	2.0	.3							5.9	9.7
VARBL													
CALM												8.2	
	4.0	22.8	34.4	23.7	5.8	1.1						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 900

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

RAL CLIMATOLOGY BRANCH
FETAC
A WEATHER SERVICE/MAC

SURFACE WINDS

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

68 STATION
OTIS AFB MA STATION NAME
62-70,73,75-80 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	.8	.8	.7	.8	.3	.2	.2					3.8	10.4
NNE	.3	.8	1.2	.8	.3	.6	.1					4.1	12.0
NE	.3	1.1	1.7	.6	.1							3.8	8.0
ENE	.4	1.6	1.1	.3								3.4	6.5
E	.2	2.1	1.1	.3	.3							4.1	7.6
ESE	.4	.8	.7	1.0								2.9	8.3
SE	.3	.6	.3	.6	.1							1.9	8.5
SSE	.3	.9	.9	.1	.1							2.3	6.9
S	.6	1.3	1.3	.9	.2	.2						4.6	9.1
SSW		1.0	1.1	.9	.1							3.1	9.8
SW	.6	2.2	2.1	1.4	.2							6.6	8.7
WSW	.4	1.9	2.9	1.3		.1						6.7	8.7
W	.3	3.7	3.8	1.6	.6							9.9	8.6
WNW	.2	2.0	4.6	2.8	.2							9.8	9.5
NW	.3	1.4	3.0	2.6	.1							7.5	9.9
NNW	.7	1.0	1.4	.9	.4		.1					4.6	9.3
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	21.0	
	6.3	23.1	27.9	16.8	3.2	1.1	.4					100.0	7.1

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)

STATION: [illegible]68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: NOV
CLASS: ALL WEATHER
HOURS (L.S.T.): 2100-2300
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	.9	.6	.6	.4			.2				3.1	11.1
NNE	.1	1.1	.9	.2	1.1		.1					3.6	11.8
NE	.2	1.0	1.2	.7								3.1	7.8
ENE	.1	1.6	1.3	.2								3.2	6.7
E	.3	1.9	1.1	.1								3.4	6.1
ESE	.4	.1	1.2	.7								2.4	8.6
SE	.2	.6	.9	.4	.1							2.2	8.8
SSE	.2	.8	.7	.2	.1							2.0	7.4
S	.3	1.4	.9	1.0	.2							3.9	8.7
SSW	.1	1.6	.2	1.2	.3	.2						3.7	10.3
SW	.1	1.1	2.0	.7	.4	.1						4.4	9.8
WSW		1.1	1.4	1.8	.4							4.8	10.8
W	.7	2.3	4.7	2.9	.6							11.1	9.5
WNW	.6	2.4	3.1	3.3	.2							9.7	9.2
NW	.4	2.9	3.4	1.7	.6							9.0	8.8
NNW	.2	1.3	2.0	1.0	.6		.1	.1				5.3	10.4
VARBL													
CALM												25.0	
	4.6	22.1	25.7	16.7	5.1	.3	.2	.3				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 900

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 65
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
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	.4	1.2	1.2	.9	.5	.1	.0	.0				4.4	10.3
NNE	.3	.9	1.5	.8	.4	.2	.0					4.1	10.5
NE	.2	1.1	1.6	1.0	.1	.1		.0				4.0	9.2
ENE	.2	1.5	1.4	.6	.1	.0						3.8	8.1
E	.2	1.4	1.6	.6	.1							3.9	7.8
ESE	.2	.6	1.1	.4	.0							2.3	8.1
SE	.3	.7	.9	.5	.1							2.4	8.6
SSE	.2	.9	.7	.1	.1							2.0	6.7
S	.5	1.4	1.2	.7	.2	.0						4.1	8.1
SSW	.1	.9	.9	.8	.2	.1						3.0	9.9
SW	.2	1.2	1.9	1.3	.5	.1	.0					5.2	10.5
WSW	.2	1.4	2.6	2.3	.7	.1	.0					7.2	10.6
W	.2	2.3	4.5	3.6	.8	.1	.0					11.5	10.3
WNW	.2	2.5	3.8	2.7	.4							9.5	9.5
NW	.3	2.3	3.7	2.3	.4	.0						9.0	9.4
NNW	.4	1.5	2.3	1.4	.2		.0	.0				5.9	9.2
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	17.6	
	4.1	21.6	30.8	20.1	4.9	.8	.2	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 7024

1
2

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..L.AL CLIMATOLOGY BRANCH
 .FETAC
A.. .EATHER SERVICE/MAC
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SURFACE WINDS

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

..068	OTIS AFB MA	68-70,75-80	DEC
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.2	1.7	.5	.2	.2						3.9	9.9
NNE		.3	.6	.7	.2							1.8	11.9
NE	.3	.4	1.1	.6	.2		.2					2.8	11.4
ENE		.7	1.1	.7	.1							2.7	9.4
E		1.0	1.6	.8	.1							3.5	8.9
ESE		.8	1.0	.4								2.2	7.6
SE		.4	.7	.4								1.4	9.0
SSE	.2	1.2	1.0	.4								2.8	7.3
S	.1	.9	1.2	.8								3.0	8.4
SSW	.1	.2	.1	.4								.8	9.3
SW		.6	.8	1.1	.4							2.9	11.6
WSW	.1	.7	3.3	1.7	.1		.1					6.0	10.2
W	.5	1.8	4.9	4.2	1.2	.3	.2					13.1	11.3
WNW	.3	2.4	3.7	4.3	1.4	.6						12.8	11.4
NW	.2	3.7	7.1	3.7	1.3							16.2	9.9
NNW	.1	1.9	2.9	1.2	.2							6.4	9.0
VARBL													
CALM												17.7	
	1.9	18.2	32.8	22.0	5.7	1.1	.6					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 829

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

BAL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible] STATION — OTIS AFB MA STATION NAME — 68-70,75-80 YEARS — DEC MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.0	2.4	.8		.4						4.6	10.2
NNE	.1	.2	.7	.6	.2							1.9	10.9
NE		.5	.8	.5	.4							2.2	11.0
ENE	.2	1.1	1.5	.5	.1							3.4	8.1
E	.2	1.2	1.5	.5	.2	.4						4.0	9.8
ESE		.2	1.1	.4								1.7	9.4
SE		.2	.4	.5	.1							1.2	11.8
SSE		1.1	1.3	.5								2.9	8.2
S		.4	1.7	.4								2.4	8.9
SSW		.1		.4								.5	11.5
SW	.1	.5	.7	.7	.2							2.3	10.4
WSW		1.3	3.0	2.4	.6	.1						7.5	11.0
W	.2	2.2	4.7	4.7	.5	.2	.1					12.7	11.0
WNW	.4	2.9	5.1	4.5	1.3							14.2	10.5
NW	.6	4.4	4.2	4.2	1.1							14.5	9.6
NNW	.1	2.4	1.8	1.3	.4							6.1	8.9
VARBL													
CALM												17.8	
	2.1	19.8	31.0	22.9	5.2	1.1	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 825

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 5E66
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: DEC
CLASS: ALL WEATHER
HOURS (L.S.T.): 0600-0800
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	2.2	1.1	.5	.1	.2						4.2	8.3
NNE		.4	1.0	.2	.3	.1						2.1	10.9
NE	.1	.1	.5	.5								1.3	9.8
ENE	.1	.4	1.7	.5	.1							2.9	9.2
E	.2	.8	.8	.3	.3	.1						2.5	9.9
ESE	.2	.1	.6	.8		.1						1.8	10.9
SE	.1	.1	.8	.8	.3	.1						2.2	12.0
SSE	.3	.8	.6	.4	.3							2.5	8.5
S		.6	1.1	.6	.2							2.6	9.7
SSW		.3	.4	.9		.1						1.7	11.4
SW	.1	.1	.8	1.4								2.4	11.3
WSW	.1	1.5	2.4	1.3	.6	.1						6.1	10.3
W	.3	2.2	4.1	4.8	.5	.4						12.3	11.0
WNW	.5	1.6	4.2	4.7	1.8	.1						13.0	11.4
NW	.4	4.3	4.5	4.1	.6							14.1	9.3
NNW	.2	1.8	3.6	1.5	.1							7.3	8.8
VARBL													
CALM												21.1	
	2.9	17.4	28.2	23.4	5.5	1.4						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 924

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725068 OTIS AFB MA 68-70,73,75-80 DEC
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	.1	2.2	.6	.2	.4	.1						3.7	8.3
NNE	.3	1.2	1.0	1.2	.5	.1						4.3	10.1
NE		.1	.5	.9	.1							1.6	11.5
ENE		.6	.6	1.1	.3							2.7	10.5
E	.4	.4	1.4	.5	.2	.2						3.2	10.0
ESE		.5	.8	.2	.1							1.6	8.5
SE		.4	1.1	1.0	.5							3.0	11.4
SSE	.3	.3	.4	.6	.2	.1						2.0	10.6
S	.2	1.1	1.2	.6	.1							3.2	8.6
SSW		.3	.8	1.2	.2	.2						2.7	12.4
SW	.1	.4	.5	1.7	.5	.2						3.5	12.8
WSW	.3	.4	2.9	1.9	1.1							6.7	11.6
W	.2	1.6	2.2	5.1	1.8	.5	.1					11.5	12.8
WNW	.3	1.9	3.8	5.6	1.5	.3						13.4	11.7
NW	.9	1.5	5.2	5.8	1.8	.3						15.5	11.8
NNW	.4	2.2	4.7	3.4	.4							11.2	9.8
VARBL													
CALM												10.1	
	3.7	15.3	27.6	31.1	10.0	2.2	.1					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725 69 STATION
OTIS AFB MA STATION NAME
68-70,73,75-80 YEARS
DEC MONTH
ALL WEATHER CLASS
1200-1400 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	2.4	1.3	1.1	.6							5.5	9.4
NNE	.1	1.5	.8	.9	.1							3.3	8.2
NE	.1	.5	1.6	1.1	.2							3.5	10.4
ENE		1.2	1.1	1.1	.2							3.5	9.5
E		1.1	.4	.4	.2							2.2	9.2
ESE	.1	1.0	.1	.8	.2	.2						2.4	11.1
SE		.6	.2	.9	.1							1.8	10.6
SSE	.1	.4	.5	.6	.2							1.9	9.9
S		1.6	1.9	.4	.3	.1						4.4	9.0
SSW	.1	.9	1.0	.5	.5							3.0	9.9
SW	.1	.2	1.6	2.2	1.0	.1						5.2	12.8
WSW		1.2	3.1	4.6	1.0	.3	.1					10.3	12.3
W	.2	2.4	3.5	4.5	1.7	.3	.2					12.9	11.8
WNW	.1	1.2	2.4	3.0	3.9	.5	.1					11.2	14.2
NW	.1	2.0	3.8	5.4	2.3	.6						14.2	12.5
NNW	.4	1.9	3.7	2.4	.6	.4						9.5	10.4
VARBL													
CALM												5.2	
	1.6	20.1	27.0	29.8	13.2	2.7	.4					100.0	10.8

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 725 165
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: DEC
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	.8	2.0	.9	1.6	.5							5.8	8.8
NNE	.3	.9	1.4	.5								3.1	8.0
NE	.2	.6	.9	1.0								2.7	9.6
ENE		1.0	1.3	.4	.2							2.9	9.3
E	.3	.4	.5	.6								1.9	8.2
ESE	.1	.5	.3	.2	.1							1.3	8.9
SE	.3	.2	.4	.8	.2							1.9	10.2
SSE		.6	.9	.3	.1							1.9	9.3
S		2.2	2.4	.5	.1							5.2	8.0
SSW	.1	1.1	1.1	.4	.4	.2						3.3	9.9
SW	.3	1.5	1.9	2.2	.6	.1						6.7	10.2
WSW	.2	1.3	2.9	4.2	.4	.1						9.1	11.0
W	.4	2.2	3.2	4.2	2.0	.4						12.5	11.8
WNW	.3	1.2	3.2	3.1	2.2	.6	.1					10.8	13.0
NW	.1	2.3	4.6	4.1	1.3	.2						12.6	11.2
NNW	.2	2.4	3.2	1.3	.3							7.4	8.6
VARBL													
CALM												10.8	
	3.8	20.3	29.2	25.5	8.6	1.7	.1					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 929

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

L BAL CLIMATOLOGY BRANCH
AFETAC
A WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: EF69
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: DEC
CLASS: ALL WEATHER
HOURS (L.S.T.): 1800-2000
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.4	1.0	.9	.1							4.1	7.2
NNE		.9	.5	.4								1.8	7.6
NE		.4	.8	1.2	.1							2.5	11.1
ENE	.1	.3	.9	1.1								2.4	10.4
E	.3	.6	1.0	1.0								2.9	8.8
ESE	.3	.2	.6									1.2	6.6
SE	.3	.9	.4	.4								2.1	7.0
SSE	.1	.6	.6	.4								1.8	8.1
S	.4	1.7	1.2	.4								3.8	7.0
SSW		1.2	.6	.8	.1	.2						2.9	9.7
SW	.5	1.3	1.9	1.3	.4	.1						5.6	9.3
WSW	.2	1.0	1.6	2.1	.9		.1					5.8	11.6
W	.2	2.1	2.7	3.4	2.3	.4						11.0	12.3
WNW	.5	2.6	2.4	3.2	1.8	.8	.1					11.5	12.0
NW	.4	3.2	5.0	3.0	1.3	.2						13.2	10.2
NNW	.2	1.8	1.9	1.2	.5	.2						6.0	9.9
VARBL													
CALM												21.3	
	4.5	20.3	23.3	20.8	7.6	1.9	.2					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 924

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible]068 OTIS AFB MA 68-70,73,75-80 DEC
STATION STATION NAME YEARS 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	.4	.9	1.1	1.1								3.5	8.0
NNE	.2	.3	.7	.8								2.0	9.6
NE	.2	1.0	.9	.8	.4							3.3	9.9
ENE	.7	.7	.8	.7	.2							2.9	8.6
E	.2	.5	.9	.8	.1							2.5	9.2
ESE	.2	.8	.7	.3	.1							2.1	8.2
SE	.2	.5	1.2	.1	.1							2.2	7.7
SSE	.3	1.4	.2	.2	.1							2.3	6.4
S	.4	1.3	1.3	.8								3.8	7.9
SSW	.2	.4	.2	.7		.1						1.6	9.7
SW	.2	.4	1.2	1.1	.4	.1	.1					3.6	11.5
WSW	.1	.5	1.8	2.1	.7							5.2	12.0
W	.3	2.0	2.7	4.7	1.0	.4						11.1	11.6
WNW	.2	2.5	2.9	3.3	.9	.8		.1				10.7	11.9
NW	.8	3.5	4.8	5.2	2.2	.2	.1					16.7	11.0
NNW	.7	1.3	2.3	1.4	.5	.1						6.3	9.4
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	20.3	
	5.4	18.0	23.6	23.8	6.7	1.7	.2	.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 920

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: [illegible]68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: DEC
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	.3	1.7	1.2	.8	.3	.1						4.4	8.8
NNE	.1	.7	.8	.7	.2	.0						2.6	9.5
NE	.1	.5	.9	.8	.2		.0					2.5	10.5
ENE	.1	.7	1.1	.8	.2							2.9	9.3
E	.2	.7	1.0	.6	.2	.1						2.8	9.3
ESE	.1	.5	.6	.4	.1	.0						1.8	9.1
SE	.1	.4	.7	.6	.2	.0						2.0	10.0
SSE	.2	.8	.7	.4	.1	.0						2.3	8.5
S	.2	1.2	1.5	.6	.1	.0						3.6	8.4
SSW	.1	.6	.5	.7	.2	.1						2.1	10.4
SW	.2	.6	1.2	1.5	.5	.1	.0					4.1	11.1
WSW	.1	1.0	2.6	2.6	.7	.1	.0					7.1	11.3
W	.3	2.0	3.5	4.4	1.4	.4	.1					12.1	11.7
WNW	.3	2.0	3.4	4.0	1.9	.5	.0	.0				12.1	12.0
NW	.4	3.1	4.9	4.5	1.5	.2	.0					14.6	10.7
NNW	.3	2.0	3.0	1.7	.4	.1						7.5	9.4
VARBL													
CALM												15.5	
	3.3	18.7	27.7	25.0	7.9	1.7	.2	.0				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 7211

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725068 OTIS AFB MA
STATION STATION NAME

68-70,73,75-81
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	.4	1.7	1.8	1.2	.3	.1	.0	.0				5.4	9.1
NNE	.2	1.1	1.5	1.3	.4	.2	.0	.0				4.8	10.6
NE	.2	1.2	1.5	1.1	.3	.1	.0	.0				4.3	9.6
ENE	.2	.9	1.1	.6	.1	.0	.0	.0				3.0	8.8
E	.2	.7	.8	.4	.1	.0	.0	.0				2.4	7.7
ESE	.2	.5	.6	.4	.1	.0						1.9	8.5
SE	.2	.7	.8	.3	.1	.0						2.2	8.1
SSE	.2	1.0	.8	.3	.1	.0	.0					2.5	7.7
S	.4	1.8	1.9	.8	.2	.0	.0					5.1	8.2
SSW	.2	1.3	1.8	1.2	.2	.1	.0					4.9	9.3
SW	.4	1.9	2.7	2.3	.6	.1	.0					7.8	10.1
WSW	.3	2.2	3.9	3.5	.9	.1	.0	.0				10.9	10.4
W	.4	2.5	3.5	2.9	.8	.1	.0	.0				10.3	10.0
WNW	.2	1.7	2.5	1.9	.6	.1	.0	.0				7.0	10.2
NW	.3	1.8	2.5	1.7	.4	.1	.0					6.9	9.5
NNW	.3	1.6	1.7	.9	.2	.0	.0	.0				4.8	8.5
VARBL													
CALM												15.8	
	4.5	22.8	29.5	20.8	5.4	1.0	.2	.0				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 87101

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725068 STATION
OTIS AFB MA STATION NAME
68-70,73,75-81 YEARS
ALL MONTH

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

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.5	2.6	2.4	.9	.2	.1	.0				8.1	11.3
NNE	.2	1.1	2.5	2.7	1.1	.5	.1	.0				8.2	12.5
NE	.2	1.4	2.2	2.2	.8	.2	.0	.0				7.1	11.2
ENE	.2	1.1	1.8	1.4	.4	.1	.0					5.1	10.4
E	.3	1.1	1.6	1.0	.3	.1	.0	.0				4.4	9.5
ESE	.2	.7	1.2	.9	.3	.1						3.3	10.4
SE	.1	.8	1.4	.9	.3	.1						3.6	10.0
SSE	.2	.9	1.3	.7	.2	.1	.0					3.5	9.4
S	.3	2.0	3.0	1.8	.5	.1	.0					7.7	9.6
SSW	.2	1.3	2.4	1.7	.4	.1	.0					6.0	10.2
SW	.4	1.7	3.3	3.0	.6	.2	.0					9.2	10.3
WSW	.3	2.1	4.1	3.6	.9	.1	.0	.0				11.3	10.6
W	.3	1.8	2.3	1.4	.3	.0	.0					6.0	9.1
WNW	.1	.4	.6	.3	.1	.0						1.5	8.6
NW	.1	.6	.9	.4	.1	.0						2.1	8.9
NNW	.2	.9	1.3	.8	.2	.1	.0	.0				3.4	9.6
VARBL													
CALM												9.4	
	3.7	19.4	32.3	25.2	7.6	2.0	.4	.1				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 16282

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

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

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

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

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

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
6[illegible]	OTIS AFB MA	68-70,73,76-81	JA

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) 1000-1200

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	33.0	54.4	54.4	55.2	55.3	55.3	55.3	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 20000	33.0	55.0	55.0	55.7	55.8	55.8	55.8	55.8	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	33.0	55.1	55.1	55.8	56.0	56.0	56.0	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 16000	33.?	55.2	55.2	56.0	56.1	56.1	56.1	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 14000	33.9	56.4	56.4	57.2	57.3	57.3	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 12000	34.4	57.2	57.2	57.9	58.0	58.0	58.0	58.0	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 10000	36.1	60.0	60.0	60.8	61.1	61.1	61.1	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	36.1	60.3	60.3	61.1	61.4	61.4	61.4	61.4	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 8000	36.7	61.5	61.6	62.4	62.7	62.7	62.7	62.7	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 7000	37.0	62.6	62.7	63.5	63.8	63.8	63.8	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 6000	38.?	64.3	64.4	65.1	65.5	65.5	65.5	65.5	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 5000	40.0	67.1	67.4	68.3	68.6	68.6	68.6	68.6	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4500	40.4	68.2	68.5	69.5	69.8	69.8	69.8	69.8	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 4000	42.2	70.3	70.7	71.7	72.0	72.1	72.1	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3500	43.2	72.1	72.6	73.6	73.9	74.1	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3000	44.0	73.9	74.3	75.3	75.7	76.0	76.0	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2500	44.?	76.0	76.5	77.5	77.9	78.1	78.1	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	45.4	77.5	78.5	79.5	80.1	80.3	80.3	80.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1800	45.4	77.5	78.5	79.5	80.1	80.3	80.4	80.8	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1500	45.9	78.9	79.9	80.9	81.5	81.9	82.1	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1200	46.1	79.5	80.5	81.7	83.0	83.4	83.6	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1000	46.4	80.1	81.2	82.4	83.6	84.0	84.3	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 900	46.4	80.1	81.4	82.6	83.8	84.3	84.5	85.0	85.1	85.2	85.4	85.4	85.4	85.4	85.4	85.4
≥ 800	46.4	80.1	81.5	82.8	84.5	85.1	85.6	86.1	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4
≥ 700	46.6	80.4	82.0	83.6	85.4	86.0	87.1	87.7	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0
≥ 600	46.6	80.4	82.0	83.6	85.9	86.8	88.1	88.7	88.9	89.0	89.2	89.2	89.3	89.3	89.3	89.3
≥ 500	46.6	80.5	82.2	84.0	86.8	87.7	89.4	90.2	90.3	90.6	90.9	90.9	91.1	91.1	91.1	91.1
≥ 400	46.6	80.5	82.2	84.0	87.0	87.9	90.5	91.5	91.6	92.1	92.6	92.6	92.9	92.9	92.9	92.9
≥ 300	46.6	80.5	82.3	84.2	87.4	88.6	91.8	93.0	93.1	94.3	95.0	95.0	95.7	95.7	95.7	95.7
≥ 200	46.6	80.5	82.3	84.3	87.7	89.0	92.1	94.0	94.4	96.1	97.0	97.0	98.3	98.4	98.4	98.7
≥ 100	46.6	80.5	82.3	84.3	87.7	89.0	92.1	94.0	94.4	96.2	97.4	97.5	98.7	98.8	99.0	99.5
≥ 0	46.6	80.5	82.3	84.3	87.7	89.0	92.1	94.0	94.4	96.2	97.5	97.6	98.8	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 915

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

69 OTIS AFB MA 68-7[illegible],73,76-81 JAN
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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	31.3	53.8	53.9	54.3	54.4	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	31.4	54.8	54.9	55.3	55.4	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 18000	31.4	54.9	55.0	55.4	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 16000	31.4	54.9	55.0	55.4	55.5	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 14000	32.7	55.7	55.9	56.3	56.4	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 12000	33.1	57.2	57.3	57.7	57.8	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 10000	35.7	61.0	61.4	62.0	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 9000	35.7	61.0	61.4	62.0	62.1	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 8000	36.3	62.2	62.6	63.2	63.3	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 7000	36.4	63.5	63.9	64.5	64.6	64.6	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 6000	36.7	64.5	64.9	65.5	65.6	65.6	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 5000	39.0	67.5	68.0	68.7	69.0	69.0	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 4500	39.7	68.4	68.9	69.6	69.8	69.8	70.2	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 4000	41.1	70.1	70.5	71.3	71.6	71.6	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 3500	41.4	71.5	72.2	73.0	73.3	73.3	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 3000	42.2	73.2	74.0	75.0	75.6	75.6	76.0	76.4	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2500	43.2	75.2	76.2	77.2	77.8	77.8	78.1	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	43.6	76.7	77.7	79.0	79.8	79.8	80.3	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1800	43.6	76.9	78.0	79.3	80.1	80.1	80.7	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	44.2	78.0	79.1	80.5	81.6	81.6	82.2	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1200	44.3	78.5	79.8	81.3	82.8	82.8	83.5	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1000	44.7	79.0	80.5	82.1	83.8	83.8	84.8	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 900	44.9	79.3	80.9	82.5	84.5	84.5	85.7	86.3	86.3	86.6	86.7	86.7	86.7	86.7	86.7	86.7
≥ 800	44.9	79.3	81.0	82.6	84.7	84.7	86.1	86.8	86.8	87.1	87.2	87.2	87.2	87.2	87.2	87.2
≥ 700	44.9	79.5	81.1	82.7	84.9	85.1	86.8	87.4	87.4	87.9	88.0	88.0	88.0	88.0	88.0	88.0
≥ 600	45.0	79.6	81.4	83.2	85.8	86.1	88.1	88.9	89.0	89.5	89.8	89.8	89.8	89.8	89.8	89.8
≥ 500	45.0	79.6	81.5	83.4	86.8	87.2	89.6	90.5	90.6	91.1	91.5	91.5	91.5	91.5	91.5	91.5
≥ 400	45.0	79.6	81.6	83.7	87.3	87.9	90.6	91.6	91.9	92.6	92.9	92.9	93.0	93.0	93.0	93.0
≥ 300	45.0	79.6	81.7	83.8	87.7	88.4	91.6	92.9	93.3	94.4	95.0	95.0	95.3	95.3	95.3	95.3
≥ 200	45.0	79.6	81.7	83.8	87.7	88.4	92.0	93.7	94.1	95.7	96.9	97.2	97.8	98.1	98.3	98.3
≥ 100	45.0	79.6	81.7	83.8	87.7	88.4	92.0	93.7	94.1	95.7	97.2	97.6	98.7	99.0	99.3	99.6
≥ 0	45.0	79.6	81.7	83.8	87.7	88.4	92.0	93.7	94.1	95.7	97.2	97.6	98.7	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 915

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

AL CLIMATOLOGY BRANCH
FETAC
EATHER SERVIC /MAC

CEILING VERSUS VISIBILITY

6[illegible]	OTIS AFB MA	68-70,73,76-81	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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33.6	49.6	49.7	49.8	49.9	49.9	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.9	50.9
≥ 20000	34.6	50.8	50.9	51.0	51.1	51.1	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	52.1	52.1
≥ 18000	34.6	50.8	50.9	51.0	51.1	51.1	51.6	51.7	51.8	51.8	51.9	51.8	51.9	51.9	52.2	52.2
≥ 16000	34.6	50.8	50.9	51.0	51.1	51.1	51.6	51.7	51.8	51.8	51.8	51.8	51.9	51.9	52.2	52.2
≥ 14000	36.2	52.5	52.6	52.7	52.8	52.8	53.3	53.5	53.6	53.6	53.6	53.6	53.7	53.7	53.9	53.9
≥ 12000	36.3	53.9	54.0	54.1	54.2	54.2	54.8	54.9	55.0	55.0	55.0	55.0	55.1	55.1	55.3	55.3
≥ 10000	40.1	57.9	58.2	58.3	58.4	58.4	59.0	59.1	59.2	59.2	59.2	59.2	59.3	59.3	59.6	59.6
≥ 9000	40.1	57.9	58.2	58.3	58.4	58.4	59.0	59.1	59.2	59.2	59.2	59.2	59.3	59.3	59.6	59.6
≥ 8000	42.2	60.9	61.4	61.6	61.8	61.8	62.3	62.4	62.5	62.5	62.5	62.5	62.6	62.6	63.0	63.0
≥ 7000	43.0	62.6	63.3	63.5	63.7	63.7	64.3	64.4	64.5	64.5	64.5	64.5	64.6	64.6	64.9	64.9
≥ 6000	43.6	64.4	65.0	65.3	65.6	65.6	66.1	66.2	66.3	66.3	66.3	66.3	66.4	66.4	66.7	66.7
≥ 5000	45.4	67.4	68.4	68.8	69.0	69.1	69.7	69.8	69.9	69.9	69.9	69.9	70.0	70.0	70.3	70.3
≥ 4500	45.5	67.7	68.7	69.1	69.3	69.4	70.0	70.1	70.2	70.2	70.2	70.2	70.3	70.3	70.6	70.6
≥ 4000	46.1	68.8	69.9	70.3	70.6	70.7	71.3	71.4	71.5	71.5	71.5	71.5	71.6	71.6	71.9	71.9
≥ 3500	46.3	69.7	70.7	71.3	71.6	71.7	72.2	72.4	72.5	72.5	72.5	72.5	72.6	72.6	72.9	72.9
≥ 3000	47.9	71.3	72.5	73.1	73.7	73.8	74.4	74.5	74.6	74.6	74.6	74.6	74.7	74.7	75.1	75.1
≥ 2500	49.1	73.0	74.3	74.9	75.5	75.6	76.2	76.3	76.5	76.5	76.5	76.5	76.6	76.6	76.9	76.9
≥ 2000	50.2	76.2	77.9	78.6	79.6	79.7	80.3	80.5	80.6	80.8	80.8	80.8	80.9	80.9	81.2	81.2
≥ 1800	50.2	76.5	78.1	78.8	79.8	79.9	80.7	80.8	80.9	81.1	81.1	81.1	81.2	81.2	81.5	81.5
≥ 1500	51.2	78.7	80.3	81.3	82.3	82.4	83.2	83.3	83.4	83.6	83.6	83.6	83.7	83.7	84.0	84.0
≥ 1200	51.6	79.9	81.6	82.7	83.7	83.8	84.6	84.7	84.8	85.0	85.0	85.0	85.1	85.1	85.4	85.4
≥ 1000	51.6	80.0	81.7	82.9	84.1	84.2	85.0	85.1	85.2	85.4	85.4	85.4	85.5	85.5	86.0	86.0
≥ 900	51.7	80.2	82.0	83.2	84.4	84.7	85.4	85.5	85.6	85.9	85.9	85.9	86.0	86.0	86.4	86.4
≥ 800	51.7	80.5	82.2	83.4	85.0	85.2	86.0	86.1	86.2	86.4	86.5	86.5	86.6	86.6	87.0	87.0
≥ 700	51.7	80.6	82.3	83.5	85.3	85.6	86.7	86.8	86.9	87.3	87.4	87.4	87.5	87.5	87.9	88.0
≥ 600	51.7	80.7	82.4	83.6	85.9	86.2	87.4	87.6	87.7	88.0	88.2	88.2	88.3	88.3	88.8	88.9
≥ 500	51.7	80.9	82.6	83.8	86.3	86.6	88.3	88.7	88.8	89.3	89.6	89.6	89.7	89.7	90.2	90.3
≥ 400	51.7	80.9	82.7	83.9	86.8	87.1	89.6	90.1	90.2	91.1	91.6	91.7	91.8	91.9	92.2	92.3
≥ 300	51.7	80.9	82.7	83.9	87.4	87.8	90.5	91.3	91.4	92.5	93.1	93.2	93.3	93.3	93.7	93.8
≥ 200	51.7	80.9	82.7	83.9	87.4	87.8	90.6	91.7	92.0	93.6	94.8	95.0	95.8	95.9	96.5	96.8
≥ 100	51.7	80.9	82.7	83.9	87.4	87.8	90.6	91.7	92.0	93.7	95.1	95.4	96.5	96.6	98.3	98.9
≥ 0	51.7	80.9	82.7	83.9	87.4	87.8	90.6	91.7	92.0	93.7	95.2	95.5	96.7	96.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 926

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
63	OTIS AFB MA	68-70,73,76-81	JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	44.1	49.3	50.1	50.3	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0
≥ 20000	45.4	50.6	51.3	51.6	52.1	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3	52.4	52.4
≥ 18000	45.3	50.7	51.5	51.7	52.2	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.5	52.5
≥ 16000	45.7	50.9	51.7	51.9	52.4	52.5	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6	52.7	52.7
≥ 14000	47.1	52.5	53.3	53.5	54.0	54.1	54.1	54.1	54.1	54.1	54.3	54.3	54.3	54.3	54.4	54.4
≥ 12000	48.8	54.5	55.2	55.4	56.0	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.3	56.3
≥ 10000	51.2	57.9	58.6	58.9	59.4	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.7	59.7
≥ 9000	51.2	58.1	58.9	59.2	59.7	59.8	59.8	59.8	59.8	59.8	60.0	60.0	60.0	60.0	60.1	60.1
≥ 8000	52.6	60.6	61.7	62.0	62.6	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.1	63.1
≥ 7000	53.6	61.9	63.0	63.3	64.0	64.3	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.5	64.5
≥ 6000	54.1	63.2	64.3	64.6	65.3	65.6	65.6	65.6	65.7	65.7	65.8	65.8	65.8	65.8	65.9	65.9
≥ 5000	56.6	66.1	67.2	67.5	68.4	68.8	68.8	68.8	68.9	68.9	69.0	69.0	69.0	69.0	69.1	69.1
≥ 4500	56.9	66.6	67.8	68.1	69.0	69.4	69.4	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.8	69.8
≥ 4000	58.8	68.7	70.0	70.5	71.5	72.0	72.1	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.4	72.4
≥ 3500	59.3	69.4	70.7	71.3	72.2	72.8	72.9	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.2	73.2
≥ 3000	60.2	70.9	72.4	73.0	74.0	74.6	74.7	74.7	74.8	74.8	74.9	74.9	74.9	74.9	75.0	75.0
≥ 2500	61.6	72.7	74.2	74.7	76.0	76.6	76.7	76.7	76.9	76.9	77.0	77.0	77.0	77.0	77.1	77.1
≥ 2000	62.3	74.4	76.2	76.9	78.6	79.2	79.3	79.4	79.8	79.8	79.9	79.9	79.9	79.9	80.0	80.0
≥ 1800	63.1	74.9	76.9	77.5	79.2	79.9	80.0	80.1	80.4	80.4	80.5	80.5	80.5	80.5	80.6	80.6
≥ 1500	63.5	75.7	77.9	78.7	80.4	81.1	81.5	81.7	82.1	82.1	82.2	82.2	82.2	82.2	82.3	82.3
≥ 1200	64.0	76.9	79.2	80.0	81.8	82.5	83.0	83.3	83.7	83.7	83.9	83.9	83.9	83.9	84.0	84.0
≥ 1000	64.3	77.5	80.2	81.3	83.1	83.9	84.6	85.0	85.5	85.6	85.7	85.7	85.7	85.7	85.8	85.8
≥ 900	64.3	77.6	80.3	81.4	83.2	84.0	84.9	85.4	85.8	85.9	86.0	86.0	86.0	86.0	86.1	86.1
≥ 800	64.3	77.7	80.4	81.5	83.5	84.3	85.3	85.7	86.2	86.4	86.8	86.8	86.8	86.8	86.9	86.9
≥ 700	64.3	77.7	80.4	81.7	84.1	84.8	85.9	86.3	86.9	87.1	87.4	87.4	87.4	87.4	87.5	87.5
≥ 600	64.3	77.7	80.4	81.9	84.4	85.1	86.5	87.2	87.8	88.2	88.5	88.5	88.5	88.5	88.6	88.6
≥ 500	64.3	77.8	80.5	82.1	84.6	85.6	87.5	88.5	89.2	89.9	90.2	90.2	90.2	90.2	90.3	90.3
≥ 400	64.3	77.9	80.6	82.2	84.9	86.0	88.2	89.6	90.3	91.2	91.6	91.6	91.7	91.7	91.8	91.8
≥ 300	64.4	78.1	80.8	82.5	85.1	86.4	89.0	90.7	91.7	92.8	93.9	94.0	94.3	94.3	94.4	94.4
≥ 200	64.4	78.1	80.8	82.5	85.1	86.4	89.0	91.0	91.9	93.4	94.7	94.8	95.5	95.6	96.3	96.4
≥ 100	64.4	78.1	80.8	82.5	85.1	86.4	89.0	91.0	91.9	93.9	95.2	95.3	96.7	97.1	98.9	99.4
≥ 0	64.4	78.1	80.8	82.5	85.1	86.4	89.0	91.0	91.9	94.0	95.3	95.4	96.8	97.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 929

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	44.4	49.9	50.5	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	46.4	52.1	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	46.5	52.2	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 16000	46.5	52.2	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 14000	49.4	55.2	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 12000	50.9	57.1	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
≥ 10000	53.4	60.3	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 9000	53.5	60.4	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
≥ 8000	55.7	63.2	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 7000	56.1	63.9	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 6000	56.6	64.8	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 5000	58.6	66.9	67.8	68.2	68.5	68.8	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4500	58.8	67.1	68.1	68.5	68.9	69.1	69.2	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4000	59.5	68.4	69.5	69.9	70.3	70.5	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 3500	60.5	69.6	70.7	71.2	71.6	71.8	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 3000	62.1	71.5	72.5	73.1	73.4	73.6	73.8	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500	64.5	74.5	75.6	76.1	76.4	76.9	77.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000	66.6	77.1	78.8	79.5	80.1	80.5	80.8	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1800	66.7	77.4	79.1	79.8	80.4	80.9	81.1	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1500	67.2	78.2	80.2	80.9	81.8	82.3	82.6	83.0	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1200	67.8	78.9	81.1	82.1	83.0	83.7	84.1	84.5	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1000	67.9	79.6	81.7	82.7	83.8	84.4	85.1	85.6	85.9	86.2	86.3	86.3	86.3	86.3	86.3	86.3
≥ 900	67.9	79.8	81.9	83.0	84.1	84.9	85.8	86.4	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0
≥ 800	68.0	80.2	82.6	83.7	85.0	85.8	87.0	87.9	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5
≥ 700	68.0	80.3	82.9	84.0	85.4	86.3	87.6	88.5	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5
≥ 600	68.0	80.3	83.1	84.2	85.6	86.6	88.0	89.1	89.5	90.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 500	68.0	80.8	83.7	84.8	86.4	87.5	89.2	90.8	91.2	92.3	92.4	92.4	92.4	92.4	92.4	92.4
≥ 400	68.0	80.8	83.7	84.8	86.6	88.0	89.9	92.4	93.0	94.3	94.4	94.4	94.6	94.6	94.6	94.6
≥ 300	68.0	80.8	83.7	84.8	86.7	88.1	90.7	93.4	94.3	96.1	96.5	96.5	97.0	97.0	97.0	97.0
≥ 200	68.0	80.8	83.7	84.9	86.9	88.4	91.0	93.8	94.7	97.1	97.8	97.8	98.4	98.4	98.4	98.4
≥ 100	68.0	80.8	83.7	84.9	86.9	88.4	91.1	93.9	94.8	97.3	98.1	98.1	99.1	99.2	99.5	99.6
≥ 0	68.0	80.8	83.7	84.9	86.9	88.4	91.1	93.9	94.8	97.3	98.1	98.1	99.1	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 925

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 [illegible] 69 — OTIS AFB MA — 68-70,73,76-81 — JAN
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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	41.8	48.0	48.2	48.5	48.8	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 20000	43.4	50.1	50.3	50.6	51.0	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	43.4	50.1	50.3	50.6	51.0	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	43.4	50.1	50.3	50.6	51.0	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	45.7	52.4	52.6	52.9	53.2	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 12000	47.6	54.5	54.8	55.3	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 10000	50.2	58.4	58.7	59.1	59.5	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 9000	50.4	58.8	59.2	59.7	60.0	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 8000	52.5	61.9	62.5	62.9	63.2	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 7000	52.6	62.6	63.2	63.7	64.1	64.2	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 6000	54.3	64.7	65.4	65.8	66.2	66.5	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 5000	56.2	67.2	68.1	68.4	68.8	69.0	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500	56.5	67.5	68.5	68.9	69.4	69.6	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	57.0	68.5	69.6	70.0	70.5	70.9	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3500	57.7	69.6	70.6	71.2	71.7	72.0	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3000	59.7	72.2	73.2	73.8	74.3	74.6	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 2500	61.7	73.5	74.6	75.3	75.8	76.1	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 2000	63.9	77.2	78.5	79.2	79.8	80.1	80.6	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1800	63.7	77.3	78.6	79.4	79.9	80.2	80.8	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1500	64.0	78.3	79.8	80.5	81.1	81.5	82.2	82.6	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1200	64.5	79.2	80.9	81.9	82.6	83.0	83.7	84.2	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1000	64.6	79.7	81.4	82.6	83.3	83.8	84.4	85.1	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 900	64.6	79.7	81.7	82.9	84.1	84.5	85.3	86.0	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 800	64.6	80.0	82.3	83.5	84.8	85.3	86.1	86.9	87.4	87.8	88.0	88.0	88.0	88.0	88.0	88.0
≥ 700	64.6	80.1	82.5	83.9	85.4	85.8	86.7	87.5	88.2	89.0	89.1	89.1	89.1	89.1	89.1	89.1
≥ 600	64.6	80.1	82.6	84.0	85.5	85.9	87.0	88.0	88.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8
≥ 500	64.6	80.3	82.9	84.3	86.0	86.7	88.2	89.4	90.4	91.5	91.7	91.7	91.7	91.7	91.7	91.7
≥ 400	64.6	80.4	83.0	84.5	86.5	87.2	89.4	91.3	92.4	93.7	94.1	94.1	94.2	94.2	94.2	94.2
≥ 300	64.6	80.4	83.0	84.5	86.7	87.6	90.1	92.7	94.0	96.1	96.7	96.9	97.0	97.0	97.0	97.0
≥ 200	64.6	80.5	83.1	84.6	86.8	87.7	90.2	93.4	94.7	97.2	97.7	98.0	98.1	98.2	98.2	98.2
≥ 100	64.6	80.5	83.1	84.6	86.8	87.7	90.2	93.4	94.7	97.2	98.0	98.3	98.5	98.7	99.4	99.4
≥ 0	64.6	80.5	83.1	84.6	86.8	87.7	90.2	93.4	94.7	97.2	98.0	98.3	98.6	98.8	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
725068	OTIS AFB MA	68-70,73,76-81	JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	32.5	52.2	52.4	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
≥ 20000	33.2	53.7	53.9	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
≥ 18000	33.2	53.7	53.9	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
≥ 16000	33.2	53.7	53.9	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
≥ 14000	34.2	55.1	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 12000	34.3	56.0	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	56.4
≥ 10000	36.2	58.4	58.9	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
≥ 9000	36.3	58.9	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 8000	37.1	61.4	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 7000	37.5	62.3	62.8	63.0	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 6000	38.4	64.2	64.7	64.9	65.1	65.1	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3
≥ 5000	39.0	66.3	66.8	67.1	67.3	67.3	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6
≥ 4500	39.6	67.4	68.2	68.5	68.9	68.9	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4000	41.2	70.3	71.3	71.6	72.0	72.1	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4
≥ 3500	42.3	72.0	73.0	73.3	73.7	73.8	74.1	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3000	44.3	74.5	75.7	76.1	76.6	76.7	77.0	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2500	44.9	76.1	77.4	77.9	78.5	78.6	78.9	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2
≥ 2000	46.4	79.0	80.5	81.2	81.9	82.1	82.7	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1800	46.5	79.1	80.6	81.3	82.1	82.3	82.9	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1500	46.7	79.9	81.5	82.2	83.3	83.5	84.4	84.6	84.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1200	46.7	80.4	82.2	83.1	84.3	84.5	85.7	85.9	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1000	47.1	80.9	82.9	84.0	85.1	85.4	86.5	86.8	86.9	87.1	87.2	87.2	87.2	87.2	87.2	87.2
≥ 900	47.3	81.4	83.6	84.8	86.1	86.3	87.5	87.8	87.9	88.2	88.3	88.3	88.3	88.3	88.3	88.3
≥ 800	47.4	81.5	84.0	85.4	86.8	87.0	88.5	88.9	89.0	89.7	89.8	89.8	89.8	89.8	89.8	89.8
≥ 700	47.4	81.7	84.2	85.7	87.2	87.4	89.0	89.5	89.6	90.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 600	47.4	81.8	84.3	85.9	87.7	87.9	89.7	90.2	90.3	91.1	91.3	91.3	91.3	91.3	91.3	91.3
≥ 500	47.4	82.0	84.5	86.1	88.5	88.7	90.6	91.3	91.4	92.4	92.7	92.7	92.8	92.8	92.8	92.8
≥ 400	47.4	82.1	84.6	86.3	89.1	89.3	91.6	92.4	92.5	93.5	93.9	93.9	94.0	94.0	94.0	94.0
≥ 300	47.5	82.2	84.8	86.8	89.9	90.4	93.0	94.1	94.4	96.0	96.4	96.4	96.6	96.6	96.6	96.6
≥ 200	47.5	82.2	84.8	86.8	90.1	90.6	93.2	94.4	95.0	97.0	97.5	97.6	97.8	98.1	98.1	98.1
≥ 100	47.5	82.2	84.8	86.8	90.1	90.6	93.2	94.4	95.0	97.0	97.6	98.1	98.5	98.8	99.2	99.2
≥ 0	47.5	82.2	84.8	86.8	90.1	90.6	93.2	94.4	95.0	97.0	98.0	98.4	98.8	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]5 69	OTIS AFB MA	68-70,73,76-81	JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	32.1	52.6	53.1	53.4	53.5	53.5	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 20000	32.5	54.5	54.9	55.2	55.4	55.4	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 18000	32.5	54.6	55.0	55.4	55.5	55.5	55.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 16000	32.5	54.6	55.0	55.4	55.5	55.5	55.5	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 14000	34.3	56.4	56.9	57.2	57.3	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 12000	34.9	57.1	57.5	57.8	57.9	57.9	57.9	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 10000	36.3	59.8	60.2	60.5	60.6	60.6	60.6	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 9000	36.5	60.0	60.4	60.8	60.9	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 8000	37.2	61.5	61.9	62.3	62.4	62.4	62.4	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 7000	37.3	62.5	62.9	63.2	63.4	63.5	63.5	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 6000	38.5	64.5	65.0	65.3	65.4	65.5	65.5	65.6	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	39.9	67.6	68.5	68.9	69.0	69.1	69.2	69.3	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5
≥ 4500	40.3	68.6	69.7	70.1	70.2	70.3	70.4	70.5	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	41.3	70.5	71.7	72.0	72.5	72.6	73.0	73.1	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3
≥ 3500	41.9	71.7	72.9	73.2	73.7	73.8	74.4	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3000	43.6	74.8	76.1	76.5	77.3	77.4	77.9	78.1	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3
≥ 2500	44.1	76.3	77.7	78.2	79.0	79.1	79.7	79.8	79.9	79.9	80.0	80.0	80.0	80.0	90.0	80.0
≥ 2000	44.9	78.4	80.0	80.5	81.5	81.6	82.2	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	45.0	78.5	80.2	81.0	81.9	82.1	82.6	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0
≥ 1500	45.3	79.0	80.8	81.7	82.8	82.9	83.6	83.9	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1
≥ 1200	45.4	79.7	81.5	82.9	84.1	84.2	85.2	85.5	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1000	45.5	79.8	81.8	83.2	84.4	84.5	85.5	85.8	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2
≥ 900	45.6	80.4	82.5	84.1	85.3	85.4	86.5	86.8	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1
≥ 800	45.6	80.8	82.9	84.6	85.9	86.2	87.4	87.7	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0
≥ 700	45.7	80.9	83.0	85.0	86.5	86.7	88.0	88.3	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6
≥ 600	45.7	81.0	83.1	85.2	86.7	86.9	88.4	88.9	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3
≥ 500	45.8	81.4	83.7	85.8	87.8	88.1	89.8	90.5	90.9	91.1	91.4	91.4	91.4	91.4	91.7	91.7
≥ 400	45.8	81.4	83.8	85.9	88.3	88.8	91.4	92.4	93.0	93.2	93.4	93.4	93.4	93.4	93.8	93.8
≥ 300	45.8	81.4	83.8	85.9	88.8	89.5	92.3	93.9	94.6	95.1	95.6	95.6	95.8	95.8	96.2	96.2
≥ 200	45.8	81.4	83.8	85.9	88.8	89.6	92.5	94.3	95.0	96.4	97.1	97.1	97.3	97.3	97.8	97.8
≥ 100	45.8	81.4	83.8	85.9	88.8	89.6	92.5	94.3	95.0	96.5	97.5	97.5	97.8	97.8	98.7	99.5
≥ 0	45.8	81.4	83.8	85.9	88.8	89.6	92.5	94.3	95.0	96.5	97.5	97.5	97.8	97.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 923

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72-368 OTIS AFB MA 68-70,73,76-81 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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	36.6	51.2	51.5	51.8	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3
≥ 20000	37.6	52.7	53.0	53.3	53.5	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8
≥ 18000	37.6	52.7	53.0	53.4	53.5	53.6	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 16000	37.6	52.8	53.1	53.4	53.6	53.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9
≥ 14000	39.2	54.5	54.8	55.2	55.3	55.3	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 12000	40.2	55.9	56.2	56.6	56.7	56.7	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 10000	42.4	59.2	59.6	60.0	60.2	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.5
≥ 9000	42.5	59.4	59.8	60.2	60.4	60.4	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	43.9	61.7	62.2	62.6	62.8	62.8	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 7000	44.2	62.7	63.3	63.7	64.0	64.0	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4
≥ 6000	45.1	64.3	64.9	65.3	65.6	65.6	65.8	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.1	66.1
≥ 5000	46.9	67.0	67.8	68.2	68.6	68.7	68.9	69.0	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2
≥ 4500	47.2	67.7	68.6	69.0	69.4	69.5	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.1	70.1
≥ 4000	48.4	69.4	70.4	70.9	71.4	71.6	71.8	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1
≥ 3500	49.2	70.7	71.7	72.2	72.7	72.9	73.2	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5
≥ 3000	50.5	72.8	73.8	74.5	75.1	75.3	75.6	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500	51.7	74.7	75.8	76.5	77.1	77.4	77.7	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.1	78.1
≥ 2000	53.1	77.1	78.5	79.3	80.2	80.4	80.8	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.4	81.4
≥ 1800	53.3	77.3	78.8	79.6	80.5	80.7	81.1	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.7	81.7
≥ 1500	53.5	78.3	79.9	80.8	81.9	82.1	82.7	83.1	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1200	53.8	79.1	80.9	82.0	83.2	83.5	84.2	84.6	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.0
≥ 1000	54.1	79.6	81.4	82.6	83.9	84.3	85.0	85.5	85.7	85.9	85.9	85.9	85.9	85.9	86.0	86.0
≥ 900	54.1	79.8	81.8	83.1	84.4	84.8	85.7	86.2	86.4	86.6	86.7	86.7	86.7	86.7	86.7	86.7
≥ 800	54.2	80.0	82.1	83.4	85.0	85.4	86.5	87.0	87.2	87.5	87.7	87.7	87.7	87.7	87.7	87.7
≥ 700	54.2	80.1	82.3	83.8	85.5	86.0	87.2	87.8	88.0	88.4	88.6	88.6	88.6	88.6	88.6	88.7
≥ 600	54.2	80.2	82.4	83.9	85.9	86.4	87.9	88.6	88.9	89.4	89.6	89.6	89.6	89.6	89.7	89.7
≥ 500	54.2	80.4	82.7	84.3	86.6	87.2	89.1	90.0	90.4	91.0	91.3	91.3	91.4	91.4	91.5	91.5
≥ 400	54.2	80.5	82.8	84.4	87.1	87.8	90.1	91.4	91.8	92.7	93.0	93.1	93.2	93.2	93.3	93.3
≥ 300	54.2	80.5	82.9	84.5	87.4	88.4	91.1	92.8	93.3	94.7	95.3	95.3	95.6	95.6	95.7	95.8
≥ 200	54.2	80.5	82.9	84.6	87.5	88.5	91.3	93.3	94.0	95.8	96.7	96.8	97.4	97.5	97.7	97.8
≥ 100	54.2	80.5	82.9	84.6	87.5	88.5	91.4	93.3	94.0	95.9	97.0	97.2	98.1	98.3	99.0	99.4
≥ 0	54.2	80.5	82.9	84.6	87.5	88.5	91.4	93.3	94.0	96.0	97.1	97.3	98.2	98.4	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7394

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] OTIS AFB MA 68-70,73,76-81 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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	36.5	57.7	58.7	59.5	59.7	59.8	60.2	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.4	60.5
≥ 20000	36.7	58.2	59.1	60.0	60.2	60.3	60.7	60.7	60.7	60.8	60.8	60.8	60.9	60.9	60.9	61.0
≥ 18000	36.7	58.2	59.1	60.0	60.2	60.3	60.7	60.7	60.7	60.8	60.8	60.8	60.9	60.9	60.9	61.0
≥ 16000	36.7	58.2	59.1	60.0	60.2	60.3	60.7	60.7	60.7	60.8	60.8	60.8	60.9	60.9	60.9	61.0
≥ 14000	38.3	59.8	60.9	61.7	62.0	62.1	62.4	62.4	62.4	62.5	62.5	62.5	62.7	62.7	62.7	62.8
≥ 12000	39.3	61.7	62.8	63.6	63.8	64.0	64.3	64.3	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.7
≥ 10000	41.1	64.5	65.7	66.8	67.0	67.1	67.5	67.5	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.8
≥ 9000	41.1	64.8	66.0	67.0	67.3	67.4	67.7	67.7	67.7	67.8	67.8	67.8	68.0	68.0	68.0	68.1
≥ 8000	42.2	66.2	67.4	68.4	68.7	68.8	69.1	69.1	69.1	69.3	69.3	69.3	69.4	69.4	69.4	69.5
≥ 7000	42.3	66.9	68.1	69.1	69.4	69.5	69.8	69.8	69.8	70.0	70.0	70.0	70.2	70.2	70.2	70.3
≥ 6000	43.6	68.6	69.7	70.8	71.0	71.1	71.5	71.5	71.5	71.6	71.6	71.6	71.8	71.8	71.8	72.0
≥ 5000	44.2	69.6	70.8	71.8	72.2	72.3	72.7	72.7	72.7	72.8	72.8	72.8	73.0	73.0	73.0	73.1
≥ 4500	44.2	70.2	71.4	72.4	72.8	72.9	73.3	73.3	73.3	73.4	73.4	73.4	73.6	73.6	73.6	73.7
≥ 4000	44.6	71.1	72.3	73.4	73.7	73.9	74.2	74.2	74.2	74.3	74.3	74.3	74.6	74.6	74.6	74.7
≥ 3500	45.1	72.6	73.7	74.8	75.1	75.3	75.6	75.6	75.6	75.7	75.7	75.7	76.0	76.0	76.0	76.1
≥ 3000	45.5	73.9	75.1	76.2	76.6	76.7	77.0	77.0	77.0	77.1	77.1	77.1	77.4	77.4	77.4	77.5
≥ 2500	45.7	74.1	75.4	76.4	76.8	76.9	77.3	77.3	77.3	77.4	77.4	77.4	77.6	77.6	77.6	77.7
≥ 2000	46.1	75.7	77.3	78.3	79.0	79.2	79.5	79.5	80.0	80.1	80.1	80.1	80.3	80.3	80.3	80.4
≥ 1800	46.2	76.2	77.7	78.8	79.5	79.6	80.0	80.0	80.4	80.6	80.6	80.6	80.8	80.8	80.8	80.9
≥ 1500	46.3	76.9	78.4	79.9	80.6	80.8	81.3	81.3	81.9	82.0	82.0	82.0	82.2	82.2	82.2	82.3
≥ 1200	46.3	77.5	79.0	80.4	81.2	81.4	81.9	81.9	82.4	82.6	82.6	82.6	82.8	82.8	82.8	82.9
≥ 1000	46.4	77.9	79.6	81.0	82.0	82.3	82.9	82.9	83.5	83.6	83.6	83.6	83.9	83.[illegible]	83.9	84.0
≥ 900	46.4	78.1	79.9	81.3	82.2	82.6	83.2	83.4	84.0	84.1	84.1	84.1	84.3	84.[illegible]	84.3	84.5
≥ 800	46.4	78.4	80.2	81.6	82.6	82.9	83.5	83.9	84.5	84.6	84.7	84.7	84.9	84.[illegible]	84.9	85.0
≥ 700	46.5	79.3	81.4	82.8	83.7	84.1	84.7	85.0	85.6	85.7	85.9	85.9	86.1	86.1	86.1	86.2
≥ 600	46.5	79.5	82.0	83.4	84.3	84.9	85.6	86.1	86.7	86.8	86.9	86.9	87.2	87.2	87.2	87.3
≥ 500	46.5	80.1	82.8	84.3	85.7	86.5	87.5	88.7	89.4	89.5	89.8	89.8	90.0	90.0	90.0	90.1
≥ 400	46.9	80.8	83.7	85.4	87.4	88.1	89.5	90.9	91.6	91.8	92.0	92.0	92.2	92.2	92.2	92.3
≥ 300	46.9	81.3	84.2	86.2	88.2	89.0	90.7	92.5	93.6	94.2	94.7	94.7	95.3	95.3	95.3	95.4
≥ 200	46.9	81.3	84.2	86.2	88.2	89.0	90.9	92.8	94.2	95.5	96.3	96.3	96.9	96.9	97.1	97.3
≥ 100	46.9	81.3	84.2	86.2	88.2	89.0	90.9	92.8	94.2	95.9	97.1	97.1	98.6	98.7	99.5	100.0
≥ 0	46.9	81.3	84.2	86.2	88.2	89.0	90.9	92.8	94.2	95.9	97.1	97.1	98.6	98.7	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 849

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
725063	OTIS AFB MA	68-70,73,76-81	FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.1	54.9	56.3	57.1	57.3	57.6	58.0	58.3	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.9
≥ 20000	34.1	55.0	56.6	57.4	57.5	57.9	58.2	58.6	58.6	58.7	58.8	58.8	58.8	58.8	58.8	59.1
≥ 18000	34.1	55.0	56.6	57.4	57.5	57.9	58.2	58.6	58.6	58.7	58.8	58.8	58.8	58.8	58.8	59.1
≥ 16000	34.1	55.0	56.6	57.4	57.5	57.9	58.2	58.6	58.6	58.7	58.8	58.8	58.8	58.8	58.8	59.1
≥ 14000	34.7	56.3	58.0	58.8	58.9	59.3	59.6	60.0	60.0	60.1	60.2	60.2	60.2	60.2	60.2	60.6
≥ 12000	34.7	56.9	58.6	59.4	59.5	59.9	60.2	60.6	60.6	60.7	60.8	60.8	60.8	60.8	60.8	61.2
≥ 10000	36.4	59.3	61.2	62.3	62.5	62.8	63.2	63.5	63.5	63.6	63.8	63.8	63.8	63.8	63.8	64.1
≥ 9000	36.4	59.3	61.2	62.3	62.5	62.8	63.2	63.5	63.5	63.6	63.8	63.8	63.8	63.8	63.8	64.1
≥ 8000	37.8	61.3	63.2	64.3	64.5	64.8	65.3	65.6	65.6	65.8	65.9	65.9	65.9	65.9	65.9	66.2
≥ 7000	38.5	62.2	64.1	65.3	65.4	65.8	66.2	66.6	66.7	66.8	66.9	66.9	66.9	66.9	66.9	67.3
≥ 6000	39.7	65.3	67.3	68.5	68.6	68.9	69.4	69.8	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.5
≥ 5000	40.0	66.4	68.8	70.1	70.2	70.6	71.1	71.4	71.5	71.7	71.9	71.9	71.9	71.9	71.9	72.3
≥ 4500	40.1	66.7	69.3	70.6	70.7	71.1	71.5	71.9	72.0	72.1	72.4	72.4	72.4	72.4	72.4	72.7
≥ 4000	40.6	67.8	70.4	71.7	71.8	72.1	72.6	73.0	73.1	73.2	73.4	73.4	73.4	73.4	73.4	73.8
≥ 3500	41.3	68.5	71.3	72.6	72.7	73.1	73.6	73.9	74.0	74.1	74.4	74.4	74.4	74.4	74.4	74.7
≥ 3000	42.0	70.6	73.8	75.1	75.3	75.7	76.2	76.5	76.6	76.9	77.1	77.1	77.1	77.1	77.1	77.4
≥ 2500	42.0	71.3	74.6	75.9	76.2	76.5	77.0	77.3	77.4	77.7	77.9	77.9	77.9	77.9	77.9	78.3
≥ 2000	42.4	73.6	77.1	78.5	79.3	79.7	80.3	80.6	80.8	81.3	81.6	81.6	81.6	81.6	81.6	81.9
≥ 1800	42.4	74.0	77.6	79.0	79.8	80.2	81.0	81.3	81.5	82.1	82.3	82.3	82.3	82.3	82.3	82.6
≥ 1500	42.4	75.4	79.1	80.5	81.3	81.7	82.5	82.9	83.1	83.7	83.9	83.9	83.9	83.9	83.9	84.3
≥ 1200	42.5	76.3	80.0	81.5	82.3	82.6	83.5	83.8	84.1	84.8	85.0	85.0	85.0	85.0	85.0	85.4
≥ 1000	42.7	76.7	80.5	81.9	83.0	83.4	84.5	85.0	85.2	86.0	86.2	86.2	86.2	86.2	86.2	86.5
≥ 900	42.7	76.7	80.8	82.2	83.2	83.6	84.8	85.2	85.5	86.2	86.5	86.5	86.5	86.5	86.5	86.9
≥ 800	42.7	77.1	81.1	82.5	83.6	83.9	85.1	85.7	86.0	86.8	87.4	87.4	87.4	87.4	87.4	87.7
≥ 700	42.7	77.1	81.3	83.0	84.3	84.8	86.1	86.7	86.9	87.7	88.3	88.3	88.3	88.3	88.3	88.7
≥ 600	42.7	77.3	81.8	83.8	85.6	86.1	87.6	88.3	88.5	89.4	90.0	90.0	90.0	90.0	90.0	90.3
≥ 500	42.7	77.6	82.1	84.1	86.2	87.4	89.4	90.4	90.8	91.6	92.2	92.3	92.3	92.3	92.3	92.7
≥ 400	42.7	77.8	82.4	84.7	86.9	88.3	90.3	91.6	92.1	93.3	93.9	94.0	94.0	94.0	94.0	94.3
≥ 300	42.7	78.0	82.6	85.0	87.5	88.9	91.0	92.3	92.9	94.2	94.9	95.0	95.2	95.2	95.2	95.5
≥ 200	42.7	78.0	82.6	85.0	87.7	89.1	91.6	93.2	93.9	95.5	96.3	96.5	96.6	96.6	96.6	96.9
≥ 100	42.7	78.0	82.6	85.0	87.7	89.1	91.6	93.2	94.0	96.2	97.3	97.4	98.6	98.6	98.8	99.2
≥ 0	42.7	78.0	82.6	85.0	87.7	89.1	91.6	93.2	94.0	96.2	97.3	97.4	98.6	98.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 847

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]68	OTIS AFB MA	68-70,73,76-81	FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	36.6	47.9	49.5	50.1	50.6	51.0	51.0	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.6
≥ 20000	37.6	49.1	50.6	51.2	51.8	52.2	52.2	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.8
≥ 18000	37.6	49.1	50.6	51.2	51.8	52.2	52.2	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.8
≥ 16000	37.6	49.2	50.8	51.4	51.9	52.3	52.3	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.9
≥ 14000	39.1	50.9	52.4	53.1	53.7	54.1	54.1	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.7
≥ 12000	39.1	51.8	53.5	54.2	54.9	55.2	55.2	55.2	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.8
≥ 10000	42.0	56.4	58.5	59.2	60.2	60.5	60.5	60.5	60.7	60.8	60.8	60.8	60.8	60.8	60.8	61.1
≥ 9000	42.7	56.7	58.8	59.5	60.4	60.8	60.8	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.4
≥ 8000	42.5	57.5	59.7	60.5	61.7	62.1	62.2	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.8
≥ 7000	42.9	58.4	60.7	61.6	62.8	63.1	63.3	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.8
≥ 6000	43.9	61.0	63.4	64.3	65.5	66.0	66.1	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.7
≥ 5000	45.6	63.6	66.4	67.5	69.1	69.6	69.8	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.4
≥ 4500	45.7	64.0	66.8	67.8	69.5	70.0	70.3	70.3	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.9
≥ 4000	46.4	65.5	68.3	69.4	71.1	71.6	72.0	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.6
≥ 3500	46.6	66.1	69.1	70.2	72.1	72.6	72.9	72.9	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.5
≥ 3000	47.3	67.8	71.0	72.3	74.2	74.7	75.0	75.0	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.7
≥ 2500	47.7	68.7	72.1	73.4	75.9	76.3	76.9	76.9	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.7
≥ 2000	48.4	71.1	74.7	76.0	78.6	79.0	79.7	79.7	79.9	80.3	80.3	80.3	80.3	80.3	80.3	80.7
≥ 1800	48.6	71.5	75.0	76.3	78.9	79.4	80.1	80.2	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.4
≥ 1500	49.2	72.8	76.6	78.0	80.8	81.3	82.2	82.3	82.4	83.2	83.2	83.2	83.2	83.2	83.2	83.5
≥ 1200	49.2	73.6	77.4	78.8	81.7	82.2	83.3	83.4	83.5	84.2	84.2	84.2	84.2	84.2	84.2	84.6
≥ 1000	49.2	73.6	77.4	78.9	82.1	82.6	83.7	84.0	84.1	84.8	84.9	85.0	85.0	85.0	85.0	85.4
≥ 900	49.2	73.6	77.4	78.9	82.3	82.8	84.0	84.5	84.6	85.4	85.6	85.7	85.7	85.7	85.7	86.1
≥ 800	49.2	73.6	77.5	79.0	82.4	82.9	84.2	84.8	84.9	86.0	86.2	86.3	86.3	86.3	86.6	86.9
≥ 700	49.2	73.6	77.5	79.2	82.8	83.3	84.8	85.6	85.7	86.9	87.4	87.5	87.5	87.5	87.8	88.1
≥ 600	49.2	73.7	78.0	79.7	83.5	84.1	85.7	86.7	87.0	88.2	89.0	89.2	89.2	89.2	89.4	89.8
≥ 500	49.2	74.0	78.2	80.0	84.5	85.6	87.9	89.3	89.9	91.4	92.2	92.5	92.7	92.7	92.9	93.3
≥ 400	49.2	74.1	78.4	80.2	84.7	86.0	88.2	90.1	90.9	92.6	93.6	93.9	94.1	94.1	94.3	94.7
≥ 300	49.2	74.1	78.4	80.2	84.8	86.3	88.6	91.0	92.2	94.1	95.2	95.4	95.6	95.6	95.9	96.2
≥ 200	49.2	74.1	78.4	80.3	85.0	86.6	88.9	91.6	92.9	95.2	96.3	96.6	97.5	97.5	97.9	98.2
≥ 100	49.2	74.1	78.4	80.3	85.0	86.6	88.9	91.6	92.9	95.4	96.7	96.9	98.4	98.4	99.1	99.4
≥ 0	49.2	74.1	78.4	80.3	85.0	86.6	88.9	91.6	92.9	95.4	96.7	96.9	98.4	98.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 849

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725066 OTIS AFB MA — STATION / STATION NAME
68-70,73,76-81 — 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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	46.2	51.6	51.9	52.8	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 20000	47.8	53.5	53.8	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 18000	47.8	53.5	53.8	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 16000	47.8	53.5	53.8	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 14000	46.9	54.9	55.2	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 12000	49.1	55.7	56.2	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 10000	52.7	60.3	60.8	61.8	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 9000	53.0	60.8	61.2	62.3	62.8	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 8000	53.9	62.5	63.4	64.4	64.9	64.9	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 7000	54.7	63.4	64.2	65.3	65.7	65.7	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 6000	55.9	65.5	66.4	67.5	68.0	68.0	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	57.4	67.6	68.7	69.7	70.4	70.4	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 4500	57.4	67.6	68.7	69.7	70.4	70.6	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	58.2	68.8	70.0	71.4	72.1	72.2	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	58.5	69.3	70.8	72.2	72.9	73.0	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 3000	59.7	70.7	72.2	73.6	74.4	74.6	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 2500	60.9	72.3	73.9	75.7	76.9	77.0	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2000	62.1	74.4	76.0	78.0	79.3	79.4	80.2	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1800	62.2	74.7	76.2	78.2	79.5	79.7	80.7	81.0	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1500	62.4	75.6	77.3	79.3	80.7	80.9	81.9	82.2	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1200	62.5	76.2	78.1	80.4	82.0	82.2	83.2	83.5	83.7	84.1	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1000	62.7	76.6	78.4	80.8	82.6	82.8	83.9	84.5	84.7	85.2	85.3	85.3	85.3	85.3	85.3	85.3
≥ 900	62.7	76.8	78.8	81.2	83.0	83.4	84.5	85.0	85.3	85.7	85.9	86.0	86.2	86.3	86.3	86.3
≥ 800	62.7	76.9	79.0	81.4	83.3	83.7	84.9	85.7	86.0	86.5	86.6	86.7	87.0	87.3	87.3	87.3
≥ 700	62.7	77.1	79.3	81.6	83.6	84.1	85.3	86.2	86.5	86.9	87.0	87.2	87.5	87.8	87.8	87.8
≥ 600	62.7	77.1	79.3	81.7	83.7	84.5	85.9	86.9	87.2	87.6	87.8	87.9	88.3	88.6	88.6	88.6
≥ 500	62.7	77.1	79.4	82.3	84.5	85.4	87.0	88.8	89.4	90.2	90.6	90.7	91.3	91.5	91.5	91.5
≥ 400	62.7	77.1	79.5	82.4	85.2	86.3	88.7	90.9	92.1	93.4	93.9	94.0	94.6	94.8	94.8	94.8
≥ 300	62.7	77.1	79.5	82.6	85.6	86.8	89.5	92.1	93.4	95.2	95.6	95.8	96.3	96.6	96.6	96.6
≥ 200	62.7	77.1	79.5	82.6	85.6	86.8	89.5	92.1	93.4	95.8	96.2	96.3	97.1	97.4	97.4	97.4
≥ 100	62.7	77.1	79.5	82.6	85.6	86.8	89.5	92.1	93.5	96.3	96.9	97.3	98.4	98.7	99.2	99.2
≥ 0	62.7	77.1	79.5	82.6	85.6	86.8	89.5	92.1	93.5	96.3	96.9	97.3	98.4	98.8	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 849

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible] 68	OTIS AFB MA	68-70,73,76-81	FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	47.3	51.9	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7
≥ 20000	48.3	53.8	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000	48.5	53.9	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8
≥ 16000	48.5	53.9	54.5	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8
≥ 14000	50.0	56.0	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0
≥ 12000	50.7	56.8	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8
≥ 10000	53.2	60.0	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1
≥ 9000	53.4	60.3	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	55.1	63.0	63.7	64.0	64.0	64.0	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3
≥ 7000	55.5	63.7	64.4	64.7	64.7	64.7	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.0
≥ 6000	56.0	65.2	66.0	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6
≥ 5000	58.1	67.6	68.6	69.2	69.2	69.2	69.3	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500	58.3	67.8	68.9	69.5	69.5	69.5	69.6	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4000	60.0	70.0	71.1	71.8	71.8	71.8	71.9	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4
≥ 3500	60.3	71.1	72.2	72.9	72.9	72.9	73.0	73.3	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5
≥ 3000	62.1	72.9	73.9	74.6	74.8	74.8	74.9	75.2	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4
≥ 2500	62.7	73.8	75.0	76.1	76.2	76.2	76.3	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9
≥ 2000	63.8	75.7	77.4	78.4	78.7	78.7	78.8	79.1	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800	64.0	76.2	77.8	78.9	79.1	79.1	79.4	79.7	79.8	79.8	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1500	64.5	77.7	79.6	80.8	81.0	81.1	81.4	81.7	81.8	81.8	82.2	82.2	82.3	82.3	82.3	82.3
≥ 1200	64.9	78.4	80.3	81.5	81.7	82.1	82.4	82.9	83.0	83.0	83.4	83.4	83.5	83.5	83.5	83.5
≥ 1000	65.3	79.2	81.1	82.3	82.8	83.1	83.5	84.3	84.9	85.0	85.4	85.4	85.5	85.5	85.5	85.5
≥ 900	65.4	79.4	81.3	82.5	83.1	83.5	83.8	84.7	85.3	85.4	85.7	85.7	85.8	85.8	85.9	85.9
≥ 800	65.4	79.6	81.5	82.9	83.6	84.0	84.3	85.4	86.0	86.2	86.6	86.6	86.7	86.7	86.7	86.7
≥ 700	65.4	79.8	81.7	83.4	84.1	84.4	84.8	85.8	86.4	86.7	87.0	87.0	87.1	87.1	87.1	87.1
≥ 600	65.4	80.1	82.2	83.8	84.7	85.0	85.6	87.1	87.7	88.0	88.4	88.4	88.6	88.7	88.7	88.7
≥ 500	65.4	80.3	82.5	84.4	85.4	85.7	87.1	89.5	90.2	91.2	91.7	91.7	92.1	92.2	92.2	92.2
≥ 400	65.4	80.5	83.1	85.0	86.1	87.0	88.6	91.3	92.1	93.3	93.9	93.9	94.2	94.3	94.3	94.3
≥ 300	65.4	80.5	83.1	85.3	86.4	87.4	89.2	92.3	93.3	95.4	96.0	96.0	96.5	96.6	96.7	96.7
≥ 200	65.4	80.5	83.1	85.3	86.4	87.5	89.3	92.5	93.4	95.8	96.3	96.3	97.4	97.5	97.5	97.6
≥ 100	65.4	80.5	83.1	85.3	86.4	87.5	89.3	92.5	93.5	96.1	97.1	97.1	98.3	98.5	98.8	98.8
≥ 0	65.4	80.5	83.1	85.3	86.4	87.5	89.3	92.5	93.5	96.1	97.2	97.2	98.5	98.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 648

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]	OTIS AFB MA	68-70,73,76-81	FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	47.1	52.6	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 20000	48.1	54.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 18000	48.1	54.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 16000	49.2	54.6	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	55.3
≥ 14000	50.2	57.1	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	57.8
≥ 12000	51.2	58.4	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 10000	53.3	61.3	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 9000	53.3	61.6	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
≥ 8000	56.1	64.9	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 7000	56.3	65.0	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 6000	56.7	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 5000	58.4	68.5	69.7	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
≥ 4500	59.1	69.2	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4000	59.8	70.4	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 3500	60.5	71.3	72.5	72.6	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3000	61.4	72.9	74.2	74.3	74.6	74.6	74.6	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2500	62.1	74.4	75.7	75.9	76.3	76.3	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 2000	62.9	76.5	78.1	78.4	78.8	78.8	79.2	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 1800	63.3	77.1	78.7	79.0	79.4	79.4	80.0	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1500	63.9	78.3	80.2	80.7	81.0	81.0	81.6	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1200	63.9	78.5	80.9	81.4	81.8	81.8	82.4	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1000	64.4	79.2	81.8	82.3	83.1	83.1	83.8	84.3	84.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9
≥ 900	64.4	79.2	82.0	82.4	83.3	83.4	84.2	84.7	84.9	85.1	85.3	85.3	85.3	85.3	85.3	85.3
≥ 800	64.4	79.6	82.3	82.9	83.7	84.0	84.8	85.3	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8
≥ 700	64.4	80.0	82.7	83.3	84.2	84.4	85.6	86.1	86.4	86.9	87.0	87.0	87.0	87.0	87.0	87.0
≥ 600	64.4	80.0	82.8	83.4	84.4	84.9	86.3	87.4	87.7	88.3	88.4	88.4	88.4	88.4	88.4	88.4
≥ 500	64.4	80.3	83.4	84.0	85.0	85.5	87.0	88.6	89.0	90.2	90.6	90.6	90.6	90.6	90.6	90.6
≥ 400	64.4	80.7	84.0	84.6	85.8	86.7	88.8	91.4	92.0	93.4	93.8	93.8	93.9	93.9	94.1	94.1
≥ 300	64.4	80.7	84.0	84.7	86.1	86.9	89.2	92.0	92.7	94.7	95.2	95.2	95.4	95.4	95.8	95.8
≥ 200	64.4	80.7	84.0	84.7	86.3	87.1	89.4	92.2	92.9	95.3	95.9	95.9	96.7	96.8	97.3	97.3
≥ 100	64.4	80.7	84.0	84.7	86.3	87.1	89.4	92.2	92.9	95.5	96.2	96.2	97.4	97.8	98.8	98.8
≥ 0	64.4	80.7	84.0	84.7	86.3	87.1	89.4	92.2	92.9	95.5	96.2	96.2	97.4	97.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 849

AD-A113 716 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
OTIS AFB, FALMOUTH, MASSACHUSETTS. REVISED UNIFORM SUMMARY OF S--ETC(U)
FEB 82
UNCLASSIFIED USAFETAC/DS-82/010 SBI-AD-E850 155 NL

2 of 5
[illegible]

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible] 68	OTIS AFB MA	68-70,73,76-81	FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	37.4	56.0	56.8	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 20000	38.3	57.9	58.7	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
≥ 18000	38.3	58.1	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 16000	38.3	58.1	59.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 14000	40.3	60.1	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 12000	40.4	60.5	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.8
≥ 10000	41.6	63.2	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 9000	41.7	63.3	64.5	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 8000	43.4	65.2	66.5	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 7000	43.4	65.4	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 6000	43.7	66.2	67.6	68.0	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 5000	45.3	68.9	70.4	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 4500	45.3	69.3	70.9	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 4000	46.2	71.5	73.2	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 3500	46.2	71.7	73.5	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3000	47.1	73.1	75.2	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2500	47.2	73.6	75.7	76.5	76.9	77.0	77.0	77.0	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000	47.5	76.9	79.0	79.8	80.2	80.3	80.3	80.3	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8
≥ 1800	47.5	77.5	79.7	80.5	80.9	81.0	81.0	81.0	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1500	48.1	78.4	80.7	81.5	81.8	82.0	82.0	82.0	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1200	48.1	78.8	81.0	81.8	82.2	82.3	82.4	82.4	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1000	48.1	78.9	81.3	82.5	82.9	83.0	83.3	83.4	83.6	84.0	84.1	84.1	84.1	84.1	84.1	84.1
≥ 900	48.1	79.1	81.5	82.8	83.1	83.3	83.5	83.6	83.8	84.2	84.3	84.3	84.3	84.3	84.3	84.3
≥ 800	48.1	79.4	81.8	83.1	83.7	83.8	84.2	84.4	84.8	85.3	85.4	85.4	85.4	85.4	85.4	85.4
≥ 700	48.1	79.8	82.3	83.6	84.2	84.3	84.8	85.0	85.5	86.1	86.2	86.2	86.2	86.2	86.2	86.2
≥ 600	48.1	80.0	82.5	83.8	84.8	84.9	85.4	85.7	86.2	86.8	86.9	86.9	86.9	86.9	86.9	86.9
≥ 500	48.1	80.1	82.7	84.0	85.0	85.1	85.8	87.1	87.7	88.6	88.7	88.7	88.7	88.7	88.7	88.7
≥ 400	48.1	80.3	83.0	84.3	85.8	86.0	87.0	88.8	89.7	90.9	91.2	91.2	91.5	91.5	91.5	91.5
≥ 300	48.1	80.4	83.1	84.6	86.3	86.7	87.9	90.2	91.4	92.6	93.2	93.2	93.6	93.6	93.6	93.6
≥ 200	48.1	80.4	83.1	84.6	86.8	87.4	88.8	91.4	92.7	94.5	95.5	95.5	96.6	96.6	96.6	96.6
≥ 100	48.1	80.4	83.1	84.6	86.8	87.4	88.8	91.4	92.8	94.8	95.9	95.9	97.3	97.3	98.8	98.9
≥ 0	48.1	80.4	83.1	84.6	86.8	87.4	88.8	91.4	92.8	94.8	95.9	96.0	97.4	97.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 848

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725065 OTIS AFB MA 68-70,73,76-81 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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	39.0	59.5	60.2	60.7	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 20000	39.0	60.0	60.7	61.1	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 18000	39.0	60.0	60.7	61.1	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 16000	39.0	60.0	60.7	61.1	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 14000	40.4	61.4	62.2	62.7	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000	40.5	61.8	62.7	63.1	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 10000	42.2	64.2	65.3	65.7	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 9000	42.3	64.3	65.4	65.8	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 8000	43.8	66.3	67.4	67.8	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000	43.8	66.4	67.5	68.0	68.4	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 6000	44.3	68.0	69.0	69.5	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 5000	44.5	69.0	70.4	70.9	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 4500	44.5	69.5	70.9	71.4	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4000	45.6	71.1	72.6	73.0	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 3500	45.6	71.3	72.7	73.1	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 3000	46.2	73.1	74.6	75.1	75.7	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 2500	46.3	74.6	76.0	76.6	77.1	77.1	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2000	46.3	77.3	78.7	79.3	79.9	79.9	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1800	46.9	77.7	79.2	79.7	80.3	80.3	80.6	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1500	47.2	78.4	79.9	80.4	81.0	81.2	81.4	81.6	61.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0
≥ 1200	47.6	79.0	80.4	81.0	81.6	81.9	82.2	82.4	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1000	47.8	79.7	81.2	81.7	82.3	82.6	82.9	83.4	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9
≥ 900	47.8	80.2	81.6	82.3	82.9	83.2	83.5	84.0	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5
≥ 800	47.8	80.2	81.6	82.3	82.9	83.2	83.5	84.0	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5
≥ 700	47.9	80.4	81.9	82.6	83.2	83.4	83.7	84.2	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
≥ 600	47.9	81.4	83.0	83.9	84.6	84.8	85.5	86.0	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5
≥ 500	48.1	81.9	83.6	84.5	85.2	85.9	87.0	87.5	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1
≥ 400	48.1	82.3	84.2	85.2	86.1	86.8	88.3	89.4	90.2	90.5	90.6	90.6	90.6	90.6	90.6	90.6
≥ 300	48.1	82.3	84.2	85.3	86.7	87.5	89.6	91.3	92.3	92.9	93.5	93.5	93.5	93.5	93.5	93.5
≥ 200	48.1	82.4	84.3	85.4	86.9	87.9	90.3	92.2	93.5	94.9	95.9	95.9	96.2	96.3	96.7	96.7
≥ 100	48.1	82.4	84.3	85.4	86.9	87.9	90.3	92.2	93.5	95.3	96.3	96.3	97.3	97.5	98.9	98.9
≥ 0	48.1	82.4	84.3	85.4	86.9	87.9	90.3	92.2	93.5	95.3	96.3	96.3	97.3	97.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]68	OTIS AFB MA	68-70,73,76-81	FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.): ALL

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	40.5	54.0	54.9	55.4	55.7	55.8	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.1
≥ 20000	41.2	55.2	56.1	56.7	56.9	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.3
≥ 18000	41.3	55.3	56.2	56.7	56.9	57.0	57.1	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.4
≥ 16000	41.3	55.3	56.2	56.8	57.0	57.1	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.4
≥ 14000	42.3	57.1	58.0	58.6	58.8	58.9	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.2
≥ 12000	43.2	58.0	58.9	59.5	59.7	59.8	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.2
≥ 10000	45.3	61.2	62.3	63.0	63.3	63.4	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.7
≥ 9000	45.4	61.4	62.5	63.2	63.5	63.6	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.9
≥ 8000	46.9	63.4	64.6	65.3	65.6	65.7	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.1
≥ 7000	47.2	63.9	65.2	65.9	66.2	66.3	66.5	66.5	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.8
≥ 6000	48.0	65.7	67.0	67.7	68.1	68.2	68.4	68.4	68.5	68.5	68.5	68.5	68.6	68.6	68.6	68.7
≥ 5000	49.2	67.6	69.2	70.0	70.5	70.6	70.8	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.1
≥ 4500	49.3	68.0	69.6	70.4	70.9	71.0	71.2	71.3	71.3	71.4	71.4	71.4	71.5	71.5	71.5	71.6
≥ 4000	50.2	69.5	71.2	72.0	72.5	72.7	72.9	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.2
≥ 3500	50.6	70.2	72.0	72.8	73.3	73.5	73.7	73.8	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.1
≥ 3000	51.4	71.9	73.8	74.7	75.2	75.4	75.6	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9	76.0
≥ 2500	51.7	72.8	74.8	75.8	76.5	76.7	77.0	77.0	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.4
≥ 2000	52.5	75.2	77.3	78.3	79.2	79.4	79.8	79.9	80.1	80.3	80.3	80.3	80.4	80.4	80.4	80.5
≥ 1800	52.6	75.6	77.7	78.8	79.7	79.8	80.3	80.5	80.7	80.9	81.0	81.0	81.1	81.1	81.1	81.2
≥ 1500	53.0	76.7	79.0	80.1	81.0	81.2	81.8	82.0	82.2	82.4	82.5	82.5	82.6	82.6	82.6	82.7
≥ 1200	53.1	77.3	79.7	80.9	81.8	82.1	82.7	82.9	83.1	83.4	83.5	83.5	83.5	83.5	83.5	83.6
≥ 1000	53.3	77.7	80.2	81.4	82.6	82.9	83.6	84.0	84.3	84.6	84.8	84.8	84.8	84.8	84.8	84.9
≥ 900	53.4	77.9	80.4	81.7	82.9	83.2	83.9	84.4	84.7	85.1	85.2	85.3	85.3	85.4	85.4	85.5
≥ 800	53.4	78.1	80.6	82.0	83.2	83.6	84.3	84.9	85.2	85.7	85.9	85.9	86.0	86.0	86.1	86.2
≥ 700	53.4	78.4	81.0	82.4	83.8	84.1	85.0	85.6	86.0	86.4	86.7	86.7	86.8	86.8	86.9	87.0
≥ 600	53.4	78.6	81.4	83.0	84.5	84.9	86.0	86.8	87.2	87.7	88.0	88.0	88.1	88.2	88.2	88.3
≥ 500	53.4	78.9	81.8	83.4	85.2	85.9	87.4	88.7	89.3	90.1	90.5	90.5	90.7	90.8	90.8	90.9
≥ 400	53.4	79.2	82.3	84.0	86.0	86.9	88.7	90.6	91.4	92.4	92.8	92.9	93.1	93.2	93.2	93.3
≥ 300	53.4	79.3	82.4	84.2	86.5	87.4	89.5	91.7	92.7	94.2	94.8	94.8	95.2	95.2	95.3	95.4
≥ 200	53.4	79.3	82.4	84.2	86.6	87.7	89.8	92.2	93.4	95.3	96.1	96.2	96.9	97.0	97.1	97.3
≥ 100	53.4	79.3	82.4	84.2	86.6	87.7	89.8	92.2	93.4	95.7	96.7	96.8	98.0	98.2	99.0	99.2
≥ 0	53.4	79.3	82.4	84.2	86.6	87.7	89.8	92.2	93.4	95.7	96.7	96.8	98.1	98.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 6787

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725065 — STATION
OTIS AFB MA — STATION NAME
68-70,73,76-81 — YEARS
MAR — MONTH
0000-0200 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	31.2	49.0	49.8	49.8	50.1	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.5	50.5	50.5	51.0
≥ 20000	31.3	49.3	50.2	50.2	50.4	50.5	50.7	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9	51.5
≥ 18000	31.3	49.4	50.3	50.3	50.5	50.6	50.8	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.6
≥ 16000	31.3	49.4	50.3	50.3	50.5	50.6	50.8	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.6
≥ 14000	31.5	49.8	50.7	50.7	50.9	51.0	51.2	51.3	51.3	51.3	51.3	51.3	51.5	51.5	51.5	52.0
≥ 12000	31.5	49.9	50.8	50.8	51.0	51.1	51.3	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6	52.1
≥ 10000	34.2	53.0	54.0	54.0	54.3	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	55.3
≥ 9000	34.3	53.2	54.3	54.3	54.5	54.6	54.8	54.9	54.9	54.9	54.9	54.9	55.0	55.0	55.0	55.5
≥ 8000	35.1	54.9	56.0	56.0	56.2	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	57.3
≥ 7000	36.0	56.8	58.0	58.0	58.2	58.3	58.6	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8	59.3
≥ 6000	37.5	58.9	60.1	60.1	60.6	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.7
≥ 5000	39.3	61.2	62.4	62.5	63.1	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.6	63.6	63.6	64.2
≥ 4500	39.7	61.7	62.9	63.1	63.6	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.2	64.2	64.2	64.7
≥ 4000	41.1	63.7	64.9	65.1	65.7	66.0	66.2	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	67.0
≥ 3500	42.2	65.6	66.7	67.1	67.7	68.0	68.4	68.5	68.5	68.5	68.5	68.5	68.6	68.6	68.6	69.1
≥ 3000	43.3	67.2	68.4	68.7	69.5	69.9	70.2	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.9
≥ 2500	44.9	70.0	71.2	71.5	72.4	72.9	73.2	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	74.0
≥ 2000	45.4	71.2	72.6	73.1	74.5	74.9	75.3	75.5	75.5	75.5	75.5	75.5	75.6	75.6	75.6	76.1
≥ 1800	45.6	71.7	73.1	73.6	75.1	75.6	76.0	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.7
≥ 1500	45.6	72.2	73.8	74.4	76.0	76.4	77.0	77.1	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.7
≥ 1200	46.0	73.2	74.9	75.6	77.3	77.7	78.3	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5	79.0
≥ 1000	46.0	73.4	75.2	76.0	78.3	78.7	79.2	79.4	79.4	79.5	79.5	79.5	79.7	79.7	79.7	80.2
≥ 900	46.4	74.1	75.9	76.7	79.1	79.5	80.1	80.3	80.3	80.4	80.4	80.4	80.5	80.5	80.5	81.1
≥ 800	46.5	74.4	76.2	77.1	79.8	80.3	80.8	81.1	81.1	81.2	81.2	81.2	81.3	81.3	81.3	81.9
≥ 700	46.5	74.7	76.5	77.4	80.4	80.9	81.8	82.3	82.3	82.5	82.5	82.5	82.6	82.6	82.6	83.1
≥ 600	46.5	74.9	76.9	77.9	81.7	82.2	83.2	83.7	83.9	84.0	84.0	84.0	84.1	84.1	84.1	84.6
≥ 500	46.6	75.6	77.7	78.9	84.2	84.7	86.1	86.9	87.0	87.2	87.3	87.3	87.5	87.5	87.5	88.1
≥ 400	46.6	75.6	77.8	79.2	84.7	85.4	87.7	88.8	88.9	89.2	89.3	89.3	89.6	89.6	89.6	90.1
≥ 300	46.6	75.6	77.8	79.3	85.3	85.9	88.4	89.7	90.0	90.4	90.9	90.9	91.3	91.3	91.3	91.8
≥ 200	46.6	75.6	77.8	79.4	85.6	86.2	88.8	90.4	90.9	91.7	92.5	92.6	93.2	93.2	93.3	93.9
≥ 100	46.6	75.7	77.9	79.5	85.8	86.4	89.0	90.9	91.3	92.7	93.9	94.4	95.8	95.9	96.2	97.4
≥ 0	46.6	75.7	77.9	79.5	85.8	86.4	89.0	90.9	91.3	92.7	94.0	94.5	96.0	96.2	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7[illegible]63 — STATION
OTIS AFB MA — STATION NAME
68-70,73,76-81 — YEARS
MAR — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 — HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	28.2	46.2	46.8	47.1	47.5	47.6	47.7	47.8	48.0	48.1	48.1	48.2	48.3	48.3	48.3	48.4
≥ 20000	28.6	46.8	47.5	47.8	48.1	48.2	48.4	48.7	48.9	49.0	49.0	49.1	49.2	49.2	49.2	49.3
≥ 18000	28.6	47.0	47.7	48.0	48.3	48.4	48.7	48.9	49.1	49.2	49.2	49.3	49.4	49.4	49.4	49.5
≥ 16000	28.6	47.0	47.7	48.0	48.3	48.4	48.7	48.9	49.1	49.2	49.2	49.3	49.4	49.4	49.4	49.5
≥ 14000	29.6	48.3	49.1	49.7	50.1	50.2	50.4	50.6	50.8	50.9	50.9	51.0	51.1	51.1	51.1	51.2
≥ 12000	29.7	48.4	49.1	49.8	50.2	50.3	50.5	50.7	50.9	51.0	51.0	51.1	51.2	51.2	51.2	51.3
≥ 10000	33.4	52.5	53.2	53.9	54.4	54.5	54.7	54.9	55.1	55.2	55.2	55.3	55.4	55.4	55.4	55.5
≥ 9000	33.4	52.5	53.4	54.3	54.7	54.8	55.0	55.2	55.4	55.5	55.5	55.7	55.8	55.8	55.8	55.9
≥ 8000	34.6	55.8	56.6	57.5	57.9	58.0	58.2	58.4	58.7	58.8	58.8	58.9	59.0	59.0	59.0	59.1
≥ 7000	35.5	56.8	57.7	58.6	59.0	59.1	59.3	59.5	59.7	59.8	59.8	60.0	60.1	60.1	60.1	60.2
≥ 6000	37.0	59.0	60.0	60.8	61.2	61.4	61.7	61.9	62.1	62.3	62.3	62.4	62.5	62.5	62.5	62.6
≥ 5000	38.6	62.1	63.2	64.0	64.5	64.6	64.9	65.1	65.3	65.6	65.6	65.7	65.8	65.8	65.8	65.9
≥ 4500	38.6	62.6	63.7	64.6	65.0	65.1	65.4	65.7	65.9	66.1	66.1	66.2	66.3	66.3	66.3	66.4
≥ 4000	39.5	64.0	65.1	66.0	66.4	66.5	66.8	67.1	67.3	67.5	67.5	67.6	67.7	67.7	67.7	67.8
≥ 3500	40.9	65.9	67.2	68.0	68.5	68.6	68.9	69.1	69.3	69.5	69.5	69.6	69.8	69.8	69.8	69.9
≥ 3000	41.7	67.5	68.9	69.8	70.2	70.3	70.6	70.8	71.0	71.3	71.3	71.4	71.5	71.5	71.5	71.6
≥ 2500	43.1	69.8	71.5	72.3	72.8	73.0	73.3	73.5	73.7	74.0	74.0	74.1	74.2	74.2	74.2	74.3
≥ 2000	43.5	71.0	72.9	73.7	74.5	74.7	75.2	75.5	75.7	75.9	75.9	76.0	76.1	76.1	76.1	76.2
≥ 1800	43.9	71.2	73.0	73.8	74.7	74.9	75.6	75.8	76.0	76.2	76.2	76.3	76.4	76.4	76.4	76.5
≥ 1500	43.9	71.5	73.6	74.5	75.6	75.8	76.4	76.6	76.9	77.1	77.1	77.2	77.3	77.3	77.3	77.4
≥ 1200	43.9	71.6	73.7	74.6	75.9	76.2	76.9	77.1	77.4	77.6	77.6	77.7	77.8	77.8	77.8	77.9
≥ 1000	44.0	72.8	74.9	75.8	77.4	77.7	78.4	78.6	78.9	79.1	79.1	79.2	79.3	79.3	79.3	79.4
≥ 900	44.2	73.1	75.2	76.3	77.9	78.4	79.0	79.2	79.5	79.8	79.8	79.9	80.0	80.0	80.0	80.1
≥ 800	44.2	73.3	75.8	77.0	78.8	79.3	80.0	80.3	80.6	80.8	80.8	80.9	81.1	81.1	81.1	81.2
≥ 700	44.5	73.7	76.2	77.5	79.5	80.1	81.1	81.7	82.0	82.2	82.2	82.3	82.5	82.5	82.5	82.6
≥ 600	44.5	74.2	76.9	78.4	80.5	81.2	82.2	82.9	83.3	83.6	83.6	83.7	83.9	83.9	83.9	84.0
≥ 500	44.5	74.4	77.2	79.0	82.1	82.9	84.6	85.4	86.0	86.5	86.7	86.8	86.9	86.9	86.9	87.0
≥ 400	44.5	74.4	77.6	79.8	83.1	84.1	86.5	87.5	88.2	88.7	88.9	89.0	89.1	89.1	89.1	89.2
≥ 300	44.5	74.4	77.6	79.8	83.5	84.8	87.7	88.9	89.9	90.6	91.0	91.1	91.4	91.4	91.4	91.5
≥ 200	44.6	74.5	77.8	80.0	83.9	85.3	88.2	90.5	91.6	92.6	93.4	93.5	94.7	94.7	94.9	95.0
≥ 100	44.6	74.5	77.8	80.0	83.9	85.3	88.3	90.7	91.8	93.2	94.2	94.5	96.2	96.4	97.2	97.6
≥ 0	44.6	74.5	77.8	80.0	83.9	85.3	88.3	90.7	91.8	93.2	94.2	94.5	96.2	96.6	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725068	OTIS AFB MA	66-70,73,76-81	MAR
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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	33.2	43.0	43.9	44.5	44.6	44.7	44.9	45.1	45.1	45.1	45.1	45.1	45.2	45.2	45.2	45.3
≥ 20000	34.0	44.3	45.2	45.8	45.9	46.2	46.6	46.7	46.7	46.7	46.7	46.7	46.8	46.8	46.8	46.9
≥ 18000	34.1	44.4	45.3	45.9	46.0	46.3	46.7	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9	47.0
≥ 16000	34.1	44.4	45.3	45.9	46.0	46.3	46.7	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9	47.0
≥ 14000	35.6	46.6	47.5	48.4	48.6	49.0	49.4	49.5	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.7
≥ 12000	36.3	47.4	48.4	49.2	49.5	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.4	50.5
≥ 10000	41.4	53.7	54.6	55.5	55.8	56.2	56.6	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.9
≥ 9000	41.5	53.8	54.7	55.6	55.9	56.3	56.7	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9	57.0
≥ 8000	42.9	55.6	56.6	57.4	57.7	58.2	58.5	58.7	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.9
≥ 7000	43.9	56.6	57.5	58.4	58.8	59.2	59.7	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.2
≥ 6000	45.2	58.6	59.8	60.6	61.2	61.6	62.2	62.5	62.5	62.6	62.6	62.6	62.7	62.7	62.7	62.8
≥ 5000	46.8	60.8	62.3	63.2	63.8	64.3	64.8	65.2	65.2	65.3	65.3	65.3	65.5	65.5	65.5	65.6
≥ 4500	47.3	61.6	63.1	64.1	64.7	65.3	65.8	66.2	66.2	66.3	66.3	66.3	66.6	66.6	66.6	66.7
≥ 4000	47.8	62.9	64.5	65.6	66.3	67.0	67.5	68.0	68.0	68.1	68.1	68.1	68.3	68.3	68.3	68.4
≥ 3500	48.6	64.1	65.7	66.8	67.5	68.2	68.7	69.1	69.1	69.2	69.2	69.2	69.5	69.5	69.5	69.6
≥ 3000	49.5	65.4	67.2	68.5	69.4	70.0	70.6	71.1	71.1	71.2	71.2	71.2	71.4	71.4	71.4	71.5
≥ 2500	50.3	67.6	69.9	71.3	72.5	73.1	73.9	74.6	74.6	74.8	74.8	74.8	75.1	75.1	75.1	75.2
≥ 2000	51.6	70.0	72.7	74.2	75.6	76.2	77.0	77.7	77.7	78.0	78.0	78.0	78.2	78.2	78.2	78.3
≥ 1800	51.7	70.1	72.8	74.4	75.8	76.5	77.2	78.0	78.0	78.2	78.2	78.2	78.4	78.4	78.4	78.5
≥ 1500	51.9	71.3	74.1	75.7	77.1	77.7	78.6	79.4	79.4	79.6	79.6	79.6	79.8	79.8	79.8	79.9
≥ 1200	52.0	71.9	74.7	76.3	78.0	78.6	79.7	80.4	80.4	80.8	80.8	80.8	81.0	81.0	81.0	81.1
≥ 1000	52.0	72.3	75.2	76.8	78.4	79.1	80.5	81.3	81.4	81.8	81.8	81.8	82.0	82.0	82.0	82.2
≥ 900	52.0	72.3	75.2	76.9	78.6	79.4	80.8	81.5	81.6	82.0	82.0	82.0	82.3	82.3	82.3	82.4
≥ 800	52.2	72.5	75.5	77.4	79.2	80.2	81.8	82.6	82.7	83.2	83.2	83.2	83.4	83.4	83.4	83.5
≥ 700	52.2	72.6	75.6	77.7	79.8	80.8	82.4	83.2	83.4	84.1	84.1	84.1	84.3	84.3	84.3	84.4
≥ 600	52.2	72.9	75.9	78.1	80.2	81.5	83.1	84.1	84.5	85.2	85.2	85.2	85.4	85.4	85.4	85.5
≥ 500	52.4	73.2	76.3	79.0	81.2	82.8	85.1	86.2	86.7	87.4	87.5	87.7	88.0	88.1	88.1	88.2
≥ 400	52.4	73.2	76.6	79.7	82.5	84.2	86.8	88.4	89.1	90.2	90.3	90.5	90.8	90.9	90.9	91.0
≥ 300	52.4	73.2	76.6	79.7	82.5	84.5	87.3	89.7	90.5	92.2	92.5	92.8	93.0	93.1	93.1	93.2
≥ 200	52.4	73.2	76.6	79.7	82.5	84.5	87.4	89.9	91.1	92.8	93.3	93.8	94.4	94.6	94.7	94.8
≥ 100	52.4	73.2	76.6	79.7	82.5	84.5	87.5	90.0	91.3	93.2	94.0	94.6	95.3	95.5	96.7	98.0
≥ 0	52.4	73.2	76.6	79.7	82.5	84.5	87.5	90.0	91.3	93.2	94.0	94.6	95.3	95.5	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible] 68	OTIS AFB MA	68-70,73,76-81	MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	37.[illegible]	43.0	43.5	43.7	43.9	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
≥ 20000	38.8	45.9	46.6	46.7	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 18000	39.0	46.1	46.8	46.9	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 16000	39.7	46.1	46.6	46.9	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 14000	41.[illegible]	49.4	49.0	49.1	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 12000	43.0	50.5	51.2	51.3	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 10000	46.6	54.9	55.6	55.9	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 9000	47.1	55.5	56.1	56.5	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 8000	49.4	58.5	59.1	59.5	59.7	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 7000	50.9	60.0	60.6	61.0	61.3	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 6000	52.4	61.7	62.6	62.9	63.4	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 5000	54.[illegible]	63.9	64.7	65.1	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 4500	54.3	64.4	65.3	65.6	66.2	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000	55.6	66.2	67.2	67.6	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 3500	56.[illegible]	67.1	68.1	68.5	69.2	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 3000	58.8	70.3	71.5	71.9	72.7	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2500	60.0	72.6	73.9	74.4	75.2	75.3	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 2000	60.9	74.9	76.3	76.9	77.8	78.1	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 1800	60.9	74.9	76.3	76.9	77.8	78.1	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 1500	61.2	76.1	77.5	78.1	79.0	79.2	80.0	80.3	80.3	80.3	80.3	80.3	80.3	90.3	80.3	80.3
≥ 1200	61.2	77.4	79.0	79.7	81.0	81.2	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1000	61.5	78.0	79.8	80.4	81.9	82.2	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 900	61.6	78.3	80.2	80.9	82.4	82.7	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 800	61.6	78.6	80.5	81.2	82.8	83.2	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 700	61.6	78.9	81.0	82.3	84.0	84.4	85.4	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 600	61.6	79.0	81.2	82.7	84.6	85.3	86.2	87.1	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4
≥ 500	61.6	79.0	81.4	82.9	85.3	86.0	87.1	88.4	88.8	89.0	89.1	89.4	89.6	89.7	89.7	89.8
≥ 400	61.6	79.2	81.6	83.3	85.7	86.6	88.1	89.8	90.9	91.3	91.4	91.6	91.8	91.9	91.9	92.0
≥ 300	61.6	79.2	81.6	83.3	85.8	86.8	88.5	90.9	91.9	92.7	92.8	93.1	93.7	93.8	93.8	93.9
≥ 200	61.6	79.2	81.6	83.3	86.0	87.0	88.7	91.5	92.7	93.9	94.5	94.9	96.0	96.1	96.1	96.2
≥ 100	61.6	79.2	81.6	83.3	86.0	87.0	88.7	91.5	92.8	94.1	95.1	95.5	97.4	98.0	98.3	98.9
≥ 0	61.6	79.2	81.6	83.3	86.0	87.0	88.7	91.5	92.8	94.1	95.1	95.5	97.4	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725168 STATION | OTIS AFB MA STATION NAME | 65-70,73,76-81 YEARS | MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	40.7	45.5	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 20000	41.9	46.9	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 18000	41.9	47.0	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 16000	41.9	47.0	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 14000	43.3	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
≥ 12000	44.5	50.3	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 10000	47.6	54.1	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 9000	47.7	54.5	55.2	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
≥ 8000	49.6	56.9	57.9	58.1	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 7000	50.3	57.6	58.6	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 6000	51.6	59.2	60.2	60.4	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 5000	53.7	61.5	62.4	62.6	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 4500	54.6	62.4	63.4	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 4000	57.3	65.6	66.6	67.0	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3500	59.3	67.4	68.5	68.8	68.8	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 3000	62.6	72.4	73.6	74.1	74.1	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 2500	63.6	74.6	75.9	76.3	76.4	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 2000	64.9	77.1	78.5	78.9	79.2	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 1800	65.1	77.4	78.8	79.2	79.7	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 1500	65.4	78.9	80.7	81.2	81.7	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1200	65.6	79.5	81.4	81.8	82.5	83.1	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1000	65.6	80.2	82.1	82.7	83.4	84.2	84.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 900	65.6	80.4	82.5	83.0	83.7	84.5	85.0	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 800	65.6	80.7	82.8	83.6	84.5	85.3	85.8	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 700	65.6	80.9	83.2	84.3	85.1	85.9	86.4	86.7	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0
≥ 600	65.6	81.3	83.7	85.3	86.7	87.4	87.9	88.3	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6
≥ 500	65.6	81.5	84.1	85.7	87.5	88.4	89.0	89.3	89.6	89.7	90.2	90.4	90.5	90.6	90.6	90.7
≥ 400	65.6	81.6	84.3	86.0	88.2	89.2	91.0	92.1	92.4	92.6	93.1	93.3	93.4	93.5	93.5	93.6
≥ 300	65.6	81.7	84.4	86.2	88.6	90.0	92.1	93.6	93.9	94.4	95.3	95.7	95.9	96.1	96.1	96.3
≥ 200	65.6	81.7	84.4	86.3	88.7	90.1	92.2	93.9	94.1	95.3	96.3	96.9	97.3	97.6	97.6	98.0
≥ 100	65.6	81.8	84.5	86.4	88.8	90.2	92.4	94.0	94.2	95.5	97.0	97.5	98.5	98.8	99.6	99.9
≥ 0	65.6	81.8	84.5	86.4	88.8	90.2	92.4	94.0	94.2	95.5	97.0	97.5	98.5	98.8	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 68 — OTIS AFB MA — 68-70,73,76-81 — MAR
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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	39.2	46.2	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	41.4	46.6	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 18000	41.4	46.6	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 16000	41.4	46.6	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
≥ 14000	42.9	50.5	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 12000	43.7	51.6	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 10000	46.0	54.7	55.6	55.6	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 9000	46.2	54.9	55.9	55.9	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 8000	48.4	58.1	59.1	59.2	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 7000	48.7	58.4	59.5	59.8	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 6000	50.0	59.7	60.8	61.2	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 5000	52.[illegible]	62.3	63.4	64.0	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 4500	53.1	63.3	64.5	65.1	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 4000	55.6	66.3	67.7	68.3	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 3500	57.3	69.3	69.8	70.4	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 3000	58.2	71.8	73.3	74.0	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 2500	61.3	74.5	76.1	77.0	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000	61.8	76.7	78.5	79.5	80.3	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 1800	62.0	77.1	78.9	79.9	80.8	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1500	62.6	78.0	80.0	81.0	81.8	82.3	82.3	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1200	62.8	78.5	80.6	81.6	82.7	83.1	83.2	83.4	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1000	62.9	78.8	81.0	82.0	83.2	84.0	84.2	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 900	62.9	79.1	81.5	82.6	83.8	84.5	84.7	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	63.0	80.0	82.6	83.7	84.8	85.8	86.1	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 700	63.1	80.3	83.0	84.4	85.6	86.8	87.1	87.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
≥ 600	63.1	80.3	83.4	84.9	86.2	87.4	87.7	88.5	88.8	89.0	89.1	89.2	89.2	89.2	89.4	89.4
≥ 500	63.1	80.5	83.8	85.6	87.0	88.2	88.8	90.0	90.4	90.6	90.9	91.0	91.1	91.1	91.3	91.3
≥ 400	63.1	80.8	84.1	86.0	87.6	88.9	89.6	91.1	91.5	91.9	92.2	92.3	92.4	92.4	92.7	92.7
≥ 300	63.1	80.9	84.2	86.1	88.2	89.7	90.4	92.2	92.7	93.3	93.8	93.9	94.0	94.1	94.4	94.4
≥ 200	63.1	80.9	84.2	86.2	88.4	90.0	90.8	93.0	94.1	95.1	95.8	95.9	96.6	96.7	97.1	97.1
≥ 100	63.1	80.9	84.2	86.2	88.4	90.0	90.8	93.4	94.6	95.7	96.8	96.9	98.2	98.3	99.5	99.7
≥ 0	63.1	80.9	84.2	86.2	88.4	90.0	90.8	93.4	94.6	95.7	96.8	96.9	98.2	98.3	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
725060	OTIS AFB MA	68-70,73,76-81	MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	35.4	45.5	49.1	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
≥ 20000	36.6	50.7	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 18000	36.6	50.7	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	36.6	50.7	51.2	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	37.7	52.5	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 12000	38.3	53.6	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 10000	39.5	56.1	56.8	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 9000	39.7	56.8	57.6	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 8000	41.6	59.2	60.1	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 7000	41.9	59.7	60.7	60.7	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 6000	42.5	61.4	62.3	62.3	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 5000	44.6	64.5	65.4	65.6	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 4500	44.9	64.9	66.1	56.2	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 4000	46.4	67.8	69.2	69.3	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 3500	47.3	69.1	70.5	70.6	71.6	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 3000	49.1	71.4	72.8	72.9	73.8	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500	50.2	73.5	75.0	75.2	76.5	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 2000	50.9	74.8	76.5	77.0	78.4	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1800	51.0	75.1	77.0	77.4	78.8	79.0	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	51.1	75.9	77.7	78.1	79.7	79.9	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 1200	51.2	76.7	78.6	79.1	80.7	80.9	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1000	51.2	77.0	79.0	79.7	81.3	81.5	82.2	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6
≥ 900	51.2	77.0	79.0	79.7	81.3	81.5	82.3	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7
≥ 800	51.2	77.2	79.2	79.9	81.6	81.9	83.2	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7
≥ 700	51.3	77.6	79.9	80.8	83.1	83.5	85.0	85.5	85.6	85.6	85.9	85.9	85.9	85.9	85.9	85.9
≥ 600	51.5	78.3	80.6	81.8	84.4	84.9	86.7	87.2	87.6	87.8	88.3	88.4	88.4	88.4	88.4	88.4
≥ 500	51.5	78.5	81.2	82.3	85.4	86.0	87.9	88.5	89.0	89.2	89.9	90.0	90.0	90.0	90.0	90.0
≥ 400	51.5	78.9	81.6	82.9	86.1	86.9	88.8	89.7	90.4	90.6	91.3	91.4	91.4	91.4	91.4	91.4
≥ 300	51.5	78.9	81.6	83.0	86.3	87.1	89.3	90.4	91.3	91.6	92.2	92.4	92.4	92.4	92.4	92.4
≥ 200	51.5	78.9	81.8	83.3	86.8	87.5	89.9	91.6	92.9	93.8	94.5	94.6	94.8	94.8	95.0	95.0
≥ 100	51.5	78.9	81.8	83.3	86.8	87.5	89.9	91.6	92.9	94.0	95.5	95.6	97.1	97.1	98.0	98.3
≥ 0	51.5	78.9	81.8	83.3	86.8	87.5	89.9	91.6	92.9	94.0	95.5	95.6	97.1	97.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

66 OTIS AFB MA 68-70,73,76-81 MAR
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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.0	51.2	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.8	51.8	51.8
≥ 20000	34.3	51.9	52.1	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6	52.6	52.6
≥ 18000	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 16000	34.3	52.1	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	52.9	52.9	52.9
≥ 14000	35.3	53.2	53.4	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9	53.9	53.9
≥ 12000	35.4	53.6	53.8	54.1	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4
≥ 10000	36.7	56.3	56.8	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4
≥ 9000	37.1	57.3	57.8	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3
≥ 8000	38.6	60.2	60.7	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2
≥ 7000	38.9	60.9	61.5	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1
≥ 6000	39.9	62.2	62.9	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.5	63.5	63.5	63.5
≥ 5000	41.7	65.2	65.9	66.4	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8
≥ 4500	41.7	65.7	66.3	66.8	67.1	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.5
≥ 4000	43.7	68.7	69.3	69.9	70.1	70.1	70.3	70.3	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5
≥ 3500	43.7	69.3	70.1	70.6	70.9	70.9	71.2	71.2	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4
≥ 3000	45.5	71.6	72.6	73.1	73.4	73.4	73.6	73.6	73.7	73.8	73.8	73.8	74.0	74.0	74.0	74.0
≥ 2500	46.4	73.2	74.3	75.0	75.3	75.3	75.6	75.7	75.8	75.9	75.9	75.9	76.0	76.0	76.0	76.0
≥ 2000	46.9	74.9	76.2	77.0	77.3	77.3	77.5	77.6	77.8	77.9	77.9	77.9	78.0	78.0	78.0	78.0
≥ 1800	46.9	75.1	76.4	77.2	77.5	77.5	77.7	77.8	78.0	78.1	78.1	78.1	78.3	78.3	78.3	78.3
≥ 1500	47.1	76.0	77.3	78.0	78.7	78.7	79.1	79.2	79.4	79.5	79.5	79.5	79.7	79.7	79.7	79.7
≥ 1200	47.1	76.6	77.9	78.7	79.3	79.4	80.1	80.2	80.4	80.5	80.5	80.5	80.6	80.6	80.6	80.6
≥ 1000	47.3	77.3	78.8	79.7	80.3	80.4	81.1	81.2	81.4	81.5	81.5	81.5	81.6	81.6	81.6	81.6
≥ 900	47.3	77.4	78.9	79.8	80.6	80.8	81.5	81.6	81.8	81.9	81.9	81.9	82.0	82.0	82.0	82.0
≥ 800	47.5	77.7	79.3	80.2	81.5	81.7	82.5	82.6	82.8	82.9	82.9	82.9	83.0	83.0	83.0	83.0
≥ 700	47.5	78.0	79.7	80.8	82.1	82.5	83.3	84.1	84.5	84.8	84.8	84.8	84.9	84.9	84.9	84.9
≥ 600	47.7	78.4	80.0	81.3	83.0	83.4	84.3	85.1	85.6	85.9	85.9	85.9	86.0	86.0	86.0	86.0
≥ 500	47.7	79.0	80.6	81.9	84.1	84.5	85.7	86.7	87.1	87.6	87.6	87.6	87.7	87.7	87.7	87.7
≥ 400	47.7	79.5	81.4	82.9	85.3	85.8	87.3	88.7	89.3	89.9	89.9	89.9	90.0	90.0	90.0	90.0
≥ 300	47.7	79.7	81.7	83.2	85.9	86.4	88.3	89.9	90.6	91.6	92.1	92.1	92.2	92.2	92.2	92.2
≥ 200	47.7	79.7	81.9	83.4	86.1	86.8	89.0	90.9	91.7	92.7	93.3	93.3	93.9	94.1	94.1	94.1
≥ 100	47.7	79.7	81.9	83.4	86.2	86.9	89.1	91.1	92.0	93.5	94.7	94.7	96.3	96.7	97.3	97.5
≥ 0	47.7	79.7	81.9	83.4	86.2	86.9	89.1	91.1	92.0	93.5	94.7	94.7	96.4	96.9	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 929

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

AL CLIMATOLOGY BRANCH
ETAC
EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] OTIS AFB MA 68-70,73,76-81 [illegible]
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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	34.9	45.6	47.2	47.4	47.5	47.5	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8
≥ 20000	35.9	48.1	48.7	48.9	49.0	49.1	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.4
≥ 18000	35.9	48.2	48.8	49.0	49.1	49.2	49.3	49.3	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.5
≥ 16000	35.9	48.2	48.8	49.0	49.1	49.2	49.3	49.3	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.5
≥ 14000	37.1	49.8	50.4	50.7	50.8	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.2	51.2	51.2	51.3
≥ 12000	37.8	50.7	51.4	51.6	51.8	51.9	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2
≥ 10000	40.7	54.4	55.2	55.5	55.7	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.2
≥ 9000	40.9	54.5	55.6	55.9	56.2	56.3	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 8000	42.5	57.4	58.3	58.6	58.9	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.4
≥ 7000	43.2	58.4	59.3	59.6	60.0	60.1	60.2	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.5
≥ 6000	44.5	60.1	61.0	61.4	61.9	62.0	62.2	62.2	62.3	62.3	62.3	62.3	62.4	62.4	62.4	62.5
≥ 5000	45.3	62.7	63.7	64.2	64.6	64.8	64.9	65.0	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.3
≥ 4500	46.9	63.3	64.4	64.9	65.4	65.5	65.7	65.8	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.1
≥ 4000	48.4	65.7	66.8	67.3	67.9	68.1	68.3	68.4	68.4	68.5	68.5	68.5	68.6	68.6	68.6	68.7
≥ 3500	49.4	67.1	68.3	68.9	69.4	69.7	69.9	70.0	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.2
≥ 3000	51.3	69.7	71.0	71.6	72.2	72.5	72.7	72.8	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.1
≥ 2500	52.5	72.0	73.5	74.1	74.9	75.2	75.4	75.6	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.9
≥ 2000	53.2	73.8	75.5	76.3	77.2	77.5	77.8	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.3
≥ 1800	53.3	74.1	75.8	76.6	77.5	77.8	78.2	78.4	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.7
≥ 1500	53.6	75.0	76.9	77.6	78.7	79.0	79.5	79.8	79.8	79.9	79.9	79.9	80.0	80.0	80.0	80.1
≥ 1200	53.7	75.7	77.6	78.4	79.7	80.0	80.6	80.9	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.2
≥ 1000	53.9	76.2	78.3	79.1	80.5	81.0	81.6	81.9	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.3
≥ 900	53.9	76.4	78.5	79.5	80.9	81.4	82.1	82.4	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.8
≥ 800	54.0	76.8	79.0	80.0	81.6	82.2	83.0	83.3	83.5	83.6	83.6	83.6	83.7	83.7	83.7	83.8
≥ 700	54.0	77.1	79.4	80.7	82.5	83.1	84.1	84.6	84.8	85.0	85.0	85.1	85.1	85.1	85.1	85.2
≥ 600	54.1	77.4	79.8	81.3	83.4	84.2	85.2	85.9	86.2	86.4	86.5	86.5	86.6	86.6	86.6	86.7
≥ 500	54.1	77.7	80.3	81.9	84.6	85.4	86.8	87.7	88.1	88.4	88.6	88.8	88.9	88.9	89.0	89.1
≥ 400	54.1	77.9	80.6	82.5	85.4	86.4	88.2	89.5	90.1	90.6	90.8	90.9	91.1	91.1	91.1	91.3
≥ 300	54.1	77.9	80.7	82.6	85.8	86.9	89.0	90.7	91.4	92.1	92.6	92.7	93.0	93.0	93.1	93.2
≥ 200	54.1	78.0	80.8	82.7	86.0	87.2	89.4	91.5	92.4	93.5	94.2	94.4	95.1	95.2	95.4	95.5
≥ 100	54.1	78.0	80.8	82.7	86.0	87.2	89.5	91.6	92.6	94.0	95.1	95.5	96.9	97.1	97.8	98.4
≥ 0	54.1	78.0	80.8	82.7	86.0	87.2	89.5	91.6	92.6	94.0	95.1	95.5	96.9	97.2	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7435

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

65 — STATION
OTIS AFB MA — STATION NAME
68-70,73,76-81 — YEARS
APR — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200 — HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	35.3	55.3	56.1	56.4	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.2
≥ 20000	35.4	56.6	57.3	57.7	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.6
≥ 18000	35.4	56.6	57.3	57.7	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.6
≥ 16000	35.4	56.6	57.3	57.7	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.4	58.6
≥ 14000	36.3	58.1	58.7	59.2	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.3	59.8	59.8	60.1
≥ 12000	36.3	58.3	59.0	59.4	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.3
≥ 10000	37.5	60.2	60.9	61.4	61.8	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.3
≥ 9000	37.6	60.3	61.0	61.5	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.4
≥ 8000	37.8	62.7	63.7	64.3	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.9	65.0	65.0	65.0	65.2
≥ 7000	39.2	63.6	64.7	65.3	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.3
≥ 6000	39.8	64.7	65.9	66.4	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.4
≥ 5000	42.1	67.6	68.7	69.6	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.6
≥ 4500	42.3	67.9	69.0	69.9	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7	70.7	71.0
≥ 4000	43.2	69.4	70.6	71.5	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.6
≥ 3500	43.2	70.3	71.5	72.4	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.6
≥ 3000	44.4	72.1	73.3	74.2	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.4
≥ 2500	44.4	72.9	74.1	75.0	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.3
≥ 2000	44.4	73.5	74.7	75.6	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	77.1
≥ 1800	44.4	73.5	74.7	75.6	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.9	76.9	76.9	77.1
≥ 1500	45.1	74.5	75.8	76.6	77.6	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.3
≥ 1200	45.6	75.3	76.5	77.4	78.4	78.6	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.2
≥ 1000	46.1	76.4	78.0	78.9	79.9	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.6
≥ 900	46.1	76.4	78.1	79.3	80.3	80.5	80.8	80.8	80.8	80.8	80.9	80.8	80.9	80.9	80.9	81.1
≥ 800	46.2	76.8	78.9	80.1	81.3	81.5	81.8	81.8	81.8	81.8	81.8	81.6	81.9	81.9	81.9	82.1
≥ 700	46.2	77.1	79.3	80.5	81.9	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.6
≥ 600	46.2	77.4	80.0	81.2	82.6	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.4
≥ 500	46.2	77.8	80.5	81.9	84.2	84.5	84.9	85.0	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.4
≥ 400	46.3	79.1	82.1	83.5	86.2	86.9	87.3	87.5	87.8	87.8	87.9	87.9	88.0	88.0	88.0	88.2
≥ 300	46.3	79.1	82.1	83.9	87.0	87.9	88.7	89.5	90.2	90.4	90.7	90.9	91.1	91.1	91.2	91.5
≥ 200	46.3	79.1	82.1	83.9	87.3	88.2	89.7	91.0	91.8	92.4	93.2	93.4	93.9	93.9	94.0	94.3
≥ 100	46.3	79.1	82.1	83.9	87.3	88.3	89.8	91.2	92.0	93.8	94.9	95.1	96.1	96.2	97.3	98.3
≥ 0	46.3	79.1	82.1	83.9	87.3	88.3	89.8	91.2	92.0	93.8	94.9	95.1	96.2	96.3	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 899

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible]68 — STATION
OTIS AFB MA — STATION NAME
68-70,73,76-81 — YEARS
APR — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 — HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	34.7	51.9	52.4	53.6	53.9	53.9	54.0	54.2	54.2	54.3	54.3	54.3	54.4	54.6	54.7	54.8
≥ 20000	35.1	53.2	53.8	54.9	55.3	55.3	55.4	55.8	55.9	55.9	55.9	55.9	56.0	56.1	56.2	56.3
≥ 18000	35.1	53.2	53.8	54.9	55.3	55.3	55.4	55.8	55.8	55.9	55.9	55.9	56.0	56.1	56.2	56.3
≥ 16000	35.1	53.2	53.8	54.9	55.3	55.3	55.4	55.8	55.8	55.9	55.9	55.9	56.0	56.1	56.2	56.3
≥ 14000	36.3	54.7	55.2	56.3	56.8	56.8	56.9	57.2	57.2	57.3	57.3	57.3	57.4	57.6	57.7	57.9
≥ 12000	36.6	55.7	56.2	57.3	57.8	57.8	57.9	58.2	58.2	58.3	58.3	58.3	58.4	58.6	58.7	58.8
≥ 10000	39.1	58.9	59.7	60.8	61.2	61.2	61.4	61.8	61.8	62.1	62.1	62.1	62.2	62.3	62.4	62.6
≥ 9000	39.2	59.3	60.1	61.2	61.7	61.7	61.9	62.2	62.2	62.6	62.6	62.6	62.7	62.8	62.9	63.0
≥ 8000	40.0	61.0	61.9	63.0	63.4	63.4	63.7	64.0	64.0	64.4	64.4	64.4	64.7	64.8	64.9	65.0
≥ 7000	40.9	62.7	63.6	64.7	65.2	65.2	65.4	65.8	65.8	66.2	66.2	66.2	66.4	66.6	66.7	66.8
≥ 6000	41.6	64.2	65.1	66.2	66.8	66.9	67.1	67.4	67.4	67.9	67.9	67.9	68.1	68.2	68.3	68.4
≥ 5000	42.6	65.9	66.9	68.2	68.8	68.9	69.1	69.4	69.4	69.9	69.9	69.9	70.1	70.2	70.3	70.4
≥ 4500	43.4	66.9	67.9	69.2	69.8	69.9	70.1	70.4	70.4	71.0	71.0	71.0	71.2	71.3	71.4	71.6
≥ 4000	44.3	68.1	69.1	70.4	71.1	71.2	71.4	71.8	71.8	72.3	72.3	72.3	72.6	72.7	72.8	72.9
≥ 3500	44.6	68.7	69.7	71.0	71.7	71.8	72.0	72.3	72.3	72.9	72.9	72.9	73.1	73.2	73.3	73.4
≥ 3000	45.4	70.7	71.7	73.0	73.7	73.8	74.0	74.3	74.3	74.9	74.9	74.9	75.1	75.2	75.3	75.4
≥ 2500	45.6	71.1	72.1	73.6	74.2	74.3	74.6	74.9	74.9	75.4	75.4	75.4	75.7	75.8	75.9	76.0
≥ 2000	46.2	72.9	73.9	75.6	76.2	76.3	76.6	76.9	76.9	77.4	77.4	77.4	77.7	77.8	77.9	78.0
≥ 1800	46.3	73.3	74.3	76.0	76.7	76.8	77.0	77.3	77.3	77.9	77.9	77.9	78.1	78.2	78.3	78.4
≥ 1500	46.3	73.3	74.4	76.1	76.9	77.0	77.2	77.6	77.6	78.1	78.1	78.1	78.3	78.4	78.6	78.7
≥ 1200	46.3	73.8	75.1	76.8	77.7	77.8	78.1	78.4	78.4	79.0	79.0	79.0	79.2	79.3	79.4	79.6
≥ 1000	46.4	74.3	75.9	77.7	78.7	78.8	79.1	79.4	79.4	80.0	80.0	80.0	80.2	80.3	80.4	80.6
≥ 900	46.4	74.3	76.1	78.0	79.0	79.1	79.4	79.8	79.8	80.3	80.3	80.3	80.6	80.7	80.8	80.9
≥ 800	46.6	74.8	76.7	78.8	79.9	80.0	80.4	80.8	80.8	81.3	81.3	81.3	81.6	81.7	81.8	81.9
≥ 700	46.6	74.9	76.8	78.9	80.0	80.1	80.8	81.2	81.2	81.8	81.8	81.8	82.0	82.1	82.2	82.3
≥ 600	46.6	75.2	77.2	79.3	80.4	80.6	81.3	81.8	81.8	82.3	82.3	82.3	82.6	82.7	82.8	82.9
≥ 500	46.8	76.3	78.6	80.9	82.3	82.7	83.9	84.4	84.4	85.0	85.0	85.0	85.2	85.3	85.4	85.6
≥ 400	46.8	76.7	79.0	81.4	83.3	83.9	86.0	86.8	86.8	87.7	87.7	87.7	87.9	88.0	88.1	88.2
≥ 300	46.8	76.8	79.2	81.9	84.6	85.3	88.2	89.9	90.1	91.0	91.1	91.1	91.3	91.7	91.8	92.0
≥ 200	46.8	76.9	79.7	82.3	85.1	85.9	89.0	90.8	91.4	92.8	93.2	93.2	93.8	94.1	94.2	94.6
≥ 100	46.8	76.9	79.7	82.3	85.2	86.0	89.1	91.1	91.8	93.3	94.0	94.0	95.8	96.1	97.0	98.3
≥ 0	46.8	76.9	79.7	82.3	85.2	86.0	89.1	91.1	91.8	93.3	94.0	94.0	95.8	96.1	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 68	OTIS AFB MA	66-70,73,76-81	APR
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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.4	50.9	51.8	52.9	53.3	53.3	53.3	53.4	53.6	53.7	53.7	53.7	54.0	54.0	54.0	54.0
≥ 20000	43.4	52.8	53.7	54.8	55.2	55.2	55.2	55.3	55.4	55.6	55.6	55.6	55.9	55.9	55.9	55.9
≥ 18000	43.4	53.0	53.9	55.0	55.4	55.4	55.4	55.6	55.7	55.8	55.8	55.8	56.1	56.1	56.1	56.1
≥ 16000	43.4	53.0	53.9	55.0	55.4	55.4	55.4	55.6	55.7	55.8	55.8	55.8	56.1	56.1	56.1	56.1
≥ 14000	44.1	53.9	54.8	55.9	56.3	56.3	56.3	56.4	56.6	56.7	56.7	56.7	57.0	57.0	57.0	57.0
≥ 12000	44.4	54.3	55.4	56.7	57.1	57.1	57.1	57.2	57.3	57.4	57.4	57.4	57.8	57.8	57.8	57.8
≥ 10000	47.7	58.6	59.8	61.2	61.7	61.7	61.7	61.8	61.9	62.0	62.0	62.0	62.3	62.3	62.3	62.3
≥ 9000	48.3	59.6	60.9	62.3	62.8	62.8	62.8	62.9	63.0	63.1	63.1	63.1	63.4	63.4	63.4	63.4
≥ 8000	50.6	62.1	63.6	65.1	65.6	65.6	65.6	65.7	65.8	65.9	65.9	65.9	66.2	66.2	66.2	66.2
≥ 7000	51.6	63.3	64.8	66.3	66.9	66.9	66.9	67.0	67.1	67.2	67.2	67.2	67.6	67.6	67.6	67.6
≥ 6000	53.0	64.9	66.3	67.9	68.4	68.4	68.4	68.6	68.7	68.8	68.8	68.8	69.1	69.1	69.1	69.1
≥ 5000	55.1	67.4	68.9	70.7	71.3	71.3	71.3	71.4	71.6	71.7	71.7	71.7	72.0	72.0	72.0	72.0
≥ 4500	56.4	69.0	70.6	72.3	73.0	73.0	73.0	73.1	73.2	73.3	73.3	73.3	73.7	73.7	73.7	73.7
≥ 4000	57.2	70.2	71.9	73.7	74.3	74.3	74.3	74.4	74.6	74.7	74.7	74.7	75.0	75.0	75.0	75.0
≥ 3500	57.7	70.7	72.3	74.1	74.8	74.8	74.8	74.9	75.0	75.1	75.1	75.1	75.4	75.4	75.4	75.4
≥ 3000	57.7	70.8	72.4	74.3	75.0	75.0	75.0	75.1	75.2	75.3	75.3	75.3	75.7	75.7	75.7	75.7
≥ 2500	58.4	71.7	73.6	75.6	76.2	76.2	76.2	76.3	76.4	76.6	76.6	76.6	76.9	76.9	76.9	76.9
≥ 2000	59.4	73.0	74.9	77.0	77.8	78.0	78.1	78.2	78.3	78.4	78.4	78.4	78.8	78.8	78.8	78.8
≥ 1800	59.6	73.1	75.0	77.1	77.9	78.1	78.2	78.3	78.4	78.6	78.6	78.6	78.9	78.9	78.9	78.9
≥ 1500	60.3	74.4	76.3	78.4	79.3	79.6	79.7	80.0	80.1	80.3	80.3	80.3	80.7	80.7	80.7	80.7
≥ 1200	60.9	75.4	77.3	79.4	80.4	80.7	80.8	81.1	81.2	81.4	81.4	81.4	81.8	81.8	81.8	81.6
≥ 1000	61.0	76.2	78.2	80.4	81.4	81.8	81.9	82.2	82.3	82.6	82.6	82.6	82.9	82.9	82.9	82.9
≥ 900	61.0	76.3	78.3	80.6	81.6	81.9	82.0	82.3	82.4	82.7	82.7	82.7	83.0	83.0	83.0	83.0
≥ 800	61.1	76.6	78.6	80.9	82.0	82.3	82.6	82.9	83.0	83.2	83.2	83.2	83.6	83.6	83.6	83.6
≥ 700	61.2	76.8	78.9	81.3	82.8	83.1	83.4	83.8	83.9	84.1	84.1	84.1	84.4	84.4	84.4	84.4
≥ 600	61.2	76.9	79.1	81.8	83.6	83.9	84.3	85.0	85.1	85.3	85.3	85.3	85.7	85.7	85.7	85.7
≥ 500	61.6	77.3	79.9	83.0	85.4	86.1	86.7	87.4	87.9	88.1	88.1	88.1	88.4	88.4	88.4	88.4
≥ 400	61.6	77.7	80.3	83.7	86.3	87.1	88.1	89.6	90.2	90.7	90.7	90.7	91.0	91.1	91.1	91.1
≥ 300	61.6	77.7	80.3	83.7	86.9	87.8	89.1	91.6	92.4	93.0	93.1	93.1	93.6	93.7	93.9	93.9
≥ 200	61.6	77.7	80.3	83.7	87.2	88.1	89.6	92.7	93.7	95.0	95.3	95.3	96.0	96.3	96.7	96.7
≥ 100	61.6	77.7	80.3	83.8	87.3	88.2	89.7	92.9	93.9	95.3	95.8	95.9	97.1	97.4	98.7	99.4
≥ 0	61.6	77.7	80.3	83.8	87.3	88.2	89.7	92.9	93.9	95.3	95.8	95.9	97.1	97.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725068	OTIS AFB MA	68-70,73,76-81	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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	49.1	54.4	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 20000	50.1	55.7	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 18000	50.1	55.7	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000	50.1	55.7	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 14000	51.9	57.9	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	52.6	59.0	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	59.8
≥ 10000	55.4	62.6	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 9000	56.2	63.7	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 8000	58.0	66.4	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 7000	58.9	67.4	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000	60.3	69.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 5000	62.0	70.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500	63.3	72.2	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 4000	64.2	73.4	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	64.9	74.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 3000	66.1	75.7	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 2500	66.8	76.7	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2000	67.7	78.2	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 1800	68.2	78.9	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	90.3
≥ 1500	68.9	79.6	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 1200	69.9	81.1	82.6	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1000	70.4	82.4	84.1	84.2	84.4	84.4	84.4	84.4	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7
≥ 900	70.6	82.9	84.6	84.8	85.0	85.0	85.0	85.0	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	70.9	83.3	85.2	85.6	85.8	85.8	85.9	85.9	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2
≥ 700	71.3	83.9	85.9	86.3	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.2
≥ 600	71.7	84.9	87.0	87.6	88.0	88.1	88.3	88.6	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9
≥ 500	71.9	85.7	88.1	88.9	89.4	89.6	89.9	90.2	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6
≥ 400	72.0	86.0	88.6	89.3	89.9	90.7	91.4	92.4	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1
≥ 300	72.0	86.0	88.6	89.3	90.0	91.1	92.1	93.9	94.3	94.9	95.2	95.2	95.3	95.3	95.3	95.3
≥ 200	72.0	86.0	88.6	89.4	90.2	91.4	92.6	94.8	95.2	96.6	97.6	97.6	97.9	98.1	98.1	98.1
≥ 100	72.0	86.0	88.6	89.4	90.2	91.4	92.6	94.8	95.2	96.7	98.0	98.0	98.9	99.2	99.6	99.7
≥ 0	72.0	86.0	88.6	89.4	90.2	91.4	92.6	94.8	95.2	96.7	98.0	98.0	98.9	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725 68 — STATION
OTIS AFB MA — STATION NAME
68-70,73,76-81 — YEARS
APR — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 — HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	47.9	54.1	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	49.4	56.1	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 18000	49.4	56.1	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 16000	49.4	56.1	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 14000	51.1	57.8	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 12000	51.3	58.4	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 10000	53.8	61.8	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
≥ 9000	54.7	62.7	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 8000	56.1	67.4	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 7000	58.7	68.4	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000	60.3	70.2	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 5000	62.1	72.5	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 4500	63.1	73.5	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 4000	65.1	75.8	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 3500	66.1	77.0	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3000	68.1	79.1	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 2500	69.1	80.1	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 2000	70.3	82.1	83.0	83.2	83.3	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1800	71.1	82.9	83.8	84.0	84.1	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1500	71.5	83.9	84.8	85.1	85.2	85.4	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 1200	72.3	84.9	85.8	86.1	86.2	86.4	86.5	86.7	86.7	86.7	96.7	86.7	86.7	86.7	66.7	86.7
≥ 1000	73.1	86.2	87.1	87.4	87.7	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 900	73.2	86.7	87.7	88.0	88.2	88.4	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 800	73.6	87.1	88.3	88.8	89.2	89.4	89.5	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 700	74.0	87.8	89.0	89.5	90.1	90.3	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 600	74.1	87.9	89.1	89.8	90.3	90.5	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 500	74.2	88.3	89.9	90.7	91.8	92.2	92.5	92.9	92.9	93.0	93.0	93.0	93.1	93.1	93.1	93.1
≥ 400	74.2	88.5	90.2	91.7	93.0	93.7	94.2	94.5	94.8	94.9	94.9	94.9	95.1	95.1	95.1	95.1
≥ 300	74.2	88.5	90.2	91.7	93.5	94.2	95.0	95.3	95.7	96.2	96.2	96.2	96.7	96.7	96.8	96.8
≥ 200	74.2	88.5	90.2	91.7	93.7	94.3	95.3	95.9	96.6	97.9	98.1	98.1	98.7	98.7	98.8	98.8
≥ 100	74.2	88.5	90.2	91.7	93.7	94.3	95.3	95.9	96.6	98.1	98.4	98.4	99.2	99.2	99.8	99.9
≥ 0	74.2	88.5	90.2	91.7	93.7	94.3	95.3	95.9	96.6	98.1	98.4	98.4	99.2	99.2	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 899

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible]68 — STATION
OTIS AFB MA — STATION NAME
68-70,73,76-81 — YEARS
APR — 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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	45.2	51.9	52.3	52.5	52.6	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	47.6	55.2	55.7	56.0	56.1	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 18000	47.6	55.2	55.7	56.0	56.1	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000	47.6	55.2	55.7	56.0	56.1	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 14000	48.5	56.2	56.7	57.0	57.1	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	49.6	57.6	58.2	58.4	59.5	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 10000	52.4	62.1	62.6	62.8	63.0	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 9000	52.7	62.6	63.2	63.4	63.5	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 8000	54.3	65.6	66.3	66.5	66.6	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 7000	56.3	67.5	68.2	68.4	68.5	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 6000	57.8	69.5	70.2	70.4	70.5	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 5000	59.2	71.6	72.5	72.7	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 4500	60.2	72.7	73.6	73.9	74.0	74.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 4000	62.2	75.2	76.3	76.6	77.0	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 3500	63.1	76.3	77.4	77.9	78.2	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3000	64.6	78.4	79.5	80.0	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 2500	66.0	80.2	81.3	81.8	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2000	66.7	81.2	82.3	82.9	83.3	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1800	67.2	81.8	82.9	83.4	83.9	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1500	67.7	83.0	84.2	84.8	85.5	85.7	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 1200	68.5	84.0	85.3	86.1	86.9	87.0	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1000	69.1	84.6	86.1	86.9	87.8	87.9	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 900	69.2	85.0	86.4	87.2	88.2	88.4	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 800	69.4	85.5	87.1	87.9	88.9	89.1	89.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 700	69.7	86.2	88.0	88.8	89.9	90.5	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 600	69.7	86.8	88.5	89.3	90.7	91.3	91.7	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 500	69.9	87.0	88.9	89.9	91.3	92.1	92.8	93.3	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 400	70.0	87.4	89.4	90.4	92.1	93.0	94.1	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 300	70.0	87.4	89.4	90.4	92.1	93.1	94.7	96.2	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 200	70.0	87.4	89.4	90.4	92.1	93.2	94.9	96.8	97.1	97.7	98.0	98.0	98.1	98.2	98.2	98.2
≥ 100	70.0	87.4	89.4	90.4	92.1	93.2	94.9	96.9	97.2	98.1	98.4	98.4	99.2	99.3	99.8	100.0
≥ 0	70.0	87.4	89.4	90.4	92.1	93.2	94.9	96.9	97.2	98.1	98.4	98.4	99.2	99.3	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 899

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]68	OTIS AFB MA	68-70,73,76-81	APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	37.2	50.6	50.7	50.8	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5
≥ 20000	38.7	53.7	53.9	54.2	54.5	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8
≥ 18000	38.7	53.8	54.1	54.3	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9
≥ 16000	38.7	53.8	54.1	54.3	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9
≥ 14000	39.9	54.6	54.8	55.1	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.7
≥ 12000	40.5	55.8	56.1	56.3	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	57.0	57.0	57.0	57.0
≥ 10000	42.4	59.0	59.2	59.4	59.7	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1
≥ 9000	42.7	59.4	59.6	59.8	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5
≥ 8000	45.1	63.2	63.4	63.6	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3
≥ 7000	46.3	65.4	65.6	65.9	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5
≥ 6000	48.7	68.0	68.2	68.4	68.7	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1
≥ 5000	50.3	69.9	70.4	70.6	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3
≥ 4500	50.4	70.3	70.9	71.1	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7
≥ 4000	51.3	71.6	72.4	72.6	73.2	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7
≥ 3500	51.9	72.5	73.3	73.5	74.1	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6
≥ 3000	52.6	73.5	74.4	74.6	75.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.8	75.8	75.8	75.8
≥ 2500	53.3	74.7	75.9	76.2	76.8	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3
≥ 2000	54.5	76.9	78.0	78.3	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5
≥ 1800	54.6	77.1	78.2	78.5	79.2	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.8	79.8	79.8	79.8
≥ 1500	55.4	78.3	79.4	79.8	80.4	80.6	80.9	80.9	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.1
≥ 1200	56.0	79.9	81.1	81.4	82.1	82.3	82.5	82.5	82.5	82.6	82.6	82.6	82.8	82.8	82.8	82.8
≥ 1000	56.1	80.4	81.9	82.2	82.9	83.1	83.3	83.3	83.3	83.4	83.4	83.4	83.5	83.5	83.5	83.5
≥ 900	56.1	81.0	82.8	83.1	83.9	84.2	84.4	84.4	84.4	84.5	84.5	84.5	84.6	84.6	84.6	84.6
≥ 800	56.1	81.2	83.2	83.5	84.5	85.0	85.2	85.2	85.2	85.3	85.3	85.3	85.4	85.4	85.4	85.4
≥ 700	56.2	81.4	83.4	84.0	85.0	85.8	86.2	86.2	86.2	86.3	86.3	86.3	86.4	86.4	86.4	86.4
≥ 600	56.4	82.3	84.5	95.2	86.3	87.1	87.8	87.9	87.9	88.0	88.0	88.0	88.1	88.1	88.1	88.1
≥ 500	56.7	83.2	85.5	86.4	87.9	88.7	89.7	89.9	90.2	90.5	90.5	90.5	90.7	90.7	90.7	90.7
≥ 400	56.7	83.4	86.4	87.3	89.3	90.5	92.3	92.8	93.1	93.4	93.4	93.4	93.5	93.5	93.5	93.5
≥ 300	56.7	83.4	86.4	87.4	89.7	90.9	93.3	94.1	94.5	95.2	95.2	95.2	95.3	95.3	95.3	95.3
≥ 200	56.7	83.4	86.4	87.4	90.1	91.3	94.0	94.8	95.3	96.4	96.6	96.6	96.8	96.8	96.8	96.8
≥ 100	56.7	83.4	86.4	87.5	90.2	91.4	94.2	95.1	95.8	97.2	97.8	97.8	98.4	98.6	99.1	99.3
≥ 0	56.7	83.4	86.4	87.5	90.2	91.4	94.2	95.1	95.8	97.2	97.8	97.8	98.7	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 899

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72 68	OTIS AFB MA	68-70,73,76-81	APR
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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.5	56.2	56.8	57.1	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6
≥ 20000	35.6	58.2	58.8	59.1	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6
≥ 18000	35.6	58.2	58.8	59.1	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6
≥ 16000	35.6	58.2	58.8	59.1	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6
≥ 14000	36.7	59.7	60.4	60.6	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2
≥ 12000	37.4	60.2	60.8	61.1	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6
≥ 10000	39.3	63.1	63.7	64.0	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5
≥ 9000	39.6	63.4	64.1	64.3	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8
≥ 8000	41.4	66.5	67.3	67.5	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.2
≥ 7000	42.0	66.1	68.9	69.1	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7
≥ 6000	43.5	69.7	70.5	70.7	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.4
≥ 5000	44.7	72.0	73.0	73.2	73.7	73.7	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0
≥ 4500	45.1	72.7	73.7	74.0	74.5	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7
≥ 4000	45.4	73.5	74.5	74.7	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5
≥ 3500	45.6	74.1	75.1	75.3	75.9	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1
≥ 3000	46.1	74.6	76.1	76.3	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.1
≥ 2500	46.5	75.4	77.2	77.4	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.3
≥ 2000	46.5	76.2	78.0	78.2	78.9	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2
≥ 1800	46.6	76.5	78.3	78.5	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5
≥ 1500	47.3	77.4	79.2	79.4	80.1	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.6
≥ 1200	47.7	73.2	80.2	80.8	81.4	81.6	81.6	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0
≥ 1000	47.8	78.8	80.8	81.3	82.0	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5
≥ 900	48.1	79.1	81.3	81.9	82.5	82.8	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.1
≥ 800	48.1	79.4	81.9	82.5	83.2	83.6	83.6	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0
≥ 700	48.1	79.9	82.5	83.3	84.1	84.6	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0
≥ 600	48.1	80.2	83.1	84.2	85.1	85.7	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.2
≥ 500	48.1	80.4	83.3	84.4	85.8	86.3	87.0	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8
≥ 400	48.4	81.2	84.5	85.9	87.8	88.4	89.1	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1
≥ 300	48.4	81.4	84.9	86.5	89.5	90.5	91.9	92.5	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.7
≥ 200	48.4	81.4	84.9	86.7	89.7	90.8	92.5	93.5	94.2	94.9	95.0	95.0	95.0	95.0	95.0	95.1
≥ 100	48.4	81.4	85.0	86.8	90.0	91.1	93.0	94.5	95.7	97.0	97.6	97.6	98.1	98.1	98.6	98.9
≥ 0	48.4	81.4	85.0	86.8	90.0	91.1	93.0	94.5	95.7	97.0	97.7	97.8	98.6	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 899

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725 68 — STATION
OTIS AFB MA — STATION NAME
63-70,73,76-81 — YEARS
APR — MONTH
ALL — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	40.3	53.2	53.7	54.1	54.4	54.4	54.5	54.5	54.5	54.6	54.6	54.6	54.6	54.7	54.7	54.7
≥ 20000	41.9	55.2	55.7	56.2	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.8	56.8	56.8
≥ 18000	41.9	55.2	55.8	56.2	56.5	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.9
≥ 16000	41.9	55.2	55.8	56.2	56.5	56.5	56.6	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.9
≥ 14000	43.1	56.6	57.2	57.6	57.9	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.2	58.3
≥ 12000	43.6	57.4	58.0	58.5	58.7	58.8	58.8	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.1	59.1
≥ 10000	45.9	60.8	61.4	61.9	62.2	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.6
≥ 9000	46.4	61.4	62.0	62.5	62.8	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.2	63.2
≥ 8000	48.3	64.4	65.2	65.7	65.9	66.0	66.1	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.4
≥ 7000	49.2	65.8	66.6	67.1	67.4	67.5	67.6	67.6	67.6	67.7	67.7	67.7	67.8	67.8	67.8	67.9
≥ 6000	50.6	67.5	68.4	68.9	69.2	69.2	69.3	69.4	69.4	69.5	69.5	69.5	69.6	69.6	69.6	69.7
≥ 5000	52.2	69.7	70.7	71.3	71.6	71.7	71.7	71.8	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.1
≥ 4500	53.1	70.7	71.6	72.2	72.6	72.6	72.7	72.8	72.8	72.9	72.9	72.9	73.0	73.0	73.0	73.1
≥ 4000	54.1	72.2	73.2	73.9	74.3	74.3	74.4	74.5	74.5	74.6	74.6	74.6	74.7	74.7	74.7	74.8
≥ 3500	54.6	73.0	74.0	74.7	75.1	75.2	75.3	75.3	75.4	75.4	75.4	75.4	75.5	75.6	75.6	75.6
≥ 3000	55.6	74.4	75.5	76.2	76.6	76.7	76.8	76.9	76.9	77.0	77.0	77.0	77.1	77.1	77.1	77.1
≥ 2500	56.2	75.3	76.6	77.3	77.8	77.9	78.0	78.1	78.1	78.2	78.2	78.2	78.2	78.3	78.3	78.3
≥ 2000	57.0	76.7	78.0	78.8	79.3	79.4	79.6	79.7	79.7	79.8	79.8	79.8	79.9	79.9	79.9	79.9
≥ 1800	57.2	77.1	78.4	79.2	79.7	79.8	80.0	80.1	80.1	80.2	80.2	80.2	80.3	80.3	80.3	80.3
≥ 1500	57.8	78.1	79.4	80.2	80.8	80.9	81.1	81.2	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.5
≥ 1200	58.4	79.1	80.5	81.3	82.0	82.2	82.3	82.5	82.5	82.6	82.6	82.6	82.7	82.7	82.7	82.8
≥ 1000	58.7	79.9	81.5	82.4	83.1	83.3	83.4	83.6	83.6	83.7	83.7	83.7	83.8	83.8	83.8	83.9
≥ 900	58.8	80.2	81.9	82.8	83.6	83.8	84.0	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.5
≥ 800	59.1	80.6	82.5	83.5	84.4	84.6	84.8	85.0	85.0	85.2	85.2	85.2	85.3	85.3	85.3	85.4
≥ 700	59.2	81.0	83.0	84.1	85.0	85.4	85.7	85.9	85.9	86.1	86.1	86.1	86.2	86.2	86.2	86.3
≥ 600	59.2	81.4	83.6	84.8	85.9	86.3	86.6	86.9	87.0	87.1	87.1	87.1	87.2	87.2	87.2	87.3
≥ 500	59.4	82.0	84.3	85.8	87.3	87.8	88.4	88.8	89.0	89.2	89.2	89.2	89.3	89.3	89.3	89.4
≥ 400	59.5	82.5	85.1	86.7	88.5	89.3	90.3	91.1	91.4	91.6	91.7	91.7	91.8	91.8	91.8	91.9
≥ 300	59.5	82.5	85.1	86.9	89.2	90.1	91.6	92.9	93.4	93.9	94.0	94.0	94.2	94.3	94.3	94.4
≥ 200	59.5	82.6	85.2	86.9	89.4	90.4	92.2	93.8	94.4	95.5	95.9	95.9	96.3	96.4	96.5	96.6
≥ 100	59.5	82.6	85.2	87.0	89.5	90.5	92.3	94.1	94.8	96.2	96.9	96.9	97.9	98.0	98.7	99.2
≥ 0	59.5	82.6	85.2	87.0	89.5	90.5	92.3	94.1	94.8	96.2	96.9	96.9	98.0	98.1	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7195

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725068	OTIS AFB MA	68-70,73,76-81	MAY
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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	30.3	46.1	47.3	47.6	48.4	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	31.4	48.1	49.2	49.6	50.3	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 18000	31.4	48.1	49.2	49.6	50.3	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 16000	31.4	48.1	49.2	49.6	50.3	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 14000	32.0	48.7	50.1	50.4	51.2	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 12000	32.0	48.7	50.1	50.4	51.2	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 10000	32.6	50.5	52.4	52.8	53.7	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
≥ 9000	33.2	51.3	53.1	53.5	54.4	54.5	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 8000	35.7	55.4	57.2	57.8	58.8	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 7000	35.8	56.2	58.2	59.0	60.1	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 6000	36.7	58.6	60.5	61.4	62.5	62.6	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 5000	37.2	61.1	63.2	64.1	65.2	65.3	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 4500	37.2	61.6	64.0	64.8	66.0	66.1	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000	37.3	61.9	64.4	65.3	66.5	66.6	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 3500	37.6	62.7	65.2	66.1	67.3	67.4	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 3000	38.6	64.4	67.0	68.0	69.1	69.2	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 2500	39.2	65.5	68.2	69.1	70.3	70.4	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 2000	39.9	66.3	69.1	70.1	71.5	71.6	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 1800	39.9	66.3	69.2	70.2	71.6	71.7	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 1500	40.0	66.5	69.5	70.4	71.9	72.0	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 1200	40.1	66.6	69.8	70.8	72.3	72.4	72.5	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 1000	40.2	66.7	69.9	71.0	72.5	72.6	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 900	40.2	66.7	69.9	71.1	72.6	72.7	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 800	40.2	67.1	70.6	71.9	73.4	73.5	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 700	40.3	67.4	71.1	72.6	74.1	74.4	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 600	40.3	67.5	71.6	73.1	74.6	75.2	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 500	40.3	67.8	72.3	74.0	75.9	76.6	76.7	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 400	40.3	68.0	73.0	75.4	77.8	78.8	79.1	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 300	40.3	68.0	73.0	75.4	78.1	79.4	80.3	81.3	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.7
≥ 200	40.3	68.0	73.0	75.4	78.4	79.7	81.3	82.6	83.2	84.9	86.0	86.0	86.1	86.1	86.1	86.3
≥ 100	40.3	68.1	73.1	75.5	78.5	79.9	81.7	83.8	84.5	87.1	88.9	89.2	92.4	92.6	95.4	96.2
≥ 0	40.3	68.1	73.1	75.5	78.5	79.9	81.7	83.8	84.5	87.1	89.0	89.4	92.5	92.7	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
768	OTIS AFB MA	68-70,73,76-81	MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	28.6	40.5	42.8	43.1	43.8	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.4	44.4	44.4	44.4
≥ 20000	29.1	41.8	44.4	44.7	45.4	45.7	45.8	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0
≥ 18000	29.1	41.8	44.4	44.7	45.4	45.7	45.8	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0
≥ 16000	29.1	41.8	44.4	44.7	45.4	45.7	45.8	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0
≥ 14000	30.1	42.8	45.5	45.8	46.5	46.8	47.0	47.1	47.1	47.1	47.1	47.1	47.2	47.2	47.2	47.2
≥ 12000	30.4	43.1	45.8	46.1	46.8	47.1	47.3	47.4	47.4	47.4	47.4	47.4	47.5	47.5	47.5	47.5
≥ 10000	32.4	46.8	49.6	50.0	50.6	51.0	51.2	51.3	51.3	51.3	51.3	51.3	51.4	51.4	51.4	51.4
≥ 9000	32.4	47.0	49.8	50.2	50.9	51.2	51.4	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.6
≥ 8000	34.9	51.6	54.4	55.1	55.8	56.2	56.5	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7
≥ 7000	35.2	52.8	55.6	56.2	57.1	57.5	57.7	57.8	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1
≥ 6000	36.1	54.3	57.1	57.8	58.7	59.1	59.4	59.5	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7
≥ 5000	37.1	56.6	59.5	60.3	61.3	61.7	61.9	62.0	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3
≥ 4500	37.2	57.4	60.3	61.2	62.3	62.8	63.0	63.1	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3
≥ 4000	37.3	58.3	61.2	62.0	63.2	63.9	64.2	64.3	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5
≥ 3500	37.5	59.0	62.0	62.9	64.1	64.7	65.1	65.2	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4
≥ 3000	38.6	61.3	64.6	65.6	66.9	67.5	67.8	68.1	68.2	68.3	68.3	68.3	68.4	68.4	68.4	68.4
≥ 2500	38.9	61.7	65.1	66.0	67.4	68.1	68.4	66.6	68.7	68.8	68.8	68.8	68.9	68.9	68.9	68.9
≥ 2000	39.4	62.4	65.7	66.7	68.1	68.7	69.0	69.2	69.4	69.5	69.5	69.5	69.6	69.6	69.6	69.6
≥ 1800	39.4	62.6	65.9	66.9	68.3	68.9	69.2	69.5	69.6	69.7	69.7	69.7	69.8	69.8	69.8	69.8
≥ 1500	39.8	63.0	66.5	67.4	68.8	69.5	69.8	70.0	70.2	70.3	70.3	70.3	70.4	70.4	70.4	70.4
≥ 1200	39.9	63.3	67.1	68.1	69.7	70.3	70.6	70.9	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.3
≥ 1000	39.9	63.4	67.4	68.4	70.1	70.8	71.1	71.3	71.5	71.6	71.6	71.6	71.7	71.7	71.7	71.8
≥ 900	39.9	63.8	67.7	68.7	70.5	71.2	71.5	71.7	71.9	72.0	72.0	72.0	72.2	72.2	72.2	72.3
≥ 800	39.9	64.1	68.1	69.0	71.1	71.7	72.0	72.3	72.5	72.6	72.6	72.6	72.7	72.7	72.7	72.8
≥ 700	40.1	64.5	68.7	70.1	72.3	73.0	73.3	73.5	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.1
≥ 600	40.2	65.3	69.7	71.2	73.7	74.6	75.1	75.4	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.9
≥ 500	40.2	65.5	70.3	72.2	75.2	76.1	76.6	77.0	77.3	77.4	77.4	77.4	77.5	77.5	77.5	77.6
≥ 400	40.2	65.8	70.9	72.8	76.5	77.6	78.2	78.8	79.4	79.6	79.6	79.6	79.7	79.7	79.7	79.8
≥ 300	40.2	65.9	71.0	73.0	77.0	78.3	79.0	79.8	80.5	81.4	81.5	81.5	81.7	81.7	81.7	82.0
≥ 200	40.2	66.0	71.2	73.2	77.4	78.7	80.1	81.3	82.3	84.1	85.1	85.2	65.8	85.8	65.8	66.2
≥ 100	40.2	66.0	71.2	73.2	77.4	78.7	80.2	81.8	83.0	86.0	87.3	87.5	90.6	90.8	93.4	94.7
≥ 0	40.2	66.0	71.2	73.2	77.4	78.7	80.2	81.8	83.0	86.0	87.4	87.6	90.8	90.9	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725 68 — STATION
OTIS AFB MA — STATION NAME
68-70,73,76-81 — YEARS
MAY — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800 — HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	34.3	43.3	44.4	44.9	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.6
≥ 20000	34.9	44.9	46.0	46.6	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.2
≥ 18000	34.9	44.9	46.0	46.6	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.2
≥ 16000	35.1	45.1	46.1	46.7	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.3
≥ 14000	36.1	46.3	47.5	48.1	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.7
≥ 12000	37.0	47.6	49.0	49.6	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2
≥ 10000	39.5	51.3	53.2	53.8	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4
≥ 9000	39.6	51.6	53.5	54.1	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.7
≥ 8000	41.0	53.7	55.8	56.5	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2
≥ 7000	41.5	54.8	57.1	57.8	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6
≥ 6000	42.3	56.6	58.9	59.8	60.4	60.4	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.8
≥ 5000	43.3	58.8	61.3	62.5	63.2	63.4	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.8
≥ 4500	44.3	59.6	62.0	63.2	64.0	64.2	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.5
≥ 4000	44.3	59.7	62.3	63.4	64.3	64.5	64.7	64.9	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.2
≥ 3500	44.6	60.2	62.8	64.0	64.8	65.1	65.3	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.7
≥ 3000	45.5	61.3	63.9	65.2	66.2	66.8	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.5
≥ 2500	45.9	62.0	64.7	66.1	67.2	67.7	68.1	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.5
≥ 2000	46.5	62.9	65.6	67.0	68.1	68.6	69.0	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.6
≥ 1800	46.6	63.1	65.8	67.2	68.3	68.8	69.2	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.8
≥ 1500	47.3	64.1	66.8	68.3	69.4	69.9	70.3	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.9
≥ 1200	48.1	65.2	67.8	69.4	70.4	71.0	71.4	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	72.0
≥ 1000	48.3	65.7	68.5	70.0	71.3	71.9	72.4	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	73.0
≥ 900	48.5	66.2	69.0	70.6	71.9	72.7	73.1	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.8
≥ 800	48.7	67.2	70.1	71.7	73.0	73.8	74.3	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.9
≥ 700	48.8	68.0	71.0	72.8	74.2	74.9	75.5	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.1	76.2
≥ 600	49.0	68.6	71.9	73.9	75.3	76.0	76.7	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.3	77.4
≥ 500	49.1	69.5	72.8	74.8	76.7	77.6	78.5	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.4	79.5
≥ 400	49.1	69.6	73.2	75.8	77.6	79.0	80.4	81.4	81.7	82.3	82.3	82.3	82.3	82.3	82.4	82.5
≥ 300	49.1	69.6	73.2	75.9	78.2	79.6	81.7	83.5	84.2	86.0	86.2	86.2	86.3	86.3	86.5	86.6
≥ 200	49.1	69.6	73.2	76.0	78.6	80.0	82.5	84.6	85.7	88.5	89.5	89.6	90.6	90.9	91.2	91.4
≥ 100	49.1	69.6	73.2	76.0	78.6	80.0	82.7	85.2	86.3	89.5	91.2	91.3	93.2	93.5	95.5	97.1
≥ 0	49.1	69.6	73.2	76.0	78.6	80.0	82.7	85.2	86.3	89.5	91.3	91.4	93.4	93.8	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
725068	OTIS AFB MA	68-70,73,76-81	MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	41.1	50.3	50.5	50.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 20000	41.6	51.6	52.1	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 18000	41.7	52.0	52.3	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	41.7	52.0	52.3	52.5	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	43.2	53.5	53.9	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 12000	43.7	54.8	55.2	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 10000	45.8	57.8	58.2	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 9000	46.0	58.4	58.7	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 8000	48.0	61.4	61.8	62.0	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 7000	48.4	62.3	62.7	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
≥ 6000	49.4	63.7	64.1	64.3	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 5000	49.9	64.6	65.1	65.3	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 4500	50.1	65.4	65.8	66.0	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 4000	51.0	66.6	67.0	67.3	68.1	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3500	51.2	67.0	67.4	67.7	68.5	68.5	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 3000	52.4	68.8	69.2	69.6	70.3	70.4	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 2500	53.3	69.8	70.2	70.5	71.3	71.4	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 2000	54.3	71.5	71.9	72.4	73.1	73.2	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 1800	54.5	71.8	72.4	72.8	73.7	73.8	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1500	55.5	73.2	73.9	74.3	75.2	75.3	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 1200	56.3	74.2	74.9	75.4	76.2	76.3	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 1000	56.7	75.6	76.3	77.0	78.0	78.1	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 900	57.2	76.1	77.0	77.6	78.7	78.9	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 800	58.1	77.6	78.9	79.7	81.0	81.3	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 700	58.3	78.4	80.0	80.9	82.3	82.9	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 600	58.3	79.1	81.0	81.9	83.5	84.4	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 500	58.4	80.0	82.3	83.7	85.5	86.5	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 400	58.4	80.5	83.0	84.7	87.2	88.2	89.9	90.4	90.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 300	58.4	80.5	83.1	85.3	88.3	89.6	91.9	93.2	93.7	95.1	95.5	95.5	95.8	95.8	95.8	95.8
≥ 200	58.4	80.5	83.1	85.3	88.3	89.7	92.3	93.8	94.4	96.1	96.9	96.9	97.4	97.6	97.7	97.8
≥ 100	58.4	80.5	83.1	85.3	88.3	89.7	92.4	93.9	94.5	96.5	97.2	97.2	98.6	98.8	99.5	99.9
≥ 0	58.4	80.5	83.1	85.3	88.3	89.7	92.4	93.9	94.5	96.5	97.2	97.2	98.6	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 931

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

AL CLIMATOLOGY BRANCH
ETAC
WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

6 OTIS AFB MA 65-70,73,76-81 MAY
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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	40.1	49.7	49.9	50.1	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 20000	41.8	51.8	52.2	52.4	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 18000	41.8	51.8	52.2	52.4	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 16000	41.8	51.8	52.2	52.4	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	44.[illegible]	54.7	55.1	55.3	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 12000	44.6	55.9	56.2	56.5	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 10000	47.2	60.2	60.6	60.9	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 9000	47.3	60.5	61.0	61.2	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 8000	49.8	64.0	64.4	64.6	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 7000	49.9	64.5	64.9	65.2	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 6000	51.3	66.3	66.8	67.0	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 5000	53.3	69.0	69.5	69.7	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 4500	53.7	70.0	70.4	70.6	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4000	54.9	71.4	72.1	72.5	73.1	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3500	55.[illegible]	72.5	73.1	73.5	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 3000	56.9	73.7	74.3	74.7	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 2500	57.6	74.5	75.2	75.6	76.6	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 2000	58.7	76.2	77.0	77.4	78.6	78.6	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1800	58.8	76.3	77.1	77.6	78.9	78.9	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	59.9	78.3	79.0	79.6	80.9	80.9	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1200	60.3	79.6	80.4	81.0	82.6	82.7	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 1000	61.2	81.3	82.6	83.3	85.1	85.2	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900	61.5	81.9	83.2	84.0	85.7	85.8	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 800	61.5	82.4	84.6	85.6	87.5	87.6	88.2	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 700	61.5	83.0	85.7	86.8	88.9	89.3	89.8	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 600	61.6	83.7	86.5	87.6	90.0	90.1	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 500	61.6	84.3	87.4	88.9	91.4	91.9	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 400	61.6	84.3	87.6	89.5	92.2	92.8	94.2	94.8	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 300	61.6	84.5	87.8	89.8	93.0	93.8	95.5	96.6	96.7	97.8	98.1	98.1	98.3	98.3	98.3	98.3
≥ 200	61.6	84.5	87.8	89.8	93.1	94.0	95.7	97.1	97.3	98.8	99.1	99.1	99.4	99.4	99.5	99.5
≥ 100	61.6	84.5	87.8	89.8	93.1	94.0	95.7	97.1	97.3	98.8	99.1	99.1	99.6	99.6	100.0	100.0
≥ 0	61.6	84.5	87.8	89.8	93.1	94.0	95.7	97.1	97.3	98.8	99.1	99.1	99.6	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

AL CLIMATOLOGY BRANCH
AFETAC
EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

6 — STATION
TIS AFB MA — STATION NAME
68-70,73,76-81 — 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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	39.4	50.9	52.4	52.6	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	42.4	54.8	56.5	56.7	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 18000	42.4	55.2	56.8	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 16000	42.4	55.2	56.8	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 14000	43.9	57.3	59.4	59.6	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 12000	44.6	58.8	60.9	61.1	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000	47.2	63.0	65.2	65.4	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 9000	47.4	63.5	65.7	65.9	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 8000	49.8	67.5	69.7	69.9	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 7000	50.9	68.7	70.9	71.1	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 6000	52.2	70.2	72.4	72.6	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 5000	53.5	72.5	74.8	75.1	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 4500	54.4	73.7	76.0	76.2	77.3	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 4000	55.1	74.5	76.9	77.1	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 3500	55.3	75.2	77.5	77.7	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 3000	55.7	75.8	78.2	78.4	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2500	56.7	76.9	79.2	79.5	80.6	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 2000	57.5	78.3	80.8	81.0	82.2	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 1800	57.5	78.3	80.9	81.2	82.4	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1500	58.1	79.2	81.8	82.3	83.4	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 1200	58.4	79.9	82.6	83.0	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000	58.6	81.1	83.8	84.3	85.6	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 900	58.7	81.3	84.1	84.7	86.0	86.0	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 800	58.8	81.6	84.4	85.2	86.8	87.0	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 700	58.8	82.0	84.8	85.6	87.3	87.7	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 600	58.8	82.3	85.1	85.9	87.7	88.3	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 500	59.0	83.3	86.1	87.2	89.1	89.8	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 400	59.0	83.5	86.5	88.0	90.1	90.8	92.2	92.9	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3
≥ 300	59.0	83.9	86.8	88.4	90.8	91.4	93.1	94.2	94.5	95.3	95.5	95.6	95.6	95.6	95.6	95.6
≥ 200	59.1	83.9	86.8	88.4	90.9	91.6	93.8	94.9	95.5	97.0	98.1	98.2	98.7	98.7	98.8	98.9
≥ 100	59.1	83.9	86.8	88.4	91.1	91.8	94.0	95.3	95.9	97.5	98.7	98.8	99.7	99.7	99.8	100.0
≥ 0	59.1	83.9	86.8	88.4	91.1	91.8	94.0	95.3	95.9	97.5	98.7	98.8	99.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

AL CLIMATOLOGY BRANCH
FETAC
A EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

6 | OTIS AFB MA | 68-70,73,76-81 | MAY
STATION | STATION NAME | YEARS | MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-2000
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	31.7	44.5	45.6	46.3	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	33.9	48.4	49.6	50.5	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 18000	34.3	48.7	49.9	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 16000	34.3	48.7	49.9	50.9	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 14000	36.[illegible]	51.4	53.0	54.2	54.7	55.0	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 12000	36.9	52.9	54.5	55.7	56.3	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000	38.3	56.7	58.5	59.8	60.3	60.6	60.7	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 9000	38.4	57.2	59.1	60.3	60.9	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 8000	41.4	62.3	64.2	65.6	66.2	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 7000	42.2	64.0	65.9	67.3	67.9	68.2	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000	43.4	66.2	68.1	69.5	70.2	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 5000	44.3	67.8	69.9	71.3	72.0	72.4	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 4500	44.5	68.2	70.4	71.8	72.4	73.0	73.2	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4000	44.7	69.0	71.3	72.7	73.4	73.9	74.1	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3500	44.9	69.4	71.8	73.2	73.8	74.4	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	45.5	70.6	73.0	74.4	75.0	75.5	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500	45.7	71.3	73.7	75.1	75.8	76.3	76.5	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 2000	45.9	72.0	74.6	76.0	76.6	77.2	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 1800	46.0	72.3	75.0	76.4	77.0	77.6	77.8	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1500	46.1	72.4	75.1	76.5	77.2	77.7	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1200	46.0	72.8	75.6	77.0	77.7	78.2	78.4	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1000	46.1	73.2	76.0	77.4	78.1	78.7	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 900	46.3	73.7	76.5	77.9	78.7	79.2	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 800	46.4	74.2	77.3	78.9	79.6	80.4	80.6	80.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 700	46.4	74.6	78.1	79.7	80.7	81.5	81.9	82.1	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 600	46.4	75.6	79.3	80.9	82.1	82.9	83.4	83.6	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 500	46.4	75.9	79.5	81.4	83.0	83.7	84.4	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 400	46.6	76.3	80.2	82.2	84.3	85.1	86.1	86.9	87.2	87.6	87.8	87.8	87.8	87.8	87.8	87.8
≥ 300	46.6	76.5	80.4	82.5	85.1	86.0	87.5	88.8	89.3	90.2	90.4	90.4	90.5	90.5	90.5	90.5
≥ 200	46.6	76.5	80.5	82.7	85.6	86.5	88.6	90.3	91.1	92.7	93.5	93.5	94.4	94.4	94.5	94.6
≥ 100	46.6	76.5	80.5	82.7	85.6	86.5	88.6	90.3	91.3	93.1	94.6	94.6	96.6	96.6	98.2	98.7
≥ 0	46.6	76.5	80.5	82.7	85.6	86.5	88.6	90.3	91.3	93.1	94.6	94.6	96.7	96.7	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 929

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible]	OTIS AFB MA	68-70,73,76-81	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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	29.4	46.2	46.7	47.4	47.8	48.1	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 20000	29.5	48.7	49.1	49.9	50.4	50.6	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 18000	29.6	48.8	49.2	50.0	50.5	50.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 16000	29.6	48.8	49.2	50.0	50.5	50.8	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 14000	31.1	51.1	51.6	52.5	53.0	53.2	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 12000	31.3	52.3	52.8	53.8	54.3	54.5	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 10000	31.5	55.6	56.3	57.2	57.8	58.0	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 9000	31.6	55.8	56.5	57.5	58.0	58.2	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 8000	34.3	59.9	60.7	61.8	62.6	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 7000	35.1	60.9	61.7	62.9	63.7	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 6000	35.6	62.9	63.7	64.9	65.8	66.0	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 5000	36.4	65.1	66.3	67.5	68.6	68.8	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 4500	36.4	65.4	66.6	67.8	68.9	69.1	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 4000	36.5	65.9	67.2	68.4	69.4	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 3500	36.7	66.8	68.1	69.3	70.4	70.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3000	37.1	67.5	68.8	70.0	71.3	71.5	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 2500	37.8	68.6	70.0	71.3	72.6	72.8	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 2000	38.0	69.1	70.6	72.0	73.3	73.5	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1800	38.0	69.1	70.6	72.0	73.3	73.5	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 1500	38.0	69.2	70.8	72.2	73.5	73.8	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 1200	38.1	69.3	71.1	72.6	73.9	74.1	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 1000	38.3	70.1	71.9	73.4	74.8	75.1	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 900	38.3	70.1	71.9	73.4	74.8	75.1	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 800	38.3	70.2	72.0	73.7	75.5	75.7	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 700	38.4	70.5	72.5	74.1	76.1	76.3	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 600	38.4	70.7	72.8	74.4	76.7	76.9	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 500	38.4	71.0	73.1	75.1	77.8	78.1	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 400	38.4	71.5	74.0	76.7	80.5	81.0	81.9	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 300	38.4	71.5	74.2	77.3	81.5	82.3	84.3	84.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 200	38.4	71.5	74.2	77.5	82.0	82.9	85.7	86.8	87.7	88.4	89.1	89.2	89.4	89.4	89.4	89.4
≥ 100	38.4	71.5	74.2	77.5	82.0	82.9	85.9	87.0	87.9	89.1	90.9	91.3	93.3	93.4	95.8	96.2
≥ 0	38.4	71.5	74.2	77.5	82.0	82.9	85.9	87.0	87.9	89.2	91.0	91.4	93.6	94.0	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 926

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]65	OTIS AFB MA	66-70,73,76-81	MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.): ALL

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	34.2	46.4	47.4	47.9	48.4	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 20000	35.6	48.8	49.9	50.3	50.8	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 18000	35.7	48.9	50.0	50.4	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 16000	35.7	48.9	50.0	50.5	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 14000	37.0	50.7	52.0	52.5	53.1	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 12000	37.6	51.8	53.1	53.6	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5
≥ 10000	39.3	55.2	56.7	57.3	57.9	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 9000	39.5	55.7	57.2	57.7	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 8000	41.9	59.5	61.0	61.7	62.4	62.5	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 7000	42.4	60.5	62.1	62.8	63.5	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	43.4	62.3	63.9	64.7	65.4	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	65.9
≥ 5000	44.4	64.4	66.2	67.0	67.8	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3
≥ 4500	44.9	65.2	66.9	67.7	68.6	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 4000	45.1	65.9	67.8	68.6	69.5	69.7	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.2
≥ 3500	45.5	66.6	68.5	69.3	70.2	70.5	70.7	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 3000	46.3	67.9	69.9	70.7	71.8	72.0	72.3	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 2500	46.9	68.8	70.8	71.7	72.7	73.0	73.3	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 2000	47.5	69.8	71.9	72.8	73.9	74.2	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8
≥ 1800	47.6	70.0	72.1	73.0	74.2	74.5	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 1500	48.1	70.7	72.9	73.9	75.0	75.3	75.6	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9
≥ 1200	48.4	71.4	73.7	74.6	75.9	76.2	76.5	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1000	48.7	72.1	74.5	75.6	76.9	77.2	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.9
≥ 900	48.8	72.5	74.9	76.0	77.4	77.7	78.1	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
≥ 800	49.0	73.1	75.8	77.0	78.5	78.9	79.3	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 700	49.1	73.6	76.5	77.8	79.5	80.0	80.5	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9
≥ 600	49.2	74.1	77.2	78.6	80.5	81.0	81.6	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 500	49.2	74.7	78.0	79.6	81.8	82.5	83.3	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9
≥ 400	49.2	74.9	78.5	80.6	83.3	84.2	85.2	85.9	86.1	86.4	86.5	86.5	86.5	86.5	86.5	86.5
≥ 300	49.2	75.0	78.7	81.0	84.0	85.0	86.7	87.7	88.1	89.0	89.2	89.2	89.3	89.3	89.4	89.4
≥ 200	49.2	75.1	78.7	81.0	84.3	85.4	87.5	88.9	89.6	91.3	92.2	92.2	92.7	92.8	92.9	93.0
≥ 100	49.2	75.1	78.7	81.0	84.3	85.4	87.6	89.3	90.1	92.2	93.5	93.6	95.5	95.6	97.2	97.9
≥ 0	49.2	75.1	78.7	81.0	84.3	85.4	87.6	89.3	90.1	92.2	93.6	93.7	95.6	95.8	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7434

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725068 OTIS AFB MA 68-70,73,75-80 JUN
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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	26.3	39.3	40.6	42.2	44.1	44.6	46.4	47.1	47.2	47.4	47.4	47.4	47.7	47.8	47.8	47.8
≥ 20000	26.4	39.8	41.3	42.8	44.7	45.3	47.2	48.0	48.1	48.3	48.3	48.3	48.5	48.7	48.7	48.7
≥ 18000	26.4	39.8	41.3	42.8	44.7	45.3	47.2	48.0	48.1	45.3	48.3	48.3	48.5	48.7	48.7	48.7
≥ 16000	26.4	39.8	41.3	42.8	44.7	45.3	47.2	48.0	48.1	48.3	48.3	48.3	48.5	48.7	48.7	48.7
≥ 14000	26.7	40.3	41.7	43.3	45.2	45.7	47.7	48.4	48.5	48.8	48.8	48.8	49.0	49.1	49.1	49.1
≥ 12000	27.1	40.8	42.3	44.0	45.9	46.4	48.3	49.1	49.2	49.4	49.4	49.4	49.7	49.8	49.8	49.8
≥ 10000	28.3	42.8	44.7	46.4	48.3	48.9	50.8	51.6	51.7	51.9	51.9	51.9	52.1	52.2	52.2	52.2
≥ 9000	28.3	43.0	44.9	46.5	48.4	49.0	50.9	51.7	51.8	52.0	52.0	52.0	52.2	52.3	52.3	52.3
≥ 8000	28.6	43.5	45.4	47.1	49.1	49.7	51.6	52.3	52.5	52.7	52.7	52.7	52.9	53.0	53.0	53.0
≥ 7000	29.0	44.2	46.1	47.9	50.1	50.7	52.6	53.4	53.5	53.7	53.7	53.7	53.9	54.0	54.0	54.0
≥ 6000	29.4	45.0	47.0	48.8	51.0	51.6	53.5	54.4	54.5	54.7	54.7	54.7	54.9	55.0	55.0	55.0
≥ 5000	30.1	46.9	49.2	51.2	53.6	54.1	56.2	57.0	57.2	57.4	57.4	57.4	57.6	57.7	57.7	57.7
≥ 4500	30.3	47.1	49.4	51.5	53.8	54.4	56.4	57.3	57.4	57.6	57.6	57.6	57.8	57.9	57.9	57.9
≥ 4000	31.4	49.0	51.3	53.4	55.8	56.4	58.6	59.5	59.6	59.8	59.8	59.8	60.1	60.2	60.2	60.2
≥ 3500	31.4	49.8	52.2	54.3	56.8	57.4	59.6	60.5	60.6	60.9	60.9	60.9	61.1	61.2	61.2	61.2
≥ 3000	32.3	50.9	53.4	55.5	58.1	58.6	60.9	62.0	62.1	62.3	62.3	62.3	62.5	62.6	62.6	62.6
≥ 2500	32.7	51.6	54.3	56.4	58.9	59.5	61.7	62.9	63.0	63.2	63.2	63.2	63.4	63.5	63.5	63.5
≥ 2000	32.9	51.9	54.8	57.0	59.6	60.4	62.8	63.9	64.0	64.2	64.2	64.2	64.4	64.5	64.5	64.5
≥ 1800	33.0	52.0	54.9	57.2	59.7	60.5	62.9	64.0	64.1	64.3	64.3	64.3	64.5	64.7	64.7	64.7
≥ 1500	33.2	52.8	55.7	57.9	60.5	61.3	63.6	64.8	64.9	65.1	65.1	65.1	65.3	65.4	65.4	65.4
≥ 1200	33.4	53.5	56.4	58.6	61.4	62.3	64.8	65.9	66.0	66.2	66.2	66.2	66.4	66.6	66.6	66.6
≥ 1000	33.6	53.8	56.7	58.9	61.7	62.6	65.1	66.3	66.4	66.8	66.8	66.8	67.0	67.1	67.1	67.1
≥ 900	33.6	53.9	56.8	59.1	61.9	62.8	65.2	66.4	66.6	66.9	66.9	66.9	67.1	67.2	67.2	67.2
≥ 800	33.6	54.7	57.6	60.0	63.0	63.9	66.3	67.6	67.7	68.0	68.0	68.0	68.2	68.3	68.3	68.3
≥ 700	33.9	55.3	58.3	60.6	64.2	65.1	67.9	69.5	69.6	69.9	69.9	69.9	70.1	70.2	70.2	70.2
≥ 600	34.0	55.6	58.7	61.1	65.0	66.0	68.9	70.8	70.9	71.3	71.3	71.3	71.5	71.6	71.6	71.6
≥ 500	34.0	56.3	59.7	62.5	67.0	68.0	71.5	73.6	73.7	74.0	74.0	74.0	74.3	74.4	74.4	74.4
≥ 400	34.0	57.0	61.0	64.1	68.9	70.0	74.5	76.8	77.6	78.3	78.3	78.3	78.5	78.6	78.6	78.6
≥ 300	34.0	57.3	61.3	64.4	70.2	71.8	77.0	80.0	81.3	82.2	82.3	82.3	82.6	82.7	82.7	82.7
≥ 200	34.0	57.3	61.4	64.5	71.0	72.6	78.9	82.6	84.0	85.3	86.1	86.2	86.6	87.0	87.0	87.0
≥ 100	34.0	57.3	61.4	64.5	71.4	72.9	79.4	83.1	85.1	87.8	89.5	89.7	92.5	93.6	95.7	96.4
≥ 0	34.0	57.3	61.4	64.5	71.4	72.9	79.4	83.1	85.1	87.8	89.5	89.7	92.6	93.7	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 894

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

AL CLIMATOLOGY BRANCH
ETAC
A. WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

6 — STATION | OTIS AFB MA — STATION NAME | 66-70,73,75-80 — YEARS | JUN — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 — HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	22.3	33.0	34.4	35.8	39.2	35.8	39.3	39.8	40.2	40.6	40.6	40.6	40.8	41.0	41.2	41.4
≥ 20000	22.9	34.3	35.6	37.2	39.5	40.3	40.8	41.4	41.7	42.2	42.2	42.2	42.4	42.5	42.7	43.0
≥ 18000	22.9	34.3	35.6	37.2	39.5	40.3	40.8	41.4	41.7	42.2	42.2	42.2	42.4	42.5	42.7	43.0
≥ 16000	22.9	34.3	35.6	37.2	39.5	40.3	41.1	41.6	42.0	42.4	42.4	42.4	42.6	42.7	43.0	43.2
≥ 14000	23.2	34.8	36.3	37.8	40.2	41.0	41.9	42.4	42.7	43.2	43.2	43.2	43.4	43.5	43.8	44.0
≥ 12000	23.2	35.2	36.6	38.2	40.5	41.3	42.2	42.7	43.1	43.5	43.5	43.5	43.8	43.9	44.1	44.3
≥ 10000	25.2	38.3	39.7	41.4	44.2	45.0	46.3	47.0	47.3	47.9	47.9	47.9	48.1	48.2	48.4	48.7
≥ 9000	25.3	38.5	40.0	41.6	44.6	45.4	46.8	47.4	47.8	48.3	48.3	48.3	48.5	48.7	48.9	49.1
≥ 8000	25.9	39.5	41.0	42.6	45.6	46.4	48.0	48.8	49.1	49.7	49.7	49.7	49.9	50.0	50.2	50.4
≥ 7000	26.6	40.6	42.1	43.8	46.9	47.7	49.2	50.0	50.3	50.9	50.9	50.9	51.1	51.2	51.5	51.7
≥ 6000	27.2	41.6	43.2	45.0	48.1	48.9	50.4	51.2	51.6	52.1	52.1	52.1	52.3	52.5	52.7	52.9
≥ 5000	28.1	43.3	45.0	47.1	50.3	51.2	52.8	53.6	53.9	54.5	54.5	54.5	54.7	54.8	55.0	55.2
≥ 4500	28.2	43.5	45.2	47.3	50.6	51.8	53.3	54.1	54.5	55.0	55.0	55.0	55.2	55.4	55.6	55.8
≥ 4000	28.8	44.5	46.2	48.3	51.7	53.0	54.6	55.5	55.8	56.4	56.4	56.4	56.6	56.7	56.9	57.1
≥ 3500	28.9	45.1	46.8	48.9	52.3	53.7	55.2	56.1	56.5	57.0	57.0	57.0	57.3	57.4	57.6	57.8
≥ 3000	29.2	45.9	47.7	49.8	53.3	54.7	56.4	57.4	57.7	58.3	58.3	58.3	58.5	58.6	58.8	59.0
≥ 2500	29.8	46.9	49.1	51.2	54.9	56.3	57.9	58.9	59.3	59.8	59.8	59.8	60.0	60.2	60.4	60.6
≥ 2000	30.2	47.3	49.8	51.9	55.8	57.1	58.8	59.8	60.2	60.7	60.7	60.7	60.9	61.0	61.3	61.5
≥ 1800	30.2	47.7	50.1	52.2	56.1	57.5	59.2	60.2	60.5	61.0	61.0	61.0	61.3	61.4	61.6	61.8
≥ 1500	30.4	48.2	50.9	53.0	56.9	58.3	59.9	61.0	61.4	61.9	61.9	61.9	62.2	62.3	62.5	62.7
≥ 1200	30.6	48.9	51.5	53.8	57.8	59.2	60.8	61.9	62.3	62.8	62.8	62.8	63.1	63.2	63.4	63.6
≥ 1000	30.8	49.4	52.0	54.4	58.4	59.9	61.6	62.7	63.1	63.7	63.7	63.8	64.1	64.2	64.4	64.6
≥ 900	30.8	49.4	52.1	54.5	58.7	60.3	61.9	63.1	63.4	64.1	64.2	64.3	64.5	64.6	64.8	65.1
≥ 800	30.9	49.6	52.2	54.7	59.2	60.7	62.4	63.5	63.8	64.5	64.6	64.7	65.0	65.1	65.3	65.5
≥ 700	30.9	49.7	52.5	54.9	60.3	61.8	63.7	65.1	65.4	66.1	66.2	66.3	66.5	66.6	66.9	67.1
≥ 600	30.9	50.3	53.1	55.6	61.4	63.2	65.3	66.6	67.0	67.6	67.7	67.9	68.1	68.2	68.4	68.6
≥ 500	31.0	51.2	54.1	57.1	63.5	65.3	68.1	69.4	69.9	70.8	70.9	71.0	71.2	71.3	71.5	71.8
≥ 400	31.0	51.6	54.7	57.9	65.3	67.5	71.2	73.1	73.9	75.3	75.4	75.6	75.8	75.9	76.1	76.3
≥ 300	31.0	51.6	54.9	58.6	66.3	68.6	73.2	75.6	76.7	78.3	78.7	78.8	79.1	79.2	79.5	79.7
≥ 200	31.0	51.6	54.9	58.6	66.6	69.1	74.1	77.6	79.1	82.6	84.2	84.4	84.8	85.2	85.4	85.6
≥ 100	31.0	51.6	54.9	58.6	66.7	69.2	74.2	77.7	79.4	83.1	86.0	86.4	89.1	90.0	93.2	94.2
≥ 0	31.0	51.6	54.9	58.6	66.7	69.2	74.2	77.7	79.4	83.1	86.0	86.4	89.4	90.3	94.5	100.0

TOTAL NUMBER OF OBSERVATIONS 896

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible] 68	OTIS AFB MA	68-70,73,75-80	JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	26.1	39.3	41.9	43.3	44.8	45.4	46.1	46.2	46.2	46.3	46.6	46.6	46.6	46.6	46.6	46.6
≥ 20000	28.9	40.4	43.0	44.4	45.9	46.6	47.2	47.3	47.3	47.4	47.7	47.7	47.7	47.7	47.7	47.7
≥ 18000	28.9	40.4	43.0	44.4	45.9	46.6	47.2	47.3	47.3	47.4	47.7	47.7	47.7	47.7	47.7	47.7
≥ 16000	28.9	40.4	43.0	44.6	46.1	46.8	47.4	47.6	47.6	47.7	47.9	47.9	47.9	47.9	47.9	47.9
≥ 14000	29.3	41.0	43.6	45.2	46.9	47.6	48.2	48.3	48.3	48.4	48.7	48.7	48.7	48.7	48.7	48.7
≥ 12000	30.0	41.8	44.4	46.2	47.9	48.6	49.2	49.3	49.3	49.4	49.7	49.7	49.7	49.7	49.7	49.7
≥ 10000	31.0	43.9	46.9	48.7	50.3	51.0	51.7	51.8	51.8	51.9	52.1	52.1	52.1	52.1	52.1	52.1
≥ 9000	31.0	43.9	46.9	48.8	50.6	51.2	52.0	52.1	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4
≥ 8000	31.9	45.1	48.4	50.3	52.4	53.2	54.3	54.4	54.4	54.6	54.8	54.8	54.8	54.8	54.8	54.8
≥ 7000	33.4	47.3	50.8	52.7	54.8	55.6	56.7	56.8	56.8	56.9	57.1	57.1	57.1	57.1	57.1	57.1
≥ 6000	34.0	48.2	51.7	53.6	55.7	56.4	57.6	57.8	57.8	57.9	58.1	58.1	58.1	58.1	58.1	58.1
≥ 5000	35.2	50.1	53.6	55.4	57.6	58.3	59.4	59.7	59.7	59.8	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4500	35.3	50.3	53.8	55.7	57.8	58.7	59.8	60.0	60.0	60.1	60.3	60.3	60.3	60.3	60.3	60.3
≥ 4000	36.3	52.1	55.6	57.4	59.7	60.6	61.7	62.0	62.0	62.1	62.3	62.3	62.3	62.3	62.3	62.3
≥ 3500	36.6	52.6	56.7	58.0	60.3	61.2	62.3	62.7	62.7	62.8	63.0	63.0	63.0	63.0	63.0	63.0
≥ 3000	37.1	53.1	56.7	58.7	61.0	61.9	63.1	63.4	63.4	63.7	63.9	63.9	63.9	63.9	63.9	63.9
≥ 2500	37.3	53.6	57.4	59.6	62.0	62.9	64.1	64.4	64.4	64.7	64.9	64.9	64.9	64.9	64.9	64.9
≥ 2000	37.7	54.8	58.7	60.8	63.2	64.1	65.3	65.7	65.7	65.9	66.1	66.1	66.1	66.1	66.1	66.1
≥ 1800	37.8	54.9	58.8	60.9	63.3	64.2	65.4	65.8	65.8	66.0	66.2	66.2	66.2	66.2	66.2	66.2
≥ 1500	38.0	55.8	59.7	61.8	64.2	65.1	66.4	66.8	66.8	67.0	67.2	67.2	67.2	67.2	67.2	67.2
≥ 1200	38.6	56.7	60.6	62.7	65.1	66.0	67.6	67.9	67.9	68.1	68.3	68.3	68.3	68.3	68.3	68.3
≥ 1000	38.9	57.2	61.1	63.3	66.0	66.9	68.4	68.8	68.8	69.0	69.2	69.2	69.2	69.2	69.2	69.2
≥ 900	38.9	57.4	61.4	63.7	66.6	67.4	69.0	69.3	69.3	69.6	69.8	69.3	69.8	69.8	69.8	69.8
≥ 800	39.3	58.0	62.4	64.9	67.9	68.8	70.3	70.7	70.7	70.9	71.1	71.1	71.1	71.1	71.1	71.1
≥ 700	39.4	58.3	62.9	65.4	68.6	69.7	71.2	71.7	71.7	71.9	72.1	72.1	72.1	72.1	72.1	72.1
≥ 600	39.6	58.8	63.7	66.6	70.1	71.2	72.8	73.4	73.4	73.7	73.9	73.9	73.9	73.9	73.9	73.9
≥ 500	39.6	59.0	63.9	67.8	72.1	73.6	76.1	77.0	77.2	77.4	77.7	77.7	77.7	77.7	77.7	77.7
≥ 400	39.6	59.3	64.7	69.0	73.9	75.8	79.0	80.7	81.1	81.4	81.7	81.7	81.7	81.7	81.7	81.7
≥ 300	39.7	59.7	65.1	69.8	75.2	77.3	81.2	84.1	84.9	85.3	85.6	85.6	85.7	85.7	85.7	85.7
≥ 200	39.7	59.8	65.2	69.9	75.4	78.0	83.0	87.0	88.0	89.1	91.1	91.2	91.7	91.8	91.9	91.9
≥ 100	39.7	59.8	65.2	69.9	75.4	78.0	83.1	87.2	88.2	89.6	91.9	92.0	93.4	94.0	96.9	97.9
≥ 0	39.7	59.8	65.2	69.9	75.4	78.0	83.1	87.2	88.2	89.6	91.9	92.0	93.4	94.0	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]	OTIS AFB MA	68-70,73,75-80	JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	36.1	48.4	51.0	52.2	53.3	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	37.2	49.7	52.2	53.4	54.6	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 18000	37.2	49.7	52.2	53.4	54.6	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 16000	37.2	49.7	52.2	53.4	54.6	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 14000	37.7	50.4	53.1	54.3	55.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 12000	38.7	51.8	54.4	55.7	56.9	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 10000	39.0	52.8	55.6	56.9	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	39.0	52.8	55.6	56.9	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000	40.4	55.1	58.4	60.0	61.4	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 7000	41.1	55.8	59.4	61.0	62.6	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 6000	41.4	56.3	60.0	61.7	63.2	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 5000	42.3	57.3	61.0	62.7	64.2	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 4500	42.4	57.7	61.3	63.0	64.6	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 4000	44.2	59.7	63.3	65.0	66.6	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 3500	44.4	60.0	63.7	65.3	66.9	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3000	45.3	61.0	64.7	66.4	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 2500	46.7	62.3	66.0	67.8	69.3	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 2000	47.8	64.3	68.1	70.0	71.8	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 1800	47.8	64.4	68.2	70.1	71.9	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 1500	49.4	67.2	71.1	73.1	74.9	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 1200	50.6	69.4	73.3	75.6	77.7	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 1000	51.0	70.0	74.2	76.6	78.9	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 900	51.2	70.8	75.1	77.4	79.9	80.7	80.9	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 800	51.6	72.4	76.9	79.6	82.3	83.1	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 700	51.7	73.1	77.8	80.7	83.4	84.3	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 600	51.8	73.8	78.6	81.7	84.7	85.7	86.7	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 500	51.8	74.4	79.3	82.9	86.1	87.6	88.6	89.1	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3
≥ 400	51.9	75.4	80.8	84.7	88.6	90.1	91.9	92.8	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2
≥ 300	51.9	75.4	81.0	85.0	89.1	90.9	93.3	94.9	95.2	95.9	96.3	96.3	96.3	96.3	96.3	96.3
≥ 200	51.9	75.4	81.0	85.0	89.2	91.0	93.9	95.7	96.1	97.2	98.1	98.1	98.3	98.3	98.4	98.4
≥ 100	51.9	75.4	81.0	85.0	89.3	91.1	94.0	95.9	96.4	97.6	98.7	98.8	99.3	99.4	99.7	99.7
≥ 0	51.9	75.4	81.0	85.0	89.3	91.1	94.0	95.9	96.4	97.6	98.7	98.8	99.3	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

768 | OTIS AFB MA | 68-70,73,75-80 | 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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	34.3	47.6	49.1	51.3	53.3	53.5	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	35.7	49.6	51.1	53.3	55.3	55.5	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 18000	35.9	49.7	51.2	53.4	55.4	55.6	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 16000	36.1	49.8	51.3	53.5	55.5	55.7	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 14000	36.9	50.9	52.4	54.6	56.8	57.1	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 12000	37.3	52.2	53.6	55.8	58.1	58.3	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 10000	38.9	54.4	55.8	58.1	60.3	60.5	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 9000	39.3	54.9	56.4	58.6	60.8	61.1	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 8000	40.9	57.5	59.6	61.8	64.1	64.3	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 7000	41.5	58.2	60.3	62.5	64.7	65.0	65.3	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 6000	41.6	58.4	60.5	62.7	65.4	65.6	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 5000	42.9	60.5	62.6	65.1	67.7	68.0	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 4500	43.7	60.6	62.7	65.2	67.9	68.1	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 4000	44.8	62.5	64.6	67.1	69.7	70.0	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 3500	45.3	63.2	65.3	67.7	70.4	70.6	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3000	47.1	65.5	67.7	70.2	72.9	73.1	73.5	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 2500	47.9	66.0	68.2	70.6	73.3	73.5	74.0	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 2000	48.5	67.9	70.1	73.0	76.0	76.2	77.1	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 1800	48.6	68.1	70.3	73.2	76.2	76.4	77.3	77.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1500	49.7	69.7	72.0	74.9	77.9	78.2	79.1	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 1200	50.7	72.2	74.4	77.3	80.3	80.6	81.5	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1000	51.6	73.4	76.0	79.0	82.1	82.5	83.5	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 900	51.9	74.4	77.2	80.2	83.3	83.8	85.0	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 800	52.4	75.3	78.1	81.2	84.5	85.0	86.3	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 700	52.5	76.2	79.5	82.9	86.5	87.2	88.7	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 600	52.7	76.6	80.5	84.0	87.7	88.3	89.9	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 500	52.7	77.3	81.5	85.4	89.4	90.2	92.0	93.4	93.5	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 400	52.9	77.8	82.0	86.0	90.5	91.5	93.5	95.3	95.4	96.9	97.0	97.0	97.0	97.0	97.0	97.0
≥ 300	52.9	77.8	82.1	86.2	91.2	92.2	94.5	96.7	96.8	98.4	98.7	98.7	98.8	98.8	98.8	98.8
≥ 200	52.9	77.8	82.1	86.2	91.2	92.3	94.8	96.9	97.1	98.8	99.3	99.3	99.6	99.6	99.6	99.6
≥ 100	52.9	77.8	82.1	86.2	91.2	92.3	94.8	97.0	97.3	99.0	99.7	99.7	99.9	99.9	100.0	100.0
≥ 0	52.9	77.8	82.1	86.2	91.2	92.3	94.8	97.0	97.3	99.0	99.7	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 899

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
725 68	OTIS AFB MA	68-70,73,75-80	JUN

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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33.1	44.3	45.7	49.3	51.8	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 20000	35.4	47.3	48.9	52.7	55.1	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 18000	35.4	47.3	48.9	52.7	55.1	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 16000	35.4	47.3	48.9	52.7	55.1	55.2	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 14000	37.4	49.8	51.3	55.1	57.6	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 12000	38.2	51.1	52.8	56.6	59.3	59.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 10000	40.0	53.6	55.4	59.2	62.1	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000	40.1	53.8	55.7	59.6	62.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 8000	41.6	55.7	58.0	62.2	65.1	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 7000	41.7	56.2	58.6	62.8	65.8	65.9	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 6000	42.3	56.9	59.1	63.3	66.3	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 5000	44.7	59.4	62.0	66.7	69.7	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 4500	44.9	59.9	62.4	67.1	70.1	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4000	46.2	61.7	64.3	69.1	72.1	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.5	72.6
≥ 3500	46.6	62.2	64.9	69.7	72.7	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 3000	47.9	64.6	67.3	72.2	75.2	75.3	75.8	75.8	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 2500	48.1	64.9	67.7	72.6	75.8	75.9	76.3	76.3	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 2000	48.9	66.0	68.8	73.7	77.0	77.1	77.6	77.6	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 800	49.0	66.1	69.0	73.9	77.2	77.3	77.8	77.8	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 1500	49.7	67.1	70.0	75.2	78.6	78.7	79.1	79.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1200	50.6	68.8	71.9	77.3	80.8	80.9	81.3	81.3	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1000	51.1	70.1	73.3	78.8	82.6	82.7	83.2	83.2	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 900	51.3	70.4	73.7	79.1	83.0	83.1	83.9	84.1	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 800	52.2	72.3	75.7	81.1	85.2	85.3	86.1	86.4	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 700	52.4	73.4	76.9	82.4	86.6	86.7	87.6	88.0	88.2	88.6	88.6	88.6	88.7	88.7	88.7	88.7
≥ 600	52.7	73.9	77.3	83.2	87.4	87.6	88.9	89.3	89.6	89.9	89.9	89.9	90.0	90.0	90.0	90.0
≥ 500	52.8	74.7	78.2	84.3	88.6	88.7	90.4	90.9	91.1	91.8	91.8	91.8	91.9	91.9	91.9	91.9
≥ 400	52.9	75.2	78.8	85.2	89.8	90.2	92.3	93.2	93.6	94.4	94.4	94.4	94.6	94.6	94.6	94.6
≥ 300	52.9	75.4	79.2	85.7	90.7	91.3	93.7	94.8	95.3	96.7	96.8	96.8	96.9	96.9	96.9	96.9
≥ 200	52.9	75.6	79.4	85.9	91.1	91.9	94.2	95.4	96.7	98.1	98.8	99.0	99.6	99.6	99.6	99.6
≥ 100	52.9	75.6	79.4	85.9	91.1	91.9	94.2	95.4	96.7	98.2	99.1	99.3	100.0	100.0	100.0	100.0
≥ 0	52.9	75.6	79.4	85.9	91.1	91.9	94.2	95.4	96.7	98.2	99.1	99.3	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

L AL CLIMATOLOGY BRANCH
AFETAC
A WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

68 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — YEARS
JU — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000 — HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	29.3	39.6	41.9	44.1	45.7	46.8	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 20000	30.6	42.2	44.5	46.9	49.6	49.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 18000	30.6	42.2	44.5	46.9	49.6	49.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 16000	30.6	42.2	44.5	46.9	49.6	49.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 14000	32.5	44.4	46.8	49.4	52.2	52.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 12000	33.2	45.7	48.0	50.9	54.0	54.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 10000	36.2	50.0	52.7	55.7	58.9	59.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 9000	36.4	50.2	52.9	55.9	59.1	59.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 8000	37.5	52.3	55.1	58.1	61.4	61.6	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 7000	37.9	53.1	55.9	58.9	62.1	62.4	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 6000	38.8	54.1	56.9	60.1	63.4	63.6	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 5000	40.3	56.3	59.4	62.9	66.4	66.6	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 4500	40.6	57.1	60.1	63.7	67.1	67.4	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4000	41.5	58.9	62.5	66.1	69.8	70.0	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 3500	41.8	59.2	62.9	66.6	70.3	70.7	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 3000	42.0	60.7	64.4	68.2	72.2	72.6	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500	42.0	60.9	64.9	68.6	72.7	73.2	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 2000	42.0	61.1	65.1	68.9	73.3	73.7	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 1800	42.0	61.1	65.1	68.9	73.3	73.7	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 1500	42.0	61.4	65.5	69.4	73.8	74.3	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 1200	42.0	61.4	65.6	69.5	73.9	74.4	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 1000	42.3	61.7	65.9	69.8	74.4	74.8	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9
≥ 900	42.4	62.4	66.7	70.7	75.3	75.8	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 800	42.9	63.1	67.6	71.7	76.5	77.1	78.8	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 700	43.0	63.5	68.0	72.3	77.3	78.0	80.1	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 600	43.1	65.3	70.0	74.4	79.8	80.7	83.1	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0
≥ 500	43.3	66.1	71.2	75.8	81.5	82.5	85.2	86.6	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1
≥ 400	43.3	66.8	72.4	77.1	83.0	84.0	87.0	88.6	88.9	89.5	89.6	89.6	89.6	89.6	89.6	89.6
≥ 300	43.3	67.1	72.8	78.0	84.4	85.5	89.0	90.8	91.5	92.4	92.7	92.7	92.9	92.9	92.9	92.9
≥ 200	43.3	67.3	72.9	78.1	84.9	86.1	89.9	92.0	93.1	94.1	94.7	94.8	95.7	95.8	96.0	96.0
≥ 100	43.3	67.3	72.9	78.1	84.9	86.1	89.9	92.1	93.2	94.7	95.7	95.8	97.1	97.2	98.1	98.2
≥ 0	43.3	67.3	72.9	78.1	84.9	86.1	89.9	92.1	93.2	94.7	95.8	95.9	97.3	97.4	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 898

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
7[illegible]68	OTIS AFB MA	68-70,73,75-80	JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	25.5	42.3	43.8	45.2	47.8	47.9	48.7	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 20000	25.6	43.0	44.5	46.1	48.7	48.8	49.6	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 18000	25.6	43.0	44.5	46.1	48.7	48.8	49.6	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 16000	25.6	43.0	44.5	46.1	48.7	48.8	49.6	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 14000	25.9	43.5	45.3	47.1	49.7	49.8	50.6	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 12000	26.3	43.9	45.7	47.4	50.0	50.1	51.2	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 10000	28.1	46.8	48.6	50.6	53.2	53.3	54.8	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 9000	28.4	47.1	48.9	50.9	53.6	53.7	55.1	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 8000	29.1	48.8	50.6	52.6	55.3	55.6	57.0	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 7000	29.1	49.0	50.8	52.8	55.6	55.8	57.2	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 6000	30.0	50.1	52.0	54.1	57.1	57.3	59.0	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 5000	31.3	53.3	55.2	57.6	60.8	61.0	62.8	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 4500	32.5	54.1	56.0	58.4	61.6	61.8	63.6	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 4000	33.1	55.7	58.0	60.4	63.6	63.8	65.8	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 3500	33.2	56.2	58.7	61.0	64.3	64.5	66.5	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 3000	33.3	56.9	59.5	61.8	65.1	65.5	67.6	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 2500	33.3	57.3	60.2	62.6	65.9	66.3	68.4	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 2000	33.4	57.5	60.4	62.8	66.3	66.6	68.8	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 1800	33.4	57.6	60.5	62.9	66.4	66.7	68.9	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 1500	33.4	57.9	60.8	63.3	66.7	67.0	69.3	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 1200	33.7	58.4	61.2	63.8	67.5	67.8	70.0	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 1000	34.3	59.0	61.9	64.5	68.2	68.5	70.7	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 900	34.5	59.5	62.4	65.0	68.7	69.0	71.4	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 800	34.5	59.8	62.7	65.4	69.0	69.5	71.8	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 700	34.5	60.2	63.3	66.0	69.7	70.2	72.7	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 600	35.0	60.8	63.9	66.8	70.8	71.4	74.1	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 500	35.0	61.2	64.7	67.9	72.6	73.3	76.2	77.3	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 400	35.0	61.9	65.7	69.3	74.4	75.3	78.6	79.7	80.8	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 300	35.0	61.9	65.8	69.9	76.2	77.5	81.4	82.9	84.4	85.1	85.1	85.1	85.2	85.2	85.2	85.2
≥ 200	35.0	61.9	65.8	70.0	76.7	78.2	82.6	84.9	86.7	88.1	89.1	89.1	89.6	89.9	89.9	90.0
≥ 100	35.0	61.9	65.8	70.0	76.8	78.3	82.7	85.2	87.9	90.6	92.7	92.8	94.5	95.1	96.7	97.1
≥ 0	35.0	61.9	65.8	70.0	76.8	78.3	82.7	85.2	87.9	90.6	92.7	92.8	95.0	95.5	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 898

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

68	OTIS AFB MA	66-70,73,75-80	JU
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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	29.4	41.8	43.5	45.4	47.5	47.9	48.5	48.8	48.8	48.9	48.9	48.9	49.0	49.0	49.1	49.1
≥ 20000	30.4	43.3	45.1	47.1	49.2	49.6	50.3	50.5	50.6	50.7	50.7	50.7	50.8	50.8	50.8	50.9
≥ 18000	30.4	43.3	45.2	47.1	49.2	49.6	50.3	50.5	50.6	50.7	50.7	50.7	50.8	50.8	50.8	50.9
≥ 16000	30.4	43.3	45.2	47.2	49.2	49.6	50.3	50.6	50.7	50.8	50.8	50.8	50.9	50.9	50.9	50.9
≥ 14000	31.2	44.4	46.3	48.4	50.5	50.9	51.6	51.9	52.0	52.1	52.1	52.1	52.2	52.2	52.2	52.2
≥ 12000	31.7	45.3	47.2	49.4	51.6	52.0	52.8	53.0	53.1	53.2	53.2	53.2	53.3	53.3	53.3	53.4
≥ 10000	33.3	47.8	49.9	52.1	54.4	54.9	55.8	56.0	56.1	56.2	56.3	56.3	56.3	56.3	56.4	56.4
≥ 9000	33.5	48.0	50.1	52.4	54.7	55.1	56.1	56.3	56.4	56.5	56.5	56.5	56.6	56.6	56.7	56.7
≥ 8000	34.9	49.7	52.1	54.4	56.8	57.3	58.3	58.6	58.6	58.7	58.8	58.8	58.8	58.9	58.9	58.9
≥ 7000	35.1	50.6	53.0	55.3	57.8	58.3	59.3	59.6	59.6	59.7	59.8	59.8	59.8	59.9	59.9	59.9
≥ 6000	35.6	51.3	53.8	56.2	58.8	59.2	60.3	60.6	60.7	60.8	60.8	60.8	60.8	60.9	60.9	60.9
≥ 5000	36.3	53.4	56.0	58.6	61.3	61.7	62.8	63.1	63.2	63.3	63.4	63.4	63.4	63.4	63.5	63.5
≥ 4500	37.2	53.8	56.4	59.0	61.7	62.2	63.3	63.6	63.7	63.8	63.8	63.8	63.9	63.9	63.9	63.9
≥ 4000	38.3	55.5	58.2	60.9	63.6	64.1	65.3	65.7	65.7	65.8	65.9	65.9	65.9	65.9	66.0	66.0
≥ 3500	38.5	56.0	58.8	61.4	64.3	64.8	65.9	66.3	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.7
≥ 3000	39.3	57.3	60.2	62.9	65.7	66.3	67.5	67.9	68.0	68.2	68.2	68.2	68.3	68.3	68.3	68.3
≥ 2500	39.7	57.9	61.0	63.7	66.6	67.2	68.4	68.9	68.9	69.1	69.1	69.1	69.2	69.2	69.2	69.3
≥ 2000	40.2	58.9	62.0	64.8	67.9	68.5	69.8	70.2	70.3	70.5	70.5	70.5	70.6	70.6	70.6	70.6
≥ 1800	40.2	59.0	62.1	64.9	68.0	68.6	69.9	70.4	70.5	70.6	70.7	70.7	70.7	70.8	70.8	70.8
≥ 1500	40.7	60.0	63.2	66.1	69.2	69.8	71.1	71.6	71.7	71.9	71.9	71.9	72.0	72.0	72.0	72.0
≥ 1200	41.3	61.2	64.4	67.3	70.6	71.2	72.6	73.1	73.2	73.4	73.4	73.4	73.4	73.5	73.5	73.5
≥ 1000	41.7	61.9	65.2	68.2	71.5	72.2	73.6	74.2	74.3	74.4	74.5	74.5	74.5	74.6	74.6	74.6
≥ 900	41.8	62.3	65.7	68.7	72.2	72.9	74.4	75.0	75.1	75.3	75.3	75.3	75.4	75.4	75.4	75.5
≥ 800	42.2	63.2	66.7	69.8	73.5	74.2	75.7	76.4	76.5	76.7	76.7	76.7	76.8	76.8	76.9	76.9
≥ 700	42.3	63.7	67.4	70.7	74.6	75.4	77.1	78.0	78.1	78.3	78.3	78.3	78.4	78.4	78.4	78.5
≥ 600	42.5	64.4	68.3	71.7	75.9	76.8	78.7	79.7	79.8	80.0	80.1	80.1	80.1	80.2	80.2	80.2
≥ 500	42.5	65.1	69.1	73.0	77.6	78.6	81.0	82.2	82.4	82.8	82.9	82.9	83.0	83.0	83.0	83.0
≥ 400	42.6	65.7	70.0	74.2	79.3	80.6	83.5	85.1	85.6	86.3	86.4	86.4	86.5	86.5	86.5	86.6
≥ 300	42.6	65.8	70.3	74.7	80.4	81.9	85.4	87.5	88.3	89.3	89.5	89.5	89.7	89.7	89.7	89.8
≥ 200	42.6	65.8	70.4	74.8	80.8	82.4	86.4	89.0	90.1	91.7	92.7	92.8	93.2	93.4	93.5	93.5
≥ 100	42.6	65.8	70.4	74.8	80.9	82.5	86.6	89.2	90.5	92.6	94.2	94.3	95.7	96.2	97.5	97.9
≥ 0	42.6	65.8	70.4	74.8	80.9	82.5	86.6	89.2	90.5	92.6	94.2	94.3	95.9	96.3	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7185

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: 6 | STATION NAME: OTIS AFB MA | YEARS: 68-70,73,75-80 | MONTH: JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	23.1	36.1	39.6	41.3	44.0	44.9	47.3	49.0	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.7
≥ 20000	23.1	36.9	39.4	42.0	44.7	45.7	48.1	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.5
≥ 18000	23.1	36.9	39.4	42.0	44.7	45.7	48.1	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.5
≥ 16000	23.1	36.9	39.4	42.0	44.7	45.7	48.1	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.5
≥ 14000	23.7	38.1	40.5	43.2	46.2	47.2	49.6	51.4	51.7	51.8	51.8	51.8	51.8	51.8	51.8	52.0
≥ 12000	24.2	38.9	41.4	44.2	47.2	48.2	50.5	52.4	52.7	52.8	52.8	52.8	52.8	52.8	52.8	53.0
≥ 10000	24.7	40.8	43.4	46.2	49.4	50.3	52.7	54.5	54.8	54.9	54.9	54.9	54.9	54.9	54.9	55.2
≥ 9000	24.7	40.8	43.4	46.2	49.4	50.3	52.7	54.5	54.8	54.9	54.9	54.9	54.9	54.9	54.9	55.2
≥ 8000	25.6	43.1	45.9	48.9	52.2	53.3	56.0	57.8	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.5
≥ 7000	25.6	43.5	46.2	49.4	52.6	53.8	56.5	58.3	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.9
≥ 6000	26.3	44.5	47.2	50.5	53.8	54.9	57.6	59.7	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.4
≥ 5000	27.7	46.9	49.6	53.1	56.3	57.5	60.2	62.3	62.7	62.8	62.8	62.8	62.8	62.8	62.8	63.0
≥ 4500	27.8	47.0	49.7	53.2	56.5	57.6	60.3	62.4	62.8	62.9	62.9	62.9	62.9	62.9	62.9	63.1
≥ 4000	27.8	47.1	49.8	53.5	57.1	58.3	61.0	63.0	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.8
≥ 3500	28.0	47.2	49.9	53.7	57.2	58.4	61.2	63.2	63.7	63.8	63.8	63.8	63.8	63.8	63.9	64.0
≥ 3000	28.3	48.0	50.8	54.5	58.2	59.4	62.4	64.4	64.8	64.9	64.9	64.9	64.9	64.9	64.9	65.2
≥ 2500	28.4	48.2	51.0	54.7	58.5	59.7	62.7	64.7	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.7
≥ 2000	28.5	48.4	51.2	55.1	58.8	60.0	63.1	65.2	65.8	65.9	65.9	65.9	65.9	65.9	65.9	66.1
≥ 1800	28.5	48.4	51.2	55.1	58.8	60.0	63.1	65.2	65.8	65.9	65.9	65.9	65.9	65.9	65.9	66.1
≥ 1500	28.5	48.4	51.2	55.1	58.8	60.1	63.3	65.4	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.3
≥ 1200	29.0	49.5	52.3	56.1	60.0	61.3	64.6	66.7	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.6
≥ 1000	29.4	50.2	53.0	56.9	61.0	62.3	65.8	67.8	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.8
≥ 900	29.4	50.9	53.7	57.6	61.9	63.2	66.8	68.8	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.8
≥ 800	29.8	51.7	54.7	58.7	63.2	64.5	68.3	70.3	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.3
≥ 700	29.9	52.2	55.6	59.7	64.4	65.7	70.1	72.2	72.8	72.9	72.9	72.9	72.9	72.9	72.9	73.1
≥ 600	29.8	52.7	56.2	60.4	66.1	67.5	72.5	74.5	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.5
≥ 500	29.8	53.3	57.1	61.5	67.5	68.9	74.6	76.7	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.7
≥ 400	29.9	53.9	58.2	63.1	69.5	71.0	76.8	78.9	79.8	80.3	80.3	80.3	80.4	80.4	80.4	80.6
≥ 300	29.8	54.2	58.5	63.4	70.2	71.7	77.8	80.6	81.9	82.9	83.0	83.0	83.1	83.1	83.1	83.3
≥ 200	29.8	54.2	58.5	63.4	70.4	72.2	78.8	82.4	83.7	85.8	86.6	86.6	87.4	87.5	87.6	87.8
≥ 100	29.8	54.2	58.5	63.4	70.4	72.2	79.0	83.0	84.4	87.4	89.4	89.5	92.7	92.9	94.8	95.8
≥ 0	29.8	54.2	58.5	63.4	70.4	72.2	79.0	83.0	84.4	87.4	89.5	89.6	92.9	93.3	96.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 6[illegible]	OTIS AFB MA	68-70,73,75-80	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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	[illegible]	32.2	34.5	36.4	39.1	39.7	41.7	42.9	43.1	43.5	43.9	43.9	44.3	44.3	44.4	44.4
≥ 20000	21.3	33.1	35.5	37.4	40.4	40.9	43.0	44.2	44.4	44.8	45.2	45.2	45.3	45.3	45.7	45.7
≥ 18000	21.3	33.1	35.5	37.5	40.5	41.1	43.1	44.3	44.5	44.9	45.3	45.3	45.4	45.4	45.8	45.8
≥ 16000	21.3	33.1	35.5	37.5	40.5	41.1	43.1	44.3	44.5	44.9	45.3	45.3	45.4	45.4	45.8	45.8
≥ 14000	21.6	34.8	37.4	39.4	42.7	43.4	45.7	46.9	47.1	47.5	47.8	47.8	48.0	48.0	48.4	48.4
≥ 12000	22.9	36.2	38.9	40.9	44.2	44.9	47.2	48.4	48.6	49.0	49.4	49.4	49.5	49.5	49.9	49.9
≥ 10000	24.0	39.6	41.3	43.4	46.9	47.6	50.1	51.3	51.5	51.9	52.4	52.4	52.5	52.5	52.9	52.9
≥ 9000	24.0	39.7	41.4	43.5	47.0	47.7	50.2	51.4	51.6	52.0	52.5	52.5	52.6	52.6	53.0	53.0
≥ 8000	24.5	40.2	43.2	45.7	49.4	50.2	53.0	54.4	54.7	55.3	55.7	55.7	55.8	55.8	56.3	56.4
≥ 7000	24.7	40.9	44.0	46.6	50.2	51.1	53.9	55.3	55.6	56.1	56.6	56.6	56.7	56.7	57.1	57.3
≥ 6000	24.9	42.1	45.2	47.7	51.4	52.4	55.2	56.6	57.1	57.7	58.1	58.1	58.2	58.2	58.6	58.6
≥ 5000	26.6	44.2	47.2	49.8	53.7	54.6	57.4	58.9	59.6	60.1	60.6	60.6	60.7	60.7	61.1	61.3
≥ 4500	26.7	44.6	47.6	50.2	54.2	55.2	58.0	59.6	60.3	60.9	61.3	61.3	61.4	61.4	61.9	62.1
≥ 4000	26.8	45.2	48.2	50.8	54.7	55.8	58.7	60.3	61.1	61.7	62.2	62.2	62.3	62.3	62.7	62.9
≥ 3500	27.7	45.4	48.4	51.0	55.0	56.0	58.9	60.6	61.3	62.0	62.4	62.4	62.5	62.5	62.9	63.1
≥ 3000	27.7	46.1	49.1	51.7	55.7	57.1	60.1	61.7	62.5	63.1	63.6	63.6	63.7	63.7	64.1	64.3
≥ 2500	27.8	46.3	49.4	51.9	55.9	57.3	60.3	62.0	62.7	63.4	63.9	63.9	63.9	63.9	64.3	64.5
≥ 2000	27.8	46.4	49.6	52.3	56.3	57.8	60.9	62.5	63.4	64.1	64.5	64.5	64.7	64.7	65.1	65.3
≥ 1800	27.9	46.4	49.6	52.3	56.3	57.9	61.0	62.6	63.5	64.2	64.7	64.7	64.8	64.8	65.2	65.4
≥ 1500	27.9	46.6	49.8	52.5	56.6	58.2	61.3	63.0	63.9	64.7	65.1	65.1	65.2	65.2	65.6	65.8
≥ 1200	28.1	46.8	50.0	52.8	57.1	58.8	62.0	63.7	64.5	65.3	65.7	65.7	65.8	65.8	66.3	66.5
≥ 1000	28.3	47.4	50.6	53.6	58.0	59.7	62.8	64.5	65.4	66.2	66.6	66.6	66.7	66.7	67.1	67.3
≥ 900	28.3	47.7	51.2	54.1	58.8	60.7	63.9	65.6	66.5	67.2	67.7	67.7	67.8	67.8	68.2	68.4
≥ 800	28.4	48.5	52.7	55.0	59.7	61.7	65.1	66.8	67.7	68.4	68.9	68.9	69.0	69.0	69.4	69.6
≥ 700	28.6	49.0	52.7	56.0	61.1	63.3	67.0	68.8	69.7	70.5	70.9	70.9	71.0	71.0	71.4	71.7
≥ 600	28.7	49.8	53.4	56.8	62.1	64.9	69.0	71.0	72.0	72.8	73.3	73.3	73.4	73.4	73.8	74.0
≥ 500	28.7	50.8	54.8	58.5	64.1	66.9	71.8	73.9	74.9	75.8	76.3	76.3	76.5	76.5	76.9	77.2
≥ 400	28.8	51.3	55.5	59.6	65.9	68.9	74.2	76.6	77.6	78.7	79.4	79.4	79.6	79.6	80.1	80.3
≥ 300	28.8	51.5	55.9	60.0	66.7	69.7	76.3	79.2	80.3	81.9	83.3	83.3	83.7	83.7	84.2	84.4
≥ 200	28.8	51.5	55.9	60.0	66.9	69.9	76.9	80.4	81.5	84.1	86.3	86.3	87.6	87.6	88.4	88.6
≥ 100	28.8	51.5	55.9	60.0	66.9	69.9	76.9	80.6	81.7	84.7	88.8	88.9	91.6	91.6	94.6	95.7
≥ 0	28.8	51.5	55.9	60.0	66.9	69.9	76.9	80.6	81.7	84.7	88.9	89.0	91.9	92.3	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 92[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 6 — STATION
OTIS AFB MA — STATION NAME
66-70,73,75-80 — YEARS
JUL — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	24.3	34.2	37.1	39.1	40.9	42.3	43.7	43.8	43.9	44.1	44.3	44.3	44.3	44.3	44.4	44.4
≥ 20000	25.3	35.7	38.6	40.9	42.7	44.1	45.5	45.6	45.7	45.9	46.1	46.1	46.1	46.1	46.2	46.2
≥ 18000	25.3	35.7	38.6	41.0	42.8	44.3	45.7	45.8	45.9	46.1	46.3	46.3	46.3	46.3	46.5	46.5
≥ 16000	25.3	35.7	38.6	41.0	42.8	44.3	45.7	45.8	45.9	46.1	46.3	46.3	46.3	46.3	46.5	46.5
≥ 14000	26.3	38.0	41.0	43.4	45.3	47.0	48.5	48.9	49.0	49.2	49.5	49.5	49.5	49.5	49.6	49.6
≥ 12000	27.1	38.9	41.9	44.8	46.8	48.6	50.1	50.5	50.6	50.9	51.1	51.1	51.1	51.1	51.2	51.2
≥ 10000	28.1	40.9	44.1	47.4	49.5	51.4	52.9	53.4	53.5	53.8	54.0	54.0	54.0	54.0	54.1	54.1
≥ 9000	28.4	41.5	44.8	48.2	50.2	52.2	53.7	54.2	54.3	54.5	54.7	54.7	54.7	54.7	54.8	54.8
≥ 8000	30.4	44.1	47.8	51.3	53.7	55.7	57.4	58.1	58.3	58.5	58.7	58.7	56.7	58.7	58.8	58.9
≥ 7000	31.1	45.3	49.0	52.5	54.8	57.0	58.7	59.4	59.6	59.8	60.1	60.1	60.1	60.1	60.2	60.2
≥ 6000	31.7	46.7	50.6	54.1	56.9	59.1	60.9	61.5	61.7	61.9	62.3	62.3	62.3	62.3	62.4	62.4
≥ 5000	33.4	48.5	52.5	56.0	58.9	61.2	63.0	63.7	64.0	64.2	64.5	64.5	64.5	64.5	64.6	64.6
≥ 4500	33.7	48.8	52.8	56.5	59.4	61.6	63.4	64.1	64.4	64.6	64.9	64.9	64.9	64.9	65.1	65.1
≥ 4000	33.7	49.2	53.2	56.9	59.8	62.0	64.0	64.6	64.9	65.2	65.5	65.5	65.5	65.5	65.6	65.6
≥ 3500	33.7	49.2	53.2	56.9	59.8	62.0	64.0	64.6	64.9	65.2	65.5	65.5	65.5	65.5	65.6	65.6
≥ 3000	34.1	49.8	53.8	57.5	60.4	62.7	64.8	65.6	65.9	66.1	66.5	66.5	66.5	66.5	66.6	66.6
≥ 2500	34.1	50.1	54.1	57.8	60.9	63.3	65.5	66.2	66.6	66.8	67.1	67.1	67.1	67.1	67.2	67.2
≥ 2000	34.4	51.0	54.9	58.7	61.7	64.2	66.3	67.1	67.4	67.6	68.0	68.0	68.0	68.0	68.1	68.1
≥ 1800	34.5	51.1	55.1	58.8	61.8	64.3	66.5	67.2	67.5	67.7	68.1	68.1	68.1	68.1	68.2	68.2
≥ 1500	34.7	51.8	55.8	59.6	62.6	65.1	67.2	68.1	68.4	68.6	68.9	68.9	68.9	68.9	69.0	69.0
≥ 1200	35.1	52.3	56.2	60.0	63.1	65.6	67.8	68.8	69.2	69.6	69.9	69.9	69.9	69.9	70.0	70.0
≥ 1000	35.3	52.8	56.9	60.6	64.2	66.7	69.0	70.1	70.5	70.9	71.2	71.2	71.2	71.2	71.3	71.3
≥ 900	35.9	53.8	57.8	61.8	65.6	68.2	70.6	71.7	72.2	72.5	72.8	72.8	72.8	72.8	72.9	72.9
≥ 800	36.0	54.3	58.5	62.5	66.2	68.8	71.3	72.5	72.9	73.2	73.5	73.5	73.5	73.5	73.7	73.7
≥ 700	36.2	54.6	58.8	63.0	67.7	71.0	73.5	74.8	75.4	75.7	76.0	76.0	76.0	76.0	76.1	76.1
≥ 600	36.2	55.3	59.6	64.2	69.2	73.1	76.2	78.0	78.6	79.2	79.7	79.7	79.7	79.7	79.8	79.8
≥ 500	36.3	56.2	61.0	65.8	71.1	75.2	78.5	80.2	81.1	81.8	82.4	82.4	82.5	82.5	82.6	82.6
≥ 400	36.3	56.8	61.7	67.1	72.8	77.0	81.0	83.2	84.2	85.3	86.0	86.0	86.1	86.1	86.2	86.2
≥ 300	36.3	57.0	62.2	68.0	74.1	78.4	83.0	85.5	86.7	88.3	89.4	89.4	89.7	89.8	89.9	89.9
≥ 200	36.3	57.0	62.3	68.1	74.4	78.9	83.9	86.5	87.7	90.2	91.6	91.7	92.6	92.9	93.1	93.1
≥ 100	36.5	57.1	62.4	68.2	74.6	79.1	84.1	87.1	88.4	91.3	93.3	93.5	94.9	95.4	96.9	97.7
≥ 0	36.5	57.1	62.4	68.2	74.6	79.1	84.1	87.1	88.4	91.3	93.3	93.5	95.2	95.8	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

6H — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — YEARS
JUL — MONTH
0900-1100 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	30.2	43.4	46.2	48.3	52.0	53.2	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 20000	31.5	45.9	48.8	51.0	54.8	56.0	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 18000	31.5	45.9	48.8	51.0	54.8	56.0	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000	31.5	45.9	48.8	51.0	54.8	56.0	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 14000	32.3	45.0	50.9	53.2	56.9	58.1	58.4	58.4	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 12000	33.0	49.4	52.5	54.8	58.6	59.7	60.1	60.1	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 10000	34.1	51.5	54.8	57.3	61.0	62.3	62.6	62.6	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 9000	34.2	52.0	55.3	57.8	61.6	62.9	63.2	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 8000	35.4	54.1	57.8	60.5	64.5	65.8	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 7000	36.4	55.7	59.3	62.0	66.0	67.3	67.6	67.6	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 6000	38.7	57.4	61.0	63.8	67.9	69.2	69.5	69.5	69.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 5000	38.6	58.1	61.9	64.7	68.8	70.2	70.6	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4500	38.6	58.2	62.0	64.8	69.9	70.3	70.8	70.8	70.8	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 4000	39.1	59.1	62.9	65.7	69.8	71.2	71.7	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 3500	39.1	59.3	63.1	65.9	70.0	71.4	71.9	71.9	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 3000	39.3	60.0	63.9	66.8	70.9	72.4	73.0	73.0	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 2500	39.6	60.5	64.5	67.4	71.5	73.3	73.8	73.8	73.8	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 2000	40.0	61.4	65.4	68.4	72.6	74.4	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 1800	40.4	61.7	65.8	68.7	72.9	74.7	75.2	75.2	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 1500	41.1	63.3	67.6	70.6	74.8	76.6	77.2	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 1200	42.3	65.4	70.3	73.7	78.3	80.3	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1000	43.3	67.7	72.6	76.1	80.6	82.7	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 900	43.4	68.1	73.0	76.9	81.4	83.4	84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 800	43.7	69.2	74.4	78.3	82.9	85.0	86.0	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 700	44.0	70.4	75.7	79.8	84.6	87.0	88.2	88.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 600	44.5	71.2	76.9	81.4	86.4	89.1	90.6	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 500	44.6	71.7	77.6	82.5	88.1	91.0	92.5	92.8	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 400	44.6	71.7	77.9	82.9	89.0	92.0	94.3	95.5	96.0	96.4	96.7	96.7	96.7	96.7	96.7	96.7
≥ 300	44.7	71.9	78.1	83.1	89.6	92.8	95.0	96.3	97.2	98.1	98.4	98.4	98.5	98.5	98.5	98.5
≥ 200	44.7	71.9	78.1	83.1	89.6	92.9	95.2	96.7	97.5	98.6	98.9	98.9	99.1	99.2	99.2	99.2
≥ 100	44.7	71.9	78.1	83.1	89.6	92.9	95.2	96.8	97.6	98.8	99.1	99.1	99.5	99.6	99.8	99.9
≥ 0	44.7	71.9	78.1	83.1	89.6	92.9	95.2	96.8	97.6	98.8	99.1	99.1	99.5	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 63 — STATION
OTIS AFB MA — STATION NAME
66-70,73,75-80 — YEARS
JUL — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400 — HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	32.2	46.2	49.8	52.0	56.3	57.0	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000	33.7	48.2	51.8	54.4	58.7	59.4	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 18000	33.7	48.3	52.9	54.5	59.8	59.5	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 16000	33.7	48.3	52.9	54.5	58.8	59.5	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 14000	35.3	51.0	53.7	57.3	61.6	62.3	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 12000	35.3	51.4	54.4	58.3	62.6	63.2	63.9	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 10000	36.1	53.3	56.7	61.5	65.9	66.8	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 9000	36.1	53.4	56.8	61.7	66.1	67.0	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 8000	37.4	55.4	58.8	63.9	68.3	69.2	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 7000	37.7	55.8	59.2	64.4	68.8	69.8	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 6000	38.8	57.1	60.5	65.7	70.1	71.1	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 5000	38.9	57.4	61.3	66.1	70.9	71.8	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4500	39.1	57.6	61.4	66.6	71.3	72.3	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 4000	39.6	58.6	62.7	67.8	72.6	73.5	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	40.2	59.5	63.7	68.8	73.5	74.5	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 3000	41.2	61.6	65.8	71.0	75.7	76.7	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 2500	41.4	62.2	66.5	71.6	76.3	77.3	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2000	42.4	64.3	68.9	74.4	79.2	80.2	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1800	42.4	64.5	69.1	74.6	79.5	80.4	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1500	44.0	67.4	72.3	77.7	82.8	83.8	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 1200	45.2	69.7	74.9	80.6	85.8	86.8	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1000	45.7	71.3	76.9	82.8	88.2	89.1	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 900	46.1	72.4	78.3	84.2	89.6	90.5	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 800	46.3	73.0	79.6	85.6	91.1	92.0	93.5	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 700	46.5	73.7	80.2	86.6	92.2	93.3	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	46.6	74.1	80.9	87.5	93.5	94.7	96.7	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 500	46.6	74.2	81.3	88.1	94.2	95.4	97.4	98.0	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	46.6	74.3	81.5	88.3	94.5	95.7	97.8	98.5	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	46.6	74.3	81.5	88.4	94.7	96.2	98.4	99.0	99.2	99.5	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	46.6	74.3	81.5	88.4	94.7	96.2	98.4	99.0	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	46.6	74.3	81.5	88.4	94.7	96.2	98.4	99.0	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	46.6	74.3	81.5	88.4	94.7	96.2	98.4	99.0	99.2	99.6	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 93[illegible]

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible] 68	OTIS AFB MA	68-70,73,75-80	JUL

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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	33.1	42.9	46.1	50.5	54.6	55.5	57.1	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 20000	31.4	44.8	48.3	52.9	56.9	58.0	59.5	59.7	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	31.3	45.1	48.7	53.2	57.3	58.3	59.8	60.1	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 16000	31.4	45.1	48.7	53.2	57.3	58.3	59.8	60.1	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 14000	33.3	47.8	51.3	55.9	60.0	61.0	62.5	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 12000	33.7	48.8	52.4	57.1	61.1	62.3	63.8	64.0	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 10000	35.1	51.2	55.0	60.4	64.9	66.1	67.7	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 9000	35.4	51.7	55.5	60.9	65.6	66.7	68.4	68.6	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 8000	37.4	54.6	58.7	64.2	68.8	70.0	71.6	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 7000	37.5	55.0	59.1	64.6	69.2	70.4	72.0	72.2	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 6000	38.3	56.2	60.4	65.9	70.5	71.7	73.3	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 5000	39.0	57.1	61.6	67.1	71.8	73.0	74.6	74.8	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 4500	39.3	57.8	62.3	67.8	72.6	73.7	75.3	75.6	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4000	39.6	58.4	63.1	68.7	74.0	75.1	77.0	77.2	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3500	39.9	58.9	63.5	69.1	74.5	75.7	77.5	77.7	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3000	40.7	60.3	64.9	70.5	76.2	77.4	79.4	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 2500	41.0	60.9	65.6	71.2	77.0	78.1	80.2	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 2000	42.1	62.4	67.3	72.9	78.8	80.0	82.2	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1800	42.2	62.6	67.5	73.1	79.0	80.2	82.5	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1500	43.5	64.7	69.6	75.6	81.5	82.7	84.9	85.1	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1200	44.5	66.4	71.5	77.6	83.9	85.0	87.3	87.5	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1000	44.9	68.2	73.3	79.8	86.3	87.7	90.1	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 900	45.1	68.9	74.1	80.6	87.2	88.8	91.2	91.5	91.5	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 800	45.1	69.9	75.3	82.1	88.7	90.3	92.8	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 700	45.3	70.6	76.2	83.2	89.9	91.9	94.5	94.9	94.9	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 600	45.4	70.7	76.3	83.7	90.5	92.9	95.6	96.1	96.1	96.4	96.6	96.6	96.6	96.6	96.6	96.6
≥ 500	45.4	70.8	76.5	84.0	90.7	93.1	95.9	96.6	96.6	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 400	45.4	70.8	76.6	84.2	91.0	93.6	96.4	97.5	97.6	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	45.4	70.9	76.7	84.3	91.1	93.9	96.8	97.8	98.4	99.0	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	45.4	70.9	76.7	84.3	91.1	94.0	96.9	98.0	98.5	99.4	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	45.4	70.9	76.7	84.3	91.1	94.0	96.9	98.0	98.5	99.4	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	45.4	70.9	76.7	84.3	91.1	94.0	96.9	98.0	98.5	99.4	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]69	OTIS AFB MA	68-70,73,75-80	JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	24.7	37.3	40.3	43.9	48.1	49.1	50.9	51.5	51.7	52.3	52.3	52.3	52.5	52.5	52.5	52.5
≥ 20000	26.3	39.6	42.7	46.5	50.9	52.1	53.9	54.5	54.7	55.3	55.3	55.3	55.6	55.6	55.6	55.6
≥ 18000	26.3	39.7	42.8	46.6	51.0	52.2	54.0	54.6	54.9	55.4	55.4	55.4	55.7	55.7	55.7	55.7
≥ 16000	26.5	39.9	43.0	46.8	51.2	52.4	54.3	54.8	55.0	55.7	55.7	55.7	55.9	55.9	55.9	55.9
≥ 14000	28.4	42.3	45.6	49.6	54.2	55.3	57.2	57.7	57.9	58.6	58.6	58.6	58.8	58.8	58.8	58.9
≥ 12000	29.1	43.9	47.5	51.6	56.3	57.6	59.5	60.1	60.3	60.9	60.9	60.9	61.2	61.2	61.2	61.2
≥ 10000	30.9	46.9	50.6	55.1	60.4	61.7	63.8	64.3	64.5	65.2	65.2	65.2	65.4	65.4	65.4	65.4
≥ 9000	30.9	47.2	51.1	55.7	60.9	62.2	64.3	64.8	65.0	65.7	65.7	65.7	65.9	65.9	65.9	65.9
≥ 8000	32.0	49.0	52.9	57.4	62.9	64.2	66.6	67.1	67.3	68.0	68.0	68.0	68.2	68.2	68.2	68.2
≥ 7000	32.4	49.9	53.8	58.4	64.0	65.3	67.6	68.2	68.4	69.0	69.0	69.0	69.3	69.3	69.3	69.3
≥ 6000	33.7	50.9	54.6	59.3	64.9	66.2	68.7	69.3	69.5	70.1	70.1	70.1	70.3	70.3	70.3	70.3
≥ 5000	34.3	51.8	56.0	60.6	66.7	68.0	70.6	71.1	71.3	72.0	72.0	72.0	72.2	72.2	72.2	72.2
≥ 4500	34.6	52.4	56.6	61.3	67.3	68.6	71.3	71.8	72.1	72.7	72.7	72.7	72.9	72.9	72.9	72.9
≥ 4000	34.7	53.2	57.4	62.2	68.4	69.7	72.5	73.0	73.2	73.9	73.9	73.9	74.1	74.1	74.1	74.1
≥ 3500	34.9	53.4	57.7	62.6	68.7	70.0	72.8	73.4	73.6	74.2	74.2	74.2	74.4	74.4	74.4	74.4
≥ 3000	34.9	53.6	58.0	62.9	69.5	70.8	73.7	74.2	74.4	75.1	75.1	75.1	75.3	75.3	75.3	75.3
≥ 2500	35.0	54.2	58.6	63.6	70.2	71.5	74.4	75.0	75.3	75.9	75.9	75.9	76.2	76.2	76.2	76.2
≥ 2000	35.1	54.6	59.2	64.1	70.8	72.1	75.3	75.8	76.2	76.8	76.8	76.8	77.0	77.0	77.0	77.0
≥ 1800	35.1	54.8	59.4	64.3	71.1	72.4	75.6	76.2	76.5	77.1	77.1	77.1	77.3	77.3	77.3	77.3
≥ 1500	35.4	55.2	60.0	64.8	71.6	73.0	76.3	76.8	77.1	77.8	77.8	77.8	78.0	78.0	78.0	78.0
≥ 1200	35.7	56.0	60.7	65.6	72.4	73.8	77.0	77.6	77.9	78.6	78.6	78.6	78.9	78.9	78.9	78.9
≥ 1000	36.4	57.5	62.2	67.2	74.2	75.6	78.9	79.4	79.7	80.5	80.5	80.5	80.7	80.7	80.7	90.7
≥ 900	36.5	58.4	63.2	68.2	75.3	76.8	80.0	80.7	81.0	81.8	81.8	81.8	82.0	82.0	82.0	82.0
≥ 800	36.6	59.1	64.2	69.1	76.3	78.0	81.8	82.4	82.7	83.5	83.5	83.5	83.7	83.7	83.7	83.7
≥ 700	36.6	59.8	65.2	70.2	77.7	79.6	83.5	84.1	84.6	85.4	85.5	85.5	85.8	85.8	85.8	85.8
≥ 600	36.6	60.3	65.9	71.2	78.9	80.9	85.0	85.9	86.3	87.3	87.4	87.4	87.6	87.6	87.6	87.6
≥ 500	36.6	60.8	66.8	72.2	80.3	82.6	87.2	88.2	88.7	89.8	90.1	90.1	90.3	90.3	90.3	90.3
≥ 400	36.7	61.1	67.2	72.8	81.3	83.7	88.3	89.8	90.4	91.7	92.1	92.1	92.3	92.3	92.3	92.3
≥ 300	36.7	61.4	67.5	73.5	82.3	84.7	89.4	91.0	92.0	93.4	94.1	94.1	94.3	94.3	94.3	94.3
≥ 200	36.8	61.5	67.6	73.6	82.5	84.9	89.8	92.0	93.2	94.9	96.1	96.2	96.4	96.4	96.8	96.8
≥ 100	36.9	61.7	67.9	73.8	82.7	85.1	90.1	92.3	93.6	95.6	97.5	97.6	98.1	98.1	99.0	99.1
≥ 0	36.9	61.7	67.9	73.8	82.7	85.1	90.1	92.3	93.6	95.7	97.6	97.7	98.2	98.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 927

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

6P	OTIS AFB MA	68-70,73,75-80	JUL
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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	21.8	36.6	38.9	42.7	46.5	47.2	49.5	50.4	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 20000	22.2	37.6	40.0	43.8	47.6	48.4	50.6	51.6	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 18000	22.2	37.6	40.0	43.8	47.6	48.4	50.6	51.6	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 16000	22.2	37.6	40.0	43.8	47.6	48.4	50.6	51.6	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 14000	24.1	39.7	42.3	46.3	50.2	51.0	53.2	54.2	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 12000	24.1	39.9	42.5	46.7	50.8	51.5	53.8	54.7	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 10000	24.3	41.9	44.7	49.2	53.4	54.4	56.7	57.6	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 9000	24.3	42.4	45.2	49.7	53.9	54.8	57.1	58.1	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 8000	25.3	43.9	46.7	51.5	55.7	56.7	59.2	60.2	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 7000	25.3	44.4	47.3	52.2	56.5	57.4	60.0	61.0	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 6000	26.8	45.5	48.4	53.2	57.5	58.5	61.1	62.0	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 5000	28.2	47.2	50.2	55.2	59.7	60.6	63.3	64.3	64.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 4500	28.4	47.6	50.6	55.7	60.2	61.2	64.0	64.9	65.6	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 4000	28.6	48.4	51.6	56.9	61.4	62.4	65.2	66.1	66.8	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 3500	28.6	48.5	51.7	57.0	61.5	62.6	65.4	66.3	67.0	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 3000	28.9	49.1	52.4	57.6	62.5	63.5	66.3	67.3	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 2500	29.2	49.5	52.8	58.1	62.9	64.0	66.8	67.7	68.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 2000	29.4	49.7	53.1	58.7	63.7	64.7	67.7	68.7	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 1800	29.4	49.7	53.1	58.7	63.7	64.7	67.7	68.7	69.7	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 1500	29.5	50.2	53.7	59.4	64.3	65.4	68.4	69.4	70.3	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 1200	29.6	50.5	54.0	59.7	64.6	65.7	68.8	69.8	70.8	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 1000	29.6	51.0	54.4	60.1	65.1	66.2	69.4	70.3	71.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 900	29.7	51.8	55.4	61.1	66.2	67.4	70.8	71.7	72.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 800	29.8	52.7	56.3	62.0	67.5	68.8	72.6	73.7	74.6	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 700	29.9	53.4	57.4	63.2	68.8	70.2	74.0	75.1	76.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 600	29.9	54.4	58.6	65.1	71.0	72.4	76.6	77.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 500	29.9	54.8	59.2	65.8	72.2	73.5	78.2	79.7	80.9	81.6	81.7	81.7	81.7	81.7	81.7	81.7
≥ 400	30.0	55.3	59.9	66.7	73.1	74.6	79.4	81.2	82.6	83.3	83.4	83.4	83.4	83.4	83.4	83.4
≥ 300	30.0	55.7	60.4	67.3	74.8	76.6	81.7	83.8	85.2	86.0	86.5	86.5	86.5	86.5	86.5	86.5
≥ 200	30.0	55.8	60.5	67.4	75.2	77.1	82.9	85.9	87.4	89.1	90.2	90.4	90.8	91.0	91.0	91.1
≥ 100	30.0	55.8	60.5	67.4	75.2	77.1	83.1	86.2	87.8	90.2	92.7	92.9	94.3	94.5	96.5	96.9
≥ 0	30.0	55.8	60.5	67.4	75.2	77.1	83.1	86.2	87.8	90.3	92.8	93.0	94.6	94.8	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible] 68	OTIS AFB MA	68-70,73,75-80	JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.): ALL

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	25.9	38.6	41.3	44.3	47.7	48.6	50.1	50.7	50.9	51.2	51.3	51.3	51.3	51.3	51.4	51.4
≥ 20000	26.3	40.2	43.0	46.1	49.6	50.6	52.1	52.7	52.9	53.2	53.2	53.2	53.3	53.3	53.4	53.4
≥ 18000	26.9	40.3	43.1	46.2	49.7	50.7	52.2	52.8	53.0	53.3	53.4	53.4	53.4	53.4	53.5	53.5
≥ 16000	26.9	40.3	43.1	46.2	49.7	50.7	52.3	52.9	53.1	53.3	53.4	53.4	53.4	53.4	53.5	53.5
≥ 14000	28.1	42.4	45.3	48.6	52.1	53.2	54.8	55.4	55.6	55.9	56.0	56.0	56.0	56.0	56.1	56.1
≥ 12000	28.6	43.4	46.4	49.8	53.4	54.5	56.1	56.8	57.0	57.2	57.3	57.3	57.4	57.4	57.4	57.4
≥ 10000	29.7	45.6	48.8	52.6	56.4	57.6	59.3	59.9	60.1	60.4	60.5	60.5	60.5	60.5	60.6	60.6
≥ 9000	29.8	46.0	49.2	53.0	56.8	58.0	59.7	60.4	60.5	60.8	60.9	60.9	60.9	60.9	61.0	61.0
≥ 8000	31.1	48.0	51.5	55.4	59.4	60.6	62.5	63.2	63.4	63.7	63.8	63.8	63.9	63.9	63.9	64.0
≥ 7000	31.4	48.8	52.3	56.2	60.3	61.5	63.4	64.1	64.3	64.6	64.7	64.7	64.7	64.7	64.8	64.8
≥ 6000	32.3	50.0	53.5	57.5	61.6	62.9	64.8	65.5	65.8	66.1	66.2	66.2	66.2	66.2	66.3	66.3
≥ 5000	33.4	51.4	55.0	59.1	63.3	64.6	66.6	67.3	67.6	67.9	68.0	68.0	68.0	68.0	68.1	68.2
≥ 4500	33.5	51.8	55.4	59.5	63.8	65.1	67.0	67.8	68.1	68.4	68.5	68.5	68.5	68.5	68.6	68.7
≥ 4000	33.7	52.4	56.1	60.3	64.7	66.0	68.1	68.9	69.2	69.5	69.6	69.6	69.6	69.6	69.7	69.7
≥ 3500	33.9	52.7	56.4	60.6	65.0	66.3	68.4	69.2	69.5	69.8	69.9	69.9	69.9	69.9	70.0	70.1
≥ 3000	34.4	53.6	57.3	61.6	66.1	67.5	69.7	70.5	70.8	71.1	71.2	71.2	71.2	71.2	71.3	71.4
≥ 2500	34.6	54.0	57.8	62.0	66.6	68.1	70.3	71.1	71.5	71.8	71.9	71.9	71.9	71.9	72.0	72.0
≥ 2000	35.0	54.8	58.7	63.1	67.7	69.2	71.5	72.3	72.7	73.0	73.1	73.1	73.1	73.1	73.2	73.3
≥ 1800	35.0	54.9	58.8	63.2	67.9	69.3	71.7	72.4	72.8	73.2	73.3	73.3	73.3	73.3	73.4	73.4
≥ 1500	35.6	56.0	60.0	64.4	69.1	70.6	72.9	73.8	74.2	74.5	74.6	74.6	74.6	74.6	74.7	74.7
≥ 1200	36.2	57.1	61.2	65.8	70.6	72.2	74.6	75.4	75.8	76.2	76.3	76.3	76.3	76.3	76.4	76.4
≥ 1000	36.6	58.3	62.5	67.1	72.2	73.8	76.2	77.1	77.5	77.9	77.9	77.9	78.0	78.0	78.1	78.1
≥ 900	36.8	59.0	63.3	68.1	73.3	74.9	77.4	78.3	78.7	79.1	79.2	79.2	79.2	79.2	79.3	79.3
≥ 800	37.0	59.8	64.4	69.2	74.5	76.2	78.9	79.8	80.3	80.6	80.7	80.7	80.7	80.7	80.8	80.9
≥ 700	37.1	60.5	65.2	70.2	75.8	77.7	80.7	81.7	82.1	82.5	82.6	82.6	82.6	82.6	82.7	82.8
≥ 600	37.2	61.1	66.0	71.3	77.2	79.4	82.8	83.9	84.4	84.8	85.0	85.0	85.0	85.0	85.1	85.1
≥ 500	37.2	61.6	66.8	72.3	78.5	80.8	84.5	85.8	86.3	86.9	87.1	87.1	87.2	87.2	87.2	87.3
≥ 400	37.3	61.9	67.3	73.1	79.6	82.1	86.0	87.6	88.4	89.1	89.4	89.4	89.5	89.5	89.6	89.6
≥ 300	37.3	62.1	67.6	73.5	80.4	83.0	87.3	89.2	90.1	91.1	91.7	91.7	91.9	91.9	91.9	92.0
≥ 200	37.3	62.1	67.7	73.5	80.6	83.3	87.8	90.1	91.1	92.7	93.7	93.8	94.2	94.3	94.5	94.6
≥ 100	37.3	62.2	67.7	73.6	80.7	83.3	88.0	90.4	91.4	93.4	95.1	95.2	96.4	96.5	97.7	98.1
≥ 0	37.3	62.2	67.7	73.6	80.7	83.3	88.0	90.4	91.4	93.4	95.1	95.2	96.5	96.8	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7433

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

68	OTIS AFB MA	68-70,73,75-80	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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	21.4	40.1	42.1	44.1	49.0	49.5	51.4	53.6	53.8	54.2	54.3	54.3	54.3	54.3	54.5	54.5
≥ 20000	21.4	41.1	43.1	45.1	50.0	50.4	52.4	54.6	54.8	55.2	55.3	55.3	55.3	55.3	55.5	55.5
≥ 18000	21.6	41.1	43.1	45.1	50.0	50.4	52.4	54.6	54.8	55.2	55.3	55.3	55.3	55.3	55.5	55.5
≥ 16000	21.6	41.1	43.1	45.1	50.0	50.4	52.4	54.6	54.8	55.2	55.3	55.3	55.3	55.3	55.5	55.5
≥ 14000	22.1	42.1	44.7	46.7	51.6	52.3	54.5	56.8	57.0	57.3	57.5	57.5	57.5	57.5	57.7	57.7
≥ 12000	22.7	42.9	45.8	47.8	52.7	53.4	55.6	57.9	58.1	58.4	58.6	58.6	58.6	58.6	58.8	58.8
≥ 10000	24.7	45.8	48.8	51.3	56.4	57.0	59.2	61.5	61.7	62.1	62.2	62.2	62.2	62.2	62.4	62.4
≥ 9000	24.4	45.9	48.9	51.4	56.5	57.1	59.3	61.6	61.8	62.2	62.3	62.3	62.3	62.3	62.5	62.5
≥ 8000	26.0	46.0	51.2	53.7	58.9	59.5	61.7	64.0	64.3	64.6	64.7	64.7	64.7	64.7	64.9	64.9
≥ 7000	26.1	48.4	51.8	54.3	59.4	60.2	62.4	64.7	64.9	65.2	65.4	65.4	65.4	65.4	65.6	65.6
≥ 6000	26.5	48.8	52.2	54.7	59.9	60.6	62.8	65.1	65.4	65.7	65.8	65.8	65.8	65.8	66.0	66.0
≥ 5000	27.1	49.7	53.1	55.6	60.7	61.5	63.8	66.2	66.4	66.8	66.9	66.9	66.9	66.9	67.1	67.1
≥ 4500	27.1	50.1	53.5	56.0	61.2	62.0	64.3	66.7	66.9	67.2	67.3	67.3	67.3	67.3	67.5	67.5
≥ 4000	27.5	51.0	54.4	57.0	62.2	62.9	65.2	67.7	67.9	68.2	68.3	68.3	68.3	68.3	68.5	68.5
≥ 3500	27.5	51.1	54.5	57.3	62.5	63.3	65.6	68.0	68.2	68.5	68.6	68.6	68.6	68.6	68.9	68.9
≥ 3000	27.5	51.3	54.9	57.8	62.9	63.7	66.0	68.6	68.9	69.2	69.3	69.3	69.3	69.3	69.5	69.5
≥ 2500	28.2	52.2	55.8	58.7	63.9	64.8	67.2	69.8	70.1	70.4	70.5	70.5	70.5	70.5	70.7	70.7
≥ 2000	28.5	52.6	56.5	59.3	64.6	65.5	67.9	70.5	70.7	71.1	71.2	71.2	71.2	71.2	71.4	71.4
≥ 1800	28.5	52.6	56.5	59.3	64.6	65.5	67.9	70.5	70.7	71.1	71.2	71.2	71.2	71.2	71.4	71.4
≥ 1500	28.5	52.9	56.8	59.6	65.0	65.9	68.3	71.1	71.3	71.6	71.7	71.7	71.7	71.7	71.9	71.9
≥ 1200	28.6	53.7	57.8	60.7	66.1	67.1	69.6	72.4	72.6	72.9	73.0	73.0	73.0	73.0	73.2	73.2
≥ 1000	28.6	54.1	58.3	61.4	66.9	67.9	70.5	73.4	73.7	74.0	74.1	74.1	74.1	74.1	74.3	74.3
≥ 900	28.6	54.2	58.4	61.5	67.0	68.0	70.7	73.7	74.1	74.5	74.6	74.6	74.6	74.6	74.8	74.8
≥ 800	28.6	54.4	58.7	61.7	67.8	68.8	71.7	74.7	75.1	75.4	75.5	75.5	75.5	75.5	75.8	75.8
≥ 700	28.7	55.2	59.5	62.7	69.0	70.0	72.9	75.9	76.3	76.6	76.8	76.8	76.8	76.8	77.0	77.0
≥ 600	28.7	55.5	60.0	63.2	69.4	70.6	74.0	77.1	77.5	78.0	78.1	78.1	78.1	78.1	78.3	78.3
≥ 500	28.8	56.3	61.1	65.2	72.3	74.0	77.6	81.0	81.5	81.9	82.0	82.0	82.0	82.0	82.2	82.2
≥ 400	29.1	56.7	61.6	65.9	73.7	75.5	79.3	82.8	83.2	83.9	84.0	84.0	84.0	84.0	84.2	84.2
≥ 300	29.1	56.7	61.6	65.9	74.2	76.2	81.9	85.9	86.3	87.3	87.7	87.7	87.7	87.7	87.9	87.9
≥ 200	29.1	56.9	61.7	66.0	74.8	76.9	83.1	87.7	88.4	90.7	91.8	91.9	92.7	92.7	92.9	92.9
≥ 100	29.1	56.8	61.7	66.0	74.8	76.9	83.1	87.7	88.4	91.9	93.8	94.0	95.7	96.3	97.9	98.1
≥ 0	29.1	56.8	61.7	66.0	74.8	76.9	83.1	87.7	88.4	92.0	93.9	94.1	95.8	96.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 912

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725 64 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — YEARS
AUG — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500 — HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	20.0	36.7	39.5	41.2	44.1	44.7	47.2	49.1	49.7	50.0	50.7	50.7	50.8	50.8	51.0	51.3
≥ 20000	20.2	37.8	40.6	42.3	45.2	45.8	48.3	50.2	50.8	51.1	51.7	51.7	51.9	51.9	52.1	52.4
≥ 18000	20.2	37.8	40.6	42.3	45.2	45.8	48.3	50.2	50.8	51.1	51.7	51.7	51.9	51.9	52.1	52.4
≥ 16000	20.2	37.8	40.6	42.3	45.2	45.8	48.3	50.2	50.8	51.1	51.7	51.7	51.9	51.9	52.1	52.4
≥ 14000	21.7	39.3	42.2	44.2	47.7	48.4	51.0	53.2	53.7	54.1	54.8	54.8	54.9	54.9	55.1	55.4
≥ 12000	21.2	39.9	42.7	44.8	48.3	48.9	51.5	53.7	54.2	54.7	55.3	55.3	55.4	55.4	55.7	56.0
≥ 10000	23.2	42.4	45.6	48.1	52.0	52.7	55.4	57.7	58.3	58.7	59.4	59.4	59.5	59.5	59.7	60.0
≥ 9000	23.2	42.5	45.8	48.3	52.1	52.8	55.6	57.8	58.4	58.8	59.5	59.5	59.6	59.6	59.8	60.1
≥ 8000	24.0	43.4	46.9	49.5	53.5	54.2	57.0	59.3	59.8	60.2	60.9	60.9	61.0	61.0	61.2	61.5
≥ 7000	24.1	43.6	47.3	49.8	54.0	54.8	57.5	59.8	60.3	60.8	61.4	61.4	61.5	61.5	61.8	62.1
≥ 6000	24.2	43.9	47.6	50.1	54.4	55.1	57.8	60.1	60.7	61.1	61.8	61.8	61.9	61.9	62.1	62.4
≥ 5000	24.8	45.4	49.3	51.9	56.2	57.0	59.7	62.1	62.7	63.2	63.8	63.8	63.9	63.9	64.2	64.5
≥ 4500	24.9	46.0	49.9	52.5	56.9	57.6	60.3	62.7	63.4	63.8	64.5	64.5	64.6	64.6	64.8	65.1
≥ 4000	25.5	46.6	50.5	53.3	57.8	58.6	61.4	63.8	64.5	64.9	65.6	65.6	65.7	65.7	65.9	66.2
≥ 3500	25.5	46.6	50.5	53.3	57.8	58.6	61.4	63.8	64.5	64.9	65.6	65.6	65.7	65.7	65.9	66.2
≥ 3000	25.5	46.7	50.7	53.6	58.3	59.0	61.9	64.3	64.9	65.4	66.0	66.0	66.1	66.1	66.3	66.7
≥ 2500	26.4	47.7	51.6	54.6	59.4	60.5	63.5	65.9	66.6	67.0	67.6	67.6	67.8	67.8	68.0	68.3
≥ 2000	26.6	48.3	52.2	55.2	60.2	61.4	64.5	66.9	67.6	68.1	68.7	68.7	68.8	68.8	69.1	69.4
≥ 1800	26.6	48.3	52.2	55.2	60.2	61.4	64.5	66.9	67.6	68.1	68.7	68.7	68.8	68.8	69.1	69.4
≥ 1500	26.7	48.8	52.7	55.8	60.9	62.3	65.4	67.9	68.6	69.1	69.7	69.7	69.8	69.8	70.0	70.4
≥ 1200	26.7	48.9	53.1	56.1	61.3	62.7	65.8	68.4	69.2	69.6	70.3	70.3	70.4	70.4	70.6	70.9
≥ 1000	26.8	49.5	53.7	56.8	62.1	63.5	66.6	69.3	70.0	70.5	71.1	71.1	71.2	71.2	71.5	71.8
≥ 900	26.9	49.6	53.8	57.0	62.4	63.9	67.0	69.7	70.5	70.9	71.6	71.6	71.7	71.7	71.9	72.2
≥ 800	26.9	50.0	54.2	57.4	63.1	64.7	68.1	70.8	71.7	72.1	72.8	72.8	72.9	72.9	73.1	73.4
≥ 700	27.1	50.4	54.7	58.2	64.2	65.8	69.2	71.9	72.8	73.2	73.9	73.9	74.0	74.0	74.2	74.5
≥ 600	27.3	51.5	56.3	59.9	66.6	68.2	71.8	74.5	75.4	75.9	76.6	76.6	76.7	76.7	76.9	77.2
≥ 500	27.8	52.4	57.3	61.2	68.5	70.3	74.1	77.6	78.4	79.3	80.0	80.0	80.1	80.1	80.3	80.6
≥ 400	27.8	52.8	58.0	62.1	69.6	71.8	76.0	80.1	81.2	82.8	83.6	83.6	83.8	83.8	84.0	84.3
≥ 300	27.8	52.8	58.1	62.2	70.3	72.7	77.2	81.9	83.3	85.8	86.8	86.8	87.0	87.0	87.3	87.6
≥ 200	27.8	52.9	58.2	62.3	70.5	73.0	78.1	83.0	84.7	88.2	89.8	89.8	90.8	90.8	91.1	91.4
≥ 100	27.8	52.9	58.2	62.3	70.6	73.1	78.6	83.7	85.4	89.7	91.4	91.5	94.2	94.3	96.5	97.2
≥ 0	27.9	53.1	58.3	62.4	70.7	73.2	78.8	83.8	85.5	89.8	91.5	91.6	94.3	94.8	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 918

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

68 | OTIS AFB MA | 68-70,73,75-80 | AUG
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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	25.9	36.5	38.3	40.9	43.6	44.7	46.8	47.6	48.1	48.4	48.5	48.5	48.5	48.5	48.6	48.8
≥ 20000	26.6	37.3	39.2	42.0	44.9	46.0	48.1	48.9	49.4	49.7	49.8	49.8	49.8	49.8	49.9	50.1
≥ 18000	26.6	37.3	39.2	42.0	44.9	46.0	48.1	48.9	49.4	49.7	49.8	49.8	49.8	49.8	49.9	50.1
≥ 16000	26.6	37.3	39.2	42.0	44.9	46.0	48.1	48.9	49.4	49.7	49.8	49.8	49.8	49.8	49.9	50.1
≥ 14000	27.6	38.9	40.8	43.7	46.9	48.2	50.5	51.4	51.9	52.3	52.4	52.4	52.4	52.4	52.5	52.7
≥ 12000	28.0	39.8	41.8	44.8	47.9	49.2	51.6	52.5	53.0	53.5	53.6	53.6	53.6	53.6	53.7	53.9
≥ 10000	31.1	44.0	46.5	50.0	53.9	55.2	58.0	59.0	59.5	60.0	60.1	60.1	60.1	60.1	60.2	60.4
≥ 9000	31.1	44.0	46.5	50.0	53.9	55.2	58.0	59.0	59.5	60.0	60.1	60.1	60.1	60.1	60.2	60.4
≥ 8000	31.5	45.2	47.7	51.2	55.2	56.5	59.4	60.4	60.9	61.4	61.5	61.5	61.5	61.5	61.6	61.8
≥ 7000	31.6	45.3	47.8	51.3	55.3	56.7	59.7	60.7	61.3	61.7	61.8	61.8	61.8	61.8	61.9	62.1
≥ 6000	32.4	46.2	48.8	52.6	56.7	58.1	61.1	62.1	62.7	63.1	63.2	63.2	63.2	63.2	63.3	63.5
≥ 5000	33.0	47.1	49.7	53.7	57.9	59.3	62.7	64.0	64.5	65.0	65.2	65.2	65.2	65.2	65.3	65.5
≥ 4500	33.0	47.3	49.9	53.9	58.1	59.5	62.9	64.2	64.7	65.3	65.4	65.4	65.4	65.4	65.5	65.7
≥ 4000	33.9	48.5	51.3	55.3	59.7	61.3	64.6	65.9	66.6	67.1	67.2	67.2	67.2	67.2	67.3	67.5
≥ 3500	34.0	48.7	51.6	55.6	60.1	61.6	64.9	66.2	66.9	67.4	67.5	67.5	67.5	67.5	67.6	67.9
≥ 3000	34.4	49.5	52.5	56.8	61.3	62.8	66.3	67.6	68.3	68.8	68.9	68.9	68.9	68.9	69.0	69.3
≥ 2500	35.2	50.2	53.2	57.6	62.0	63.5	67.1	68.4	69.0	69.6	69.7	69.7	69.7	69.7	69.8	70.0
≥ 2000	35.9	51.0	54.1	58.8	63.4	64.9	68.6	70.0	70.7	71.2	71.3	71.3	71.3	71.3	71.4	71.6
≥ 1800	35.9	51.0	54.1	58.8	63.4	64.9	68.6	70.0	70.7	71.2	71.3	71.3	71.3	71.3	71.4	71.6
≥ 1500	36.4	51.6	55.1	59.8	64.6	66.1	69.8	71.2	71.9	72.4	72.5	72.5	72.5	72.5	72.6	72.8
≥ 1200	36.7	52.2	55.7	60.5	65.4	66.9	70.9	72.4	73.2	73.7	73.8	73.8	73.8	73.8	74.0	74.2
≥ 1000	37.1	53.4	57.0	62.1	67.1	68.6	72.9	74.5	75.2	75.8	75.9	75.9	75.9	75.9	76.1	76.3
≥ 900	37.3	53.6	57.4	62.4	67.6	69.2	73.5	75.0	75.8	76.3	76.4	76.4	76.4	76.4	76.6	76.8
≥ 800	37.4	53.9	57.8	63.2	68.6	70.2	74.9	76.5	77.3	77.8	77.9	77.9	77.9	77.9	78.1	78.4
≥ 700	37.6	54.0	58.1	63.6	69.3	71.0	75.9	77.7	78.6	79.1	79.2	79.2	79.2	79.2	79.4	79.7
≥ 600	37.6	54.2	58.5	64.1	70.0	72.0	77.2	79.1	80.0	80.5	80.6	80.6	80.6	80.6	80.8	81.1
≥ 500	37.8	55.4	60.0	65.8	72.0	74.0	79.2	81.4	82.3	82.9	83.0	83.0	83.0	83.0	83.2	83.4
≥ 400	37.9	55.7	60.4	66.3	73.2	75.2	80.8	84.3	85.6	86.9	87.2	87.2	87.3	87.3	87.6	87.8
≥ 300	37.9	55.7	60.6	66.6	73.5	75.6	81.5	85.9	87.6	89.8	90.5	90.5	90.6	90.6	90.9	91.1
≥ 200	37.9	55.7	60.6	66.6	73.6	76.0	81.9	87.2	89.1	92.4	93.7	93.9	95.1	95.2	96.0	96.3
≥ 100	37.9	55.7	60.6	66.6	73.6	76.0	81.9	87.3	89.2	92.7	94.3	94.5	96.2	96.5	98.6	99.2
≥ 0	37.9	55.7	60.6	66.6	73.6	76.0	81.9	87.3	89.2	92.7	94.3	94.5	96.2	96.5	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 924

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

AL CLIMATOLOGY BRANCH
ETAC
A EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
6	OTIS AFB MA	68-70,73,75-80	AU

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	32.5	44.2	47.6	51.1	53.7	54.3	54.9	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	33.5	45.6	49.1	52.8	55.4	55.9	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 18000	33.5	45.6	49.1	52.8	55.4	55.9	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 16000	33.5	45.6	49.1	52.8	55.4	55.9	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 14000	34.9	48.0	51.5	55.1	57.9	58.4	59.0	59.0	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 12000	35.2	48.8	52.3	56.0	58.7	59.3	59.9	59.9	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 10000	37.3	52.4	56.4	60.5	63.5	64.2	64.9	64.9	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5
≥ 9000	37.5	52.7	56.7	60.7	63.8	64.6	65.2	65.2	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 8000	38.0	54.0	58.2	62.2	65.4	66.2	67.1	67.1	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	38.2	54.2	58.5	62.5	65.9	66.6	67.5	67.5	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 6000	38.7	54.7	59.2	63.2	66.6	67.4	68.4	68.4	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	39.1	55.4	59.9	63.9	67.6	68.4	69.3	69.3	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 4500	39.3	55.7	60.3	64.4	68.0	68.8	69.8	69.8	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 4000	39.4	56.6	61.6	65.7	69.4	70.3	71.4	71.4	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3500	39.4	56.6	61.6	65.7	69.4	70.3	71.4	71.4	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 3000	39.8	58.0	63.1	67.1	70.9	71.7	72.8	72.8	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 2500	40.3	58.5	63.7	67.7	71.5	72.4	73.5	73.5	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 2000	41.6	60.2	65.5	69.8	73.6	74.5	75.7	75.7	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 1800	42.0	60.8	66.2	70.4	74.2	75.2	76.4	76.5	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1500	42.9	62.0	67.4	71.6	75.9	76.9	78.1	78.2	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 1200	43.3	63.1	68.8	73.1	77.8	78.9	80.1	80.3	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1000	43.8	64.7	70.4	74.9	79.7	80.8	82.6	83.0	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 900	44.3	65.7	71.4	75.9	80.8	81.9	84.0	84.5	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 800	44.3	66.2	72.3	76.9	82.2	83.3	85.5	86.0	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 700	44.6	67.3	73.5	78.4	84.0	85.3	88.0	88.7	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 600	44.6	67.9	74.8	80.0	85.6	87.0	89.9	91.0	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 500	44.7	68.4	75.5	80.9	86.8	88.5	91.7	93.2	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 400	44.7	68.7	76.1	81.8	87.9	89.9	93.6	95.7	96.3	97.0	97.2	97.2	97.2	97.2	97.2	97.2
≥ 300	44.7	68.9	76.3	82.2	88.5	90.6	94.4	96.6	97.3	98.0	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200	44.7	68.9	76.3	82.3	88.6	90.7	94.6	97.1	98.0	98.8	99.3	99.3	99.7	99.7	99.7	99.7
≥ 100	44.7	68.9	76.3	82.3	88.6	90.7	94.6	97.1	98.0	98.8	99.5	99.5	99.8	99.8	99.8	99.8
≥ 0	44.7	68.9	76.3	82.3	88.6	90.7	94.6	97.1	98.0	98.8	99.5	99.5	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 923

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

6P — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — YEARS
[illegible] — MONTH
1200-1400 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	31.0	45.7	48.9	52.4	55.7	55.9	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	33.3	48.2	51.5	55.4	58.7	59.1	59.5	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 18000	33.3	48.2	51.5	55.4	58.7	59.1	59.5	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	33.3	48.2	51.5	55.4	58.7	59.1	59.5	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 14000	34.7	49.9	53.3	57.3	60.8	61.2	61.8	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 12000	35.3	50.5	54.1	58.1	61.7	62.1	62.7	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 10000	36.1	53.5	57.7	62.4	66.3	67.0	67.7	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 9000	36.4	53.8	58.0	62.9	66.7	67.4	68.1	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 8000	38.6	56.8	61.1	66.0	70.1	70.8	71.6	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 7000	39.1	57.6	61.9	66.7	70.8	71.6	72.4	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 6000	39.6	58.2	62.5	67.5	71.6	72.4	73.1	73.5	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 5000	40.5	59.4	63.7	68.7	72.8	73.5	74.3	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 4500	40.9	59.8	64.1	69.1	73.2	74.0	74.7	75.2	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4000	41.6	60.8	65.1	70.3	74.4	75.2	75.9	76.3	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	41.7	61.1	65.4	70.7	74.8	75.6	76.3	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	42.3	62.0	66.5	71.9	76.2	77.0	77.8	78.2	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 2500	42.9	62.7	67.3	72.7	77.0	77.9	78.7	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 2000	44.0	64.7	69.2	74.6	78.9	79.8	80.7	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1800	44.4	65.4	70.0	75.4	79.7	80.6	81.4	82.1	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1500	45.4	66.8	71.4	77.2	81.6	82.7	83.7	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 1200	46.2	69.2	73.8	79.9	84.4	85.6	86.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1000	46.7	70.1	74.8	81.0	85.6	86.8	88.0	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 900	46.8	70.7	75.5	81.6	86.3	87.6	89.0	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 800	47.0	71.2	76.2	82.7	87.6	89.3	91.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 700	47.1	71.9	77.2	83.8	89.0	90.8	92.5	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 600	47.1	72.7	78.1	84.7	90.2	92.1	94.0	95.1	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8
≥ 500	47.1	72.7	78.6	85.7	92.0	94.2	96.5	97.9	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 400	47.1	72.8	78.7	85.9	92.2	94.5	97.1	98.7	99.0	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	47.1	72.8	78.7	86.1	92.4	94.7	97.4	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	47.1	72.8	78.7	86.1	92.4	94.7	97.4	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	47.1	72.8	78.7	86.1	92.4	94.7	97.4	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	47.1	72.8	78.7	86.1	92.4	94.7	97.4	99.0	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 926

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 06	OTIS AFB MA	68-70,73,75-80	[illegible]
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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	27.6	41.8	44.6	48.4	51.6	52.3	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
≥ 20000	29.3	43.2	47.5	51.3	54.8	55.5	56.4	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 18000	29.4	43.3	47.6	51.4	55.0	55.6	56.5	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 16000	29.4	43.3	47.6	51.4	55.0	55.6	56.5	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 14000	31.1	45.3	49.7	53.8	57.8	58.4	59.3	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 12000	32.1	46.6	51.1	55.2	59.3	59.9	61.2	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 10000	33.7	49.5	54.8	59.2	63.6	64.4	65.8	66.6	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0
≥ 9000	34.2	49.9	55.3	59.6	64.1	65.0	66.4	67.1	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6
≥ 8000	35.5	52.2	57.5	62.0	67.1	68.0	69.5	70.3	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7
≥ 7000	36.1	52.9	58.3	62.7	67.9	68.8	70.3	71.0	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4
≥ 6000	37.0	53.9	59.3	63.7	68.9	69.7	71.2	72.0	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4
≥ 5000	37.7	55.2	61.1	65.8	71.0	71.9	73.4	74.1	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6
≥ 4500	38.1	55.4	61.3	66.1	71.3	72.2	73.7	74.5	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9
≥ 4000	38.8	56.1	62.1	67.0	72.3	73.2	74.7	75.4	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3500	38.9	56.3	62.2	67.1	72.4	73.3	74.8	75.5	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0
≥ 3000	40.1	57.5	63.6	68.9	74.4	75.2	76.7	77.6	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2500	40.3	58.3	64.4	69.8	75.3	76.2	77.8	78.7	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1
≥ 2000	41.4	59.9	66.3	71.7	77.4	78.2	79.8	80.8	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3
≥ 1800	41.8	60.6	66.9	72.3	78.0	78.9	80.5	81.5	81.8	81.8	81.9	82.0	82.0	82.0	82.0	82.0
≥ 1500	42.7	61.9	68.3	74.1	80.0	80.9	82.8	83.7	84.1	84.1	84.2	84.3	84.3	84.3	84.3	84.3
≥ 1200	43.2	63.3	69.9	76.0	81.9	82.9	84.8	85.8	86.1	86.1	86.2	86.3	86.3	86.3	86.3	86.3
≥ 1000	[illegible]	64.5	71.7	78.0	84.3	85.5	87.4	88.6	89.0	89.0	89.1	89.2	89.3	89.3	89.3	89.3
≥ 900	[illegible]	65.2	72.4	79.0	85.2	86.4	88.5	89.7	90.1	90.1	90.2	90.3	90.4	90.4	90.4	90.4
≥ 800	[illegible]	65.6	72.8	79.6	86.0	87.4	89.5	90.7	91.2	91.2	91.3	91.4	91.5	91.5	91.5	91.5
≥ 700	[illegible]	66.4	73.7	80.7	87.6	89.1	91.4	92.7	93.3	93.3	93.4	93.5	93.6	93.6	93.6	93.6
≥ 600	[illegible]	66.6	74.1	81.4	88.5	90.1	92.6	93.9	94.5	94.8	94.9	95.0	95.2	95.2	95.2	95.2
≥ 500	44.0	66.8	74.6	82.2	89.8	91.5	94.2	95.6	96.2	96.6	96.7	96.8	96.9	96.9	96.9	96.9
≥ 400	44.0	66.8	74.6	82.5	90.2	91.9	95.3	96.9	97.5	97.8	98.1	98.2	98.3	98.3	98.3	98.3
≥ 300	44.0	66.8	74.6	82.5	90.2	91.9	95.5	97.6	98.4	99.1	99.4	99.5	99.7	99.7	99.7	99.7
≥ 200	44.0	66.8	74.6	82.5	90.2	91.9	95.5	97.6	98.4	99.1	99.6	99.8	100.0	100.0	100.0	100.0
≥ 100	44.0	66.8	74.6	82.5	90.2	91.9	95.5	97.6	98.4	99.1	99.6	99.8	100.0	100.0	100.0	100.0
≥ 0	44.0	66.8	74.6	82.5	90.2	91.9	95.5	97.6	98.4	99.1	99.6	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 64	OTIS AFB MA	68-70,73,75-80	AUG
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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	23.3	35.5	41.9	45.5	48.7	49.4	51.1	51.6	52.0	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 20000	24.1	40.6	44.3	48.1	51.6	52.3	54.3	55.0	55.5	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 18000	24.1	40.8	44.5	48.3	51.8	52.5	54.5	55.2	55.7	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000	24.1	40.9	44.6	48.4	51.9	52.6	54.6	55.3	55.8	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 14000	25.6	42.7	46.4	50.6	54.3	55.0	57.1	58.0	58.5	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 12000	26.7	44.2	48.2	52.4	56.3	56.9	59.2	60.0	60.6	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 10000	28.2	46.0	50.3	54.5	59.3	60.2	63.0	64.2	64.8	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 9000	28.3	46.4	50.8	55.0	59.7	60.7	63.5	64.7	65.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 8000	29.5	48.0	52.6	57.1	62.4	63.6	66.5	67.8	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000	30.4	48.9	53.6	58.1	63.5	64.7	67.6	68.9	69.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 6000	31.7	50.3	55.0	59.5	65.0	66.2	69.2	70.5	71.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 5000	31.9	51.2	55.9	60.8	66.4	67.7	70.7	72.0	72.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4500	31.9	51.4	56.0	61.0	66.8	68.1	71.1	72.4	73.0	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 4000	32.4	52.2	56.9	61.9	67.7	69.1	72.2	73.5	74.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 3500	32.4	52.3	57.0	62.0	67.8	69.3	72.4	73.7	74.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000	32.8	52.6	57.4	62.5	68.3	69.9	73.1	74.4	74.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 2500	32.9	52.8	57.7	63.0	69.0	70.6	73.7	75.0	75.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2000	33.3	53.8	58.8	64.2	70.3	71.9	75.0	76.3	76.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 1800	33.3	53.9	58.9	64.3	70.4	72.0	75.1	76.4	76.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 1500	33.4	54.2	59.3	64.8	71.0	72.6	75.8	77.0	77.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8
≥ 1200	33.7	55.0	60.0	65.5	72.0	73.6	76.8	78.1	78.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8
≥ 1000	33.9	55.4	60.7	66.2	72.8	74.5	77.8	79.2	79.7	80.9	81.0	81.0	81.0	81.0	81.0	81.0
≥ 900	34.2	56.1	61.4	66.9	73.7	75.3	78.7	80.1	80.6	81.8	81.9	81.9	81.9	81.9	81.9	81.9
≥ 800	34.5	57.2	62.6	68.1	75.1	76.8	80.3	81.7	82.2	83.4	83.5	83.5	83.5	83.5	83.5	83.5
≥ 700	34.5	57.8	63.5	69.2	76.4	78.2	81.9	83.5	84.1	85.2	85.3	85.3	85.3	85.3	85.3	85.3
≥ 600	34.6	58.5	65.0	70.8	78.4	80.5	84.4	86.1	86.6	87.8	88.0	88.0	88.0	88.0	88.0	88.0
≥ 500	34.6	59.1	66.2	72.6	80.9	83.4	87.6	90.1	90.7	91.9	92.1	92.1	92.1	92.1	92.1	92.1
≥ 400	34.7	59.2	66.4	73.2	81.8	84.4	89.0	91.9	92.6	94.5	94.7	94.7	94.7	94.7	94.7	94.7
≥ 300	34.7	59.2	66.4	73.4	82.7	85.2	90.1	93.2	93.9	96.6	97.1	97.1	97.1	97.1	97.1	97.1
≥ 200	34.7	59.2	66.4	73.4	82.8	85.3	90.4	93.5	94.3	98.0	98.6	98.6	98.7	98.7	98.7	98.7
≥ 100	34.7	59.2	66.4	73.4	82.8	85.3	90.5	93.6	94.4	98.2	98.9	98.9	99.0	99.0	99.4	99.4
≥ 0	34.7	59.2	66.4	73.4	82.8	85.3	90.5	93.6	94.4	98.2	98.9	98.9	99.0	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 92[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] STATION
OTIS AFB MA STATION NAME
66-70,73,75-80 YEARS
AUG MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	24.7	42.2	44.9	47.5	50.8	51.6	54.3	55.5	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5
≥ 20000	24.4	43.7	46.4	49.0	52.3	53.2	56.2	57.5	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4
≥ 18000	24.4	43.8	46.5	49.1	52.4	53.3	56.3	57.6	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5
≥ 16000	24.4	43.8	46.5	49.1	52.4	53.3	56.3	57.6	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.5
≥ 14000	25.6	45.6	48.5	51.4	54.8	55.7	58.6	60.2	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1
≥ 12000	26.6	46.8	49.8	52.7	56.3	57.2	60.2	61.7	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6
≥ 10000	27.3	48.4	51.5	54.8	59.1	60.0	63.0	64.7	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7
≥ 9000	27.3	48.4	51.5	54.8	59.1	60.0	63.0	64.7	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7
≥ 8000	28.3	50.2	53.3	56.6	61.0	62.0	65.2	67.0	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9
≥ 7000	28.5	50.5	53.9	57.1	61.6	62.5	65.8	67.5	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5
≥ 6000	29.2	51.2	54.4	57.8	62.2	63.2	66.4	68.1	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1
≥ 5000	29.5	52.3	55.6	59.1	63.5	64.5	67.7	69.4	70.3	70.3	70.4	70.4	70.4	70.4	70.4	70.4
≥ 4500	29.5	52.5	55.8	59.3	63.7	64.7	67.9	69.7	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6
≥ 4000	29.8	52.9	56.3	59.8	64.3	65.3	68.7	70.5	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3500	29.9	53.2	56.6	60.2	64.6	65.7	69.0	70.8	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8
≥ 3000	30.1	53.5	56.8	60.6	65.1	66.3	69.8	71.6	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6
≥ 2500	30.3	53.7	57.0	61.1	65.9	67.1	70.5	72.4	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3
≥ 2000	30.9	54.2	57.7	61.8	66.5	67.7	71.2	73.0	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0
≥ 1800	30.9	54.2	57.7	61.8	66.5	67.7	71.2	73.0	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0
≥ 1500	30.9	54.5	58.0	62.1	66.8	68.0	71.5	73.3	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3
≥ 1200	31.0	55.1	58.5	62.6	67.5	68.7	72.1	74.1	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1
≥ 1000	31.3	55.7	59.4	63.5	68.4	69.7	73.2	75.3	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2
≥ 900	31.4	56.2	59.9	64.0	69.1	70.4	74.0	76.0	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0
≥ 800	31.6	56.7	60.5	64.8	70.0	71.3	74.9	77.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1
≥ 700	31.6	57.7	61.6	65.9	71.4	73.1	76.9	78.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0
≥ 600	31.6	58.5	63.0	67.3	73.1	75.3	79.2	81.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4
≥ 500	31.6	58.6	64.1	69.0	75.9	78.3	82.6	84.8	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0
≥ 400	31.6	59.4	65.6	70.7	78.3	80.7	85.6	88.1	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4
≥ 300	31.6	59.6	65.8	71.2	79.5	82.1	88.1	90.9	92.1	93.0	93.2	93.2	93.2	93.2	93.2	93.2
≥ 200	31.6	59.6	65.8	71.3	80.0	82.6	89.4	92.7	94.0	95.7	96.4	96.4	96.7	96.8	96.8	96.8
≥ 100	31.6	59.6	65.8	71.3	80.0	82.6	89.5	92.9	94.2	95.9	96.8	97.0	97.5	97.7	98.7	98.8
≥ 0	31.6	59.6	65.8	71.3	80.0	82.6	89.5	92.9	94.2	95.9	97.0	97.2	97.8	98.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 926

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

63 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — YEARS
AUG — MONTH
ALL — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	25.8	40.6	43.5	46.4	49.7	50.3	51.9	52.8	53.2	53.4	53.5	53.5	53.5	53.5	53.6	53.6
≥ 20000	26.6	42.2	45.2	48.2	51.6	52.3	54.0	54.9	55.4	55.6	55.7	55.7	55.7	55.7	55.8	55.8
≥ 18000	26.6	42.3	45.3	48.3	51.7	52.3	54.0	55.0	55.4	55.6	55.7	55.7	55.7	55.7	55.8	55.9
≥ 16000	26.6	42.3	45.3	48.3	51.7	52.3	54.0	55.0	55.4	55.6	55.7	55.7	55.8	55.8	55.8	55.9
≥ 14000	27.9	44.0	47.1	50.4	54.0	54.7	56.5	57.6	58.0	58.3	58.4	58.4	58.4	58.4	58.5	58.5
≥ 12000	28.5	44.9	48.2	51.5	55.2	55.9	57.8	58.9	59.4	59.6	59.7	59.7	59.8	59.8	59.8	59.9
≥ 10000	30.3	47.8	51.5	55.1	59.3	60.1	62.2	63.4	63.8	64.1	64.3	64.3	64.3	64.3	64.3	64.4
≥ 9000	30.4	48.0	51.7	55.3	59.5	60.4	62.4	63.6	64.1	64.4	64.5	64.5	64.5	64.5	64.6	64.7
≥ 8000	31.4	49.7	53.6	57.3	61.7	62.6	64.8	66.0	66.5	66.8	66.9	66.9	66.9	66.9	67.0	67.0
≥ 7000	31.9	50.2	54.1	57.8	62.3	63.2	65.4	66.6	67.1	67.4	67.5	67.5	67.5	67.5	67.6	67.7
≥ 6000	32.4	50.9	54.9	58.6	63.2	64.1	66.3	67.5	68.0	68.3	68.4	68.4	68.4	68.4	68.5	68.6
≥ 5000	33.0	52.0	56.0	59.9	64.5	65.5	67.7	69.0	69.5	69.8	69.9	69.9	70.0	70.0	70.0	70.1
≥ 4500	33.1	52.3	56.4	60.3	64.9	65.9	68.1	69.4	69.9	70.2	70.3	70.3	70.3	70.3	70.4	70.5
≥ 4000	33.6	53.1	57.3	61.3	66.0	67.0	69.3	70.6	71.1	71.4	71.5	71.5	71.6	71.6	71.6	71.7
≥ 3500	33.7	53.2	57.5	61.5	66.2	67.2	69.5	70.8	71.3	71.6	71.8	71.8	71.8	71.8	71.8	71.9
≥ 3000	34.1	53.9	58.2	62.4	67.2	68.2	70.6	71.9	72.4	72.7	72.9	72.9	72.9	72.9	72.9	73.0
≥ 2500	34.6	54.5	58.9	63.2	68.0	69.1	71.5	72.9	73.4	73.7	73.8	73.8	73.8	73.8	73.9	74.0
≥ 2000	35.3	55.6	60.1	64.4	69.4	70.5	72.9	74.3	74.9	75.2	75.3	75.3	75.3	75.3	75.4	75.5
≥ 1800	35.4	55.9	60.3	64.7	69.7	70.8	73.2	74.6	75.2	75.5	75.6	75.6	75.6	75.6	75.7	75.8
≥ 1500	35.9	56.6	61.1	65.7	70.8	72.0	74.4	75.9	76.4	76.7	76.9	76.9	76.9	76.9	77.0	77.0
≥ 1200	36.2	57.6	62.2	66.8	72.1	73.3	75.9	77.4	77.9	78.3	78.4	78.4	78.4	78.4	78.5	78.6
≥ 1000	36.5	58.4	63.3	68.0	73.4	74.7	77.4	79.1	79.6	79.9	80.1	80.1	80.1	80.1	80.2	80.3
≥ 900	36.7	58.9	63.8	68.6	74.1	75.4	78.2	79.9	80.4	80.8	80.9	80.9	81.0	81.0	81.0	81.1
≥ 800	36.9	59.4	64.4	69.3	75.1	76.5	79.5	81.2	81.8	82.2	82.3	82.3	82.3	82.3	82.4	82.5
≥ 700	36.9	60.1	65.2	70.3	76.4	77.9	81.1	82.9	83.6	83.9	84.0	84.0	84.1	84.1	84.2	84.2
≥ 600	37.0	60.7	66.2	71.4	77.8	79.5	82.9	84.8	85.5	85.9	86.1	86.1	86.1	86.1	86.2	86.3
≥ 500	37.1	61.2	67.2	72.9	79.8	81.8	85.5	87.7	88.4	88.9	89.1	89.1	89.1	89.1	89.2	89.3
≥ 400	37.1	61.5	67.7	73.6	80.9	83.0	87.1	89.8	90.6	91.5	91.8	91.8	91.8	91.8	91.9	92.0
≥ 300	37.1	61.6	67.8	73.8	81.4	83.7	88.3	91.4	92.3	93.7	94.2	94.2	94.2	94.2	94.3	94.4
≥ 200	37.1	61.6	67.8	73.8	81.6	83.9	88.8	92.3	93.3	95.4	96.2	96.2	96.7	96.8	96.9	97.0
≥ 100	37.1	61.6	67.8	73.8	81.7	83.9	88.9	92.4	93.4	95.8	96.8	96.9	97.8	98.0	98.9	99.1
≥ 0	37.1	61.6	67.8	73.9	81.7	83.9	88.9	92.4	93.4	95.8	96.8	97.0	97.9	98.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7385

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

AL CLIMATOLOGY BRANCH
AFETAC
A WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

68 OTIS AFB MA 66-70,73,75-80 SEP
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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	32.5	50.6	51.3	52.1	53.2	53.8	54.7	55.2	55.9	56.1	56.1	56.1	56.2	56.2	56.2	56.6
≥ 20000	33.3	51.7	52.8	53.8	54.9	55.5	56.3	56.9	57.6	57.8	57.8	57.8	57.9	57.9	57.9	58.2
≥ 18000	33.3	51.7	52.8	53.8	54.9	55.5	56.3	56.9	57.6	57.8	57.8	57.8	57.9	57.9	57.9	58.2
≥ 16000	33.3	51.7	52.8	53.8	54.9	55.5	56.3	56.9	57.6	57.8	57.8	57.8	57.9	57.9	57.9	58.2
≥ 14000	34.7	53.1	54.2	55.2	56.3	56.9	57.8	58.4	59.0	59.2	59.7	59.2	59.4	59.4	59.4	59.7
≥ 12000	34.9	53.3	54.5	55.5	56.6	57.1	58.0	58.6	59.2	59.5	59.5	59.5	59.6	59.6	59.6	59.9
≥ 10000	37.0	56.1	57.6	58.8	60.0	60.6	61.5	62.0	62.7	62.9	62.9	62.9	63.0	63.0	63.0	63.4
≥ 9000	37.0	56.1	57.6	56.8	60.0	60.6	61.6	62.1	62.8	63.0	63.0	63.0	63.1	63.1	63.1	63.5
≥ 8000	37.9	57.6	59.1	60.4	61.8	62.4	63.4	64.1	64.8	65.1	65.1	65.1	65.3	65.3	65.3	65.6
≥ 7000	38.5	58.7	60.4	61.6	63.0	63.6	64.8	65.6	66.3	66.6	66.6	66.6	66.7	66.7	66.7	67.0
≥ 6000	38.9	59.7	61.5	62.7	64.4	64.9	66.3	67.0	67.7	68.0	68.0	68.0	68.2	68.2	68.2	68.5
≥ 5000	39.8	61.2	63.3	64.4	66.0	66.6	67.9	68.7	69.4	69.7	69.7	69.7	69.8	69.8	69.8	70.2
≥ 4500	39.9	61.5	63.3	64.6	66.3	66.8	68.2	68.9	69.6	69.9	69.9	69.9	70.0	70.0	70.0	70.4
≥ 4000	41.3	63.5	65.3	66.6	68.3	68.8	70.2	70.9	71.6	71.9	71.9	71.9	72.0	72.0	72.0	72.4
≥ 3500	41.5	64.1	65.9	67.4	69.0	69.6	70.9	71.7	72.4	72.7	72.7	72.7	72.8	72.8	72.8	73.2
≥ 3000	42.8	65.7	67.5	69.2	70.8	71.5	72.8	73.6	74.3	74.6	74.6	74.6	74.7	74.7	74.7	75.1
≥ 2500	43.0	66.4	68.3	70.0	71.7	72.6	73.9	74.7	75.4	75.7	75.7	75.7	75.8	75.6	75.8	76.2
≥ 2000	43.4	67.7	69.6	71.5	73.4	74.3	75.7	76.5	77.2	77.5	77.5	77.5	77.6	77.6	77.6	78.0
≥ 1800	43.9	68.4	70.3	72.2	74.1	74.9	76.4	77.2	77.8	78.2	78.2	78.2	78.3	78.3	78.3	78.6
≥ 1500	44.3	69.4	71.4	73.3	75.2	76.1	77.5	78.3	79.0	79.3	79.3	79.3	79.4	79.4	79.4	79.7
≥ 1200	44.3	69.7	71.7	73.6	75.6	76.5	78.0	78.7	79.4	79.7	79.7	79.7	79.8	79.8	79.8	80.2
≥ 1000	44.3	70.0	72.4	74.5	76.6	77.5	79.1	79.8	80.5	80.8	80.8	80.8	81.0	81.0	81.0	81.3
≥ 900	44.5	70.6	73.1	75.2	77.3	78.4	80.0	80.8	81.5	81.8	81.8	81.8	82.0	82.0	82.0	82.3
≥ 800	44.7	71.3	73.8	76.1	78.3	79.4	81.0	81.8	82.5	82.9	82.9	82.9	83.0	83.0	83.0	83.3
≥ 700	44.7	71.4	73.9	76.3	78.6	79.7	81.3	82.2	82.9	83.2	83.2	83.2	83.3	83.3	83.3	83.6
≥ 600	44.7	71.8	74.9	77.5	80.4	81.5	83.4	84.7	85.4	85.9	85.9	85.9	86.0	86.0	86.0	86.3
≥ 500	44.8	72.6	75.9	78.5	81.6	82.7	85.4	87.0	87.6	88.1	88.1	88.1	88.2	88.2	88.2	88.5
≥ 400	44.9	72.9	76.4	79.5	83.0	84.5	87.8	89.6	90.6	91.2	91.2	91.2	91.3	91.3	91.3	91.6
≥ 300	44.8	72.9	76.4	79.5	83.1	84.7	88.5	90.5	91.9	92.8	92.9	92.9	93.0	93.0	93.0	93.3
≥ 200	44.9	72.9	76.4	79.5	83.1	84.7	89.2	91.3	92.8	93.9	94.4	94.5	94.8	94.8	94.8	95.1
≥ 100	44.9	72.9	76.4	79.5	83.1	84.7	89.3	91.4	92.9	94.3	95.1	95.2	95.7	95.7	96.2	97.3
≥ 0	44.9	72.9	76.4	79.5	83.1	84.7	89.3	91.4	92.9	94.3	95.1	95.2	95.7	95.7	96.7	100.0

TOTAL NUMBER OF OBSERVATIONS 898

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

63	OTIS AFB MA	68-70,73,75-80	SEP
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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	31.4	48.8	50.1	51.1	51.8	52.2	52.7	53.0	53.8	54.2	54.3	54.3	54.7	54.7	55.2	55.5
≥ 20000	32.3	49.9	51.4	52.4	53.2	53.5	54.1	54.3	55.2	55.5	55.6	55.6	56.1	56.1	56.5	56.9
≥ 18000	32.3	49.9	51.4	52.4	53.2	53.5	54.1	54.3	55.2	55.5	55.6	55.6	56.1	56.1	56.5	56.9
≥ 16000	32.3	49.9	51.4	52.4	53.2	53.5	54.1	54.3	55.2	55.5	55.6	55.6	56.1	56.1	56.5	56.9
≥ 14000	33.6	51.2	52.6	53.6	54.4	54.7	55.3	55.5	56.4	56.7	56.9	56.9	57.3	57.3	57.7	58.1
≥ 12000	33.6	51.2	52.6	53.6	54.4	54.7	55.3	55.5	56.4	56.7	56.9	56.9	57.3	57.3	57.7	58.1
≥ 10000	36.0	54.0	55.6	56.7	57.5	57.9	58.4	58.6	59.5	59.9	60.0	60.0	60.4	60.4	60.9	61.2
≥ 9000	36.0	54.5	56.2	57.3	58.1	58.4	59.0	59.2	60.1	60.4	60.5	60.5	61.0	61.0	61.4	61.8
≥ 8000	37.0	55.6	57.4	58.5	59.3	59.6	60.2	60.4	61.5	61.9	62.2	62.2	62.7	62.7	63.1	63.5
≥ 7000	37.1	56.9	58.4	59.9	60.8	61.2	61.9	62.1	63.2	63.5	63.9	63.9	64.3	64.3	64.8	65.2
≥ 6000	38.2	58.5	60.4	61.5	62.8	63.2	63.9	64.2	65.3	65.7	66.0	66.0	66.4	66.4	66.9	67.3
≥ 5000	38.7	59.3	61.2	62.4	64.0	64.4	65.1	65.4	66.6	66.9	67.2	67.2	67.7	67.7	68.1	68.6
≥ 4500	39.2	59.9	61.8	63.0	64.5	65.0	65.7	66.0	67.1	67.4	67.8	67.8	68.2	68.2	68.7	69.1
≥ 4000	41.0	61.9	63.9	65.1	66.9	67.4	68.1	68.5	69.6	69.9	70.2	70.2	70.7	70.7	71.1	71.6
≥ 3500	41.1	62.3	64.3	65.7	67.4	68.0	68.8	69.1	70.2	70.6	70.9	70.9	71.3	71.3	71.8	72.2
≥ 3000	42.6	64.3	66.3	67.7	69.6	70.1	70.9	71.2	72.4	72.7	73.0	73.0	73.5	73.5	73.9	74.4
≥ 2500	42.9	65.2	67.3	69.1	71.0	71.6	72.4	72.7	73.8	74.1	74.5	74.5	74.9	74.9	75.4	75.8
≥ 2000	43.3	66.4	68.6	70.3	72.4	73.0	73.9	74.2	75.4	75.7	76.0	76.0	76.5	76.5	76.9	77.4
≥ 1800	43.5	66.9	69.0	70.8	72.8	73.5	74.4	74.7	75.8	76.1	76.5	76.5	76.9	76.9	77.4	77.8
≥ 1500	43.9	67.9	70.0	71.9	73.9	74.7	75.6	75.9	77.1	77.5	77.8	77.8	78.3	78.3	78.7	79.2
≥ 1200	44.4	69.0	71.1	73.0	75.3	76.0	76.9	77.3	78.5	78.8	79.2	79.2	79.6	79.6	80.0	80.5
≥ 1000	44.4	69.1	71.3	73.4	75.8	76.6	77.5	77.8	79.2	79.5	79.8	79.8	80.3	80.3	80.7	81.2
≥ 900	44.6	69.8	72.0	74.0	76.5	77.3	78.1	78.6	79.9	80.3	80.6	80.6	81.0	81.0	81.5	81.9
≥ 800	44.6	69.9	72.2	74.4	76.9	77.8	78.7	79.2	80.5	80.8	81.2	81.2	81.6	81.6	82.1	82.5
≥ 700	44.6	70.2	72.9	75.6	78.5	79.4	80.4	80.9	82.4	82.7	83.1	83.1	83.5	83.5	83.9	84.4
≥ 600	44.6	70.2	73.0	75.7	78.7	79.7	80.9	81.6	83.1	83.4	83.7	83.7	84.2	84.2	84.6	85.1
≥ 500	44.6	70.2	73.5	76.1	79.5	80.7	82.6	83.3	85.1	85.5	86.3	86.3	86.7	86.7	87.2	87.6
≥ 400	44.6	70.5	73.9	77.3	80.7	82.1	84.3	85.5	87.5	88.3	89.3	89.3	89.7	89.7	90.2	90.6
≥ 300	44.6	70.7	74.1	77.6	81.0	82.5	85.1	87.1	89.6	90.9	92.3	92.3	92.8	92.8	93.2	93.6
≥ 200	44.6	70.7	74.1	77.6	81.0	82.5	85.3	87.5	90.2	91.4	93.5	93.6	94.5	94.5	95.0	95.4
≥ 100	44.6	70.7	74.1	77.6	81.0	82.5	85.3	87.6	90.3	91.6	93.9	94.1	95.8	95.9	96.8	98.0
≥ 0	44.6	70.7	74.1	77.6	81.0	82.5	85.3	87.6	90.3	91.6	93.9	94.1	95.8	95.9	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 897

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 68 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — 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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	39.1	45.9	46.8	48.9	50.2	50.7	51.2	52.0	52.4	52.7	52.8	52.9	53.0	53.0	53.0	53.7
≥ 20000	40.4	47.7	48.8	50.9	52.2	52.7	53.2	54.1	54.6	54.8	54.9	55.0	55.1	55.1	55.1	55.8
≥ 18000	40.4	47.7	48.8	50.9	52.2	52.7	53.2	54.1	54.6	54.8	54.9	55.0	55.1	55.1	55.1	55.8
≥ 16000	40.4	47.8	48.9	51.0	52.3	52.8	53.3	54.2	54.7	54.9	55.0	55.1	55.2	55.2	55.2	55.9
≥ 14000	41.7	49.4	50.6	52.7	54.0	54.4	55.2	56.1	56.6	56.8	56.9	57.0	57.1	57.1	57.1	57.8
≥ 12000	42.1	49.9	51.0	53.1	54.7	55.1	55.9	56.8	57.4	57.7	57.8	57.9	58.0	58.0	58.0	58.7
≥ 10000	44.4	52.9	54.0	56.3	57.9	58.3	59.1	60.0	60.7	60.9	61.0	61.1	61.2	61.2	61.2	61.9
≥ 9000	44.4	53.0	54.1	56.4	58.0	58.6	59.3	60.2	60.9	61.1	61.2	61.3	61.4	61.4	61.4	62.1
≥ 8000	46.1	55.1	56.3	58.7	60.6	61.2	62.2	63.1	63.9	64.1	64.2	64.3	64.6	64.6	64.6	65.2
≥ 7000	47.2	56.4	57.7	60.0	61.9	62.6	63.6	64.4	65.2	65.4	65.6	65.7	65.9	65.9	65.9	66.6
≥ 6000	48.4	58.2	59.4	61.8	64.0	64.7	65.7	66.7	67.6	67.8	67.9	68.0	68.2	68.2	68.2	68.9
≥ 5000	49.3	59.4	60.7	63.1	65.4	66.1	67.1	68.1	69.0	69.2	69.3	69.4	69.7	69.7	69.7	70.3
≥ 4500	49.9	60.0	61.2	63.7	66.1	66.8	67.8	68.9	69.8	70.0	70.1	70.2	70.4	70.4	70.4	71.1
≥ 4000	51.1	61.3	62.7	65.1	67.6	68.2	69.3	70.4	71.3	71.6	71.7	71.8	72.0	72.0	72.0	72.7
≥ 3500	51.2	61.4	62.8	65.2	67.7	68.3	69.4	70.7	71.6	71.8	71.9	72.0	72.2	72.2	72.2	72.9
≥ 3000	51.9	62.3	63.7	66.2	69.0	69.7	70.9	72.1	73.0	73.2	73.3	73.4	73.7	73.7	73.7	74.3
≥ 2500	52.3	62.9	64.4	67.1	69.9	70.7	72.0	73.2	74.1	74.3	74.4	74.6	74.8	74.8	74.8	75.4
≥ 2000	53.7	64.3	65.9	68.6	71.4	72.6	73.9	75.1	76.0	76.2	76.3	76.4	76.7	76.7	76.7	77.3
≥ 1800	53.7	64.3	65.9	68.6	71.4	72.6	73.9	75.1	76.1	76.3	76.4	76.6	76.8	76.8	76.8	77.4
≥ 1500	54.4	65.7	67.2	69.9	72.8	74.1	75.4	76.8	77.8	78.1	78.2	78.3	78.6	78.6	78.6	79.2
≥ 1200	54.9	66.4	68.3	71.1	74.1	75.7	77.0	78.3	79.3	79.7	79.8	79.9	80.1	80.1	80.1	80.8
≥ 1000	55.1	67.1	69.3	72.1	75.1	76.8	78.1	79.6	80.6	81.0	81.1	81.2	81.4	81.4	81.4	82.1
≥ 900	55.4	68.2	70.6	73.4	76.4	78.1	79.6	81.0	82.0	82.4	82.6	82.7	82.9	82.9	82.9	83.6
≥ 800	55.6	69.0	71.3	74.3	77.3	79.1	80.6	82.2	83.2	83.8	83.9	84.0	84.2	84.2	84.2	84.9
≥ 700	55.7	69.2	71.9	74.9	78.1	79.9	81.4	83.1	84.2	84.8	84.9	85.0	85.2	85.2	85.2	85.9
≥ 600	55.7	69.4	72.1	75.1	78.6	80.6	82.4	84.6	85.8	86.3	86.4	86.6	86.8	86.8	86.8	87.4
≥ 500	55.7	69.7	72.7	75.8	79.6	81.7	83.9	86.7	88.1	89.1	89.2	89.3	89.6	89.6	89.6	90.2
≥ 400	55.7	69.7	72.9	76.2	80.2	82.6	85.8	89.2	90.8	92.7	93.0	93.1	93.3	93.3	93.3	94.0
≥ 300	55.7	69.7	72.9	76.4	80.7	83.6	87.1	90.8	92.6	94.8	95.3	95.4	95.7	95.7	95.7	96.3
≥ 200	55.7	69.7	72.9	76.4	80.7	83.6	87.1	91.2	93.0	95.6	96.2	96.3	96.8	96.8	97.2	97.9
≥ 100	55.7	69.7	72.9	76.4	80.7	83.6	87.1	91.3	93.1	95.7	96.8	96.9	97.6	97.6	98.1	99.3
≥ 0	55.7	69.7	72.9	76.4	80.7	83.6	87.1	91.3	93.1	95.7	96.8	97.0	97.7	97.7	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725068 OTIS AFB MA 68-70,73,75-80 SEP
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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	42.9	49.7	51.1	52.4	54.1	54.9	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	44.7	51.9	53.3	54.8	56.6	57.3	57.4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 18000	44.7	51.9	53.3	54.8	56.6	57.3	57.4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 16000	44.7	52.0	53.4	54.9	56.7	57.4	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 14000	47.4	55.0	56.4	57.9	59.7	60.4	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 12000	48.0	55.8	57.3	58.8	60.6	61.3	61.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 10000	48.9	57.1	58.9	60.4	62.3	63.1	63.2	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 9000	49.0	57.2	59.0	60.7	62.6	63.3	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 8000	50.3	58.8	61.0	62.7	64.6	65.3	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000	50.4	59.6	61.8	63.4	65.3	66.1	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 6000	51.6	60.7	62.9	64.7	66.6	67.3	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 5000	53.1	62.3	64.8	66.6	68.4	69.2	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 4500	53.2	62.4	64.9	66.7	68.6	69.3	69.4	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4000	54.1	63.9	66.3	68.1	70.0	70.8	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3500	54.2	64.0	66.4	68.2	70.1	70.9	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 3000	55.2	65.0	67.8	69.7	71.6	72.3	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2500	56.9	66.8	69.6	71.4	73.3	74.1	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 2000	58.2	69.8	72.7	74.8	77.3	78.1	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1800	58.3	69.9	72.8	75.0	77.8	78.6	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 1500	59.3	71.2	74.3	76.6	79.4	80.3	80.6	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1200	59.8	72.8	76.0	78.6	81.7	82.8	83.0	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1000	60.2	74.1	78.0	80.8	83.9	85.0	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900	60.3	74.7	78.7	81.4	84.6	85.7	85.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 800	60.7	75.2	79.3	82.4	85.6	86.7	86.9	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 700	60.8	75.8	80.0	83.2	86.6	87.8	88.3	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 600	61.0	77.2	81.4	84.9	88.3	89.8	90.6	91.2	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 500	61.0	77.6	82.2	85.8	89.8	91.6	92.4	93.7	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 400	61.0	77.8	82.6	86.1	90.1	92.1	93.3	95.2	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 300	61.0	77.9	82.7	86.3	90.3	92.3	93.9	96.1	97.0	98.3	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200	61.1	77.9	82.7	86.3	90.3	92.3	94.0	96.4	97.3	98.8	99.2	99.2	99.3	99.3	99.3	99.3
≥ 100	61.1	78.0	82.8	86.4	90.4	92.4	94.1	96.6	97.4	99.0	99.4	99.4	99.6	99.6	99.8	99.8
≥ 0	61.1	78.0	82.8	86.4	90.4	92.4	94.1	96.6	97.4	99.0	99.7	99.7	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

LOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725 65 OTIS AFB MA 68-70,73,75-80 SEP
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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	44.6	50.1	51.9	53.7	55.3	55.7	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 20000	46.3	52.9	54.7	56.6	58.2	58.6	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 18000	46.9	53.0	54.8	56.7	58.3	58.7	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 16000	46.9	53.0	54.8	56.7	58.3	56.7	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 14000	49.2	55.8	57.6	59.7	61.3	61.7	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥ 12000	50.1	56.8	58.6	60.7	62.3	62.7	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 10000	51.6	58.4	60.4	62.7	64.6	65.0	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 9000	51.6	58.4	60.4	62.7	64.7	65.1	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 8000	52.3	60.1	62.4	64.7	66.7	67.1	67.3	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 7000	52.4	60.3	62.7	64.9	66.9	67.3	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 6000	53.0	61.3	63.7	65.9	67.9	68.3	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 5000	54.7	63.1	65.4	67.7	69.7	70.1	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4500	54.7	63.1	65.4	67.7	69.7	70.1	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4000	56.1	65.1	67.4	69.7	71.7	72.1	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	56.7	65.7	68.1	70.2	72.2	72.7	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 3000	58.2	67.7	70.0	72.3	74.3	74.8	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2500	59.9	69.4	71.8	74.2	76.3	76.8	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2000	61.9	73.1	75.4	78.1	80.2	80.7	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1800	62.3	73.6	75.9	78.6	80.8	81.2	81.4	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1500	63.0	75.7	78.3	91.2	83.7	84.1	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1200	63.8	77.0	79.9	83.0	85.7	86.3	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1000	63.9	78.6	81.9	85.0	87.9	88.6	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 900	64.1	79.0	82.4	85.6	88.4	89.3	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 800	64.2	79.6	83.1	86.7	89.7	90.9	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 700	64.4	80.8	84.4	88.1	91.2	92.6	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 600	64.4	81.1	84.9	88.7	91.8	93.4	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	64.4	81.2	85.0	88.8	92.2	94.1	94.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 400	64.4	81.3	85.2	89.1	92.6	94.7	95.7	96.9	97.2	97.3	97.3	97.3	97.4	97.4	97.4	97.4
≥ 300	64.4	81.7	85.6	89.6	93.2	95.7	96.8	98.4	98.9	99.2	99.3	99.3	99.4	99.4	99.4	99.4
≥ 200	64.4	81.7	85.6	89.6	93.2	95.7	96.9	98.8	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9
≥ 100	64.4	81.7	85.6	89.6	93.2	95.7	96.9	98.8	99.2	99.6	99.8	99.8	99.9	99.9	100.0	100.0
≥ 0	64.4	81.7	85.6	89.6	93.2	95.7	96.9	98.8	99.2	99.6	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 68 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — YEARS
SEP — MONTH
1500-1700 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	44.7	50.6	51.9	53.2	54.8	55.0	55.9	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 20000	47.8	54.0	55.3	56.8	58.3	58.6	59.4	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 18000	47.9	54.1	55.4	56.9	58.4	58.7	59.6	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 16000	48.7	54.2	55.6	57.0	58.6	58.8	59.7	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 14000	49.9	56.2	57.6	59.3	60.9	61.1	62.0	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 12000	50.9	57.4	59.8	60.7	62.3	62.6	63.4	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 10000	53.3	60.0	61.7	64.1	65.9	66.1	67.1	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 9000	53.3	60.0	61.7	64.1	65.9	66.1	67.1	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 8000	54.8	61.9	63.7	66.4	68.2	68.4	69.4	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 7000	55.7	63.0	64.8	67.6	69.3	69.6	70.6	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 6000	56.3	64.0	65.9	69.0	70.8	71.0	72.0	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 5000	57.8	65.4	67.7	70.8	72.6	72.8	73.8	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 4500	57.9	65.7	67.9	71.0	72.8	73.0	74.0	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4000	59.6	67.7	69.9	73.1	74.9	75.2	76.2	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3500	60.6	68.7	70.9	74.1	75.9	76.2	77.2	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 3000	61.4	69.7	72.0	75.2	77.0	77.3	78.3	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2500	62.6	71.2	73.8	77.0	78.9	79.2	80.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 2000	63.2	72.0	74.8	78.2	80.1	80.4	81.8	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 1800	63.3	72.1	74.9	78.3	80.2	80.6	81.9	82.4	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1500	63.8	73.1	76.1	79.9	82.0	82.3	83.8	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1200	64.3	74.0	77.0	81.2	83.4	83.8	85.4	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1000	64.7	74.7	77.8	82.4	85.2	85.7	87.3	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 900	64.7	74.7	77.8	82.9	85.7	86.1	87.8	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 800	64.9	75.4	78.8	84.3	87.3	88.0	89.7	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 700	64.9	76.3	80.0	85.6	88.8	89.8	91.6	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 600	65.2	77.0	81.3	87.1	90.3	91.3	93.3	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 500	65.2	77.3	81.7	87.6	91.1	92.1	94.2	94.9	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3
≥ 400	65.2	77.3	82.1	88.0	91.7	92.8	95.2	96.7	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1
≥ 300	65.2	77.6	82.4	88.3	92.0	93.4	95.9	97.6	97.9	98.0	98.3	98.3	98.4	98.4	98.4	98.4
≥ 200	65.2	77.6	82.4	88.3	92.1	93.6	96.0	97.7	98.0	98.3	98.9	98.9	99.1	99.1	99.2	99.2
≥ 100	65.2	77.6	82.4	88.3	92.1	93.6	96.0	97.7	98.0	98.3	99.0	99.0	99.8	99.8	100.0	100.0
≥ 0	65.2	77.6	82.4	88.3	92.1	93.6	96.0	97.7	98.0	98.3	99.0	99.0	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 68 — OTIS AFB MA — 68-70,73,75-80 — SEP
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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.3	50.4	51.3	52.1	52.9	53.1	53.8	54.1	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.6
≥ 20000	36.9	53.7	55.0	55.8	56.8	57.0	57.8	58.2	58.4	58.4	58.4	58.4	58.6	58.6	58.6	58.7
≥ 18000	37.1	53.9	55.2	56.0	57.0	57.2	58.0	58.4	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.9
≥ 16000	37.1	53.9	55.2	56.0	57.0	57.2	58.0	58.4	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.9
≥ 14000	38.3	55.2	56.9	57.7	58.7	58.9	59.7	60.1	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.6
≥ 12000	39.1	56.3	58.7	58.8	59.9	60.2	61.1	61.7	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.1
≥ 10000	40.0	59.0	59.9	61.0	62.7	63.0	64.0	64.7	64.9	64.9	64.9	64.9	65.0	65.0	65.0	65.1
≥ 9000	40.0	59.0	59.9	61.0	62.7	63.0	64.0	64.7	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.2
≥ 8000	42.6	61.2	63.4	64.9	66.7	67.2	68.3	69.0	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.6
≥ 7000	43.2	62.4	64.7	66.1	67.9	68.4	69.6	70.2	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.9
≥ 6000	43.8	63.8	66.0	67.4	69.2	69.8	70.9	71.6	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.2
≥ 5000	45.2	66.2	68.7	70.1	71.9	72.8	73.9	74.6	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.2
≥ 4500	45.3	66.8	69.4	70.9	72.7	73.6	74.7	75.3	75.8	75.8	75.8	75.8	75.9	75.9	75.9	76.0
≥ 4000	46.0	68.0	71.0	72.4	74.2	75.2	76.3	77.0	77.4	77.4	77.4	77.4	77.6	77.6	77.6	77.7
≥ 3500	46.4	68.9	72.0	73.4	75.2	76.2	77.3	78.0	78.4	78.4	78.4	78.4	78.6	78.6	78.6	78.7
≥ 3000	47.7	70.2	73.4	74.9	76.8	77.8	78.9	79.6	8 .0	80.0	80.0	80.0	80.1	80.1	80.1	80.2
≥ 2500	48.2	71.6	74.8	76.3	78.6	79.6	80.7	81.3	81.8	81.8	81.8	81.8	81.9	81.9	81.9	82.0
≥ 2000	48.7	72.3	75.7	77.2	79.4	80.4	81.7	82.3	82.8	82.8	82.8	82.8	82.9	82.9	82.9	83.0
≥ 1800	48.8	72.4	75.9	77.4	79.7	80.7	81.9	82.6	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.2
≥ 1500	49.2	73.1	76.6	78.1	80.3	81.3	82.7	83.3	83.8	83.8	83.8	83.8	83.9	83.9	83.9	84.0
≥ 1200	49.7	74.1	77.6	79.3	81.6	82.6	83.9	84.6	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.2
≥ 1000	49.8	74.6	78.1	79.9	82.4	83.4	85.0	85.7	86.1	86.1	86.1	86.1	86.2	86.2	86.2	86.3
≥ 900	50.0	74.9	78.4	80.2	83.0	84.1	85.7	86.3	86.8	86.8	86.8	86.8	86.9	86.9	86.9	87.0
≥ 800	50.1	75.7	79.4	81.3	84.3	85.4	87.2	87.9	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.6
≥ 700	50.2	75.9	79.8	81.8	84.9	86.1	88.1	88.8	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.4
≥ 600	50.2	76.6	80.4	82.4	85.9	87.2	89.8	90.4	91.0	91.0	91.1	91.1	91.2	91.2	91.2	91.3
≥ 500	50.2	76.7	80.9	83.1	87.4	89.0	91.7	92.3	92.9	93.0	93.1	93.1	93.2	93.2	93.2	93.3
≥ 400	50.2	76.8	81.0	83.2	87.7	89.2	92.1	93.0	93.7	94.1	94.2	94.2	94.3	94.3	94.3	94.4
≥ 300	50.2	76.8	81.2	83.4	88.2	89.9	92.9	94.0	94.8	95.6	95.9	95.9	96.1	96.1	96.1	96.2
≥ 200	50.2	76.8	81.2	83.4	88.4	90.1	93.1	94.3	95.1	96.6	97.2	97.2	97.7	97.8	97.9	98.0
≥ 100	50.2	76.8	81.2	83.4	88.4	90.1	93.1	94.3	95.1	97.1	97.8	97.8	98.4	98.7	99.0	99.3
≥ 0	50.2	76.8	81.2	83.4	88.4	90.1	93.1	94.3	95.1	97.1	97.8	97.8	98.4	98.8	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 68 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — YEARS
SEP — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 — HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	35.7	54.4	55.2	56.6	57.4	58.1	58.9	59.4	59.6	59.7	59.7	59.7	59.8	59.8	59.8	60.0
≥ 20000	36.7	56.3	57.1	58.6	59.4	60.1	61.0	61.6	61.7	61.8	61.8	61.8	61.9	61.9	61.9	62.1
≥ 18000	36.7	56.3	57.1	58.6	59.4	60.1	61.0	61.6	61.7	61.8	61.8	61.8	61.9	61.9	61.9	62.1
≥ 16000	36.7	56.3	57.1	58.6	59.4	60.1	61.0	61.6	61.7	61.8	61.8	61.8	61.9	61.9	61.9	62.1
≥ 14000	38.7	57.8	58.7	60.1	61.0	61.7	62.6	63.1	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.7
≥ 12000	38.9	58.9	59.8	61.2	62.1	62.8	63.7	64.2	64.3	64.4	64.4	64.4	64.6	64.6	64.6	64.8
≥ 10000	39.7	60.3	61.4	62.9	63.9	64.6	65.6	66.1	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.7
≥ 9000	39.7	60.3	61.4	62.9	63.9	64.6	65.6	66.1	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.7
≥ 8000	41.9	63.7	64.9	66.4	68.0	68.7	69.9	70.6	70.7	70.8	70.8	70.8	70.9	70.9	70.9	71.1
≥ 7000	42.6	64.7	65.9	67.6	69.1	69.8	71.0	71.7	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.2
≥ 6000	43.3	65.7	67.1	68.8	70.3	71.0	72.2	72.9	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.4
≥ 5000	43.6	66.9	68.4	70.1	71.9	72.6	73.8	74.4	74.6	74.7	74.7	74.7	74.8	74.8	74.8	75.0
≥ 4500	44.3	67.7	69.2	70.9	72.7	73.3	74.6	75.2	75.3	75.4	75.4	75.4	75.6	75.6	75.6	75.8
≥ 4000	44.6	68.7	70.3	72.2	74.0	74.8	76.0	76.7	76.8	76.9	76.9	76.9	77.0	77.0	77.0	77.2
≥ 3500	44.6	69.0	70.7	72.6	74.3	75.1	76.3	77.0	77.1	77.2	77.2	77.2	77.3	77.3	77.3	77.6
≥ 3000	44.9	70.1	72.0	74.0	75.8	76.6	77.8	78.4	78.6	78.7	78.7	78.7	78.8	78.8	78.8	79.0
≥ 2500	45.4	71.8	73.7	75.7	77.4	78.2	79.4	80.1	80.2	80.3	80.3	80.3	80.4	80.4	80.4	80.7
≥ 2000	45.7	72.1	74.0	76.2	78.1	78.9	80.1	80.8	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.3
≥ 1800	45.3	72.6	74.6	76.8	78.7	79.4	80.7	81.3	81.4	81.6	81.6	81.6	81.7	81.7	81.7	81.9
≥ 1500	46.0	73.1	75.4	77.8	79.7	80.4	81.7	82.3	82.4	82.6	82.6	82.6	82.7	82.7	82.7	82.9
≥ 1200	46.1	73.8	76.1	78.4	80.3	81.1	82.4	83.1	83.2	83.3	83.3	83.3	83.4	83.4	83.4	83.7
≥ 1000	46.6	74.4	76.8	79.2	81.1	82.0	83.3	84.0	84.1	84.3	84.3	84.3	84.4	84.4	84.4	84.7
≥ 900	46.7	74.7	77.0	79.4	81.4	82.3	83.7	84.3	84.4	84.7	84.7	84.7	84.8	84.8	84.9	85.0
≥ 800	46.7	75.0	77.7	80.1	82.2	83.1	84.4	85.1	85.2	85.4	85.4	85.4	85.6	85.6	85.6	85.8
≥ 700	46.8	75.4	78.1	80.6	82.9	83.8	85.3	86.0	86.1	86.3	86.3	86.3	86.4	86.4	86.4	86.7
≥ 600	46.9	75.9	78.7	81.1	83.7	84.6	86.9	87.7	87.8	88.0	88.0	88.0	88.1	88.1	88.1	88.3
≥ 500	46.9	76.0	78.9	81.3	84.3	85.4	88.4	89.4	89.6	89.8	89.8	89.8	89.9	89.9	89.9	90.1
≥ 400	46.9	76.0	79.0	81.7	84.8	86.0	89.7	90.7	91.1	91.4	91.4	91.4	91.6	91.6	91.6	91.8
≥ 300	46.9	76.0	79.0	81.8	85.2	86.4	90.6	91.7	92.6	93.1	93.3	93.4	93.6	93.6	93.6	93.8
≥ 200	46.9	76.0	79.0	81.8	85.3	86.6	90.9	92.3	93.3	94.8	95.1	95.2	95.6	95.8	95.8	96.0
≥ 100	46.9	76.0	79.0	81.8	85.3	86.6	90.9	92.3	93.3	95.4	96.0	96.2	97.2	97.4	98.0	99.1
≥ 0	46.9	76.0	79.0	81.8	85.3	86.6	90.9	92.3	93.3	95.4	96.0	96.2	97.3	97.7	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 65 — UTIS AFB MA — 68-70,73,75-80 — SEP
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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	38.3	50.1	51.2	52.5	53.7	54.2	54.8	55.2	55.5	55.6	55.6	55.6	55.8	55.8	55.8	56.0
≥ 20000	37.9	52.3	53.6	54.9	56.2	56.7	57.3	57.7	58.0	58.1	58.2	58.2	58.3	58.3	58.3	58.6
≥ 18000	39.9	52.3	53.6	55.0	56.3	56.7	57.3	57.8	58.1	58.2	58.2	58.2	58.3	58.3	58.4	58.6
≥ 16000	39.9	52.4	53.6	55.0	56.3	56.7	57.4	57.8	58.1	58.2	58.3	58.3	58.4	58.4	58.4	58.7
≥ 14000	41.6	54.2	55.6	57.0	58.3	58.7	59.4	59.8	60.1	60.3	60.3	60.3	60.4	60.4	60.5	60.7
≥ 12000	42.2	55.0	56.3	57.8	59.1	59.6	60.2	60.7	61.0	61.1	61.2	61.2	61.3	61.3	61.3	61.6
≥ 10000	43.9	57.1	58.7	60.4	61.8	62.3	63.0	63.5	63.8	63.9	64.0	64.0	64.1	64.1	64.2	64.4
≥ 9000	43.9	57.2	58.8	60.5	62.0	62.5	63.2	63.7	64.0	64.1	64.2	64.2	64.3	64.3	64.4	64.6
≥ 8000	45.4	59.2	61.0	62.8	64.5	65.0	65.8	66.3	66.7	66.9	66.9	66.9	67.0	67.0	67.1	67.3
≥ 7000	45.9	60.3	62.1	63.9	65.5	66.1	66.9	67.4	67.9	68.0	68.0	68.0	68.2	68.2	68.2	68.5
≥ 6000	46.7	61.5	63.4	65.2	67.0	67.5	68.4	69.0	69.4	69.5	69.5	69.6	69.7	69.7	69.7	70.0
≥ 5000	47.8	63.0	65.0	66.9	68.7	69.3	70.2	70.8	71.2	71.3	71.4	71.4	71.5	71.5	71.5	71.8
≥ 4500	48.0	63.4	65.4	67.3	69.2	69.7	70.6	71.2	71.6	71.7	71.8	71.8	71.9	71.9	72.0	72.2
≥ 4000	49.2	65.0	67.1	69.0	70.9	71.6	72.4	73.0	73.5	73.6	73.6	73.6	73.8	73.8	73.8	74.1
≥ 3500	49.5	65.5	67.6	69.6	71.5	72.1	73.0	73.6	74.0	74.2	74.2	74.2	74.4	74.4	74.4	74.6
≥ 3000	50.6	66.9	69.1	71.1	73.1	73.8	74.6	75.3	75.7	75.8	75.9	75.9	76.0	76.0	76.1	76.3
≥ 2500	51.4	68.2	70.5	72.6	74.6	75.3	76.3	76.9	77.3	77.4	77.5	77.5	77.6	77.6	77.7	77.9
≥ 2000	52.3	69.7	72.1	74.4	76.6	77.3	78.3	78.9	79.3	79.4	79.5	79.5	79.6	79.6	79.7	79.9
≥ 1800	52.4	70.0	72.4	74.7	76.9	77.7	78.7	79.3	79.7	79.8	79.9	79.9	80.0	80.0	80.1	80.3
≥ 1500	53.0	71.1	73.7	76.1	78.4	79.2	80.2	80.8	81.3	81.4	81.5	81.5	81.6	81.6	81.7	81.9
≥ 1200	53.4	72.1	74.7	77.3	79.7	80.6	81.7	82.3	82.8	82.9	83.0	83.0	83.1	83.1	83.2	83.4
≥ 1000	53.6	72.8	75.7	78.4	81.0	81.9	83.0	83.7	84.2	84.4	84.4	84.4	84.6	84.6	84.6	84.8
≥ 900	53.8	73.3	76.2	79.0	81.7	82.7	83.8	84.5	85.0	85.1	85.2	85.2	85.3	85.3	85.4	85.6
≥ 800	53.9	73.9	77.0	80.0	82.7	83.8	84.9	85.7	86.2	86.3	86.4	86.4	86.5	86.5	86.6	86.8
≥ 700	54.0	74.4	77.6	80.8	83.7	84.9	86.2	86.9	87.4	87.6	87.7	87.7	87.8	87.8	87.9	88.1
≥ 600	54.1	74.9	78.4	81.6	84.7	86.0	87.6	88.6	89.1	89.3	89.4	89.4	89.5	89.5	89.6	89.8
≥ 500	54.1	75.2	78.8	82.1	85.7	87.2	89.2	90.4	91.1	91.4	91.6	91.6	91.7	91.7	91.8	92.0
≥ 400	54.1	75.3	79.1	82.6	86.3	88.0	90.5	92.1	93.0	93.6	93.8	93.8	94.0	94.0	94.0	94.3
≥ 300	54.1	75.4	79.3	82.9	86.7	88.6	91.3	93.3	94.4	95.3	95.7	95.8	95.9	95.9	96.0	96.2
≥ 200	54.1	75.4	79.3	82.9	86.8	88.6	91.6	93.7	94.9	96.1	96.8	96.9	97.2	97.2	97.4	97.6
≥ 100	54.1	75.4	79.3	82.9	86.8	88.6	91.6	93.8	94.9	96.4	97.2	97.3	98.0	98.1	98.5	99.1
≥ 0	54.1	75.4	79.3	82.9	86.8	88.6	91.6	93.8	94.9	96.4	97.2	97.3	98.0	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 7195

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible]68 OTIS AFB MA 66-70,73,75-80 OCT

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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	27.6	49.6	50.5	52.0	53.4	54.1	55.0	55.1	55.4	55.5	55.9	56.1	56.1	56.1	56.1	56.4
≥ 20000	28.1	50.3	51.1	52.6	54.0	54.8	55.7	55.8	56.1	56.2	56.5	56.7	56.7	56.7	56.7	57.1
≥ 18000	28.1	50.3	51.1	52.6	54.0	54.8	55.7	55.8	56.1	56.2	56.5	56.7	56.7	56.7	56.7	57.1
≥ 16000	28.1	50.3	51.1	52.6	54.0	54.8	55.7	55.8	56.1	56.2	56.5	56.7	56.7	56.7	56.7	57.1
≥ 14000	29.1	51.5	52.3	53.8	55.2	56.0	56.8	56.9	57.3	57.4	57.7	57.9	57.9	57.9	57.9	58.2
≥ 12000	29.2	51.6	52.4	54.3	55.8	56.5	57.4	57.5	57.8	57.9	58.2	58.4	58.4	58.4	58.4	58.9
≥ 10000	30.7	54.3	55.2	57.1	58.6	59.3	60.2	60.4	60.7	60.8	61.1	61.4	61.4	61.4	61.4	61.7
≥ 9000	30.7	54.5	55.4	57.3	58.8	59.5	60.4	60.6	60.9	61.0	61.4	61.6	61.6	61.6	61.6	61.9
≥ 8000	31.3	56.2	57.4	59.4	60.9	61.7	62.5	62.8	63.1	63.2	63.5	63.7	63.7	63.7	63.7	64.0
≥ 7000	31.9	56.9	58.1	60.2	61.7	62.4	63.3	63.5	63.8	63.9	64.3	64.5	64.5	64.5	64.5	64.8
≥ 6000	33.5	59.8	61.1	63.2	64.9	65.7	66.5	66.7	67.1	67.2	67.5	67.7	67.7	67.7	67.7	68.0
≥ 5000	34.2	61.1	62.6	64.7	66.4	67.3	68.1	68.4	68.7	68.8	69.1	69.3	69.3	69.3	69.3	69.6
≥ 4500	34.4	61.6	63.1	65.1	66.8	67.7	68.6	68.8	69.1	69.2	69.5	69.8	69.8	69.8	69.8	70.1
≥ 4000	35.6	64.6	66.1	68.4	70.1	70.9	71.8	72.0	72.3	72.4	72.8	73.0	73.0	73.0	73.0	73.3
≥ 3500	35.7	65.4	67.1	69.2	70.9	71.8	72.7	72.9	73.2	73.3	73.6	73.8	73.8	73.8	73.8	74.2
≥ 3000	36.2	66.7	68.5	70.7	72.7	73.7	74.6	74.8	75.1	75.2	75.6	75.8	75.8	75.8	75.8	76.1
≥ 2500	37.2	68.5	70.2	72.4	74.5	75.6	76.4	76.6	77.0	77.1	77.4	77.6	77.6	77.6	77.6	77.9
≥ 2000	38.0	70.0	72.1	74.5	76.6	77.7	78.6	78.8	79.1	79.2	79.5	79.8	79.8	79.8	79.8	80.1
≥ 1800	38.1	70.2	72.4	74.9	77.1	78.1	79.0	79.2	79.5	79.7	80.0	80.2	80.2	80.2	80.2	80.5
≥ 1500	38.1	70.6	72.9	75.5	77.8	78.9	79.8	80.0	80.3	80.4	80.7	80.9	80.9	80.9	80.9	81.3
≥ 1200	38.2	71.4	73.7	76.3	79.0	80.2	81.1	81.4	81.7	81.8	82.1	82.3	82.3	82.3	82.3	82.7
≥ 1000	38.2	71.5	74.0	76.7	79.5	80.7	81.7	82.0	82.3	82.5	82.8	83.0	83.0	83.0	83.0	83.3
≥ 900	38.4	71.8	74.4	77.3	80.1	81.6	82.7	83.0	83.3	83.4	83.7	84.0	84.0	84.0	84.0	84.3
≥ 800	38.5	72.1	74.7	77.7	80.6	82.1	83.3	83.6	84.0	84.1	84.4	84.6	84.6	84.6	84.6	84.9
≥ 700	39.1	72.8	75.3	78.5	81.8	83.3	84.7	85.0	85.4	85.5	85.8	86.0	86.0	86.0	86.0	86.3
≥ 600	39.1	73.0	75.8	78.9	82.7	84.4	86.1	86.4	86.9	87.0	87.3	87.5	87.5	87.5	87.5	87.8
≥ 500	39.1	73.2	76.0	79.4	83.4	85.1	86.9	87.2	87.7	87.9	88.3	88.5	88.5	88.5	88.5	88.8
≥ 400	39.1	73.5	76.3	80.1	84.3	86.1	88.4	88.8	89.9	90.1	90.4	90.6	90.6	90.6	90.6	91.0
≥ 300	39.1	74.2	77.0	80.7	85.0	87.2	89.6	90.2	91.5	91.7	92.1	92.4	92.4	92.4	92.4	92.7
≥ 200	39.1	74.3	77.1	80.8	85.1	87.3	90.1	90.9	92.2	92.7	93.4	93.6	94.1	94.2	94.2	94.5
≥ 100	39.2	74.4	77.2	80.9	85.3	87.4	90.2	91.0	92.5	93.3	94.1	94.4	95.4	95.7	96.1	97.3
≥ 0	39.2	74.4	77.2	80.9	85.3	87.4	90.2	91.0	92.5	93.4	94.2	94.5	95.6	95.9	96.6	100.0

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 63	OTIS AFB MA	66-70,73,75-[illegible]	OCT
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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	25.4	46.2	47.5	49.0	50.5	50.8	51.7	52.2	52.6	52.8	53.0	53.0	53.1	53.4	53.5	53.8
≥ 20000	25.9	46.8	48.1	49.6	51.1	51.3	52.3	52.7	53.1	53.3	53.5	53.5	53.7	54.0	54.1	54.3
≥ 18000	25.9	46.8	48.1	49.6	51.1	51.3	52.3	52.7	53.1	53.3	53.5	53.5	53.7	54.0	54.1	54.3
≥ 16000	25.9	46.8	48.1	49.6	51.1	51.3	52.3	52.7	53.1	53.3	53.5	53.5	53.7	54.0	54.1	54.3
≥ 14000	27.3	48.2	49.5	51.0	52.6	52.8	53.8	54.2	54.6	54.8	55.1	55.1	55.2	55.5	55.6	55.8
≥ 12000	27.3	48.5	49.8	51.4	53.0	53.2	54.2	54.6	55.1	55.3	55.5	55.5	55.6	55.9	56.0	56.2
≥ 10000	30.4	52.9	54.2	55.8	57.5	57.7	58.7	59.1	59.6	59.8	60.0	60.0	60.1	60.4	60.5	60.8
≥ 9000	30.6	53.2	54.5	56.1	58.0	58.2	59.1	59.6	60.0	60.2	60.4	60.4	60.5	60.9	61.0	61.2
≥ 8000	31.4	55.6	56.9	58.6	60.4	60.6	61.6	62.0	62.5	62.7	62.9	62.9	63.0	63.3	63.4	63.7
≥ 7000	32.2	56.8	58.1	59.8	61.6	61.8	62.8	63.2	63.7	63.9	64.1	64.1	64.2	64.5	64.6	64.8
≥ 6000	33.5	59.2	60.6	62.4	64.2	64.4	65.4	65.8	66.2	66.5	66.8	66.8	66.9	67.2	67.3	67.5
≥ 5000	34.7	61.5	63.0	64.7	66.7	66.9	67.8	68.3	68.7	68.9	69.4	69.4	69.6	69.9	70.0	70.2
≥ 4500	35.2	62.3	63.8	65.5	67.4	67.6	68.6	69.0	69.5	69.7	70.1	70.1	70.3	70.6	70.8	71.0
≥ 4000	36.6	64.2	65.8	67.8	69.8	70.0	71.1	71.5	71.9	72.2	72.6	72.6	72.8	73.1	73.2	73.4
≥ 3500	37.1	64.8	66.5	68.6	70.5	70.8	71.8	72.3	72.7	72.9	73.3	73.3	73.5	73.9	74.0	74.2
≥ 3000	37.8	67.0	69.0	71.2	73.4	73.7	74.9	75.4	75.8	76.0	76.5	76.5	76.7	77.0	77.1	77.3
≥ 2500	38.6	68.0	70.0	72.3	74.5	74.7	76.0	76.5	76.9	77.1	77.5	77.5	77.7	78.1	78.2	78.4
≥ 2000	39.5	69.5	71.6	73.9	76.1	76.3	77.7	78.2	78.6	78.8	79.2	79.2	79.5	79.8	79.9	80.1
≥ 1800	39.5	70.0	72.2	74.4	76.7	76.9	78.3	78.7	79.1	79.4	79.8	79.8	80.0	80.3	80.4	80.6
≥ 1500	39.6	70.4	72.6	74.8	77.2	77.4	78.8	79.2	79.7	79.9	80.3	80.3	80.5	80.9	81.0	81.2
≥ 1200	39.8	70.9	73.1	75.5	78.3	78.6	80.0	80.4	80.9	81.1	81.5	81.5	81.7	82.0	82.2	82.4
≥ 1000	39.9	71.5	73.8	76.6	79.5	79.9	81.3	81.8	82.4	82.6	83.0	83.0	83.2	83.5	83.7	83.9
≥ 900	39.9	71.5	73.8	76.8	79.8	80.2	81.6	82.3	82.8	83.0	83.4	83.4	83.7	84.0	84.1	84.3
≥ 800	39.9	71.8	74.2	77.2	80.3	81.0	82.6	83.2	83.8	84.0	84.4	84.4	84.6	84.9	85.1	85.3
≥ 700	39.9	72.3	74.7	77.8	81.1	81.7	83.7	84.4	84.9	85.2	85.6	85.6	85.8	86.1	86.2	86.5
≥ 600	40.0	72.6	75.4	78.9	82.4	83.1	85.5	86.2	86.8	87.0	87.4	87.4	87.6	88.0	88.1	88.3
≥ 500	40.2	72.9	76.0	79.6	83.1	84.0	86.6	87.4	88.2	88.4	88.9	88.9	89.1	89.5	89.6	89.8
≥ 400	40.2	73.0	76.2	80.0	83.8	84.6	87.5	88.7	89.8	90.0	90.5	90.5	90.9	91.2	91.4	91.6
≥ 300	40.2	73.0	76.5	80.2	84.3	85.3	88.4	90.0	91.1	91.4	91.9	91.9	92.5	92.8	93.0	93.2
≥ 200	40.3	73.2	76.7	80.4	84.5	85.5	88.9	90.9	92.0	92.6	93.4	93.5	94.1	94.5	94.8	95.1
≥ 100	40.4	73.3	76.8	80.5	84.6	85.6	89.1	91.1	92.3	92.9	94.0	94.1	95.3	95.7	96.5	97.3
≥ 0	40.4	73.3	76.8	80.5	84.6	85.6	89.1	91.1	92.3	92.9	94.0	94.1	95.4	95.8	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]	OTIS AFB MA	66-70,73,75-80	OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	33.3	42.0	45.3	46.3	47.5	47.9	48.4	48.9	49.4	49.5	49.9	49.9	49.9	49.9	50.1	50.6
≥ 20000	33.3	42.7	46.2	47.3	48.4	48.9	49.4	49.8	50.5	50.6	51.1	51.1	51.1	51.1	51.2	52.1
≥ 18000	33.3	42.8	46.3	47.4	48.5	49.0	49.5	49.9	50.6	50.7	51.2	51.2	51.2	51.2	51.3	52.2
≥ 16000	33.4	42.8	46.3	47.4	48.5	49.0	49.5	49.9	50.6	50.7	51.2	51.2	51.2	51.2	51.3	52.2
≥ 14000	35.1	44.1	47.6	48.7	50.1	50.5	51.0	51.5	52.1	52.2	52.7	52.7	52.7	52.7	53.0	53.9
≥ 12000	35.6	44.9	48.3	49.4	50.8	51.2	51.8	52.2	52.9	53.0	53.5	53.5	53.5	53.5	53.7	54.6
≥ 10000	39.7	49.2	52.6	53.7	55.1	55.5	56.1	56.6	57.3	57.4	57.9	57.9	57.9	57.9	58.1	59.0
≥ 9000	39.7	49.5	53.2	54.3	55.7	56.1	56.6	57.2	57.8	57.9	58.4	58.4	58.4	58.4	58.7	59.5
≥ 8000	41.3	52.5	56.4	57.7	59.3	59.7	60.3	60.8	61.5	61.6	62.1	62.1	62.1	62.1	62.3	63.2
≥ 7000	42.7	54.5	58.3	59.7	61.5	61.9	62.4	63.0	63.6	63.7	64.3	64.3	64.3	64.3	64.5	65.3
≥ 6000	45.0	57.1	61.0	62.4	64.3	64.8	65.3	65.9	66.5	66.6	67.2	67.2	67.2	67.2	67.4	66.2
≥ 5000	47.1	59.7	63.7	65.4	67.3	67.8	68.5	69.0	69.6	69.8	70.3	70.3	70.3	70.3	70.6	71.5
≥ 4500	47.5	60.2	64.2	66.0	67.8	68.4	69.0	69.5	70.2	70.3	70.8	70.8	70.8	70.8	71.2	72.0
≥ 4000	48.2	61.2	65.3	67.3	69.5	70.1	70.7	71.3	71.9	72.0	72.6	72.6	72.6	72.6	72.9	73.7
≥ 3500	48.9	62.0	66.1	68.0	70.3	70.8	71.5	72.0	72.7	72.8	73.3	73.3	73.3	73.3	73.6	74.5
≥ 3000	49.6	64.2	68.5	70.4	72.8	73.3	74.0	74.5	75.1	75.2	75.6	75.8	75.8	75.8	76.1	77.0
≥ 2500	50.9	65.4	69.8	71.8	74.4	74.9	75.6	76.1	76.7	76.9	77.4	77.4	77.4	77.4	77.7	78.6
≥ 2000	52.3	66.2	72.6	74.7	77.6	78.1	78.9	79.5	80.2	80.3	80.8	80.8	80.8	80.8	81.2	82.0
≥ 1800	52.4	68.5	72.8	74.9	77.8	78.4	79.1	79.8	80.4	80.5	81.1	81.1	81.1	81.1	81.4	82.2
≥ 1500	52.7	69.0	73.4	75.8	78.7	79.4	80.2	80.8	81.5	81.6	82.1	82.1	82.1	82.1	82.5	83.3
≥ 1200	53.1	69.9	74.4	76.9	79.8	80.5	81.4	82.0	82.7	82.8	83.3	83.3	83.3	83.3	83.6	84.5
≥ 1000	53.2	70.3	74.9	77.4	80.5	81.4	82.5	83.4	84.1	84.2	84.7	84.7	84.7	84.7	85.0	85.9
≥ 900	53.2	70.3	75.0	77.5	80.7	81.6	82.7	83.9	84.5	84.6	85.1	85.1	85.1	85.1	85.5	86.3
≥ 800	53.2	70.3	75.0	77.5	80.8	81.7	83.0	84.2	84.8	84.9	85.5	85.5	85.5	85.5	85.9	86.7
≥ 700	53.4	70.5	75.2	77.7	81.1	81.9	83.3	84.5	85.3	85.4	85.9	85.9	85.9	85.9	86.2	87.1
≥ 600	53.5	70.7	75.5	78.0	81.6	82.6	84.0	85.1	86.0	86.1	86.7	86.7	86.7	86.7	87.0	87.8
≥ 500	53.6	71.0	76.0	78.7	83.0	84.2	86.0	87.3	88.3	88.4	88.9	88.9	88.9	88.9	89.2	90.1
≥ 400	53.9	71.5	76.5	79.4	83.7	85.0	87.7	89.1	90.5	90.9	91.5	91.5	91.6	91.6	91.9	92.8
≥ 300	53.9	71.5	76.6	79.5	84.1	85.7	88.5	90.5	92.0	92.7	93.3	93.3	93.5	93.5	93.9	94.7
≥ 200	53.9	71.5	76.6	79.5	84.2	85.8	88.7	91.0	92.6	93.5	94.5	94.5	94.9	95.2	95.6	96.8
≥ 100	53.9	71.5	76.6	79.5	84.2	85.8	88.7	91.0	92.6	93.5	94.5	94.5	95.2	95.4	96.2	97.8
≥ 0	53.9	71.5	76.6	79.5	84.2	85.8	88.7	91.0	92.6	93.5	94.5	94.5	95.2	95.5	96.4	100.0

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725068 OTIS AFB MA 68-70,73,75-80 OCT
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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	39.5	49.7	51.3	51.8	52.3	52.4	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 20000	41.7	51.5	53.1	53.7	54.1	54.2	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 18000	41.7	51.5	53.1	53.7	54.1	54.2	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 16000	41.7	51.5	53.1	53.7	54.1	54.2	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 14000	42.9	53.5	55.2	55.7	56.3	56.5	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 12000	43.4	54.7	56.3	56.9	57.5	57.6	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 10000	47.7	59.5	61.2	61.7	62.4	62.5	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 9000	47.7	59.8	61.5	62.0	62.7	62.8	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 8000	49.6	62.2	64.1	64.7	65.4	65.5	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 7000	50.3	63.2	65.2	65.8	66.5	66.6	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 6000	51.2	64.3	66.2	66.9	67.5	67.6	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 5000	52.3	65.6	67.6	68.3	68.9	69.0	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500	52.7	66.1	68.2	68.8	69.5	69.6	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	53.9	68.3	70.4	71.1	71.7	71.8	72.3	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
≥ 3500	55.5	69.9	72.0	72.7	73.3	73.4	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3000	57.2	72.6	74.9	75.7	76.5	76.6	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 2500	58.8	74.7	77.1	77.8	78.7	78.8	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 2000	59.6	76.1	78.5	79.2	80.2	80.4	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1800	59.7	76.3	78.8	79.6	80.5	80.8	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1500	60.3	77.2	79.8	80.9	81.9	82.2	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1200	60.5	78.1	81.0	82.5	83.8	84.2	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1000	61.1	78.9	81.9	83.7	85.1	85.5	86.0	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 900	61.2	79.2	82.4	84.3	85.7	86.2	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 800	61.2	79.9	83.3	85.5	87.4	88.0	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 700	61.5	80.5	84.1	86.3	88.5	89.1	89.7	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 600	61.5	80.9	84.4	87.0	89.1	89.8	90.5	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 500	61.7	81.4	85.3	88.2	91.0	92.2	93.5	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 400	61.8	81.8	85.8	89.0	92.2	93.4	94.9	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 300	61.8	81.8	85.9	89.1	92.7	94.2	95.9	96.8	96.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 200	61.8	81.8	85.9	89.1	92.8	94.4	96.2	97.1	97.3	98.2	98.4	98.4	98.5	98.5	98.5	98.7
≥ 100	61.8	81.8	85.9	89.1	92.8	94.5	96.3	97.2	97.4	98.5	98.9	99.0	99.1	99.2	99.4	99.9
≥ 0	61.8	81.8	85.9	89.1	92.8	94.5	96.3	97.2	97.4	98.5	98.9	99.0	99.1	99.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 68 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — 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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	41.5	51.5	52.8	53.7	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 20000	43.5	53.5	55.2	56.6	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 18000	43.4	53.8	55.4	56.8	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 16000	43.3	53.8	55.4	56.8	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 14000	45.2	55.4	57.7	58.4	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 12000	45.9	56.3	58.0	59.4	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 10000	49.0	59.7	61.3	62.8	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 9000	49.1	60.2	61.8	63.3	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 8000	50.3	62.3	63.9	65.4	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 7000	50.5	63.0	64.7	66.2	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 6000	51.1	63.8	65.5	67.0	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 5000	53.1	66.6	68.4	69.9	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 4500	53.4	67.1	68.9	70.4	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4000	55.3	69.2	71.1	72.6	73.4	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3500	56.6	70.5	72.4	73.9	74.7	74.9	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3000	58.7	73.9	75.8	77.4	78.3	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2500	59.6	75.7	77.6	79.2	80.1	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 2000	60.2	77.6	79.6	81.3	82.2	82.4	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	60.3	77.8	79.8	81.5	82.4	82.6	82.6	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1500	61.2	80.4	82.5	84.2	85.1	85.3	85.4	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1200	61.6	81.9	84.0	85.7	86.7	87.0	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1000	61.8	82.4	84.4	86.6	87.5	87.8	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 900	61.8	82.8	85.1	87.3	88.3	88.6	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 800	62.0	83.3	85.6	88.0	89.2	89.7	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 700	62.3	83.9	86.6	89.4	91.2	91.6	91.9	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 600	62.4	84.0	86.8	89.6	91.7	92.3	92.9	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 500	62.5	84.2	87.0	90.0	92.9	93.8	95.3	95.8	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1
≥ 400	62.5	84.4	87.2	90.4	93.5	94.4	96.2	97.1	97.1	97.4	97.5	97.5	97.6	97.6	97.6	97.6
≥ 300	62.5	84.5	87.3	90.6	93.8	94.7	96.9	98.3	98.3	98.9	99.0	99.0	99.1	99.1	99.1	99.1
≥ 200	62.5	84.5	87.3	90.6	93.8	94.7	96.9	98.3	98.3	99.0	99.1	99.2	99.4	99.4	99.4	99.4
≥ 100	62.5	84.5	87.3	90.6	93.8	94.7	96.9	98.4	98.4	99.4	99.5	99.6	99.7	99.7	99.7	99.7
≥ 0	62.5	84.5	87.3	90.6	93.8	94.7	96.9	98.4	98.4	99.4	99.5	99.6	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725 68	OTIS AFB MA	68-70,73,75-80	OCT
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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	41.4	50.6	52.9	53.4	54.4	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	43.2	52.9	55.3	56.1	57.1	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 18000	43.2	52.9	55.3	56.1	57.1	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 16000	43.2	52.9	55.3	56.1	57.1	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 14000	44.4	54.4	56.9	57.7	58.7	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 12000	45.1	55.4	58.0	59.0	60.0	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 10000	46.3	58.1	60.9	61.9	63.1	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 9000	46.7	58.3	61.1	62.2	63.3	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	48.8	61.2	64.1	65.2	66.3	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 7000	49.2	62.0	65.1	66.1	67.3	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 6000	50.1	63.3	66.3	67.5	68.7	69.0	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 5000	51.7	65.8	68.8	70.1	71.3	71.6	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 4500	52.7	67.2	70.2	71.5	72.7	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 4000	54.0	69.4	72.4	73.7	74.8	75.2	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 3500	54.5	70.2	73.2	74.5	75.7	76.0	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 3000	55.4	72.2	75.4	76.7	78.0	78.3	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 2500	56.6	73.7	77.0	78.3	79.6	79.9	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 2000	57.7	75.7	79.0	80.3	81.6	82.0	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	57.8	76.0	79.4	80.6	81.9	82.4	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 1500	58.2	77.1	80.5	81.9	83.3	84.0	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1200	58.4	77.8	81.5	83.0	84.4	85.2	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1000	58.8	78.6	82.4	83.9	85.4	86.1	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 900	58.9	78.9	82.9	84.4	86.2	87.0	87.5	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 800	59.1	79.7	83.7	85.3	87.1	87.8	88.4	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 700	59.4	80.0	84.3	86.1	88.3	89.0	89.9	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 600	59.4	80.1	84.6	87.0	89.2	90.0	91.2	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 500	59.4	80.1	84.7	87.8	90.6	91.4	93.2	94.5	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 400	59.4	80.1	84.7	88.0	91.1	92.0	94.1	95.8	95.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5
≥ 300	59.4	80.3	84.9	88.2	91.5	92.6	95.3	97.3	97.7	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200	59.4	80.3	84.9	88.2	91.7	92.8	95.5	97.5	98.0	98.8	99.0	99.0	99.1	99.1	99.1	99.1
≥ 100	59.4	80.3	84.9	88.3	91.8	92.9	95.6	97.6	98.1	99.2	99.5	99.5	99.6	99.6	99.7	99.8
≥ 0	59.4	80.3	84.9	88.3	91.8	92.9	95.6	97.6	98.1	99.2	99.5	99.5	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible]68	OTIS AFB MA	68-70,73,75-80	OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	30.4	51.5	52.8	54.0	55.1	55.5	56.0	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 20000	30.4	52.2	53.5	55.1	56.1	56.6	57.1	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 18000	30.5	52.3	53.7	55.2	56.2	56.7	57.2	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 16000	30.5	52.3	53.7	55.2	56.2	56.7	57.2	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 14000	31.7	53.8	55.3	56.8	58.0	58.4	58.9	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 12000	31.9	54.4	55.9	57.4	58.6	59.0	59.6	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	32.3	57.0	58.9	60.5	61.9	62.4	62.9	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 9000	32.8	57.4	59.4	61.0	62.4	62.8	63.3	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 8000	34.3	60.4	62.4	64.0	65.4	65.8	66.3	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 7000	34.5	61.1	63.0	64.6	66.0	66.5	67.0	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 6000	35.9	62.7	64.6	66.2	67.6	68.1	68.6	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 5000	37.7	65.2	67.2	69.0	70.4	70.9	71.4	71.7	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4500	37.7	65.6	67.6	69.5	70.9	71.3	71.8	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 4000	39.1	67.7	69.9	71.7	73.1	73.5	74.1	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3500	39.6	68.5	70.8	72.6	74.0	74.4	74.9	75.3	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 3000	40.1	69.6	71.8	73.7	75.1	75.5	76.0	76.3	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 2500	40.9	71.4	73.9	75.7	77.1	77.5	78.1	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2000	41.5	72.7	75.6	77.5	79.0	79.6	80.2	80.5	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 1800	41.5	72.9	75.9	77.8	79.4	79.9	80.5	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 1500	41.5	73.3	76.6	78.9	80.5	81.3	81.9	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 1200	41.6	74.0	77.4	79.9	81.6	82.4	83.0	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1000	41.6	74.4	78.0	80.6	82.5	83.3	84.1	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 900	41.7	74.5	78.1	80.8	82.9	83.8	84.5	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 800	41.7	74.5	78.2	81.0	83.2	84.1	84.8	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 700	41.7	75.3	79.0	81.9	84.5	85.4	86.1	86.6	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 600	41.7	75.4	79.1	82.5	85.4	86.2	87.2	87.7	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 500	41.8	75.8	79.7	83.2	86.8	88.1	89.1	90.0	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 400	41.8	75.9	80.1	84.0	88.1	89.7	91.0	92.0	92.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 300	41.9	76.2	80.5	84.5	89.2	90.9	92.3	93.8	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 200	41.9	76.2	80.6	84.8	89.7	91.3	92.8	94.5	95.1	96.3	96.5	96.5	96.6	96.6	96.6	96.6
≥ 100	41.9	76.2	80.6	84.8	89.7	91.3	93.1	94.9	95.6	97.4	97.7	97.7	98.1	98.3	98.8	98.8
≥ 0	41.9	76.2	80.6	84.8	89.7	91.3	93.1	94.9	95.6	97.6	98.0	98.1	98.5	98.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725 68	OTIS AFB MA	68-70,73,75-80	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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	29.9	50.8	51.7	53.4	54.3	54.7	55.8	56.3	56.6	56.7	56.8	56.8	56.8	56.8	56.9	56.9
≥ 20000	29.9	51.7	52.7	54.4	55.3	55.7	56.8	57.3	57.5	57.6	57.7	57.7	57.7	57.7	57.8	57.8
≥ 18000	29.9	51.7	52.7	54.4	55.3	55.7	56.8	57.3	57.5	57.6	57.7	57.7	57.7	57.7	57.8	57.8
≥ 16000	29.9	51.7	52.7	54.4	55.3	55.7	56.8	57.3	57.5	57.6	57.7	57.7	57.7	57.7	57.8	57.8
≥ 14000	31.1	53.2	54.2	55.9	56.8	57.2	58.3	58.8	59.0	59.1	59.2	59.2	59.2	59.2	59.4	59.4
≥ 12000	31.5	54.0	54.9	56.9	58.0	58.4	59.5	60.0	60.2	60.3	60.5	60.5	60.5	60.5	60.6	60.6
≥ 10000	32.7	56.8	58.1	60.0	61.2	61.7	62.8	63.3	63.5	63.7	63.9	63.9	63.9	63.9	64.0	64.0
≥ 9000	32.9	57.2	58.5	60.4	61.6	62.2	63.2	63.8	64.0	64.1	64.3	64.3	64.3	64.3	64.4	64.4
≥ 8000	34.3	59.7	61.0	62.9	64.1	64.6	65.7	66.2	66.5	66.6	66.8	66.8	66.8	66.8	66.9	66.9
≥ 7000	34.5	60.4	61.7	63.7	64.9	65.5	66.7	67.2	67.4	67.5	67.7	67.7	67.7	67.7	67.8	67.8
≥ 6000	35.6	62.2	63.4	65.4	66.7	67.3	68.5	69.0	69.2	69.4	69.6	69.6	69.6	69.6	69.7	69.7
≥ 5000	36.9	64.3	65.7	67.7	69.0	69.7	70.9	71.4	71.6	71.7	71.9	71.9	71.9	71.9	72.0	72.0
≥ 4500	37.1	64.8	66.2	68.3	69.7	70.3	71.5	72.0	72.3	72.4	72.6	72.6	72.6	72.6	72.7	72.7
≥ 4000	38.1	67.2	69.0	71.1	72.5	73.2	74.4	74.9	75.2	75.3	75.5	75.5	75.5	75.5	75.6	75.6
≥ 3500	38.5	68.2	70.0	72.2	73.5	74.4	75.6	76.1	76.3	76.5	76.7	76.7	76.7	76.7	76.8	76.8
≥ 3000	39.1	69.5	71.3	73.5	74.9	75.8	77.0	77.5	77.7	77.8	78.1	78.1	78.1	78.1	78.2	78.2
≥ 2500	39.5	70.4	72.3	74.5	75.9	76.9	78.1	78.6	78.8	78.9	79.1	79.1	79.1	79.1	79.2	79.2
≥ 2000	40.0	71.5	73.8	76.0	77.6	78.6	79.8	80.3	80.5	80.6	80.9	80.9	80.9	80.9	81.0	81.0
≥ 1800	40.2	72.4	74.7	77.2	78.8	79.8	81.0	81.5	81.7	81.8	82.0	82.0	82.0	82.0	82.2	82.2
≥ 1500	40.3	72.9	75.3	78.0	79.7	80.6	81.8	82.4	82.6	82.7	82.9	82.9	82.9	82.9	83.0	83.0
≥ 1200	40.3	73.2	75.6	78.5	80.3	81.3	82.5	83.0	83.2	83.3	83.5	83.5	83.5	83.5	83.7	83.7
≥ 1000	40.3	73.5	75.9	78.9	81.2	82.2	83.3	83.9	84.1	84.2	84.4	84.4	84.4	84.4	84.5	84.5
≥ 900	40.8	74.1	76.7	79.9	82.3	83.3	84.5	85.1	85.3	85.4	85.6	85.6	85.6	85.6	85.7	85.7
≥ 800	40.8	74.1	76.7	80.0	82.5	83.5	84.8	85.4	85.6	85.7	85.9	85.9	85.9	85.9	86.0	86.0
≥ 700	40.8	74.2	76.9	80.2	82.8	83.9	85.2	85.7	85.9	86.0	86.2	86.2	86.2	96.2	86.3	86.3
≥ 600	40.8	74.3	77.1	80.6	83.4	84.5	85.8	86.3	86.6	86.7	86.9	86.9	86.9	86.9	87.0	87.0
≥ 500	40.8	74.6	77.4	81.3	84.5	85.7	87.1	87.8	88.1	88.2	88.4	88.4	88.4	88.4	88.5	88.5
≥ 400	41.0	75.1	78.0	82.0	85.9	87.2	88.9	90.0	90.2	90.4	90.6	90.6	90.6	90.6	90.8	90.8
≥ 300	41.0	75.2	78.2	82.6	87.2	88.7	91.0	92.5	92.8	93.3	93.5	93.5	93.5	93.5	93.8	93.8
≥ 200	41.0	75.2	78.2	82.6	87.3	88.8	91.4	93.3	93.9	94.7	95.3	95.7	95.8	95.8	96.0	96.1
≥ 100	41.0	75.2	78.2	82.6	87.3	88.8	91.5	93.8	94.4	95.4	96.0	96.5	96.8	96.8	97.5	97.8
≥ 0	41.0	75.2	78.2	82.6	87.3	88.8	91.5	93.8	94.4	95.4	96.0	96.5	97.1	97.2	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible] 68	OTIS AFB MA	68-70,73,75-80	OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.) ALL

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	33.6	49.0	50.6	51.7	52.7	53.1	53.6	53.9	54.1	54.1	54.3	54.3	54.3	54.4	54.4	54.5
≥ 20000	34.5	50.2	51.9	53.2	54.2	54.5	55.1	55.3	55.5	55.6	55.8	55.8	55.8	55.8	55.9	56.1
≥ 18000	34.5	50.3	51.9	53.2	54.2	54.6	55.1	55.4	55.6	55.7	55.8	55.8	55.9	55.9	55.9	56.1
≥ 16000	34.5	50.3	51.9	53.2	54.2	54.6	55.1	55.4	55.6	55.7	55.8	55.8	55.9	55.9	55.9	56.1
≥ 14000	35.9	51.8	53.5	54.7	55.8	56.2	56.8	57.0	57.2	57.3	57.4	57.5	57.5	57.5	57.6	57.7
≥ 12000	36.2	52.5	54.2	55.6	56.7	57.1	57.6	57.9	58.1	58.2	58.3	58.3	58.4	58.4	58.5	58.6
≥ 10000	38.3	55.9	57.8	59.2	60.4	60.8	61.3	61.6	61.8	61.9	62.1	62.1	62.1	62.1	62.2	62.4
≥ 9000	38.8	56.3	58.2	59.6	60.8	61.2	61.8	62.0	62.2	62.3	62.5	62.5	62.5	62.5	62.6	62.8
≥ 8000	40.2	58.8	60.8	62.2	63.5	63.9	64.4	64.7	64.9	65.0	65.2	65.2	65.2	65.2	65.3	65.5
≥ 7000	40.7	59.7	61.8	63.3	64.5	64.9	65.5	65.8	66.0	66.1	66.2	66.3	66.3	66.3	66.4	66.6
≥ 6000	42.0	61.5	63.6	65.1	66.5	66.9	67.5	67.7	67.9	68.0	68.2	68.2	68.2	68.3	68.3	68.5
≥ 5000	43.5	63.7	65.9	67.5	68.8	69.3	69.9	70.2	70.4	70.5	70.7	70.7	70.7	70.7	70.8	71.0
≥ 4500	43.9	64.4	66.5	68.1	69.5	69.9	70.5	70.8	71.0	71.1	71.3	71.3	71.4	71.4	71.5	71.6
≥ 4000	45.1	66.5	68.8	70.4	71.9	72.3	72.9	73.2	73.4	73.5	73.7	73.8	73.8	73.8	73.9	74.1
≥ 3500	45.9	67.5	69.7	71.5	72.9	73.3	74.0	74.3	74.5	74.6	74.8	74.8	74.8	74.8	74.9	75.1
≥ 3000	46.9	69.4	71.9	73.7	75.2	75.7	76.3	76.6	76.8	76.9	77.1	77.1	77.2	77.2	77.3	77.5
≥ 2500	47.7	71.0	73.5	75.3	76.8	77.3	78.0	78.3	78.5	78.6	78.8	78.8	78.8	78.9	78.9	79.1
≥ 2000	48.6	72.7	75.3	77.2	78.9	79.4	80.1	80.4	80.7	80.7	80.9	81.0	81.0	81.0	81.1	81.3
≥ 1800	48.7	73.0	75.7	77.6	79.3	79.8	80.6	80.9	81.1	81.2	81.4	81.4	81.4	81.5	81.5	81.7
≥ 1500	49.0	73.9	76.7	78.7	80.5	81.1	81.9	82.2	82.4	82.5	82.7	82.7	82.8	82.8	82.9	83.0
≥ 1200	49.2	74.6	77.6	79.8	81.7	82.4	83.2	83.5	83.7	83.8	84.0	84.1	84.1	84.1	84.2	84.4
≥ 1000	49.4	75.1	78.2	80.5	82.6	83.4	84.2	84.6	84.8	84.9	85.1	85.1	85.2	85.2	85.3	85.4
≥ 900	49.5	75.4	78.5	81.0	83.2	84.0	84.9	85.4	85.6	85.7	85.9	85.9	85.9	86.0	86.0	86.2
≥ 800	49.6	75.7	78.9	81.5	83.9	84.7	85.7	86.2	86.4	86.5	86.7	86.7	86.8	86.8	86.9	87.0
≥ 700	49.7	76.2	79.5	82.3	84.9	85.7	86.8	87.4	87.6	87.7	87.9	87.9	88.0	88.0	88.1	88.2
≥ 600	49.8	76.4	79.8	82.8	85.7	86.6	87.9	88.5	88.8	88.9	89.1	89.2	89.2	89.2	89.3	89.5
≥ 500	49.9	76.7	80.3	83.5	86.9	88.0	89.7	90.5	90.9	91.1	91.3	91.3	91.3	91.4	91.4	91.6
≥ 400	49.9	76.9	80.6	84.1	87.8	89.1	91.1	92.2	92.7	93.0	93.2	93.2	93.3	93.3	93.4	93.6
≥ 300	49.9	77.1	80.9	84.4	88.5	89.9	92.2	93.7	94.3	94.8	95.1	95.1	95.2	95.3	95.4	95.5
≥ 200	50.0	77.1	80.9	84.5	88.6	90.1	92.6	94.2	94.9	95.7	96.2	96.3	96.6	96.7	96.8	97.0
≥ 100	50.0	77.2	80.9	84.6	88.7	90.1	92.7	94.4	95.1	96.2	96.8	96.9	97.4	97.5	98.0	98.6
≥ 0	50.0	77.2	80.9	84.6	88.7	90.1	92.7	94.4	95.1	96.2	96.8	97.0	97.5	97.7	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 7438

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

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
…69	OTIS AFB MA	68-70,73,75-80	NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	32.4	46.9	47.5	47.9	48.9	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5	50.2
≥ 20000	33.1	48.2	48.8	49.1	50.1	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7	50.9	51.5
≥ 18000	33.1	48.2	48.8	49.1	50.1	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7	50.9	51.5
≥ 16000	33.1	48.2	48.8	49.1	50.1	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.7	50.7	50.9	51.5
≥ 14000	33.7	48.8	49.5	49.9	50.9	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.5	51.5	51.6	52.2
≥ 12000	33.7	48.9	49.6	50.0	51.0	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.7	52.3
≥ 10000	35.3	51.1	51.8	52.2	53.2	53.7	53.7	53.7	53.7	53.7	53.8	53.8	54.0	54.0	54.2	54.8
≥ 9000	35.5	51.7	52.5	52.8	53.8	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.7	54.7	54.8	55.4
≥ 8000	37.3	54.5	55.3	55.6	56.6	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.5	57.5	57.6	58.2
≥ 7000	37.4	57.2	58.0	58.3	59.3	59.8	59.8	59.8	59.8	59.8	59.9	59.9	60.2	60.2	60.3	60.9
≥ 6000	39.6	59.2	59.9	60.4	61.6	62.1	62.1	62.1	62.1	62.1	62.3	62.3	62.5	62.5	62.6	63.2
≥ 5000	41.3	63.0	63.7	64.2	65.4	65.9	65.9	65.9	65.9	65.9	66.1	66.1	66.3	66.3	66.4	67.0
≥ 4500	42.9	64.2	65.0	65.4	66.7	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.5	67.5	67.6	68.3
≥ 4000	44.2	66.4	67.3	67.8	69.0	69.5	69.6	69.6	69.6	69.6	69.7	69.7	70.0	70.0	70.1	70.7
≥ 3500	44.5	67.0	67.9	68.4	69.6	70.1	70.2	70.2	70.2	70.2	70.3	70.3	70.6	70.6	70.7	71.3
≥ 3000	45.8	69.9	71.0	71.4	72.7	73.2	73.3	73.3	73.3	73.3	73.4	73.4	73.7	73.7	73.8	74.4
≥ 2500	47.1	71.8	72.9	73.4	74.6	75.1	75.2	75.2	75.2	75.2	75.4	75.4	75.6	75.6	75.7	76.3
≥ 2000	47.5	74.1	75.2	75.9	77.1	77.7	77.9	77.9	77.9	77.9	78.1	78.1	78.3	78.3	78.4	79.0
≥ 1800	47.7	74.4	75.5	76.1	77.5	78.1	78.3	78.3	78.3	78.3	78.4	78.4	78.7	78.7	78.9	79.4
≥ 1500	48.3	75.5	76.6	77.2	78.7	79.3	79.5	79.5	79.5	79.5	79.7	79.7	79.9	79.9	80.0	80.6
≥ 1200	49.4	77.1	78.4	79.2	80.6	81.3	81.6	81.6	81.6	81.6	81.7	81.7	82.0	82.0	82.1	82.7
≥ 1000	49.6	77.5	78.8	79.7	81.1	82.0	82.4	82.4	82.4	82.4	82.5	82.5	82.7	82.7	82.8	83.5
≥ 900	49.6	77.7	79.0	79.9	81.5	82.4	82.7	82.7	82.7	82.7	82.8	82.8	83.1	83.1	83.2	83.8
≥ 800	49.9	77.9	79.3	80.3	82.0	83.0	83.5	83.5	83.5	83.5	83.6	83.6	83.8	83.8	83.9	84.6
≥ 700	50.2	78.3	79.7	81.0	83.0	83.9	84.6	84.6	84.6	84.7	84.8	84.8	85.0	85.0	85.2	85.8
≥ 600	50.2	78.6	80.0	81.5	83.9	84.9	86.2	86.2	86.2	86.3	86.4	86.4	86.6	86.6	86.8	87.4
≥ 500	50.4	78.7	80.1	81.7	84.7	85.9	87.5	87.9	88.0	88.1	88.2	88.2	88.5	88.5	88.6	89.2
≥ 400	50.4	78.8	80.4	82.6	86.0	87.3	89.1	89.5	90.4	90.6	90.7	90.7	90.9	90.9	91.1	91.7
≥ 300	50.4	78.9	80.6	83.1	87.1	88.7	90.6	91.2	92.3	92.8	92.9	92.9	93.1	93.1	93.3	93.9
≥ 200	50.4	78.9	80.6	83.2	87.3	88.8	90.7	91.3	92.6	93.6	93.8	93.8	94.6	94.6	94.9	95.5
≥ 100	50.4	78.9	80.6	83.2	87.3	88.8	90.9	91.5	93.0	94.4	94.7	94.7	96.2	96.4	97.2	97.9
≥ 0	50.4	78.9	80.6	83.2	87.3	88.8	90.9	91.5	93.0	94.4	94.9	94.9	96.3	96.6	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 816

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
68	OTIS AFB MA	68-70,73,75-80	NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	33.5	46.6	47.2	47.3	48.2	48.3	48.9	48.9	48.9	49.0	49.4	49.4	49.4	49.6	49.6	50.0
≥ 20000	33.7	47.1	47.7	47.8	48.7	48.8	49.4	49.4	49.4	49.5	49.9	49.9	49.9	50.1	50.1	50.5
≥ 18000	33.7	47.1	47.7	47.8	48.7	48.8	49.4	49.4	49.4	49.5	49.9	49.9	49.9	50.1	50.1	50.5
≥ 16000	33.7	47.	47.7	47.8	48.7	48.8	49.4	49.4	49.4	49.5	49.9	49.9	49.9	50.1	50.1	50.5
≥ 14000	34.3	48.2	48.9	49.1	50.0	50.1	50.7	50.7	50.7	50.9	51.2	51.2	51.2	51.5	51.5	51.8
≥ 12000	34.	48.4	49.1	49.4	50.2	50.4	51.0	51.0	51.0	51.1	51.5	51.5	51.5	51.7	51.7	52.1
≥ 10000	37.7	53.4	54.2	54.4	55.4	55.8	56.4	56.4	56.4	56.5	56.9	56.9	56.9	57.1	57.1	57.5
≥ 9000	37.7	53.8	54.5	54.8	55.8	56.1	56.7	56.7	56.7	56.9	57.2	57.2	57.2	57.5	57.5	57.8
≥ 8000	39.0	55.6	56.6	56.9	57.8	58.2	58.8	58.8	58.8	58.9	59.3	59.3	59.3	59.6	59.6	59.9
≥ 7000	39.1	56.9	57.8	58.1	59.1	59.4	60.0	60.0	60.0	60.2	60.5	60.5	60.5	60.8	60.8	61.2
≥ 6000	40.6	55.9	60.0	60.3	61.6	62.0	62.6	62.6	62.6	62.7	63.1	63.1	63.1	63.4	63.4	63.7
≥ 5000	41.1	61.4	62.6	62.9	64.3	64.7	65.4	65.4	65.4	65.6	65.9	65.9	65.9	66.2	66.2	66.5
≥ 4500	41.7	62.4	63.7	64.0	65.4	65.8	66.5	66.5	66.5	66.7	67.0	67.0	67.0	67.3	67.3	67.6
≥ 4000	42.4	64.3	65.8	66.3	67.8	68.1	68.9	68.9	68.9	69.0	69.4	69.4	69.4	69.6	69.6	70.0
≥ 3500	43.	65.6	67.0	67.5	69.0	69.5	70.2	70.2	70.2	70.3	70.7	70.7	70.7	71.0	71.0	71.3
≥ 3000	45.0	68.1	69.6	70.1	71.8	72.3	73.0	73.0	73.0	73.2	73.5	73.5	73.5	73.8	73.8	74.1
≥ 2500	46.1	70.0	71.4	71.9	73.7	74.1	74.9	74.9	74.9	75.0	75.4	75.4	75.4	75.6	75.6	76.0
≥ 2000	47.2	73.3	74.8	75.2	77.0	77.5	78.2	78.2	78.2	78.3	78.7	78.7	78.7	78.9	78.9	79.3
≥ 1800	47.5	73.8	75.4	75.9	77.6	78.1	78.8	78.8	78.8	78.9	79.3	79.3	79.3	79.5	79.5	79.9
≥ 1500	47.7	74.5	76.5	77.1	78.8	79.3	80.0	80.0	80.0	80.1	80.5	80.5	80.5	80.8	80.8	81.1
≥ 1200	48.3	75.9	77.8	78.6	80.4	81.1	81.9	81.9	81.9	82.0	82.4	82.4	82.4	82.6	82.6	83.0
≥ 1000	48.5	76.2	78.2	79.2	81.3	82.0	82.7	82.7	82.7	82.8	83.2	83.2	83.2	83.5	83.5	83.8
≥ 900	48.5	76.8	78.8	79.8	81.9	82.6	83.3	83.3	83.3	83.5	83.8	83.8	83.8	84.1	84.1	84.4
≥ 800	48.5	77.0	79.2	80.3	82.4	83.1	83.9	83.9	83.9	84.1	84.4	84.4	84.4	84.7	84.7	85.0
≥ 700	48.7	77.1	79.3	80.6	83.3	84.2	85.2	85.2	85.2	85.3	85.7	85.7	85.7	85.9	85.9	86.0
≥ 600	48.7	77.2	79.5	81.0	83.8	84.7	86.3	86.4	86.4	86.5	86.9	86.9	86.9	87.1	87.1	87.5
≥ 500	48.7	77.7	80.3	81.7	84.9	85.9	87.5	88.0	88.1	88.5	88.8	88.8	88.8	89.1	89.1	89.5
≥ 400	48.7	78.2	80.9	82.7	86.4	87.3	89.1	89.8	90.3	90.9	91.4	91.4	91.4	91.7	91.7	92.0
≥ 300	48.7	78.2	81.4	83.2	87.7	89.0	91.5	92.5	93.1	93.9	94.4	94.4	94.4	94.6	94.6	95.0
≥ 200	48.7	78.2	81.4	83.2	88.0	89.2	92.2	93.4	94.2	95.2	95.7	95.7	96.0	96.2	96.2	96.6
≥ 100	48.7	78.2	81.4	83.2	88.0	89.2	92.2	93.4	94.2	95.3	95.8	95.8	96.3	96.6	96.6	97.2
≥ 0	48.7	78.2	81.4	83.2	88.0	89.2	92.2	93.4	94.2	95.3	95.8	95.8	96.3	96.6	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 816

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725068 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — YEARS
NOV — MONTH
0600-0800 — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	33.6	43.8	44.0	44.0	44.3	44.3	44.5	44.5	44.7	44.9	45.2	45.2	45.2	45.2	45.8	46.0
≥ 20000	34.0	44.2	44.4	44.4	44.9	44.9	45.2	45.2	45.3	45.5	45.9	45.9	45.9	45.9	46.4	46.7
≥ 18000	34.0	44.2	44.4	44.4	44.9	44.9	45.2	45.2	45.3	45.5	45.9	45.9	45.9	45.9	46.4	46.7
≥ 16000	34.0	44.2	44.4	44.4	44.9	44.9	45.2	45.2	45.3	45.5	45.9	45.9	45.9	45.9	46.4	46.7
≥ 14000	34.6	45.2	45.5	45.5	46.1	46.1	46.4	46.4	46.5	46.9	47.2	47.2	47.2	47.2	47.8	48.0
≥ 12000	35.1	46.2	46.5	46.7	47.2	47.2	47.6	47.6	47.7	48.0	48.3	48.3	48.3	48.3	48.9	49.1
≥ 10000	39.2	52.2	53.0	53.2	54.2	54.2	54.6	54.6	54.7	55.0	55.3	55.3	55.3	55.3	55.9	56.1
≥ 9000	39.2	52.6	53.3	53.7	54.7	54.7	55.0	55.0	55.1	55.5	55.8	55.8	55.8	55.8	56.3	56.6
≥ 8000	41.3	55.5	56.3	56.7	57.8	57.8	58.1	58.1	58.2	58.6	58.9	58.9	58.9	58.9	59.5	59.7
≥ 7000	41.8	57.1	58.5	58.8	60.0	60.0	60.4	60.4	60.5	60.8	61.1	61.1	61.1	61.1	61.7	61.9
≥ 6000	43.3	59.8	61.2	61.9	63.3	63.3	63.7	63.7	63.8	64.3	64.6	64.6	64.6	64.6	65.1	65.4
≥ 5000	44.8	62.8	64.4	65.0	66.4	66.4	66.8	66.8	66.9	67.4	67.7	67.7	67.7	67.7	68.3	68.5
≥ 4500	45.4	64.0	65.6	66.3	67.6	67.6	68.0	68.0	68.2	68.6	68.9	68.9	68.9	68.9	69.5	69.7
≥ 4000	46.4	66.4	68.3	68.9	70.3	70.3	70.8	71.0	71.2	71.7	72.0	72.0	72.0	72.0	72.6	72.8
≥ 3500	47.1	67.3	69.2	69.8	71.2	71.3	71.8	72.0	72.2	72.7	73.1	73.1	73.1	73.1	73.6	73.8
≥ 3000	48.7	69.3	71.2	71.9	73.3	73.4	73.9	74.2	74.3	74.8	75.2	75.2	75.2	75.2	75.7	75.9
≥ 2500	49.3	70.7	72.7	73.5	74.8	74.9	75.5	75.7	75.8	76.4	76.7	76.7	76.7	76.7	77.3	77.5
≥ 2000	50.1	73.2	75.3	76.1	77.4	77.6	78.2	78.4	78.5	79.1	79.4	79.4	79.4	79.4	80.0	80.2
≥ 1800	50.1	73.3	75.4	76.2	77.5	77.7	78.4	78.6	78.7	79.3	79.6	79.6	79.6	79.6	80.2	80.4
≥ 1500	50.4	73.9	76.2	77.1	78.5	78.7	79.4	79.7	79.8	80.4	80.7	80.7	80.7	80.7	81.3	81.5
≥ 1200	51.2	75.7	78.1	79.1	80.7	81.0	81.6	82.0	82.1	82.6	83.0	83.0	83.0	83.0	83.5	83.7
≥ 1000	51.4	76.4	78.7	79.7	81.6	81.8	82.5	82.9	83.0	83.5	83.9	83.9	83.9	83.9	84.4	84.6
≥ 900	51.4	76.8	79.5	80.5	82.4	82.7	83.4	83.7	83.9	84.4	84.7	84.7	84.7	84.7	85.3	85.5
≥ 800	51.7	77.1	79.7	80.7	82.6	83.1	83.7	84.1	84.2	84.7	85.1	85.1	85.1	85.1	85.6	85.9
≥ 700	51.7	77.5	80.5	81.7	84.0	84.6	85.5	85.9	86.0	86.5	86.9	86.9	86.9	86.9	87.4	87.6
≥ 600	51.7	77.7	80.7	82.1	84.4	85.4	86.4	87.0	87.1	87.6	88.0	88.0	88.0	88.0	88.5	88.6
≥ 500	51.9	78.4	81.6	83.2	85.9	86.9	88.2	89.5	89.6	90.3	90.6	90.6	90.6	90.6	91.2	91.4
≥ 400	51.9	78.5	81.8	83.7	86.4	87.4	89.0	90.3	90.6	91.3	91.6	91.6	91.6	91.6	92.2	92.4
≥ 300	51.9	78.5	82.1	84.1	86.9	88.1	90.0	91.9	92.2	93.2	93.7	93.7	93.8	93.8	94.3	94.5
≥ 200	51.9	78.6	82.2	84.2	87.1	88.4	90.5	92.5	93.0	94.0	94.7	94.7	95.1	95.2	96.0	96.2
≥ 100	51.9	78.6	82.2	84.2	87.1	88.4	90.5	92.5	93.0	94.3	95.2	95.2	96.1	96.3	97.9	98.9
≥ 0	51.9	78.6	82.2	84.2	87.1	88.4	90.5	92.5	93.0	94.3	95.2	95.2	96.1	96.3	97.9	100.0

TOTAL NUMBER OF OBSERVATIONS 898

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 68 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — 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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	39.2	43.0	43.0	43.1	43.2	43.2	43.3	43.3	43.3	43.3	43.4	43.4	43.4	43.4	43.4	43.4
≥ 20000	40.6	44.9	44.9	45.1	45.3	45.3	45.4	45.4	45.4	45.4	45.6	45.6	45.6	45.6	45.6	45.6
≥ 18000	40.7	45.0	45.0	45.2	45.4	45.4	45.6	45.6	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7
≥ 16000	40.7	45.0	45.0	45.2	45.4	45.4	45.6	45.6	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7
≥ 14000	41.3	46.3	46.3	46.6	46.8	46.8	46.9	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0	47.0
≥ 12000	42.3	48.0	48.0	48.2	48.4	48.4	48.6	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7
≥ 10000	46.0	52.6	52.6	52.9	53.1	53.1	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3
≥ 9000	46.7	53.2	53.2	53.6	53.8	53.8	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0
≥ 8000	48.9	57.0	57.2	57.7	57.9	57.9	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1
≥ 7000	49.7	58.7	59.0	59.4	59.8	59.8	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0
≥ 6000	51.4	61.4	61.8	62.4	62.8	62.8	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0
≥ 5000	53.0	63.2	63.6	64.2	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8
≥ 4500	54.3	64.7	65.0	65.7	66.0	66.0	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2
≥ 4000	56.6	68.0	68.4	69.2	69.6	69.6	69.7	69.7	69.7	69.7	69.8	69.8	69.8	69.8	69.8	69.8
≥ 3500	57.2	69.0	69.4	70.2	70.6	70.6	70.7	70.7	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8
≥ 3000	58.6	70.9	71.3	72.2	72.6	72.7	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2500	59.9	72.9	73.3	74.3	74.7	74.8	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0
≥ 2000	60.7	74.3	74.8	75.9	76.2	76.3	76.4	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6
≥ 1800	61.1	74.8	75.2	76.3	76.8	76.9	77.0	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1500	61.7	76.0	76.6	77.7	78.3	78.4	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1200	62.7	78.3	79.2	80.6	81.2	81.3	81.6	81.7	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1000	62.9	79.4	80.3	81.8	82.7	82.8	83.1	83.2	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4
≥ 900	62.9	79.8	80.8	82.2	83.3	83.4	83.8	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2
≥ 800	63.0	80.2	81.2	83.0	84.3	84.4	84.8	85.0	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2
≥ 700	63.3	80.9	82.0	84.0	85.7	86.1	86.4	86.7	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9
≥ 600	63.4	82.1	83.2	85.3	87.1	87.6	87.9	88.4	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7
≥ 500	63.4	83.0	84.4	87.6	89.6	90.0	90.7	91.4	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9
≥ 400	63.4	83.0	84.4	88.0	90.3	90.9	92.2	93.2	93.7	93.9	94.1	94.1	94.1	94.1	94.1	94.1
≥ 300	63.4	83.0	84.4	88.0	90.3	91.2	92.8	94.4	95.3	95.7	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200	63.4	83.0	84.4	88.0	90.3	91.2	93.0	94.9	95.9	96.3	97.1	97.2	97.7	97.7	97.9	97.9
≥ 100	63.4	83.0	84.4	88.0	90.3	91.2	93.0	94.9	96.1	96.6	97.6	97.7	98.3	98.3	99.0	99.2
≥ 0	63.4	83.0	84.4	88.0	90.3	91.2	93.0	94.9	96.1	96.6	97.6	97.7	98.4	98.4	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 65 | UTIS AFB MA | 68-70,73,75-80 | 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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	41.4	45.6	45.1	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 20000	43.6	48.2	48.6	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 18000	44.1	48.8	49.3	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 16000	44.1	45.8	49.3	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 14000	45.1	49.8	50.4	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 12000	46.3	51.8	52.4	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
≥ 10000	49.1	55.0	55.8	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 9000	49.1	55.0	55.8	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 8000	51.0	58.4	59.2	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 7000	51.4	59.8	60.6	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 6000	52.8	61.8	62.7	63.0	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 5000	53.9	63.7	64.6	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 4500	55.1	64.9	65.8	66.2	66.4	66.6	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	57.3	68.2	69.2	69.8	70.0	70.1	70.1	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3500	58.9	69.7	70.7	71.2	71.4	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3000	61.1	72.4	73.4	74.0	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 2500	61.4	74.3	75.4	76.0	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 2000	63.2	76.8	77.9	78.4	78.7	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 1800	63.5	77.1	78.2	78.8	79.0	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 1500	64.8	79.4	80.7	81.3	81.7	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1200	65.0	81.2	82.7	83.4	84.0	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 1000	65.3	82.1	83.7	84.4	85.1	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 900	65.8	82.8	84.6	85.3	86.3	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 800	66.1	83.6	85.9	86.9	88.1	88.4	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 700	66.1	84.1	86.8	88.1	89.4	89.8	90.0	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 600	66.1	84.4	87.2	88.7	90.1	90.7	90.9	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 500	66.2	85.2	88.1	90.1	92.2	92.8	93.2	94.0	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 400	66.2	85.2	88.1	90.3	93.0	94.0	94.9	95.8	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 300	66.2	85.2	88.1	90.3	93.1	94.4	95.6	97.2	97.6	98.3	98.3	98.3	98.4	98.4	98.4	98.4
≥ 200	66.2	85.2	88.2	90.4	93.2	94.6	95.8	97.7	98.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3
≥ 100	66.2	85.2	88.2	90.4	93.2	94.6	95.8	97.7	98.1	99.2	99.3	99.4	99.6	99.6	99.6	99.7
≥ 0	66.2	85.2	88.2	90.4	93.2	94.6	95.8	97.7	98.1	99.2	99.3	99.4	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible] 68	OTIS AFB MA	68-70,73,75-80	NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	36.6	42.1	42.8	42.9	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 20000	39.1	45.9	46.6	46.7	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	39.2	46.1	46.8	46.9	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 16000	39.2	46.2	46.9	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 14000	40.3	48.1	48.8	48.9	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 12000	42.3	51.0	51.7	51.8	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 10000	44.3	54.3	55.2	55.3	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 9000	44.4	54.4	55.3	55.4	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
≥ 8000	46.3	58.2	59.1	59.2	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 7000	47.8	60.8	61.8	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 6000	49.1	62.7	63.7	63.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 5000	50.7	65.0	66.0	66.2	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4500	51.3	66.2	67.2	67.4	68.0	68.0	68.0	68.0	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.3
≥ 4000	53.3	68.3	69.6	69.8	70.4	70.6	70.6	70.6	70.7	70.8	70.8	70.8	70.9	70.9	70.9	70.9
≥ 3500	54.9	69.6	70.8	71.0	71.7	71.8	71.8	71.8	71.9	72.0	72.0	72.0	72.1	72.1	72.1	72.1
≥ 3000	57.7	73.8	75.1	75.3	76.0	76.1	76.2	76.2	76.3	76.4	76.4	76.4	76.6	76.6	76.6	76.6
≥ 2500	58.7	75.4	76.8	77.0	77.7	77.8	77.9	77.9	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.2
≥ 2000	61.0	78.6	79.9	80.2	80.9	81.0	81.1	81.1	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.4
≥ 1800	61.1	78.9	80.2	80.6	81.2	81.3	81.4	81.4	81.6	81.7	81.7	81.7	81.8	81.8	81.8	81.8
≥ 1500	61.9	81.1	82.6	83.1	83.9	84.0	84.1	84.1	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4
≥ 1200	62.7	82.2	83.8	84.3	85.1	85.2	95.4	85.4	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8
≥ 1000	63.2	83.1	84.7	85.2	86.2	86.3	86.7	86.7	86.8	86.9	86.9	86.9	87.0	87.0	87.0	87.0
≥ 900	63.2	83.4	85.1	85.8	87.0	87.2	87.6	87.6	87.7	87.8	87.8	87.8	87.9	87.9	87.9	87.9
≥ 800	63.6	83.9	85.7	86.3	87.7	88.0	88.4	88.7	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0
≥ 700	63.7	84.2	86.3	87.2	88.9	89.2	89.8	90.0	90.2	90.3	90.3	90.3	90.4	90.4	90.4	90.4
≥ 600	63.9	84.4	86.8	87.7	89.6	90.0	90.9	91.1	91.3	91.4	91.4	91.4	91.6	91.6	91.6	91.6
≥ 500	64.0	84.7	87.1	88.2	90.3	90.8	92.1	92.7	93.0	93.2	93.2	93.2	93.3	93.3	93.3	93.3
≥ 400	64.0	84.7	87.1	88.2	90.7	91.2	93.1	93.8	94.4	95.0	95.1	95.1	95.2	95.2	95.2	95.2
≥ 300	64.0	84.8	87.3	88.4	91.4	92.1	94.3	95.8	96.4	97.4	97.6	97.6	97.8	97.8	97.8	97.8
≥ 200	64.0	84.8	87.3	88.4	91.4	92.1	94.4	96.1	96.9	98.0	98.2	98.2	98.4	98.4	98.6	98.6
≥ 100	64.0	84.8	87.3	88.4	91.4	92.1	94.4	96.1	96.9	98.1	98.7	98.7	99.0	99.1	99.3	99.6
≥ 0	64.0	84.8	87.3	88.4	91.4	92.1	94.4	96.1	96.9	98.1	98.7	98.7	99.1	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
6?	OTIS AFB MA	68-70,73,75-80	NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	29.7	44.8	45.4	45.6	45.7	46.1	46.2	46.2	46.2	46.4	46.6	46.6	46.6	46.6	46.6	46.7
≥ 20000	29.7	46.7	47.3	47.5	47.6	47.9	48.1	48.1	48.1	48.3	48.5	48.5	48.5	48.5	48.5	48.6
≥ 18000	29.7	46.7	47.3	47.5	47.6	47.9	48.1	48.1	48.1	48.3	48.5	48.5	48.5	48.5	48.5	48.6
≥ 16000	29.7	46.8	47.4	47.6	47.7	48.1	48.2	48.2	48.2	48.4	48.6	48.6	48.6	48.6	48.6	48.7
≥ 14000	30.5	47.8	48.4	48.6	48.7	49.1	49.2	49.2	49.2	49.4	49.6	49.6	49.6	49.6	49.6	49.7
≥ 12000	30.8	49.4	49.9	50.2	50.3	50.6	50.7	50.7	50.7	50.9	51.2	51.2	51.2	51.2	51.2	51.3
≥ 10000	32.3	53.2	53.8	54.1	54.2	54.5	54.6	54.6	54.6	54.8	55.1	55.1	55.1	55.1	55.1	55.2
≥ 9000	32.3	53.4	54.1	54.3	54.4	54.7	54.8	54.8	54.8	55.1	55.3	55.3	55.3	55.3	55.3	55.4
≥ 8000	34.3	56.1	56.7	57.0	57.1	57.4	57.5	57.5	57.5	57.7	58.0	58.0	58.0	58.0	58.0	58.1
≥ 7000	34.3	57.5	58.2	58.4	58.6	59.0	59.1	59.2	59.2	59.4	59.6	59.6	59.6	59.6	59.6	59.7
≥ 6000	36.3	60.0	60.6	60.8	61.1	61.4	61.5	61.6	61.6	61.8	62.1	62.1	62.1	62.1	62.1	62.2
≥ 5000	38.7	63.5	64.7	65.0	65.2	65.5	65.6	65.7	65.7	66.0	66.2	66.2	66.2	66.2	66.2	66.3
≥ 4500	40.0	65.6	67.0	67.2	67.5	67.9	68.0	68.1	68.1	68.3	68.5	68.5	68.5	68.5	68.5	68.6
≥ 4000	41.9	68.6	70.1	70.3	70.6	71.0	71.1	71.2	71.2	71.4	71.6	71.6	71.6	71.6	71.6	71.7
≥ 3500	42.3	69.4	70.9	71.1	71.4	71.7	71.9	72.0	72.0	72.2	72.4	72.4	72.4	72.4	72.4	72.5
≥ 3000	45.1	72.9	75.0	75.4	75.8	76.1	76.4	76.5	76.5	76.8	77.0	77.0	77.0	77.0	77.0	77.1
≥ 2500	46.1	74.6	76.8	77.2	77.5	77.9	78.2	78.3	78.3	78.5	78.8	78.8	78.8	78.8	78.8	78.9
≥ 2000	47.7	77.9	80.0	80.4	80.8	81.1	81.4	81.5	81.5	81.8	82.0	82.0	82.0	82.0	82.0	82.1
≥ 1800	48.1	78.2	80.3	80.8	81.1	81.4	81.8	81.9	81.9	82.1	82.3	82.3	82.3	82.3	82.3	82.4
≥ 1500	48.2	79.9	82.0	82.5	82.9	83.2	83.5	83.6	83.6	83.9	84.1	84.1	84.1	84.1	84.1	84.2
≥ 1200	48.7	80.8	82.9	83.6	84.1	84.4	84.8	85.1	85.1	85.3	85.5	85.5	85.5	85.5	85.5	85.7
≥ 1000	48.7	81.2	83.4	84.3	84.9	85.2	85.5	85.9	85.9	86.1	86.3	86.3	86.3	86.3	86.3	86.4
≥ 900	48.8	81.3	83.5	84.4	85.	85.7	86.0	86.3	86.3	86.5	86.8	86.8	86.8	86.8	86.8	86.9
≥ 800	49.1	81.8	84.1	85.0	86.1	86.7	87.0	87.4	87.4	87.7	87.9	87.9	87.9	87.9	87.9	88.0
≥ 700	49.2	82.1	84.5	85.8	87.1	87.8	88.2	88.7	88.7	88.9	89.1	89.1	89.1	89.1	89.1	89.2
≥ 600	49.3	82.4	84.9	86.1	87.5	88.5	89.2	89.7	89.7	89.9	90.1	90.1	90.1	90.1	90.1	90.2
≥ 500	49.4	82.5	85.5	86.8	88.4	89.4	90.5	91.3	91.4	91.7	91.9	91.9	91.9	91.9	91.9	92.0
≥ 400	49.4	82.5	85.7	87.2	89.3	90.4	91.7	92.8	93.5	93.9	94.1	94.1	94.1	94.1	94.1	94.2
≥ 300	49.4	82.6	85.8	87.3	89.4	90.5	92.3	94.0	94.8	95.3	95.6	95.6	95.6	95.6	95.6	95.7
≥ 200	49.4	82.6	85.8	87.4	89.9	91.0	93.0	94.9	96.0	96.7	96.9	96.9	97.0	97.0	97.0	97.1
≥ 100	49.4	82.6	85.8	87.4	89.9	91.0	93.0	95.0	96.1	96.9	97.6	97.8	98.3	98.6	99.0	99.1
≥ 0	49.4	82.6	85.8	87.4	89.9	91.0	93.0	95.0	96.1	96.9	97.6	97.8	98.3	98.7	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 899

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible] 6	OTIS AFB MA	68-70,73,75-80	NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	29.7	45.9	46.2	46.4	46.7	46.8	47.3	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.9	48.[illegible]
≥ 20000	30.2	48.6	48.9	49.1	49.3	49.4	50.0	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.4	50.7
≥ 18000	30.2	48.7	49.0	49.2	49.4	49.6	50.1	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.6	50.8
≥ 16000	30.2	48.7	49.0	49.2	49.4	49.6	50.1	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.6	50.8
≥ 14000	31.1	49.7	50.0	50.2	50.4	50.6	51.1	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.6	51.8
≥ 12000	31.3	50.7	51.0	51.2	51.4	51.6	52.1	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.6	52.8
≥ 10000	34.4	54.6	54.9	55.1	55.3	55.4	56.0	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.4	56.7
≥ 9000	34.4	55.0	55.3	55.6	55.8	55.9	56.4	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.9	57.1
≥ 8000	35.6	57.3	57.7	57.9	58.1	58.2	58.8	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.2	59.7
≥ 7000	36.0	58.4	58.8	59.0	59.2	59.3	59.9	60.1	60.1	60.2	60.2	60.2	60.2	60.2	60.3	60.9
≥ 6000	36.7	59.9	60.2	60.4	60.7	60.8	61.3	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.8	62.3
≥ 5000	39.1	63.4	64.2	64.4	64.7	64.8	65.3	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.8	66.3
≥ 4500	40.0	64.9	65.7	65.9	66.1	66.2	66.8	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.2	67.8
≥ 4000	41.3	67.2	68.1	68.2	68.6	68.7	69.2	69.4	69.6	69.7	69.7	69.7	69.7	69.7	69.8	70.3
≥ 3500	42.[illegible]	68.4	69.2	69.4	69.8	69.9	70.4	70.7	70.8	70.9	70.9	70.9	70.9	70.9	71.0	71.6
≥ 3000	44.1	72.4	73.7	73.9	74.8	74.9	75.4	75.7	75.8	75.9	75.9	75.9	75.9	75.9	76.0	76.6
≥ 2500	45.2	74.0	75.2	75.4	76.3	76.4	77.0	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.6	78.1
≥ 2000	46.3	76.4	77.8	78.0	78.9	79.0	79.7	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.2	80.8
≥ 1800	46.4	77.0	78.3	78.6	79.4	79.6	80.2	80.4	80.6	80.7	80.7	80.7	80.7	80.7	80.8	81.3
≥ 1500	46.8	78.1	79.4	80.0	80.9	81.0	81.7	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.2	82.8
≥ 1200	47.0	79.1	80.8	81.3	82.4	82.6	83.2	83.4	83.6	83.7	83.7	83.7	83.7	83.7	83.8	84.3
≥ 1000	47.1	79.6	81.4	82.0	83.1	83.2	84.1	84.3	84.4	84.6	84.6	84.6	84.6	84.6	84.7	85.2
≥ 900	47.1	79.7	81.6	82.1	83.2	83.3	84.2	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.9	85.4
≥ 800	47.1	79.8	81.8	82.3	83.7	84.0	84.9	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.8	86.3
≥ 700	47.2	80.0	82.1	82.9	84.6	85.0	86.0	86.7	86.8	86.9	86.9	86.9	86.9	86.9	87.0	87.6
≥ 600	47.2	80.1	82.3	83.2	84.9	85.3	86.4	87.2	87.4	87.6	87.6	87.6	87.6	87.6	87.7	88.2
≥ 500	47.2	80.1	82.4	83.3	85.3	86.1	87.7	88.9	89.1	89.4	89.6	89.6	89.6	89.6	89.7	90.2
≥ 400	47.2	80.2	82.7	83.9	86.6	87.3	89.1	90.3	91.1	91.7	91.8	91.8	91.8	91.8	91.9	92.4
≥ 300	47.2	80.2	82.7	83.9	86.7	87.4	89.8	91.3	92.2	93.1	93.2	93.2	93.2	93.2	93.3	93.9
≥ 200	47.2	80.2	82.7	83.9	86.7	87.4	89.9	92.0	93.1	94.4	94.6	94.6	94.9	94.9	95.0	95.6
≥ 100	47.2	80.2	82.7	83.9	86.7	87.4	90.0	92.1	93.2	94.9	95.2	95.2	96.1	96.6	97.1	97.7
≥ 0	47.2	80.2	82.7	83.9	86.7	87.4	90.0	92.1	93.2	94.9	95.2	95.2	96.2	96.6	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: [illegible]
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.): ALL

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	34.5	44.8	45.2	45.4	45.7	45.9	46.1	46.1	46.1	46.2	46.3	46.3	46.4	46.4	46.5	46.7
≥ 20000	35.5	46.7	47.1	47.3	47.7	47.8	48.1	48.1	48.1	48.2	48.3	48.3	48.3	48.4	48.5	48.6
≥ 18000	35.6	46.8	47.3	47.4	47.8	48.0	48.2	48.2	48.2	48.3	48.4	48.4	48.5	48.5	48.6	48.8
≥ 16000	35.6	46.8	47.3	47.5	47.9	48.0	48.2	48.2	48.3	48.3	48.5	48.5	48.5	48.5	48.6	48.8
≥ 14000	36.6	48.0	48.5	48.7	49.1	49.2	49.4	49.5	49.5	49.6	49.7	49.7	49.7	49.7	49.8	50.0
≥ 12000	37.3	49.3	49.6	50.0	50.4	50.6	50.8	50.8	50.8	50.9	51.0	51.0	51.1	51.1	51.2	51.4
≥ 10000	40.0	53.3	53.9	54.2	54.6	54.8	55.0	55.1	55.1	55.2	55.3	55.3	55.3	55.4	55.5	55.7
≥ 9000	40.1	53.7	54.3	54.5	55.0	55.2	55.4	55.4	55.4	55.5	55.7	55.7	55.7	55.7	55.8	56.0
≥ 8000	41.8	56.6	57.3	57.6	58.1	58.2	58.5	58.5	58.5	58.6	58.7	58.7	58.8	58.8	58.9	59.1
≥ 7000	42.4	58.3	59.1	59.4	59.9	60.1	60.3	60.4	6 .4	60.5	60.6	60.6	60.6	60.7	60.8	61.0
≥ 6000	43.3	60.5	61.3	61.7	62.3	62.5	62.7	62.8	62.8	62.9	63.0	63.0	63.1	63.1	63.2	63.4
≥ 5000	45.5	63.3	64.2	64.6	65.3	65.5	65.7	65.8	65.8	65.9	66.0	66.0	66.1	66.1	66.2	66.4
≥ 4500	46.5	64.6	65.6	66.0	66.7	66.9	67.2	67.2	67.2	67.4	67.5	67.5	67.5	67.6	67.7	67.9
≥ 4000	48.2	67.2	68.4	68.8	69.6	69.7	70.0	70.1	70.1	70.3	70.4	70.4	70.5	70.5	70.6	70.8
≥ 3500	48.8	68.3	69.4	69.9	70.6	70.8	71.1	71.2	71.2	71.4	71.5	71.5	71.5	71.6	71.7	71.9
≥ 3000	50.9	71.3	72.6	73.1	73.9	74.1	74.5	74.5	74.6	74.7	74.9	74.9	74.9	74.9	75.0	75.3
≥ 2500	51.8	73.0	74.4	74.9	75.7	76.0	76.3	76.3	76.4	76.5	76.7	76.7	76.7	76.8	76.9	77.1
≥ 2000	53.1	75.6	77.0	77.6	78.4	78.6	79.0	79.1	79.1	79.3	79.4	79.4	79.4	79.5	79.6	79.8
≥ 1800	53.3	76.0	77.4	77.9	78.8	79.0	79.4	79.5	79.5	79.7	79.8	79.8	79.9	79.9	80.0	80.2
≥ 1500	53.9	77.4	78.9	79.6	80.5	80.8	81.1	81.2	81.2	81.4	81.5	81.5	81.6	81.6	81.7	81.9
≥ 1200	54.5	78.8	80.5	81.3	82.4	82.7	83.1	83.2	83.3	83.4	83.5	83.5	83.6	83.6	83.7	83.9
≥ 1000	54.7	79.5	81.2	82.1	83.3	83.6	84.1	84.2	84.3	84.4	84.6	84.6	84.6	84.6	84.7	85.0
≥ 900	54.9	79.9	81.7	82.6	83.9	84.3	84.7	84.9	85.0	85.1	85.2	85.2	85.3	85.3	85.4	85.6
≥ 800	55.0	80.2	82.2	83.2	84.7	85.1	85.7	85.9	86.0	86.1	86.3	86.3	86.3	86.3	86.4	86.7
≥ 700	55.1	80.6	82.7	84.0	85.8	86.4	87.0	87.3	87.4	87.6	87.7	87.7	87.7	87.8	87.9	88.1
≥ 600	55.2	81.0	83.2	84.5	86.5	87.2	88.1	88.5	88.6	88.7	88.9	88.9	88.9	88.9	89.0	89.3
≥ 500	55.3	81.4	83.8	85.4	87.7	88.5	89.7	90.5	90.7	91.0	91.1	91.1	91.2	91.2	91.3	91.5
≥ 400	55.3	81.5	84.0	85.9	88.6	89.5	91.1	92.0	92.6	93.0	93.2	93.2	93.3	93.3	93.4	93.6
≥ 300	55.3	81.5	84.1	86.1	89.1	90.2	92.1	93.6	94.3	95.0	95.2	95.2	95.3	95.4	95.5	95.7
≥ 200	55.3	81.5	84.2	86.2	89.3	90.4	92.5	94.1	95.0	96.0	96.3	96.3	96.7	96.7	96.9	97.1
≥ 100	55.3	81.5	84.2	86.2	89.3	90.4	92.5	94.2	95.1	96.2	96.8	96.9	97.5	97.7	98.2	98.7
≥ 0	55.3	81.5	84.2	86.2	89.3	90.4	92.5	94.2	95.1	96.2	96.8	96.9	97.6	97.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 7029

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
68	OTIS AFB MA	68-70,75-80	DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	38.7	51.1	51.3	51.4	51.9	51.9	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.5
≥ 20000	39.4	51.9	52.1	52.1	52.6	52.6	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2
≥ 18000	39.4	51.9	52.1	52.1	52.6	52.6	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2
≥ 16000	39.4	51.9	52.1	52.1	52.6	52.6	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2
≥ 14000	39.9	52.6	52.7	52.8	53.3	53.3	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9	53.9	53.9
≥ 12000	40.4	53.3	53.4	53.6	54.0	54.0	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6
≥ 10000	41.3	55.1	55.2	55.4	55.9	55.9	56.3	56.3	56.3	56.3	56.3	56.3	56.5	56.5	56.5	56.5
≥ 9000	41.3	55.5	55.6	55.7	56.2	56.2	56.7	56.7	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8
≥ 8000	42.1	56.6	56.8	56.9	57.4	57.4	57.9	58.1	58.1	58.1	58.1	58.1	58.3	58.3	58.3	58.3
≥ 7000	43.1	58.6	58.9	59.0	59.5	59.5	60.0	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.4
≥ 6000	45.6	62.0	62.4	62.5	63.0	63.0	63.4	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.9	63.9
≥ 5000	46.7	63.4	64.2	64.3	64.8	64.8	65.3	65.5	65.5	65.5	65.5	65.5	65.6	65.6	65.6	65.7
≥ 4500	47.0	63.8	64.5	64.9	65.4	65.4	65.9	66.1	66.1	66.1	66.1	66.1	66.2	66.2	66.2	66.3
≥ 4000	47.8	65.7	66.5	66.8	67.3	67.3	67.8	68.0	68.0	68.0	68.0	68.0	68.2	68.2	68.2	68.3
≥ 3500	48.4	66.8	67.7	68.2	68.8	68.8	69.2	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.7
≥ 3000	49.9	69.7	70.7	71.2	71.9	72.0	72.5	72.7	72.7	72.7	72.7	72.7	72.9	72.9	72.9	73.0
≥ 2500	51.1	71.3	72.3	72.7	73.7	73.8	74.3	74.5	74.5	74.5	74.5	74.5	74.7	74.7	74.7	74.8
≥ 2000	53.4	74.8	75.9	76.5	77.7	77.8	78.4	78.6	78.6	78.6	78.6	78.6	78.8	78.8	78.8	78.9
≥ 1800	53.4	75.2	76.2	77.0	78.2	78.3	78.9	79.1	79.1	79.1	79.1	79.1	79.3	79.3	79.3	79.4
≥ 1500	53.7	75.6	77.0	77.7	79.0	79.1	79.7	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.2
≥ 1200	53.9	76.1	77.6	78.6	80.2	80.3	81.1	81.5	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.9
≥ 1000	54.0	76.5	77.9	79.5	81.2	81.3	82.0	82.6	82.8	82.8	82.8	82.8	82.9	82.9	82.9	83.0
≥ 900	54.1	76.8	78.4	80.0	81.7	81.8	82.6	83.4	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.7
≥ 800	54.1	77.3	79.0	81.1	83.0	83.1	84.1	85.0	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.5
≥ 700	54.1	77.6	79.5	81.5	83.5	83.6	84.6	85.9	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.9
≥ 600	54.1	77.9	79.9	81.9	84.0	84.1	85.5	87.0	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.9
≥ 500	54.2	78.3	80.6	82.8	85.5	85.8	87.6	89.6	90.5	90.8	90.8	90.8	91.0	91.0	91.0	91.1
≥ 400	54.2	78.8	81.1	83.4	86.6	87.0	89.5	92.2	93.0	94.0	94.0	94.0	94.1	94.1	94.1	94.2
≥ 300	54.2	78.9	81.2	83.5	87.2	87.7	90.7	94.1	94.9	96.1	96.3	96.3	96.5	96.5	96.5	96.6
≥ 200	54.2	78.9	81.2	83.5	87.2	87.7	91.0	94.5	95.4	96.9	97.2	97.2	97.7	97.7	97.7	97.8
≥ 100	54.2	78.9	81.2	83.5	87.2	87.7	91.0	94.6	95.8	97.6	98.1	98.1	98.9	99.0	99.5	99.6
≥ 0	54.2	78.9	81.2	63.5	87.2	87.7	91.0	94.6	95.8	97.6	98.1	98.1	98.9	99.0	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 629

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 63 | OTIS AFB MA | 68-70,73,75-80 | 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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	40.7	53.3	53.3	53.6	54.0	54.1	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5
≥ 20000	41.4	54.0	54.0	54.4	54.7	54.8	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2
≥ 18000	41.4	54.0	54.0	54.4	54.7	54.8	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2
≥ 16000	41.4	54.0	54.0	54.4	54.7	54.8	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2
≥ 14000	41.6	54.4	54.4	54.7	55.1	55.2	55.4	55.4	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.6
≥ 12000	41.8	54.5	54.5	54.8	55.2	55.3	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7
≥ 10000	42.9	55.9	55.9	56.3	56.7	56.8	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1
≥ 9000	43.0	56.2	56.2	56.5	56.9	57.0	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4
≥ 8000	43.9	58.0	58.1	58.5	58.8	59.0	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3
≥ 7000	44.7	59.9	60.0	60.4	60.8	60.9	61.1	61.1	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3
≥ 6000	46.2	62.8	63.0	63.3	63.7	63.8	64.0	64.0	64.0	64.0	64.2	64.2	64.2	64.2	64.2	64.2
≥ 5000	48.2	65.6	65.7	66.1	66.5	66.6	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9
≥ 4500	48.8	66.2	66.3	66.7	67.1	67.2	67.4	67.4	67.4	67.4	67.6	67.6	67.6	67.6	67.6	67.6
≥ 4000	48.8	66.9	67.1	67.6	67.9	68.0	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3500	49.0	68.2	68.4	68.9	69.4	69.5	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0
≥ 3000	51.3	71.1	71.7	72.4	73.1	73.2	73.7	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1
≥ 2500	51.9	72.6	73.4	74.1	74.9	75.1	75.5	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9
≥ 2000	53.8	75.4	76.3	77.5	78.6	78.7	79.2	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5
≥ 1800	54.0	76.7	76.5	77.7	78.8	78.9	79.4	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8
≥ 1500	54.4	76.8	77.8	79.1	80.3	80.4	81.1	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1200	54.8	78.0	79.1	80.5	81.8	82.2	82.9	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5
≥ 1000	54.8	78.2	79.4	81.2	82.6	82.9	83.8	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5
≥ 900	54.9	78.3	79.8	81.6	82.9	83.3	84.3	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0
≥ 800	55.0	78.5	80.0	82.1	83.8	84.1	85.1	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8
≥ 700	55.0	78.8	80.5	82.8	84.7	85.2	86.3	86.9	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0
≥ 600	55.0	78.9	81.0	83.4	85.6	86.1	87.7	88.4	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.7
≥ 500	55.0	79.3	81.4	83.9	86.7	87.2	89.1	90.3	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0
≥ 400	55.0	79.5	82.0	84.9	88.5	89.1	91.6	93.5	94.1	94.4	94.7	94.7	94.7	94.7	94.7	94.7
≥ 300	55.0	79.5	82.0	84.9	89.1	90.0	93.5	95.6	96.7	97.1	97.5	97.5	97.5	97.5	97.5	97.5
≥ 200	55.0	79.5	82.0	84.9	89.1	90.1	93.7	96.1	97.2	97.8	98.5	98.5	98.9	98.9	98.9	98.9
≥ 100	55.0	79.5	82.0	84.9	89.1	90.1	93.7	96.1	97.2	97.9	98.8	98.8	100.0	100.0	100.0	100.0
≥ 0	55.0	79.5	82.0	84.9	89.1	90.1	93.7	96.1	97.2	97.9	98.8	98.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 826

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible] 68	OTIS AFB MA	68-70,73,75-80	DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	38.2	47.3	47.4	47.6	47.8	47.9	47.9	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 20000	39.3	49.4	49.5	49.7	49.9	50.0	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 18000	39.3	49.4	49.5	49.7	49.9	50.0	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 16000	39.3	49.4	49.5	49.7	49.9	50.0	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 14000	40.4	50.5	50.6	51.0	51.2	51.3	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 12000	40.9	51.6	51.7	52.1	52.3	52.4	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 10000	42.9	54.0	54.2	54.5	54.8	54.9	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 9000	43.0	54.2	54.4	54.8	55.0	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 8000	46.0	58.4	58.7	59.0	59.2	59.3	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 7000	46.9	60.5	60.7	61.3	61.5	61.6	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 6000	48.4	62.6	62.8	63.4	63.6	63.7	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ 5000	50.2	65.3	65.5	66.1	66.8	66.9	67.0	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 4500	50.8	66.1	66.3	67.0	67.6	67.7	67.9	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 4000	51.9	68.1	68.4	69.0	69.7	69.8	69.9	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 3500	52.6	69.0	69.4	70.2	70.9	71.0	71.1	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 3000	54.9	71.6	72.0	72.8	73.5	73.6	73.7	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 2500	55.7	73.5	74.1	75.0	75.9	76.0	76.1	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 2000	57.1	75.2	76.3	77.3	78.4	78.5	78.6	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 1800	57.4	75.5	76.6	77.6	78.7	78.8	78.9	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	58.0	76.6	77.8	78.9	80.0	80.1	30.2	80.5	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1200	59.2	78.2	79.4	80.6	82.1	82.4	82.7	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1000	59.4	78.7	79.9	81.1	82.6	82.8	83.1	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 900	59.5	78.8	80.1	81.4	82.9	83.1	83.4	83.9	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 800	59.5	79.1	80.5	81.8	83.5	84.1	84.5	85.1	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 700	59.5	79.2	80.7	82.1	84.2	84.7	85.2	85.7	86.4	86.6	86.6	86.6	86.7	86.7	86.7	86.7
≥ 600	59.5	79.9	81.5	83.2	85.8	86.5	87.2	87.8	88.4	88.6	88.6	88.6	88.7	88.7	88.7	88.7
≥ 500	59.5	80.0	81.8	83.9	86.8	87.8	89.1	90.2	90.8	91.0	91.0	91.0	91.1	91.1	91.1	91.1
≥ 400	59.5	80.2	82.0	84.6	88.2	89.2	90.9	92.4	93.2	93.5	93.5	93.5	93.8	93.8	93.8	93.8
≥ 300	59.5	80.2	82.1	84.8	88.9	89.9	92.1	93.8	94.9	95.6	95.7	95.8	96.2	96.2	96.2	96.2
≥ 200	59.5	80.2	82.1	84.8	88.9	89.9	92.2	94.0	95.2	96.8	96.9	97.0	98.2	98.2	98.2	98.2
≥ 100	59.5	80.2	82.1	84.8	88.9	89.9	92.2	94.2	95.5	97.2	97.4	97.6	98.9	98.9	99.6	99.7
≥ 0	59.5	80.2	82.1	84.8	88.9	89.9	92.2	94.2	95.5	97.2	97.4	97.6	98.9	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible] 68	OTIS AFB MA	68-70,73,75-80	DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

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

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	44.[illegible]	47.2	47.2	47.2	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 20000	46.1	49.6	49.7	49.7	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 18000	46.2	49.7	49.8	49.8	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 16000	46.2	49.7	49.8	49.8	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 14000	48.8	52.9	53.0	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 12000	50.0	54.4	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	54.7
≥ 10000	51.9	57.0	57.1	57.1	57.2	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 9000	52.0	57.1	57.2	57.2	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 8000	54.3	61.2	61.3	61.3	61.5	61.5	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 7000	55.4	63.1	63.2	63.2	63.4	63.7	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
≥ 6000	56.3	64.5	64.6	64.6	64.8	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 5000	58.1	66.9	67.1	67.1	67.3	67.5	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 4500	58.5	67.5	67.7	67.7	68.0	68.3	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.6	68.8	68.8
≥ 4000	60.1	69.7	70.0	70.0	70.3	70.6	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3500	61.2	71.1	71.4	71.5	71.8	72.2	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 3000	63.0	73.4	73.9	74.0	74.3	74.6	75.1	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2500	63.4	74.3	74.8	74.9	75.7	76.5	76.9	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 2000	65.1	76.5	77.2	77.3	78.2	78.9	79.5	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 1800	65.5	76.9	77.6	77.7	78.6	79.4	79.9	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1500	66.2	78.2	78.9	79.1	80.0	80.8	81.3	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1200	67.2	79.4	80.1	80.3	81.2	82.2	82.7	83.0	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1000	68.0	80.2	81.1	81.4	82.4	83.3	83.9	84.2	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 900	68.0	80.4	81.5	81.9	83.0	84.2	84.8	85.4	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 800	68.0	80.6	81.8	82.4	83.5	84.7	85.4	85.9	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 700	68.0	81.1	82.3	82.8	84.4	85.8	86.5	87.0	87.3	88.2	88.2	88.2	88.3	88.4	88.4	88.4
≥ 600	68.1	81.3	82.7	83.3	85.4	86.9	87.7	88.6	89.0	89.9	90.0	90.0	90.1	90.2	90.2	90.2
≥ 500	68.1	81.3	82.9	83.7	86.0	87.6	89.0	90.1	90.6	91.6	91.7	91.7	91.9	92.0	92.0	92.0
≥ 400	68.1	81.3	83.1	84.1	87.0	88.7	90.6	91.9	93.0	94.1	94.3	94.3	94.5	94.6	94.6	94.7
≥ 300	68.1	81.3	83.2	84.3	87.5	89.6	91.6	93.8	94.9	96.1	96.5	96.5	96.7	96.8	96.8	96.9
≥ 200	68.1	81.3	83.2	84.3	87.5	89.6	91.8	94.2	95.8	97.8	98.3	98.3	98.6	98.7	98.9	99.0
≥ 100	68.1	81.3	83.2	84.3	87.5	89.6	91.8	94.3	95.9	98.1	98.7	98.7	99.1	99.2	99.7	99.9
≥ 0	68.1	81.3	83.2	84.3	87.5	89.6	91.8	94.3	95.9	98.1	98.7	98.7	99.1	99.2	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 935

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

[illegible] 65	OTIS AFB MA	68-70,73,75-80	DEC
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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	43.3	46.7	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
≥ 20000	47.3	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 18000	47.5	50.8	51.1	51.1	51.1	51.1	51.	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 16000	47.6	50.9	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 14000	50.3	53.8	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
≥ 12000	51.4	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 10000	54.3	58.6	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 9000	54.4	58.7	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 8000	56.9	62.7	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	57.3	64.1	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 6000	57.7	64.6	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 5000	58.5	65.6	66.0	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
≥ 4500	58.7	66.1	66.7	66.7	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 4000	59.9	68.0	68.6	68.6	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 3500	60.9	69.1	69.8	69.8	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 3000	64.1	72.5	73.3	73.3	73.5	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 2500	66.0	74.6	75.5	75.7	75.9	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2000	67.7	77.0	78.1	78.3	78.8	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1800	68.0	77.3	78.4	78.6	79.1	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1500	68.6	78.4	79.5	79.8	80.4	80.5	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 1200	69.5	79.7	80.8	81.4	82.3	82.5	82.7	83.1	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1000	69.6	80.1	81.3	82.0	83.0	83.2	83.4	84.0	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4
≥ 900	69.6	80.3	81.5	82.3	83.5	83.8	84.0	84.5	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9
≥ 800	69.6	80.5	82.0	82.9	84.3	84.6	84.9	85.7	85.9	86.0	86.2	86.2	86.2	86.2	86.2	86.2
≥ 700	69.6	80.8	82.5	83.4	85.3	85.6	86.1	87.2	87.5	87.8	88.3	88.3	88.3	88.3	88.3	88.3
≥ 600	69.6	80.9	82.8	84.0	86.1	86.7	87.3	88.4	89.0	89.5	90.1	90.1	90.2	90.2	90.2	90.2
≥ 500	69.7	81.1	83.3	84.7	87.3	88.0	88.8	90.1	91.0	91.4	92.2	92.2	92.5	92.6	92.6	92.6
≥ 400	69.7	81.4	83.7	85.4	88.3	89.1	90.4	91.8	92.8	93.4	94.2	94.2	94.5	94.6	94.6	94.6
≥ 300	69.8	81.6	84.0	85.8	88.9	89.8	91.5	93.3	94.3	95.4	96.1	96.1	96.6	96.7	96.8	96.8
≥ 200	69.8	81.7	84.1	86.0	89.1	90.0	91.8	94.0	94.9	96.0	97.1	97.2	98.0	98.1	98.2	98.2
≥ 100	69.8	81.7	84.1	86.0	89.1	90.0	91.8	94.1	95.1	96.1	97.4	97.5	98.7	98.8	99.5	99.5
≥ 0	69.8	81.7	84.1	86.0	89.1	90.0	91.8	94.1	95.1	96.1	97.5	97.6	98.8	98.9	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
725063	OTIS AFB MA	68-70,73,75-80	DEC

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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	39.2	45.2	45.3	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 20000	42.1	48.5	48.8	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 18000	42.1	48.7	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 16000	42.1	48.7	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 14000	44.7	51.6	51.8	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 12000	45.5	52.7	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 10000	48.0	56.2	56.5	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 9000	49.0	56.4	56.7	56.8	56.8	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 8000	50.2	60.1	60.4	60.7	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 7000	50.5	60.9	61.2	61.6	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 6000	51.2	62.1	62.5	63.1	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 5000	52.3	63.8	64.3	64.8	65.0	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4500	53.	64.6	65.0	65.6	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 4000	54.7	67.3	67.7	68.2	68.5	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 3500	55.5	68.4	68.8	69.3	69.6	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 3000	57.7	71.5	72.0	72.7	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 2500	60.6	75.2	76.0	76.6	77.1	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 2000	62.3	77.8	78.6	79.2	79.9	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 1800	62.3	77.8	78.6	79.2	80.0	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 1500	62.6	79.0	79.9	80.5	81.4	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1200	62.6	80.1	81.4	82.0	82.9	83.4	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 1000	62.9	80.9	82.5	83.1	84.3	84.9	85.5	85.6	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0
≥ 900	62.9	81.4	83.1	83.7	84.9	85.6	86.1	86.2	86.5	86.7	87.0	87.0	87.0	87.0	87.0	87.0
≥ 800	62.9	81.7	83.6	84.4	85.6	86.2	86.8	87.0	87.3	87.4	87.8	87.8	87.8	87.8	87.8	87.8
≥ 700	63.0	81.8	83.9	84.7	85.9	86.8	87.5	87.9	88.6	88.8	89.5	89.5	89.5	89.5	89.5	89.5
≥ 600	63.0	81.8	84.2	85.1	86.7	87.5	88.3	88.9	89.6	89.8	90.4	90.4	90.4	90.4	90.4	90.4
≥ 500	63.0	81.8	84.3	85.3	87.3	88.4	89.3	90.1	90.9	91.1	91.7	91.7	91.7	91.7	91.7	91.7
≥ 400	63.0	81.9	84.5	85.7	87.8	89.1	90.7	92.0	92.8	93.0	93.6	93.6	93.6	93.6	93.6	93.6
≥ 300	63.0	82.0	84.6	85.8	88.3	89.9	91.7	93.3	94.3	94.7	95.4	95.5	95.6	95.6	95.7	95.7
≥ 200	63.0	82.0	84.6	85.8	88.5	90.1	91.9	94.0	94.9	95.6	96.4	96.6	97.1	97.1	97.2	97.2
≥ 100	63.0	82.0	84.6	85.8	88.5	90.1	91.9	94.1	95.2	95.8	97.2	97.3	98.2	98.3	98.8	99.1
≥ 0	63.0	82.0	84.6	85.8	88.5	90.1	91.9	94.1	95.2	95.8	97.2	97.3	98.2	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725068	OTIS AFB MA	68-70,73,75-80	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	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	35.9	51.0	51.2	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
≥ 20000	37.[illegible]	52.5	52.7	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 18000	37.1	52.6	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 16000	37.1	52.6	52.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 14000	38.6	54.3	54.5	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 12000	39.5	55.5	55.7	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 10000	40.7	58.4	58.7	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 9000	40.7	58.7	58.9	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 8000	43.1	62.3	62.6	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 7000	43.1	62.7	62.9	63.1	63.5	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 6000	44.5	64.7	64.9	65.2	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 5000	45.9	66.8	67.0	67.2	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	46.2	68.0	68.2	68.4	68.8	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 4000	47.4	70.6	70.8	71.0	71.5	71.6	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 3500	47.9	72.3	72.5	72.7	73.3	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 3000	48.7	74.4	74.8	75.0	75.5	75.6	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 2500	50.3	78.0	78.5	78.8	79.3	79.4	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2000	51.7	80.3	80.7	81.3	82.3	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 1800	51.7	80.3	80.8	81.4	82.4	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1500	52.4	82.0	82.7	83.3	84.5	84.6	84.8	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1200	52.4	82.5	83.3	84.0	85.2	85.4	85.7	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 1000	52.6	82.8	83.8	84.4	85.7	86.0	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 900	52.6	82.9	83.9	84.5	85.9	86.3	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 800	52.6	83.0	84.2	85.1	86.5	86.8	87.3	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 700	52.6	83.0	84.3	85.2	86.6	86.9	87.4	87.8	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 600	52.7	83.4	85.0	85.8	87.6	88.0	88.5	89.0	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 500	52.8	83.7	85.3	86.7	88.4	89.0	89.8	90.5	91.0	91.3	91.5	91.5	91.5	91.5	91.5	91.5
≥ 400	52.8	83.8	85.4	86.9	89.0	89.6	90.9	92.2	93.0	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 300	52.8	83.8	85.4	87.0	89.3	90.2	92.0	93.4	94.3	94.7	94.8	94.8	94.9	94.9	95.0	95.0
≥ 200	53.0	84.0	85.6	87.3	89.6	90.6	92.7	94.5	95.9	97.2	97.5	97.5	97.6	97.6	97.7	97.7
≥ 100	53.0	84.0	85.6	87.3	89.6	90.6	92.7	94.5	96.0	97.8	98.5	98.5	98.8	99.0	99.7	99.8
≥ 0	53.0	84.0	85.6	87.3	89.6	90.6	92.7	94.5	96.0	97.8	98.5	98.5	98.8	99.0	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 924

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725 68	OTIS AFB MA	68-70,73,75-80	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	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	35.3	51.1	51.8	52.1	52.1	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5
≥ 20000	36.1	52.3	53.0	53.3	53.3	53.3	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.8
≥ 18000	36.1	52.3	53.0	53.3	53.3	53.3	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.8
≥ 16000	36.1	52.3	53.0	53.3	53.3	53.3	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.8
≥ 14000	37.2	53.5	54.2	54.5	54.5	54.5	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	55.0
≥ 12000	37.6	53.9	54.7	54.9	54.9	54.9	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3	55.4
≥ 10000	39.1	56.2	57.0	57.2	57.3	57.3	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.8
≥ 9000	39.1	56.2	57.0	57.2	57.3	57.3	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.8
≥ 8000	40.9	59.8	60.5	60.8	60.9	60.9	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.4
≥ 7000	40.9	60.7	61.4	61.6	61.7	61.7	61.8	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.4	62.5
≥ 6000	42.3	63.5	64.3	64.6	64.7	64.7	64.8	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.3	65.4
≥ 5000	42.5	65.2	66.1	66.3	66.4	66.4	66.5	66.7	66.8	66.8	66.8	66.8	66.8	66.8	67.1	67.2
≥ 4500	42.6	65.8	66.6	66.8	67.0	67.0	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.7
≥ 4000	44.1	67.9	68.8	69.2	69.3	69.3	69.5	69.7	69.8	69.8	69.8	69.8	69.8	69.8	70.0	70.1
≥ 3500	45.0	69.5	70.3	70.8	70.9	70.9	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.5	71.6
≥ 3000	46.0	72.4	73.3	73.8	74.0	74.0	74.1	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.7	74.8
≥ 2500	47.2	74.3	75.2	75.8	76.1	76.1	76.2	76.4	76.5	76.5	76.5	76.5	76.5	76.5	76.7	76.8
≥ 2000	48.9	77.7	78.6	79.2	79.6	79.6	79.7	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.3	80.4
≥ 1800	48.9	78.2	79.0	79.7	80.0	80.0	80.1	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.8	80.9
≥ 1500	49.6	79.5	80.3	81.1	81.4	81.4	81.5	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.3	82.4
≥ 1200	50.0	80.4	81.4	82.3	82.7	82.9	83.5	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.3	84.5
≥ 1000	50.0	80.8	81.7	82.7	83.3	83.5	84.2	84.6	84.8	84.9	84.9	84.9	84.9	84.9	85.1	85.2
≥ 900	50.2	81.2	82.4	83.4	84.0	84.2	85.1	85.5	85.8	85.9	85.9	85.9	85.9	85.9	86.1	86.2
≥ 800	50.2	81.3	82.6	83.6	84.3	84.6	85.8	86.2	86.4	86.5	86.5	86.5	86.5	86.5	86.7	86.8
≥ 700	50.2	81.7	83.4	84.6	85.7	86.0	87.3	87.7	88.0	88.3	88.3	88.3	88.3	88.3	88.5	88.6
≥ 600	50.3	81.8	83.7	84.9	86.0	86.5	87.9	88.6	88.9	89.1	89.1	89.1	89.1	89.1	89.3	89.5
≥ 500	50.4	82.1	84.1	85.4	87.0	87.5	89.1	90.0	90.4	90.8	90.8	90.8	90.8	90.8	91.0	91.1
≥ 400	50.5	82.3	84.3	86.2	87.7	88.6	90.5	91.6	92.1	92.6	92.7	92.7	92.7	92.7	92.9	93.0
≥ 300	50.5	82.3	84.5	86.3	88.3	89.3	91.8	93.4	93.9	94.8	94.9	94.9	95.1	95.1	95.3	95.4
≥ 200	50.5	82.4	84.6	86.4	88.5	89.6	92.4	94.6	95.2	96.2	96.3	96.4	96.6	96.7	97.0	97.1
≥ 100	50.5	82.4	84.6	86.4	88.5	89.6	92.5	94.8	95.8	97.0	97.2	97.3	98.3	98.4	99.0	99.5
≥ 0	50.5	82.4	84.6	86.4	88.5	89.6	92.5	94.8	95.8	97.0	97.2	97.3	98.3	98.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 920

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION	STATION NAME	YEARS	MONTH
[illegible] 68	OTIS AFB MA	68-70,73,75-80	DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.): ALL

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ⅝	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	39.5	49.0	49.2	49.4	49.5	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.8
≥ 20000	41.1	51.0	51.3	51.4	51.6	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 18000	41.2	51.1	51.3	51.5	51.6	51.7	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9
≥ 16000	41.2	51.1	51.3	51.5	51.7	51.7	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 14000	42.9	52.9	53.2	53.3	53.5	53.5	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8
≥ 12000	43.5	53.9	54.1	54.3	54.5	54.5	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 10000	45.2	56.5	56.7	56.9	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4
≥ 9000	45.3	56.6	56.9	57.1	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6
≥ 8000	47.2	60.0	60.3	60.5	60.7	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 7000	47.8	61.4	61.7	61.9	62.2	62.2	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.6
≥ 6000	49.1	63.4	63.7	64.0	64.3	64.3	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7
≥ 5000	50.4	65.3	65.8	66.0	66.3	66.4	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8
≥ 4500	50.8	66.0	66.5	66.7	67.1	67.2	67.3	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6
≥ 4000	51.7	68.1	68.5	68.9	69.2	69.3	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.8
≥ 3500	52.7	69.3	69.8	70.2	70.6	70.7	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2
≥ 3000	54.5	72.1	72.7	73.2	73.6	73.8	74.0	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3
≥ 2500	55.9	74.3	75.0	75.5	76.1	76.3	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9
≥ 2000	57.6	76.9	77.7	78.4	79.2	79.4	79.7	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	57.8	77.1	78.0	78.6	79.5	79.7	80.0	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1500	58.3	78.3	79.3	80.0	80.9	81.1	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1200	58.8	79.4	80.4	81.3	82.3	82.7	83.2	83.5	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1000	59.1	79.8	81.0	82.0	83.2	83.5	84.1	84.5	84.6	84.7	84.7	84.7	84.7	84.7	84.8	84.8
≥ 900	59.1	80.1	81.4	82.4	83.7	84.1	84.7	85.1	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5
≥ 800	59.1	80.3	81.8	82.9	84.3	84.8	85.5	86.0	86.3	86.4	86.5	86.5	86.5	86.5	86.5	86.6
≥ 700	59.1	80.6	82.2	83.4	85.1	85.6	86.4	87.0	87.4	87.7	87.8	87.8	87.9	87.9	87.9	88.0
≥ 600	59.2	80.8	82.6	84.0	85.9	86.6	87.5	88.3	88.8	89.1	89.3	89.3	89.3	89.4	89.4	89.4
≥ 500	59.2	81.0	83.0	84.6	86.9	87.7	89.0	90.1	90.7	91.1	91.3	91.3	91.4	91.5	91.5	91.5
≥ 400	59.2	81.2	83.3	85.2	87.9	88.8	90.7	92.2	93.0	93.5	93.8	93.8	93.9	93.9	94.0	94.0
≥ 300	59.2	81.3	83.4	85.3	88.4	89.6	91.9	93.8	94.8	95.5	95.9	95.9	96.1	96.1	96.2	96.2
≥ 200	59.3	81.3	83.5	85.4	88.6	89.7	92.	94.5	95.6	96.8	97.3	97.3	97.8	97.9	98.0	98.0
≥ 100	59.3	81.3	83.5	85.4	88.6	89.7	92.2	94.6	95.8	97.2	97.9	98.0	98.8	98.9	99.5	99.6
≥ 0	59.3	81.3	83.5	85.4	88.6	89.7	92.2	94.6	95.8	97.2	97.9	98.0	98.9	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7212

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

62 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-81 — YEARS
ALL — MONTH
ALL — HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥⅝	≥½	≥5/16	≥¼	≥0
NO CEILING	34.4	47.1	48.2	49.3	50.3	50.6	51.1	51.3	51.4	51.5	51.5	51.5	51.6	51.6	51.6	51.7
≥ 20000	35.5	48.8	50.0	51.1	52.2	52.5	53.0	53.2	53.3	53.4	53.5	53.5	53.5	53.5	53.5	53.6
≥ 18000	35.6	48.8	50.1	51.2	52.3	52.6	53.0	53.3	53.4	53.5	53.5	53.5	53.6	53.6	53.6	53.7
≥ 16000	35.6	48.9	50.1	51.2	52.3	52.6	53.1	53.3	53.4	53.5	53.6	53.6	53.6	53.6	53.6	53.7
≥ 14000	36.9	50.5	51.8	52.9	54.1	54.4	54.9	55.1	55.3	55.3	55.4	55.4	55.4	55.4	55.5	55.6
≥ 12000	37.5	51.5	52.8	54.0	55.1	55.4	56.0	56.2	56.4	56.4	56.5	56.5	56.5	56.5	56.6	56.7
≥ 10000	39.5	54.5	56.0	57.3	58.6	58.9	59.5	59.8	59.9	60.0	60.0	60.0	60.1	60.1	60.1	60.2
≥ 9000	39.6	54.8	56.3	57.6	58.9	59.2	59.8	60.1	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.5
≥ 8000	41.2	57.3	58.9	60.3	61.7	62.0	62.6	62.9	63.1	63.2	63.2	63.2	63.3	63.3	63.3	63.4
≥ 7000	41.7	58.3	60.0	61.4	62.8	63.1	63.8	64.1	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.5
≥ 6000	42.7	59.9	61.6	63.0	64.5	64.8	65.5	65.8	65.9	66.0	66.1	66.1	66.1	66.1	66.2	66.3
≥ 5000	44.1	61.9	63.7	65.2	66.8	67.2	67.8	68.1	68.3	68.4	68.4	68.4	68.5	68.5	68.5	68.6
≥ 4500	44.4	62.5	64.4	65.9	67.5	67.8	68.5	68.9	69.0	69.1	69.2	69.2	69.2	69.2	69.3	69.4
≥ 4000	45.5	64.1	66.1	67.7	69.3	69.7	70.4	70.7	70.9	71.0	71.1	71.1	71.1	71.1	71.2	71.2
≥ 3500	45.9	65.0	66.9	68.5	70.1	70.6	71.3	71.6	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.1
≥ 3000	47.1	66.7	68.8	70.4	72.1	72.6	73.3	73.7	73.8	74.0	74.0	74.0	74.1	74.1	74.1	74.2
≥ 2500	47.8	68.0	70.2	71.8	73.6	74.1	74.9	75.2	75.4	75.5	75.6	75.6	75.6	75.6	75.7	75.9
≥ 2000	48.7	69.7	72.0	73.7	75.6	76.1	77.0	77.4	77.5	77.7	77.7	77.7	77.8	77.8	77.8	77.9
≥ 1800	48.8	69.9	72.2	74.0	75.9	76.4	77.3	77.7	77.9	78.0	78.1	78.1	78.1	78.1	78.2	78.3
≥ 1500	49.3	70.9	73.3	75.2	77.2	77.7	78.6	79.1	79.2	79.4	79.5	79.5	79.5	79.5	79.6	79.6
≥ 1200	49.7	71.9	74.4	76.3	78.5	79.0	80.0	80.5	80.7	80.8	80.9	80.9	80.9	81.0	81.0	81.1
≥ 1000	49.9	72.5	75.2	77.2	79.5	80.1	81.1	81.6	81.9	82.0	82.1	82.1	82.2	82.2	82.2	82.3
≥ 900	50.1	72.9	75.6	77.7	80.1	80.7	81.8	82.3	82.6	82.7	82.8	82.8	82.9	82.9	82.9	83.0
≥ 800	50.2	73.4	76.2	78.4	80.9	81.6	82.8	83.4	83.6	83.8	83.9	83.9	84.0	84.0	84.1	84.1
≥ 700	50.3	73.8	76.8	79.2	81.8	82.7	84.0	84.6	84.9	85.1	85.3	85.3	85.3	85.3	85.4	85.5
≥ 600	50.3	74.2	77.4	79.9	82.8	83.7	85.2	86.0	86.3	86.6	86.7	86.7	86.8	86.8	86.9	86.9
≥ 500	50.4	74.6	78.0	80.7	84.0	85.1	87.0	88.0	88.4	88.8	89.0	89.0	89.1	89.1	89.1	89.2
≥ 400	50.4	74.8	78.4	81.4	85.0	86.3	88.5	89.9	90.5	91.1	91.3	91.4	91.5	91.5	91.5	91.6
≥ 300	50.4	74.9	78.5	81.6	85.6	87.0	89.7	91.5	92.3	93.2	93.6	93.6	93.8	93.8	93.9	94.0
≥ 200	50.4	75.0	78.6	81.7	85.8	87.3	90.2	92.3	93.2	94.6	95.3	95.4	95.9	96.0	96.1	96.2
≥ 100	50.4	75.0	78.6	81.7	85.9	87.3	90.2	92.4	93.4	95.1	96.1	96.3	97.3	97.5	98.3	98.8
≥ 0	50.4	75.0	78.6	81.7	85.9	87.3	90.2	92.4	93.4	95.1	96.2	96.3	97.4	97.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 67122

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

TOTAL SKY COVER

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

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

NOTE: PERCENTAGES IN OTHER TENTHS CLASSES SHOULD BE DISREGARDED, BECAUSE THEY ARE NOT STATISTICALLY SIGNIFICANT.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

725069	OTIS AFB MA	68-70,73,76-81	JAN
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	00-02	35.3			15.3						9.5	39.9	5.3	884
	03-05	37.4			13.4						9.9	39.3	5.2	882
	06-08	27.5			17.3						13.9	41.3	5.9	886
	09-11	25.6			17.5						15.7	41.2	6.1	898
	12-14	21.2			21.4						16.6	40.8	6.2	900
	15-17	19.0			23.9						15.7	41.4	6.3	905
	18-20	28.9			19.2						11.1	40.7	5.7	906
	21-23	31.3			16.3						11.9	40.5	5.6	907
TOTALS		28.3			18.0						13.0	40.6	5.8	7168

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

AD-A113 716   AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC   F/G 4/2
OTIS AFB, FALMOUTH, MASSACHUSETTS. REVISED UNIFORM SUMMARY OF S--ETC(U)
FEB 82
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3 of 5

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

725068	OTIS AFB MA	68-70,73,76-81	FEB
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
FEB	00-02	42.2			12.4						7.6	37.7	4.8	798
	03-05	40.5			12.0						8.0	39.4	5.0	797
	06-08	27.9			16.6						14.1	41.4	5.9	817
	09-11	18.5			24.2						17.8	39.5	6.3	827
	12-14	18.4			22.7						19.6	39.3	6.4	820
	15-17	21.6			22.4						15.1	40.9	6.1	821
	18-20	31.8			17.7						10.9	39.7	5.5	827
	21-23	39.1			15.0						8.5	37.4	5.0	821
TOTALS		30.0			17.9						12.7	39.4	5.6	6528

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

725068 OTIS AFB MA — STATION / STATION NAME

68-70,73,76-81 — PERIOD

MAR — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAR	00-02	32.1			13.2						9.2	45.4	5.8	887
	03-05	30.6			12.0						11.6	45.8	6.0	880
	06-08	20.7			14.7						15.2	49.3	6.7	892
	09-11	16.5			18.7						17.9	46.8	6.9	903
	12-14	15.5			21.0						19.5	44.0	6.8	906
	15-17	14.6			20.6						19.1	45.7	6.9	908
	18-20	19.9			20.6						14.8	44.7	6.4	908
	21-23	30.1			14.8						10.8	44.3	5.8	911
TOTALS		22.5			17.0						14.8	45.8	6.4	7195

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

725068	OTIS AFB MA	68-70,73,76-81	APR
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
APR	00-02	37.9			13.1						10.8	38.2	5.2	878
	03-05	34.8			14.6						12.6	37.9	5.4	881
	06-08	26.2			19.0						15.8	39.0	5.9	862
	09-11	18.9			26.4						15.9	38.7	6.1	878
	12-14	18.1			25.8						17.3	38.9	6.2	880
	15-17	16.4			25.5						18.9	39.2	6.4	874
	18-20	22.0			22.7						14.3	41.0	6.1	888
	21-23	36.7			15.0						12.4	35.9	5.2	882
TOTALS		26.4			20.3						14.8	38.6	5.8	7023

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

725068	OTIS AFB MA	68-70,73,76-81	MAY
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
MAY	00-02	27.6			14.7						11.9	45.9	6.1	907
	03-05	21.5			15.9						12.8	49.8	6.6	912
	06-08	17.8			17.7						17.0	47.5	6.8	916
	09-11	14.2			22.1						21.9	41.8	6.8	918
	12-14	12.1			23.2						25.6	39.1	6.9	901
	15-17	12.9			26.0						23.0	38.1	6.7	915
	18-20	14.1			22.4						21.8	41.8	6.8	910
	21-23	21.7			18.8						14.2	45.3	6.4	906
TOTALS		17.7			20.1						18.5	43.7	6.6	7285

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

725068	OTIS AFB MA	68-70,73,75-80	JUN
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUN	00-02	26.0			13.9						12.1	48.0	6.3	784
	03-05	18.8			13.5						13.7	54.0	7.0	839
	06-08	15.6			19.8						17.7	46.9	6.9	859
	09-11	15.3			24.2						22.6	38.0	6.6	859
	12-14	12.0			28.8						22.9	36.3	6.6	855
	15-17	10.1			28.6						27.4	33.9	6.7	850
	18-20	8.8			26.8						23.5	40.9	7.0	873
	21-23	18.6			22.4						14.5	44.5	6.4	854
TOTALS		15.7			22.3						19.3	42.8	6.7	6773

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

725068 OTIS AFB MA 68-70,73,75-80 JUL
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JUL	00-02	24.8			15.4						14.3	45.6	6.3	840
	03-05	15.5			19.2						15.1	50.2	7.0	850
	06-08	13.0			20.4						20.1	46.5	7.1	867
	09-11	13.0			26.5						22.2	38.3	6.6	861
	12-14	7.4			33.4						25.7	33.4	6.7	870
	15-17	9.7			33.8						25.5	31.1	6.4	879
	18-20	8.6			28.8						24.5	38.1	6.9	873
	21-23	17.4			19.7						19.1	43.8	6.7	832
TOTALS		13.7			24.7						20.8	40.9	6.7	6872

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

725068	OTIS AFB MA	68-70,73,75-80	AUG
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
AUG	00-02	24.3			21.4						12.8	41.5	5.9	814
	03-05	21.1			19.6						15.9	43.4	6.4	828
	06-08	14.1			22.1						21.6	42.2	6.8	867
	09-11	12.3			30.4						22.9	34.4	6.4	863
	12-14	9.2			32.8						26.3	31.8	6.5	872
	15-17	8.6			29.6						29.3	32.5	6.8	869
	18-20	9.4			29.2						25.1	36.3	6.8	870
	21-23	20.7			27.2						15.0	37.1	5.9	852
TOTALS		15.0			26.5						21.1	37.4	6.4	6835

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

725068 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — PERIOD
SEP — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
SEP	00-02	35.4			17.1						10.7	36.7	5.2	830
	03-05	29.2			22.0						12.6	36.2	5.4	846
	06-08	18.3			28.4						18.7	34.6	6.0	863
	09-11	15.7			29.8						21.9	32.7	6.1	869
	12-14	12.2			33.8						25.0	29.0	6.2	860
	15-17	15.1			29.8						24.1	31.0	6.2	872
	18-20	19.2			28.9						22.5	29.4	5.8	871
	21-23	31.8			22.8						15.2	30.2	5.1	861
TOTALS		22.1			26.6						18.8	32.5	5.8	6872

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

725068 OTIS AFB MA 68-70,73,75-80 OCT
STATION STATION NAME PERIOD MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
OCT	00-02	33.4			18.8						11.1	36.7	5.2	866
	03-05	32.8			16.5						13.2	37.4	5.4	871
	06-08	19.5			25.1						18.5	36.9	6.1	888
	09-11	17.7			28.2						21.7	32.4	6.0	908
	12-14	16.0			29.5						20.5	34.0	6.1	896
	15-17	17.0			28.8						17.7	36.5	6.1	904
	18-20	23.9			24.9						14.9	36.2	5.7	898
	21-23	33.1			17.5						14.6	34.7	5.3	884
TOTALS		24.2			23.7						16.5	35.6	5.7	7115

L ?AL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SKY COVER

725069 OTIS AFB MA — 68-70,73,75-80 — NOV
STATION — STATION NAME — PERIOD — MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
NOV	00-02	31.9			11.3						12.4	44.4	5.9	777
	03-05	32.2			12.7						9.9	45.3	5.8	771
	06-08	25.8			13.6						16.8	43.8	6.5	867
	09-11	16.9			20.0						17.8	45.3	6.7	865
	12-14	13.9			23.7						19.3	43.2	6.8	857
	15-17	13.8			22.0						21.1	43.1	6.9	874
	18-20	24.1			16.5						15.2	44.2	6.3	868
	21-23	28.8			14.0						12.3	44.9	6.0	867
TOTALS		22.8			17.4						15.6	44.3	6.4	6746

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

725068	OTIS AFB MA	68-70,73,75-80	DEC
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L S T)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
DEC	00-02	34.7			15.8						6.5	43.1	5.4	787
	03-05	37.9			12.7						8.2	41.3	5.2	782
	06-08	23.3			19.8						15.4	41.6	6.1	890
	09-11	15.8			24.4						18.1	41.7	6.5	894
	12-14	16.3			22.1						17.9	43.7	6.6	914
	15-17	17.5			22.1						16.0	44.4	6.5	909
	18-20	29.0			17.8						11.4	41.8	5.7	900
	21-23	32.9			17.1						9.0	41.0	5.4	893
TOTALS		25.9			19.0						12.8	42.3	5.9	6969

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

[illegible]	OTIS AFB MA	68-70,73,75-81	ALL
STATION	STATION NAME	PERIOD	MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS
		0	1	2	3	4	5	6	7	8	9	10		
JAN	ALL	28.3			18.0						13.0	40.6	5.8	7168
FEB		30.0			17.9						12.7	39.4	5.6	6528
MAR		22.5			17.0						14.8	45.8	6.4	7195
APR		26.4			20.3						14.8	38.6	5.8	7023
MAY		17.7			20.1						18.5	43.7	6.6	7285
JUN		15.7			22.3						19.3	42.8	6.7	6773
JUL		13.7			24.7						20.8	40.9	6.7	6872
AUG		15.0			26.5						21.1	37.4	6.4	6835
SEP		22.1			26.6						18.8	32.5	5.8	6872
OCT		24.2			23.7						16.5	35.6	5.7	7115
NOV		22.8			17.4						15.6	44.3	6.4	6746
DEC		25.9			19.0						12.8	42.3	5.9	6969
TOTALS		22.0			21.1						16.6	40.3	6.2	83381

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

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

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

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

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

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

   a. Extreme maximum temperature
   b. Extreme minimum temperature

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

   (1) * indicates the extreme was selected from a month with one or more days missing.

   (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

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

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

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

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

   b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2), sums of values (ΣX), means ($\bar{X}$), and standard deviations (σx). The number of observations used in the computation for each element is also shown.

   c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

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

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

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

   a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC
[illegible]   OTIS AFB MA   49-74
STATION   STATION NAME   YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN.	JUL	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
≥ 95						.1	.3	.4					.1
≥ 90						1.1	3.0	1.3	.1				.5
≥ 85					.4	4.5	12.0	8.0	2.7				2.3
≥ 80					2.1	16.5	41.2	33.9	10.3	.6			8.7
≥ 75				.8	8.4	42.1	77.0	68.6	31.6	4.5			19.3
≥ 70				3.0	20.8	69.7	94.7	91.6	57.1	17.5	.9		29.4
≥ 65			.6	10.1	43.8	87.5	99.4	99.0	78.5	40.0	4.1	.3	38.4
≥ 60	.1		2.5	21.6	68.7	96.7	100.0	99.9	94.5	63.0	16.4	3.4	47.0
≥ 55	3.6	1.9	8.8	43.1	87.7	99.6		100.0	99.2	82.7	35.3	10.5	55.9
≥ 50	12.0	7.8	20.2	66.0	96.8	100.0			100.0	95.4	59.2	21.3	64.7
≥ 45	23.0	19.6	40.9	88.6	99.5					99.0	79.9	37.3	73.9
≥ 40	41.2	43.1	70.5	97.8	100.0					99.9	92.7	57.2	83.5
≥ 35	63.5	68.3	88.1	100.0						100.0	98.1	75.5	91.1
≥ 30	80.9	85.8	97.8								99.9	90.7	96.2
≥ 25	91.4	94.1	99.3								100.0	96.8	98.5
≥ 20	97.5	98.0	99.8									98.8	99.5
≥ 15	99.5	99.7	100.0									99.7	99.9
≥ 10	99.9	100.0										100.0	100.0
≥ 5	100.0												100.0
≥													
≥													
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≥													
≥													
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≥													
≥													
≥													
MEAN	37.6	37.8	43.4	53.6	63.3	72.9	78.4	77.0	70.7	62.1	51.4	41.5	57.5
S D	9.288	8.148	7.746	7.765	7.680	7.075	5.514	5.522	7.109	7.579	7.986	9.718	16.525
TOTAL OBS	806	734	806	779	806	750	775	775	750	775	750	775	9281

USAFETAC FORM JUL 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

[illegible] OTIS AFB MA 49-74
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG	SEP.	OCT	NOV.	DEC	ANNUAL
≥ 75								.1					.0
≥ 70						.5	9.8	10.1	2.3				1.9
≥ 65						7.1	43.2	35.0	12.7	.4			8.2
≥ 60					.7	32.4	78.8	68.0	29.5	4.4	.3		17.7
≥ 55				.1	8.9	65.2	96.6	90.2	54.1	17.5	2.1	.1	27.7
≥ 50	.2			2.3	30.3	89.5	99.6	98.7	76.5	37.5	7.6	1.2	36.7
≥ 45	.6	.1	2.1	12.5	62.7	98.0	100.0	99.9	91.5	56.5	19.1	3.4	45.3
≥ 40	3.5	1.6	6.7	38.8	89.3	100.0		100.0	98.3	75.7	38.4	10.8	55.1
≥ 35	11.4	9.5	23.7	69.8	98.1				100.0	91.4	59.2	24.0	65.5
≥ 33	17.4	15.7	37.7	81.0	99.4					94.3	67.7	30.3	70.2
≥ 30	26.7	28.7	56.0	92.8	99.9					98.5	79.7	42.1	77.0
≥ 25	45.2	49.3	79.2	98.8	100.0					99.9	93.6	58.7	85.3
≥ 20	65.1	67.4	90.8	99.9						100.0	98.1	76.6	91.5
≥ 15	77.2	79.6	96.5	100.0							99.9	88.6	95.1
≥ 10	88.5	90.2	99.0								100.0	95.9	97.8
≥ 5	95.9	96.6	99.6									98.6	99.2
≥ 0	98.8	99.2	100.0									99.4	99.8
≥ -5	99.8	99.9										100.0	100.0
≥ -10	99.9	100.0											100.0
≥ -15	100.0												100.0
≥													
≥													
≥													
≥													
≥													
≥													
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≥													
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≥													
≥													
≥													
≥													
MEAN	22.6	23.0	29.7	37.8	46.5	56.5	63.3	62.1	55.2	45.9	36.8	26.9	42.2
S D	10.173	9.459	7.244	5.873	5.719	5.580	4.739	5.633	7.453	8.325	8.460	10.169	16.148
TOTAL OBS.	806	734	806	779	806	750	775	775	750	775	750	775	9281

USAFETAC FORM JUL 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY TEMPERATURES

[illegible]68 OTIS AFB MA 49-74
STATION STATION NAME YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MEAN

	TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG	SEP.	OCT	NOV	DEC	ANNUAL
≥	80						.4	3.1	2.2	.5				.5
≥	75						4.4	22.1	18.3	5.2				4.1
≥	70					.9	20.4	63.5	51.4	18.4	.3			12.9
≥	65					7.1	53.2	92.6	84.8	41.6	7.7	.4		23.8
≥	60				2.1	24.3	80.5	99.6	98.3	68.8	25.2	2.1		33.2
≥	55	.2		.4	10.0	52.4	97.3	100.0	99.9	89.7	50.6	9.9	1.3	42.4
≥	50	.7	.3	3.8	27.1	82.1	99.9		100.0	98.8	72.3	24.0	6.5	51.1
≥	45	6.0	2.7	12.4	54.6	97.0	100.0			100.0	88.9	49.2	15.4	60.4
≥	40	16.6	12.8	33.9	85.9	100.0					98.2	73.5	29.4	70.7
≥	35	33.4	34.7	65.6	98.1						99.9	89.9	50.1	80.9
≥	30	55.8	58.2	86.2	99.9						100.0	97.9	68.6	88.9
≥	25	74.6	77.2	95.4	100.0							99.7	84.5	94.3
≥	20	86.6	89.9	98.9								100.0	94.6	97.5
≥	15	94.7	96.2	99.4									98.6	99.1
≥	10	98.8	99.2	100.0									99.5	99.8
≥	5	99.6	99.9										99.9	99.9
≥	0	100.0	100.0										100.0	100.0
≥														
≥														
≥														
≥														
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≥														
≥														
	MEAN	33.3	30.6	36.7	45.9	55.1	64.9	71.0	69.7	63.1	54.2	44.3	34.4	50.0
	S.D.	9.193	8.222	6.947	6.156	6.025	5.742	4.462	5.024	6.752	7.337	7.646	9.476	16.066
	TOTAL OBS.	806	734	806	779	806	750	775	775	750	775	750	775	9281

USAFETAC FORM JUL 64 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

[illegible]6[illegible] OTIS AFB MA 49-74
STATION STATION NAME YEARS

WHOLE DEGREES FAHRENHEIT

YEAR \ MONTH	JAN	FEB	MAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT	NOV	DEC	ALL MONTHS
49	50	59	68	69	80	92	96	99	82	82	62	62	99
50	55	51	65*	65	71	85	87	82	90	82	73	60	87
51	59	59	57	70	80	86	87	84	81	72	68	59	87
52	56	53	54	79	75	97	94	86	89	75	68	53	97
53	50	56	60	69	76	88	89	93	89	78	70	62	93
54	55	55	60	74	83	84	88	84	79	81	62	58	88
55	48	53	58	77	80	89	92	91	79	82	59	48	92
56	48	52	50	68	80	90	87	86	81	76	74	61	90
57	55	56	56	73	80	90	89	86	82	73	65	65	90
58	53	46	58	68	75	81	88	82	80	76	64	55	88
59	59	51	60	71	83	92	89	89	88	79	70	56	92
60	56	54	59	73	79	84	84	84	82	71	62	53	84
61	51	53	58	73	73	85	87	87	85	77	71	55	87
62	55	56	62	73	76	83	82	82	77	71	59	61	83
63	52	46	65	70	77	90	93	83	77	78	64	53	93
64	51	46	56	77	86	88	95	82	87	73	62	62	95
65	54	50	56	66	85	84	89	86	81	74	68	65	89
66	53	50	59	67	81	84	88	84	86	70	69	60	88
67	60	51	57	71	71	83	86	82	80	79	67	60	86
68	51	51	66	70	70	88	91	87	78	79	66	55	91
69	52	47	58	69	76	88	92	89	91	74	62	56	92
70	45	50	54	70	84	80	85	86	81	77	63	57	86
71	51	51	62	65	77	85	91	89	85	80	70	62	91
72	57	56	59	67	77	80	86	84	82	70	66	63	86
73	59	54	67	76	78	84	91	93	89	76	68	62	93
74	59	55	58	70	76								
MEAN	54.5	52.3	59.3	71.0	78.0	86.4	89.0	86.4	82.8	76.2	66.1	58.5	90.0
S.D	4.002	3.676	4.269	3.617	4.257	4.082	3.434	4.213	4.110	3.819	4.122	4.273	3.956
TOTAL OBS	606	734	806	779	806	750	775	775	750	775	750	775	9281

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

725068 STATION — OTIS AFB MA STATION NAME — 49-74 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH / YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	OCT	NOV.	DEC	ALL MONTHS
49	16	6	12	32	39	46	53	52	42	36	16	13	6
50	8	0	3*	28	35	49	53	52	39	32	26	-1	-1
51	9	9	20	31	38	47	59	53	37	33	15	9	9
52	6	14	16	28	37	48	53	51	43	29	24	10	6
53	15	10	11	33	40	47	51	52	41	35	31	12	10
54	1	0	21	19	35	46	50	51	45	36	27	15	0
55	11	-1	19	29	40	43	58	52	43	32	21	-2	-2
56	6	11	13	30	31	48	54	51	39	33	20	9	6
57	-7	10	20	28	37	45	55	51	36	35	17	17	-7
58	6	-2	26	31	33	41	57	56	43	35	18	5	-2
59	5	1	18	27	40	47	58	53	43	30	22	9	1
60	10	21	10	28	42	50	56	55	44	32	26	8	8
61	2	-9	13	31	34	47	56	52	44	34	27	9	-9
62	8	7	8	25	35	47	50	48	38	26	27	-4	-4
63	6	2	19	27	38	49	55	50	40	32	28	3	2
64	2	11	23	24	34	45	55	48	44	32	22	13	2
65	-1	7	18	21	36	45	47	44	42	31	24	14	-1
66	8	4	23	29	34	45	50	52	38	22	25	13	4
67	7	-4	1	24	31	42	53	52	41	32	14	12	-4
68	-4	3	11	29	35	50	53	48	41	35	23	-2	-4
69	10	12	18	20	33	49	53	47	36	25	17	11	10
70	-12	5	15	23	28	41	54	53	44	28	20	11	-12
71	-1	1	21	27	40	41	52	48	43	40	23	9	-1
72	2	1	9	26	34	43	49	49	45	26	17	13	1
73	3	2	17	28	33	44	56	55	39	35	22	16	2
74	4	11	17	32	38								
MEAN	4.6	5.1	15.5	27.3	35.8	45.8	53.6	51.0	41.2	31.8	22.1	8.9	.9
S.D.	6.287	6.486	6.107	3.792	3.362	2.799	3.014	2.754	2.784	4.069	4.527	5.876	5.885
TOTAL OBS	836	734	806	779	806	750	775	775	750	775	750	775	9281

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725063 OTIS AFB MA 68-70,73,76-81 JAN
STATION STATION NAME YEARS 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
60/ 59	.2	.1																3	3	3	3
58/ 57		.3																3	3		
56/ 55	.1	.1																2	2	4	2
54/ 53	.1	.2																3	3	2	3
52/ 51	.1	.2	.1															4	4	3	3
50/ 49		.4	.7	.1														11	11	2	1
48/ 47		.5	.2															7	7	10	7
46/ 45	.1	.7	.1															8	8	10	4
44/ 43		.8	.3															10	10	9	10
42/ 41		2.1	.8															26	26	18	11
40/ 39	.4	2.2	1.8	1.0														49	49	19	24
38/ 37	.8	.8	.4	.2														20	20	33	16
36/ 35		4.2	1.5	.3														55	55	29	18
34/ 33	.1	2.2	.8	.8														35	35	55	24
32/ 31	.2	6.1	1.3	1.6	.4													89	89	36	36
30/ 29	.1	2.2	2.4	1.4														56	56	63	31
28/ 27	.3	3.5	3.4	1.3														78	78	47	46
26/ 25	.2	2.4	2.3	1.3														57	57	73	47
24/ 23		1.9	2.3	.2														40	40	71	28
22/ 21	.2	2.6	4.3	.1														66	66	52	29
20/ 19	.5	2.7	2.5	.2														55	55	72	40
18/ 17	.2	2.1	2.6															45	45	52	42
16/ 15		2.1	2.2															39	39	51	46
14/ 13		2.5	1.1															33	33	38	37
12/ 11	.3	1.9	1.2															31	31	41	43
10/ 9	.2	2.2	.7															28	28	31	49
8/ 7		1.8	.2															18	18	32	66
6/ 5		1.3																12	12	14	36
4/ 3		1.2																11	11	14	31
2/ 1		.1																1	1	11	43
0/ -1	.5	.3																8	8	5	25
-2/ -3	.2	.7																8	8	8	23
-4/ -5		.1																1	1	3	15
-6/ -7																				1	15

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
725068	OTIS AFB MA	68-70,73,76-81	JAN

PAGE 2 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
- / -9																					10
-10/-11																					15
-1 /-13																					10
-1 /-15																					1
-1 /-17																					8
-1 /-19																					8
- /-21																					3
-2 /-27																					2
- /-29																					1
TOTAL	5.2	52.5	33.2	8.7	.4														912		912
																		912		912	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4323552	60890	66.8	16.836	912	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	725340	23544	25.8	11.358	912	1.7	68.9					93
Wet Bulb	616958	21352	23.4	11.336	912	1.7	72.9					93
Dew Point	437979	14339	15.7	15.274	912	13.9	80.2					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | JAN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
58/ 57		.3	.2															5	5		
56/ 55	.1	.1																2	2	4	3
54/ 53	.5		.1															6	6	8	6
52/ 51		.3	.2															5	5		3
50/ 49		.4	.2															6	6	5	1
48/ 47		1.1																10	10	9	7
46/ 45	.3	.1	.3															7	7	12	14
44/ 43		.5	.5															10	10	6	5
42/ 41		1.9	.5															22	22	10	3
40/ 39	.7	2.5	1.2	.8														47	47	27	24
38/ 37		2.3	1.2	.1														33	33	25	10
36/ 35	.2	3.3	.9															40	40	43	22
34/ 33	.1	2.5	2.5															47	47	45	28
32/ 31	.4	4.0	1.5	.5	.1													60	60	42	34
30/ 29		3.2	2.4	1.2														62	62	56	38
28/ 27	.1	3.8	2.4	1.4														71	71	38	41
26/ 25	.1	3.4	2.0	.7														56	56	72	42
24/ 23		2.2	1.2	.1														32	32	64	29
22/ 21	.4	3.2	3.6															66	66	55	26
20/ 19	.1	2.4	3.0															50	51	61	50
18/ 17	.3	2.3	3.1															52	52	48	37
16/ 15	.1	2.5	1.6															39	39	45	39
14/ 13	.1	2.4	1.1															33	33	52	35
12/ 11	.3	3.0	.1															31	31	32	43
10/ 9	.1	4.0	.4															41	41	36	56
8/ 7		2.9	.1															27	27	42	45
6/ 5		2.1																19	19	26	42
4/ 3	.1	.9																9	9	19	25
2/ 1		.5																5	5	8	41
0/ -1	.2	.2																4	4	5	38
-2/ -3	.2	.2																4	4	5	30
-4/ -5	.1	.8																8	8	6	24
-6/ -7																				3	15
-8/ -9	.1																	1	1	1	13

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 JAN
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point
-10/-11	.1																	1	1	1	4
-12/-13																					13
-14/-15																					8
-16/-17																					4
-18/-19																					2
-20/-21																					2
-22/-23																					5
-24/-25																					1
-26/-27																					3
TOTAL	5.0	59.4	30.6	4.8	.1														912		911
																		911		911	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4434126	61848	67.9	16.078	911	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	697014	22748	24.9	11.928	912	1.8	68.5					93
Wet Bulb	598479	20711	22.7	11.843	911	2.1	73.2					93
Dew Point	434157	14007	15.4	15.506	911	16.5	80.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA — 68-70,73,76-81 — JAN
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
/ 59		.2																2	2		
58/ 57	.1	.3	.2															6	6	3	1
56/ 55		.1																1	1	4	4
4/ 53																				2	2
2/ 51		1.0																9	9	2	2
50/ 49	.2	.6																8	8	9	7
4/ 47	.1	.9	.2															11	11	12	11
46/ 45	.2	.8	.2															11	11	7	11
4/ 43		.8	.4															11	11	12	5
2/ 41	.2	.9	.8	.1														18	18	9	6
40/ 39	.4	1.9	.6	.9														36	36	20	16
38/ 37	.1	2.6	1.9	.2														45	45	22	12
/ 35	.1	2.4	1.1															33	33	46	15
34/ 33	.3	3.5	1.4	.2														50	50	39	42
2/ 31	.3	3.4	2.6	.4														62	62	51	27
/ 29	.3	2.9	2.7	.2														57	57	44	34
/ 27		3.6	1.9	1.1														61	61	58	43
/ 25	.1	2.6	2.8	.8														58	58	62	42
/ 23		1.9	1.9	.2														38	38	56	26
2/ 21		2.8	2.9	.1														54	54	49	32
/ 19	.2	3.7	2.4															58	58	65	52
18/ 17		2.7	2.6															49	49	54	39
1/ 15	.4	3.4	2.1															54	54	48	35
14/ 13	.2	2.3	.6															29	29	53	46
1/ 11	.3	3.8	1.0															47	47	35	37
/ 9		3.1	.5															34	34	46	55
/ 7		2.1	.2															21	21	37	44
/ 5		2.4																22	22	21	32
/ 3	.1	1.7																17	17	23	40
/ 1		.5																5	5	14	43
/ -1		.2																2	2	4	34
-/ -3	.1	.6																7	7	8	33
-4/ -5	.1	.5																6	6	6	18
-/ -7																				1	11

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

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

CL AL CLIMATOLOGY BRANCH
USAFETAC
AI WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72 68 — STATION
OTIS AFB MA — STATION NAME
68-70,73,76-81 — YEARS
JAN — MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
- / -9	.1																	1	1	1	12
- /-11																					10
-1 /-13	.1																	1	1	1	8
-1 /-15																					14
- /-17																					7
- /-19																					5
- /-21																					7
-2 /-25																					1
- /-27																					3
T TAL	4.3	60.2	31.3	4.2															924		924
																		924		924	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4499176	62780	67.9	15.911	924							
Dry Bulb	698543	22811	24.7	12.112	924	1.7	68.7					93
Wet Bulb	601087	20783	22.5	12.032	924	2.1	74.2					93
Dew Point	441893	14015	15.2	15.762	924	16.4	79.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725069 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | JAN MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
4/ 63			.1															1	1		
/ 61		.1	.1															2	2		
/ 59																				2	
/ 57	.1																	1	1	2	3
5 / 55		.4		.1														5	5	2	3
4/ 53	.2	.2	.1	.1														6	6	4	3
2/ 51		.5	.4			.1												10	10	4	4
/ 49	.2	.8	.1	.1	.1													12	12	9	4
/ 47		.5	.1	.3	.1													10	10	13	6
4/ 45		1.3	.3	.2	.1													18	18	9	15
4/ 43		1.2	.5	.5	.2													23	23	11	7
/ 41		1.4	.8	.9	.5													33	33	24	10
4 / 39	.1	1.6	.6	1.5	.2													38	38	22	16
3 / 37	.1	2.9	1.8	1.1	.2													57	57	30	17
/ 35		2.2	1.6	2.0	.4													58	58	56	18
3/ 33	.1	2.5	2.5	1.3	.4													65	65	50	34
2/ 31	.2	2.5	2.0	2.9	.1													72	72	54	46
/ 29		2.4	4.0	1.6	.1													75	75	62	36
2 / 27		1.9	2.9	2.3														66	66	59	32
/ 25		2.2	4.3	1.1														70	70	94	38
2/ 23		1.3	2.4	1.4														47	47	70	39
2/ 21	.1	1.2	3.2	.3														45	45	60	41
/ 19		2.2	3.0	.3														51	51	56	56
/ 17		1.3	1.8	.1														30	30	57	39
1 / 15	.3	1.1	2.7															38	38	38	69
1/ 13		1.1	1.6															25	25	36	44
1 / 11	.1	1.5	1.3															27	27	28	44
1 / 9	.1	.3	.9															12	12	26	42
/ 7		.6	.1															7	7	15	31
/ 5		1.5																14	14	12	35
/ 3		.6																6	6	13	43
/ 1		.5																5	5	8	33
/ -1																				3	30
/ -3		.1																1	1	1	15

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72 068 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | JAN 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
-4/ -5																					18
- / -7																					12
- / -9																					7
-10/-11																					11
-1 /-13																					5
-1 /-15																					12
- /-17																					6
- /-19																					3
- /-21																					4
-2 /-25																					2
- /-27																					1
T TAL	1.[illegible]	37.8	39.4	18.2	2.6	.1													930		930
																		930		930	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3935158	58254	62.6	17.552	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	876565	26697	28.7	10.891	930	.1	59.1					93
Wet Bulb	717174	23798	25.6	10.792	930	.4	69.2					93
Dew Point	476262	15658	16.8	15.129	930	12.6	79.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 JAN
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
62/ 61		.1																1	1		
60/ 59		.2			.2													4	4	2	
58/ 57		.1	.1		.1													3	3	1	3
56/ 55		.3	.2				.1											6	6	3	1
54/ 53		.1				.1	.1											3	3	4	4
52/ 51	.3	.2	.1	.1	.3													10	10	7	3
50/ 49		.9	.1	.2	.2													13	13	3	3
48/ 47		.9	.3	.3	1.0													23	23	11	6
46/ 45		1.4	.2	.3	.5	.3												26	26	15	11
44/ 43		.6	.2	1.8	.3	.2												30	30	19	12
42/ 41	.1	1.2	1.2	.6	1.0	.1												39	39	20	10
40/ 39	.3	2.2	.4	1.6	1.6	.2	.1											60	60	38	16
38/ 37		1.4	1.2	1.9	1.2	.2												55	55	40	16
36/ 35		1.6	2.4	1.6	1.2	.1												64	64	34	21
34/ 33	.1	1.6	2.3	3.0	1.2													76	76	64	29
32/ 31		3.5	2.4	4.1	1.3													104	104	72	40
30/ 29		2.1	2.8	3.5	.6													83	83	77	37
28/ 27	.1	1.7	1.9	4.2	.1													75	75	88	40
26/ 25		1.0	2.5	2.6	.1													57	57	87	49
24/ 23		.5	1.0	1.7														30	30	70	36
22/ 21		.8	3.4	.8														45	45	69	37
20/ 19		1.0	2.7	.6														40	40	52	62
18/ 17		.2	1.6	.2														19	19	42	40
16/ 15		.3	2.2	.1														24	24	29	57
14/ 13		.2	.9															10	10	26	43
12/ 11		.2	1.0															11	11	20	61
10/ 9			.4															4	4	11	36
8/ 7		.1	.6															7	7	10	34
6/ 5		.2																2	2	7	33
4/ 3																				3	46
2/ 1																					40
0/ -1																					17
-2/ -3																					22
-4/ -5																					11

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068	OTIS AFB MA	66-70,73,76-81	JAN
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
-·/ -7																					8
-./ -9																					7
-1./-11																					7
-1./-13																					7
-1·/-15																					10
-1./-19																					3
- /-21																					4
- 2/-23																					2
TOTAL	1.0	24.7	32.1	29.5	11.0	1.3	.3												924		924
																		924		924	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3395397	53203	57.6	18.966	924	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1018532	29352	31.8	9.660	924		51.4					93
Wet Bulb	792618	25578	27.7	9.572	924		66.7					93
Dew Point	474030	16108	17.4	14.469	924	9.9	79.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | JAN 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
58/ 57			.1		.1													2	2		
56/ 55		.8	.2															9	9	5	
54/ 53	.1	.1		.1														3	3	5	8
52/ 51			.1			.2												3	3	2	1
50/ 49		.3				.1												4	4	1	3
48/ 47		1.2	.3	.2	.1													17	17	7	2
46/ 45	.1	.8	.4	1.1	.5	.1												28	28	12	13
44/ 43		2.2	.5	1.0	.2													36	36	17	5
42/ 41	.3	.8	1.3	.9	.5													35	35	25	13
40/ 39	.2	2.0	.9	1.0	1.3	.1												51	51	37	21
38/ 37		1.1	1.6	.8	.9	.8												47	47	35	17
36/ 35		2.0	3.0	1.4	1.2													71	71	28	19
34/ 33	.1	2.4	2.8	1.5	.5													68	68	63	25
32/ 31	.1	2.6	3.1	4.3	1.5													108	108	67	40
30/ 29	.1	3.1	3.9	3.4	.5													103	103	86	41
28/ 27		.9	3.3	3.4	.1													72	72	89	57
26/ 25		1.5	2.5	2.0														56	56	83	44
24/ 23		1.1	3.1	1.7														55	55	86	34
22/ 21	.2	1.0	2.7	.9														44	44	68	41
20/ 19		.9	1.9	.5														31	33	65	46
18/ 17		.2	1.9	.2														22	22	47	47
16/ 15		.1	1.8	.2														20	20	18	54
14/ 13		.9	1.4															21	21	25	57
12/ 11			1.3															12	12	26	48
10/ 9		.1	.2															3	3	16	46
8/ 7		.2																2	2	8	44
6/ 5		.1																1	1	2	35
4/ 3		.3																3	3	1	31
2/ 1		.1																1	1	3	37
0/ -1																				1	22
-2/ -3																					10
-4/ -5																					15
-6/ -7																					12
-8/ -9																					5

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068	OTIS AFB MA	68-70,73,76-81	JAN
STATION	STATION NAME	YEARS	MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
-10/-11																					8
-12/-13																					6
-14/-15																					6
-16/-17																					2
-18/-19																					7
-20/-21																					3
-24/-25																					1
-26/-27																					2
TOTAL	1.326.638.624.7 7.5 1.3																	928	930	928	928

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3610341	55151	59.4	18.945	928							
Dry Bulb	963780	28700	30.9	9.168	930		55.6					93
Wet Bulb	762214	25180	27.1	9.231	928	.1	69.2					93
Dew Point	469562	16122	17.4	14.297	928	9.9	80.3					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 JAN
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
5 / 55	.1	.4	.2															7	7	2	1
4/ 53			.2															2	2	3	3
2/ 51		.3																3	3	4	1
5 / 49		.5																5	5	6	5
4 / 47		.2		.1														3	3	2	5
4 / 45		1.1	.5	.3	.1													19	19	4	4
4/ 43		1.2	1.2	.3														25	25	10	7
/ 41		3.0	.9	.9														44	44	23	8
4 / 39	.2	2.1	1.0	.8	.1													38	38	46	20
3 / 37	.1	1.9	1.1	.4	.3													36	36	36	36
/ 35	.1	2.2	1.5	.9	.8													50	50	27	23
3 / 33		2.6	2.7	.8	.1													57	57	41	24
/ 31		4.5	2.6	2.1	.3													88	88	46	18
/ 29	.4	3.0	4.0	2.4														91	91	83	37
2 / 27		2.7	3.9	2.5														84	84	65	65
/ 25	.1	1.5	3.6	1.1														58	58	89	36
2 / 23	.4	2.1	2.8	.4														53	53	88	32
2/ 21	.1	1.7	4.2	.3														59	59	62	49
/ 19		1.6	3.7	.2														51	51	61	50
1 / 17		1.6	2.9															41	41	46	41
1 / 15		1.1	1.4	.1														24	24	54	58
/ 13		1.0	1.1															19	19	26	55
1 / 11		1.1	2.3															31	31	24	41
1 / 9	.1	.2	.9															11	11	23	43
/ 7		.5	.3															8	8	21	43
/ 5		.9																8	8	12	27
/ 3	.1	.2																3	3	9	40
/ 1		.4																4	4	1	46
/ -1		.2																2	2	6	23
- / -3	.1																	1	1	1	5
- / -5																					17
- / -7																					9
- / -9																					14
-1 / -11																					12

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7[illegible]5 68 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | JAN MONTH

PAGE 2 | 1800-2000 HOURS (L. S. T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-1. /-13																					7
-1 /-15																					3
/-17																					8
/-19																					6
/-27																					3
TAL	1.9	40.0	42.8	13.5	1.7														925		925
																		925		925	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4081243	59263	64.1	17.543	925							
Dry Bulb	622046	25996	28.1	9.949	925	.3	63.9					93
Wet Bulb	679279	23297	25.2	10.007	925	.7	72.5					93
Dew Point	453115	15537	16.8	14.420	925	10.8	79.2					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 5068 STATION | OTIS AFB MA STATION NAME | 66-70,73,76-81 YEARS | JAN 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
/ 59	.1	.1																2	2	1	1
/ 57	.1	.3																4	4	3	1
5/ 55		.1																1	1	2	4
4/ 53		.2																2	2	1	1
2/ 51	.2	.9																10	10	4	3
5/ 49		.3	.1															4	4	10	5
/ 47		.3	.3															6	6	1	6
4/ 45		.3	.4															7	7	6	3
4/ 43		1.7	.3	.2														21	21	8	2
2/ 41		2.4	.9	.3														33	33	26	16
40/ 39	.3	1.6	1.8	.8														42	42	27	24
3/ 37	.1	2.5	1.0	.5														38	38	30	19
3/ 35	.1	1.9	1.1	.4														33	33	38	25
3/ 33	.1	2.9	1.5	.3	.4													49	49	38	19
/ 31		5.4	2.5	1.5	.3													90	90	39	31
/ 29	.3	3.0	3.4	1.1														72	72	71	31
2/ 27		3.1	3.5	2.5														84	84	55	48
2/ 25	.2	2.9	2.6	1.1														63	63	90	43
/ 23	.2	1.0	3.5	.3														46	46	76	41
2/ 21	.2	3.2	2.5	.3														58	58	55	39
/ 19	.2	2.5	4.3															65	65	82	42
/ 17	.1	1.5	2.3															36	36	38	47
1/ 15		2.5	1.6															38	38	57	51
1/ 13		1.8	1.3															29	29	38	41
1/ 11	.2	1.5	1.5															30	30	33	44
10/ 9		1.0	.8															16	16	22	44
/ 7		1.3	.2															14	14	28	53
/ 5		1.0																9	9	13	37
/ 3	.1	1.0																10	10	12	36
/ 1		.8																7	7	8	47
/ -1	.1	.2																3	3	8	24
-/ -3	.1	.1																2	2	4	10
-/ -5																					9
-/ -7																					18

Element (X)	Σx²	Σx	X̄	σx	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AI- WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
725068	OTIS AFB MA	68-70,73,76-81	JAN

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
- / -9																					13
-1 /-11																					16
-1 /-13																					7
-1 /-15																					2
-1 /-17																					12
-1 /-19																					4
- /-21																					2
- /-27																					3
TOTAL	2.9	49.6	37.3	9.4	.8														924		924
																		924		924	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4270632	60732	65.7	17.382	924							
Dry Bulb	769774	24764	26.8	10.720	924	.5	67.6					93
Wet Bulb	648122	22360	24.2	10.768	924	1.2	73.4					93
Dew Point	450582	14990	16.2	14.990	924	12.1	80.0					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 JAN
STATION STATION NAME YEARS 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
64/ 63			.0															1	1		
62/ 61		.0	.0															3	3		
60/ 59	.0	.1			.0													11	11	8	4
58/ 57	.0	.2	.1		.0													24	24	9	8
56/ 55	.0	.3	.1	.0			.0											33	33	26	18
54/ 53	.1	.1	.1	.0		.0	.0											25	25	29	30
52/ 51	.1	.4	.1	.0	.0	.0												54	54	26	20
50/ 49	.1	.5	.1	.1	.0	.0												63	63	45	29
48/ 47	.0	.7	.2	.1	.1													87	87	65	50
46/ 45	.1	.8	.3	.2	.2	.1												124	124	75	75
44/ 43		1.1	.5	.5	.1	.0												166	166	92	53
42/ 41	.1	1.7	.9	.5	.3	.0												250	250	155	77
40/ 39	.3	2.0	1.0	1.0	.4	.0	.0											361	361	236	161
38/ 37	.1	1.9	1.3	.7	.3	.1												331	331	251	143
36/ 35	.1	2.5	1.6	.8	.4	.0												404	404	301	161
34/ 33	.1	2.5	2.1	1.0	.3													447	447	395	221
32/ 31	.2	4.0	2.3	2.2	.5													673	673	407	272
30/ 29	.2	2.7	3.2	1.9	.2													599	599	542	285
28/ 27	.1	2.7	2.9	2.3	.0													591	591	499	372
26/ 25	.1	2.2	2.8	1.3	.0													475	475	650	341
24/ 23	.1	1.5	2.3	.8														341	341	581	265
22/ 21	.2	2.1	3.3	.4														437	437	470	294
20/ 19	.1	2.1	2.9	.2														401	404	514	398
18/ 17	.1	1.5	2.3	.1														294	294	386	332
16/ 15	.1	1.6	2.0	.1														276	276	340	409
14/ 13	.0	1.5	1.1															199	199	296	358
12/ 11	.2	1.6	1.2															220	220	239	361
10/ 9	.1	1.4	.6															149	149	211	371
8/ 7		1.2	.2															104	104	193	360
6/ 5		1.2																87	87	107	277
4/ 3	.1	.7																59	59	94	292
2/ 1		.4																28	28	53	330
0/ -1	.1	.1																19	19	32	213
-2/ -3	.1	.2																23	23	27	148

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | JAN MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-4/ -5	.0	.2																15	15	15	127
-6/ -7																				5	100
-8/ -9	.0																	2	2	2	81
-10/-11	.0																	1	1	1	83
-12/-13	.0																	1	1	1	63
-14/-15																					56
-16/-17																					47
-18/-19																					38
-20/-21																					25
-22/-23																					7
-24/-25																					5
-26/-27																					17
-28/-29																					1
TOTAL	2.9	43.8	35.7	14.2	3.0	.3	.0												7381		7378
																		7378		7378	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	32549625	472121	64.0	17.804	7378							
Dry Bulb	6571594	204612	27.7	11.040	7381	6.1	503.7					744
Wet Bulb	5415931	183059	24.8	10.884	7378	8.4	571.3					744
Dew Point	3637580	120776	16.4	15.003	7378	101.9	638.1					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 FEB
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
54/ 53		.2	.4															5	5		
52/ 51		.1	.2															3	3	6	1
50/ 49		.7	.6															11	11	2	3
48/ 47		1.1																9	9	11	7
46/ 45		1.2	.2															12	12	10	7
44/ 43		1.1	.5															13	13	10	16
42/ 41	.4	1.5	.9	.4	.1													28	28	20	12
40/ 39	.1	1.3	.8	.4	.2													24	24	16	12
38/ 37		3.8	1.4	.2														46	46	22	15
36/ 35	.1	3.9	2.5	.2														57	57	45	17
34/ 33	.1	3.5	3.1	.5														61	61	59	35
32/ 31		4.8	3.5	.9														79	79	52	28
30/ 29	.1	2.6	3.1	.6														54	54	63	48
28/ 27		1.3	1.3	1.4														34	34	57	55
26/ 25	.2	1.8	4.0	.9														59	59	40	32
24/ 23	.5	1.8	3.4	.5														52	52	54	37
22/ 21	.2	1.7	3.8	.2														50	50	52	28
20/ 19	.4	4.1	5.3	.8														90	90	77	43
18/ 17	.1	2.2	1.8															35	35	65	32
16/ 15		1.7	1.7															28	28	51	35
14/ 13		1.7	2.5															35	35	33	47
12/ 11	.1	1.2	1.2															21	21	31	34
10/ 9		1.1	1.2															19	19	26	42
8/ 7		.6	1.1															14	14	21	49
6/ 5		.7																6	6	12	30
4/ 3		.1																1	1	10	38
2/ 1		.2																2	2	1	36
0/ -1																				2	30
-2/ -3																					14
-4/ -5																					11
-6/ -7																					11
-8/ -9																					8
-10/-11																					4
-12/-13																					8

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068	OTIS AFB MA	68-70,73,76-81	FEB
STATION	STATION NAME	YEARS	MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point
-14/-15																					11
-16/-17																					1
-18/-19																					8
-20/-21																					1
-22/-23																					2
TOTAL	2.4	45.9	44.3	7.1	.4														948		848
																		848		848	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3986254	56260	66.3	17.308	848							
Dry Bulb	714499	23079	27.2	10.099	848		57.4					84
Wet Bulb	602553	20873	24.6	10.238	848	.2	64.1					84
Dew Point	422379	14279	16.8	14.656	848	10.8	71.6					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7 5268 — STATION
OTIS AFB MA — STATION NAME
68-70,73,76-81 — YEARS
FEB — MONTH

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

Temp.	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL		
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
5 / 55			.1															1	1		
4/ 53			.2															2	2		
/ 51		.2	.1															3	3	1	
5 / 49		.4	.1															4	4	6	3
4 / 47		.3	.1															8	8	4	4
4 / 45		1.1	.4															12	12	8	6
4/ 43		.5	.6															9	9	11	6
2/ 41		.5	.8	.5														15	15	6	11
4 / 39	.2	2.6	1.1	.5	.1													38	38	19	6
3 / 37	.5	3.1	1.3	.4	.2													46	46	31	15
/ 3	.1	3.7	2.4		.1													53	53	43	27
3 / 33		3.1	3.3	.1														52	52	54	32
/ 31	.1	5.8	3.0	.6														80	60	44	37
/ 29		3.4	2.6	.2														53	53	76	39
2 / 27	.4	1.7	2.0	.1														35	35	53	53
/ 25	.4	2.4	3.7	.4														57	57	45	38
2 / 23	.4	2.0	3.2	.7														53	53	45	44
2/ 21	.4	2.0	2.1	.4														41	41	58	31
/ 19	.4	2.7	6.4	.4														83	83	47	38
/ 17		2.7	2.8															47	47	60	34
1 / 15		2.6	1.7															36	36	64	36
1/ 13		1.5	1.2															23	23	41	27
/ 11	.2	3.7	.5															37	37	32	57
/ 9		.7	1.1															15	15	39	24
/ 7	.1	1.5	.5															18	18	12	44
/ 5		1.7																14	14	17	27
-/ 3	.1	.8																8	8	18	46
/ 1		.2																2	2	7	44
/ -1																				2	30
-/ -3																					23
-/ -5																					17
-/ -7																					5
-/ -9																					7
-/-11																					5

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068	OTIS AFB MA	68-70,73,76-81	FEB
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
-12/-13																					4
-14/-15																					4
-16/-17																					7
-18/-19																					12
-22/-23																					1
-24/-25																					1
TOTAL	7.2	51.4	40.8	4.1	.5														845		845
																		845		845	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4038403	56755	67.2	16.379	845	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	665549	22057	26.1	10.315	845		59.8					84
Wet Bulb	563488	20004	23.7	10.322	845	.2	65.8					84
Dew Point	395319	13663	16.2	14.375	845	11.5	73.1					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
54/ 53		.4																3	3	1	1
52/ 51																				2	1
50/ 49		.4	.1															4	4		1
48/ 47		.7			.1													7	7	3	
46/ 45		1.2	.5	.1														15	15	9	6
44/ 43		.8	.4															10	10	10	6
42/ 41		1.1	1.4	.4	.1													25	25	11	9
40/ 39		3.1	.2	.1														29	29	21	7
38/ 37		3.9	1.5	.2														48	48	34	20
36/ 35		2.6	2.5	.1	.2													46	46	45	33
34/ 33		3.7	3.4	.5	.2													66	66	48	34
32/ 31	.1	3.7	1.9	.5														52	52	50	41
30/ 29		3.3	2.5	.7														55	55	57	26
28/ 27		3.7	3.7															62	62	48	45
26/ 25	.1	2.7	4.7	.5														68	68	63	45
24/ 23	.1	1.8	2.5	.6														42	42	67	36
22/ 21	.5	1.9	2.5	.1														42	42	51	33
20/ 19	.2	3.2	4.9	.6														75	75	51	45
18/ 17		2.2	2.0															36	36	55	27
16/ 15		3.7	1.9															47	47	49	42
14/ 13		1.9	1.3															27	27	53	32
12/ 11		2.6	.7															28	28	29	56
10/ 9		1.7																14	15	29	36
8/ 7		1.7	.8															21	21	16	39
6/ 5		1.3																11	11	18	32
4/ 3		1.3																11	11	14	47
2/ 1		.1																1	1	10	29
0/ -1																				1	25
-2/ -3																					27
-4/ -5																					22
-6/ -7																					6
-8/ -9																					3
-10/-11																					1
-12/-13																					4

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION
OTIS AFB MA STATION NAME
68-70,73,76-81 YEARS
FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
-14/-15																					6
-16/-17																					7
-18/-19																					10
-20/-21																					3
-22/-23																					1
-26/-27																					1
TOTAL	1.1	54.4	39.4	4.4	.7														846		845
																		845		845	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3999415	56517	66.9	16.120	845							
Dry Bulb	668731	22171	26.2	10.186	846		58.9					84
Wet Bulb	565086	20088	23.8	10.184	845	.1	65.7					84
Dew Point	393490	13688	16.2	14.266	845	11.5	72.3					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
5 / 57						.1	.1											2	2		
5 / 55		.2																2	2		
4/ 53		.1		.1		.1												3	3	3	3
2/ 51		.4		.5	.2													9	9		
5 / 49		.5	.6	.6	.2	.1												17	17	4	
4 / 47		1.1	.6	.1	.1	.1												17	17	14	6
4 / 45		1.4	.6	.4	.1													21	21	14	7
4/ 43		.5	.6	.5	.5													17	17	24	6
2/ 41		1.5	1.2	1.5	.6													41	41	10	18
40/ 39	.1	1.3	2.7	1.1	.8	.2												53	53	27	18
3 / 37	.2	3.1	2.5	.8	.4	.1												60	60	41	14
/ 35		2.5	3.1	1.7	.5													65	65	67	30
34/ 33		3.2	2.7	1.9	.7													72	72	57	33
2/ 31		2.2	3.4	3.5	.8													85	85	61	57
/ 29		1.4	4.7	3.1	.6													83	83	60	39
/ 27		1.2	3.3	2.7														61	61	71	44
/ 25		.8	2.5	1.7														42	42	81	37
2/ 23		.6	2.2	1.5														37	37	70	24
2/ 21		.7	2.7	.9														37	37	49	47
/ 19		.8	3.4	.4														39	39	42	47
1 / 17		.9	2.2	.1														28	28	46	39
1/ 15		.6	1.5	.1														19	19	35	37
1/ 13		.2	.8															9	9	26	34
1/ 11		.6	1.2															15	15	12	40
1 / 9		.5	.7															10	10	12	50
/ 7			.4															3	3	13	34
/ 5																				6	29
/ 3																				2	39
/ 1																					26
/ -1																					25
- / -3																					18
- / -5																					13
- / -7																					7
- / -9																					1

Element (X)	Σx²	Σx	X̄	σx	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 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA — 68-70,73,76-81 — FEB
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
-1 /-11																					2
-1 /-15																					8
-1 /-17																					10
- /-19																					4
- /-21																					1
TOTAL	.4	26.3	43.7	23.1	5.5	.8	.1												847		847
																		847		847	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3360366	51184	60.4	17.776	847							
Dry Bulb	900881	26449	31.2	9.413	847		46.4					84
Wet Bulb	716462	23320	27.5	9.378	847		58.1					84
Dew Point	448672	15454	18.2	14.037	847	8.8	70.6					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | FEB MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
62/ 61								.1										1	1		
60/ 59						.1	.2											3	3		
58/ 57			.1			.1	.1		.1									4	4		
56/ 55			.1	.5	.1		.1											7	7		
54/ 53	.1	.2	.1	.1		.4												8	8	3	1
52/ 51			.4	.2	.1	.1												7	7	2	2
50/ 49		.6	.8	.5	.5	.6	.1											26	26	13	1
48/ 47		.4	.5	.4	.5													14	14	11	8
46/ 45		.9	.5	1.3	.6													28	28	17	9
44/ 43		.4	.5	1.7	1.1	.1												31	31	17	9
42/ 41	.2	1.7	1.3	1.1	1.9	.2												54	54	19	13
40/ 39		2.2	2.6	1.2	1.2	.4												64	64	38	12
38/ 37	.1	3.0	2.0	2.0	1.7	.8												81	81	62	17
36/ 35		2.2	1.9	3.3	1.3	.8												80	80	61	36
34/ 33		.9	2.6	3.9	1.5	.2												78	78	66	32
32/ 31		2.4	2.6	5.4	1.8													103	103	54	55
30/ 29		.4	1.8	4.3	.7													60	60	82	38
28/ 27		.1	.2	4.0	.5													41	41	86	40
26/ 25		.6	1.3	1.8														31	31	76	44
24/ 23		.6	1.8	2.1														38	38	60	31
22/ 21		1.1	1.1	.5														22	22	52	36
20/ 19		.5	1.5	1.1														26	26	41	42
18/ 17		.4	1.2	.8														20	20	29	63
16/ 15		.1	.8	.1														9	9	25	36
14/ 13		.2	.8															9	9	14	42
12/ 11																				12	27
10/ 9																				5	49
8/ 7																					38
6/ 5																					41
4/ 3																					39
2/ 1																					23
0/ -1																					7
-2/ -3																					9
-4/ -5																					14

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 FEB
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
-6 / -7																					10
-8 / -9																					2
-10/-11																					3
-12/-13																					1
-14/-15																					10
-16/-17																					5
TOTAL	.5	18.8	26.4	36.2	13.4	3.9	.6	.1	.1									845	845	845	845

Element (X)	Σx²	Σx	X̄	σx	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	2956702	47374	56.1	18.878	845	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1053309	28895	34.2	8.792	845		35.7					84
Wet Bulb	799191	24949	29.5	8.610	845		53.3					84
Dew Point	459119	16027	19.0	13.558	845	6.1	70.1					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 FEB
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
62/ 61										.1								1	1		
60/ 59							.1											1	1		
58/ 57								.2		.1								3	3		
56/ 55			.4	.4				.1										7	7		
54/ 53			.2			.1		.1										4	4		
52/ 51			.2	.1	.1	.4												7	7	4	
50/ 49		.5	.5	.1	.4		.1											13	13	5	2
48/ 47		1.8	.5	.1	.5		.4											27	27	14	8
46/ 45		.7	.2	.4	.9													19	19	23	12
44/ 43	.1	.9	.9	.9	.8	.1												33	33	9	15
42/ 41	.1	1.3	1.9	.4	.9													39	39	21	15
40/ 39	.2	2.5	1.9	1.7	1.3													64	64	36	7
38/ 37	.1	2.6	1.9	2.5	1.1	.9												77	77	59	14
36/ 35	.1	2.8	2.7	2.0	1.3	.6												81	82	54	30
34/ 33		2.7	2.8	4.5	1.8	.1												101	101	67	38
32/ 31		1.5	3.2	4.3	3.0													101	101	72	52
30/ 29		.7	2.8	4.4	1.2													77	77	69	38
28/ 27		.4	.8	3.7	.4													44	44	101	43
26/ 25		.5	1.9	2.7	.2													44	44	64	46
24/ 23		.6	1.4	1.2														27	27	74	36
22/ 21		.4	.7	.6														14	14	56	27
20/ 19		.4	1.9	1.1														28	28	44	52
18/ 17		.1	1.2	1.1														20	20	18	47
16/ 15		.1	.6	.1														7	7	17	49
14/ 13			.5															4	4	23	38
12/ 11		.1	.4															4	4	10	34
10/ 9																				6	31
8/ 7																				1	38
6/ 5																					37
4/ 3																					42
2/ 1																					24
0/ -1																					16
-2/ -3																					16
-4/ -5																					6

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068	OTIS AFB MA	68-70,73,76-81	FEB
STATION	STATION NAME	YEARS	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
-6/ -7																					6
-8/ -9																					7
-10/-11																					5
-12/-13																					1
-14/-15																					7
-16/-17																					6
-18/-19																					2
TOTAL	.7	20.5	29.4	32.0	13.8	2.2	.6	.5		.2									848		847
																		847		847	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3092484	48340	57.1	19.858	847	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1024540	28620	33.8	8.319	848		36.7					84
Wet Bulb	785212	24798	29.3	8.364	847		55.0					84
Dew Point	462023	15979	18.9	13.777	847	7.1	70.0					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 FEB
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4/ 53									.1									1	1		
2/ 51			.4					.1										4	4		
50/ 49		.5	.4				.1											8	8	3	
4/ 47		1.5																13	13	7	4
4/ 45	.1	1.8		.2														18	18	17	10
4/ 43	.1	1.9	.5	1.2		.1												32	32	18	16
2/ 41	.2	1.3	1.4	.2														27	27	19	22
4/ 39	.1	1.2	1.9	.4	.1													31	31	19	13
3/ 37	.1	4.0	2.4	1.2	.2													67	67	40	8
3/ 35	.1	3.9	3.4	1.8	.4													81	81	55	19
3/ 33		3.3	2.9	1.1	.5													65	65	68	48
2/ 31		3.2	4.6	2.6	.4													91	91	57	47
/ 29		1.1	5.0	1.7	.1													66	66	65	41
2/ 27	.2	2.5	2.5	3.7	.1													76	76	68	42
/ 25	.1	1.2	3.7	3.2														69	69	80	46
2/ 23		1.0	3.4	1.4														49	49	68	33
2/ 21		1.3	2.6	1.2														43	43	65	28
/ 19	.1	1.3	2.4	1.0														40	40	66	39
1/ 17		.2	1.4	.2														16	16	37	49
1/ 15		.2	1.9															18	18	29	59
1/ 13		.2	1.0															10	10	23	43
1/ 11		.1	.8															8	8	13	32
10/ 9		.2	.5															6	6	10	42
/ 7		.4																3	3	10	30
/ 5																				5	21
4/ 3																					35
/ 1																					33
/ -1																					19
-/ -3																					12
-/ -5																					11
-/ -7																					7
-/ -9																					6
-1 /-11																					8
-1 /-13																					3

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION — OTIS AFB MA STATION NAME — 68-70,73,76-81 YEARS — FEB MONTH

PAGE 2 — 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
-1-/-15																					6
-1 /-17																					6
-1 /-19																					4
TOTAL	1.3	32.4	43.0	21.0	1.8	.1	.1	.1	.1										842		842
																		842		842	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3616421	52871	62.8	18.778	842	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	846817	25739	30.6	8.447	842		49.4					84
Wet Bulb	690271	22945	27.3	8.792	842		59.5					84
Dew Point	450530	15554	18.5	13.931	842	8.2	70.0					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | FEB MONTH

PAGE 1 | 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
52/ 51			.7															6	6		
50/ 49		.6	.4															8	8	4	
48/ 47		1.2	.2															12	12	9	4
46/ 45	.1	1.3	.1			.1												14	14	15	12
44/ 43	.1	1.3	.5	.2		.2												20	20	17	19
42/ 41	.1	2.1	.9	.5														31	31	16	15
40/ 39		1.4	1.2	.2														24	24	17	11
38/ 37		3.7	1.7	.5														49	49	32	12
36/ 35	.4	3.2	2.1	1.2														58	58	50	21
34/ 33	.1	5.1	4.0	1.5														91	91	55	28
32/ 31		4.8	2.6	1.1	.2													74	74	57	53
30/ 29	.2	.8	3.9	1.3														53	53	87	46
28/ 27	.1	3.1	3.3	1.4	.1													68	68	42	41
26/ 25	.2	1.3	3.9	1.7														59	59	65	42
24/ 23	.4	1.7	2.8	.2														43	43	56	38
22/ 21		2.2	4.0	1.3														64	64	59	39
20/ 19		2.7	3.8	1.1														64	64	69	44
18/ 17		.9	2.0															25	25	55	30
16/ 15		1.7	1.7															28	28	41	38
14/ 13		.5	2.4															24	24	40	48
12/ 11		.1	.9															9	9	17	47
10/ 9		.5	.5															8	8	16	39
8/ 7		.5	.6															9	9	11	32
6/ 5		.6																5	5	11	34
4/ 3																				5	29
2/ 1																					28
0/ -1																					17
-2/ -3																					15
-4/ -5																					14
-6/ -7																					18
-8/ -9																					3
-10/-11																					9
-12/-13																					1
-14/-15																					9

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | FEB MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-1 /-17																					2
-1 /-19																					7
- /-21																					1
TOTAL	1.8	41.3	44.1	12.2	.4	.4													846		846
																		846		846	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3890565	55333	65.4	17.924	846							
Dry Bulb	772570	24344	28.8	9.235	846		52.9					84
Wet Bulb	645692	21942	25.9	9.521	846		62.7					84
Dew Point	442052	15142	17.9	14.227	846	9.5	71.9					84

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68 OTIS AFB MA 68-70,73,76-81 FEB
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
2/ 61								.0		.0								2	2		
/ 59						.0	.0											4	4		
5 / 57			.0			.0	.0	.0	.0	.0								9	9		
5 / 55		.0	.1	.1	.0		.0	.0										17	17		
4/ 53	.	.1	.1	.0		.1		.0	.0									26	26	7	5
/ 51		.1	.3	.1	.1	.1		.0										39	39	15	4
5 / 49		.5	.4	.1	.1	.1	.0											91	91	37	10
/ 47		1.1	.2	.1	.1	.0	.0											107	107	73	41
4 / 45	.0	1.2	.3	.3	.2	.0												139	139	113	69
4/ 43	.0	.9	.5	.6	.3	.1												165	165	116	93
2/ 41	.1	1.4	1.2	.6	.5	.0												260	260	122	115
4 / 39	.1	2.0	1.6	.7	.5	.1												327	327	193	86
3 / 37	.1	3.4	1.8	1.0	.4	.2												474	474	321	115
/ 35	.1	3.1	2.6	1.3	.5	.2												521	522	420	213
3 / 33	.0	3.2	3.1	1.7	.6	.0												566	586	474	280
2/ 31	.1	3.6	3.1	2.4	.8													665	665	447	370
/ 29	.0	1.7	3.3	2.0	.3													501	501	561	315
/ 27	.1	1.7	2.1	2.1	.1													421	421	526	363
/ 25	.1	1.4	3.2	1.6	.0													429	429	514	330
2/ 23	.2	1.2	2.6	1.0														341	341	494	279
2/ 21	.1	1.4	2.4	.7														313	313	442	269
/ 19	.1	2.0	3.7	.8														445	445	437	350
/ 17	.0	1.2	1.8	.3														227	227	365	321
1/ 15		1.3	1.5	.0														192	192	311	332
1/ 13		.8	1.3															141	141	253	311
1/ 11	.0	1.0	.7															122	122	156	327
1/ 9		.6	.5															72	73	143	313
/ 7	.0	.6	.4															68	68	84	304
/ 5		.5																36	36	69	251
/ 3	.0	.3																20	20	49	315
/ 1		.1																5	5	18	243
/ -1																				5	169
-/ -3																					134
-/ -5																					108

Element (X)	Σx²	Σx	X̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible]068	OTIS AFB MA	68-70,73,76-81	FEB
STATION	STATION NAME	YEARS	MONTH

PAGE 2

ALL
HOURS (L. S. T.)

Temp.	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
(F)	0 .	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-6/ -7																					70
-8/ -9																					37
-10/-11																					37
-12/-13																					22
-14/-15																					61
-16/-17																					44
-18/-19																					47
-20/-21																					6
-22/-23																					4
-24/-25																					1
-26/-27																					1
TOTAL	1.4	36.4	38.9	17.5	4.6	.9	.2	.1	.0	.0									6767		6765
																		6765		6765	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	28940670	424634	62.8	18.387	6765							
Dry Bulb	6646866	201354	29.8	9.843	6767		397.1					672
Wet Bulb	5367955	178919	26.4	9.696	6765	.5	484.2					672
Dew Point	3473584	119786	17.7	14.141	6765	73.6	569.6					672

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 MAR
STATION STATION NAME YEARS MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
4/ 53		.1		.1														2	3		
/ 51		1.5	.6	.2														21	21	2	1
50/ 49		1.4	.3	.1														17	18	18	9
/ 47		2.3	.1	.2														24	25	18	15
4 / 45	.1	2.7	.8	.1		.2												35	35	33	19
4/ 43		3.1	1.2	.4		.1												44	44	31	26
/ 41	.3	2.3	2.0	.2														44	51	30	29
4/ 39	.1	6.1	2.4	1.2	.4													93	99	57	30
3 / 37	.1	4.6	3.1	1.2	.2													84	84	75	41
/ 35	.3	5.3	4.1	1.3	.1													101	106	63	65
3 / 33	.1	4.6	3.9	2.2	.2													100	100	97	51
/ 31	.1	3.5	4.0	1.5	.3													86	86	93	69
/ 29	.1	1.9	3.8	1.9	.1													70	73	78	41
/ 27	.1	3.4	2.4	1.0														63	63	80	73
/ 25	.1	1.8	2.1	1.7														51	51	72	59
/ 23		.7	.6	.3														14	14	48	43
2/ 21		.9	1.7	.4														27	27	36	53
2/ 19		.3	1.1															13	13	27	56
1 / 17		.3	.7															9	9	28	58
1/ 15		.1	.2															3	3	7	27
1/ 13			.1															1	1	6	18
1 / 11		.3																3	3	2	29
10/ 9																				4	13
/ 7																					10
/ 5																					9
/ 3																					25
/ 1																					11
/ -1																					14
-/ -3																					8
-/ -5																					3
TOTAL	1.5	47.4	35.0	14.3	1.4	.3													929		905
																		905		905	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4926734	65120	72.0	16.327	905							
Dry Bulb	1185105	32423	34.9	7.594	929		34.3					93
Wet Bulb	983658	28928	32.0	8.078	905		49.4					93
Dew Point	742244	23638	26.1	11.751	905	2.6	63.6					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68 STATION — OTIS AFB MA STATION NAME — 68-70,73,76-81 YEARS — MAR MONTH

PAGE 1 — 0300-0500 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
56/ 55			.1		.1													2	2		
54/ 53		.1	.1	.1			.1											4	4		
52/ 51		1.4	.3															16	16	5	1
50/ 49		2.0		.1				.1										20	20	23	15
48/ 47		1.9	.2	.2														21	22	13	16
46/ 45		2.3	.7	.1														28	28	23	19
44/ 43	.1	2.9	.6	.3		.1												36	37	30	14
42/ 41	.2	4.0	1.9	.3														58	64	30	25
40/ 39	.6	4.7	1.7	.7	.1													70	76	62	35
38/ 37	.6	5.2	3.1	1.3		.1												93	96	62	49
36/ 35	.6	4.0	3.4	2.3	.3													96	99	76	57
34/ 33	.2	5.3	3.3	.7	.2													88	88	82	48
32/ 31		3.9	4.5	.6														81	82	88	64
30/ 29		3.1	5.6	.4	.2													85	87	76	58
28/ 27		2.2	1.9	1.3														49	49	79	58
26/ 25		1.4	2.4	.3														38	38	71	52
24/ 23		1.3	1.8															28	28	41	48
22/ 21		1.3	2.1	.6														36	36	48	38
/ 19	.1	.8	2.6															32	32	27	64
1 / 17		.4	.7															10	10	33	43
16/ 15		.2	.6															7	7	22	44
14/ 13		.2	.1															3	3	7	28
12/ 11		.3	.2															5	5	2	36
1 / 9																				4	9
/ 7																				2	10
/ 5																					14
/ 3																					27
/ 1																					13
/ -1																					10
- / -3																					8
- / -7																					1
- / -9																					2
TOTAL	2.3	49.0	37.9	9.4	1.0	.2	.1	.1										906	929	906	906

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5026542	65926	72.8	15.920	906							
Dry Bulb	1143987	31709	34.1	8.153	929		37.7					93
Wet Bulb	958585	28433	31.4	8.557	906		51.3					93
Dew Point	729847	23293	25.7	12.031	906	2.2	64.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 MAR
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
5/ 55			.2	.1														3	3		
54/ 53		.3	.1															4	4		
2/ 51		.9	.2	.2				.2										14	14	5	3
5/ 49	.2	2.3	.3	.1			.1											28	28	20	12
/ 47		2.2	.4	.4	.2		.1											31	31	25	21
4/ 45	.1	2.4	.7	.4	.1													34	37	25	25
4/ 43		2.2	1.7	.3	.2	.1												41	46	32	17
/ 41		4.2	2.6	1.3	.1	.1												76	81	40	26
4/ 39	.8	4.4	2.2	.9	.2	.2												79	84	65	31
3/ 37	.3	4.3	2.2	1.4		.1												76	78	75	56
/ 35	.4	3.8	3.8	2.9	.6													103	104	72	43
3/ 33		4.3	4.3	1.3	.1													91	91	70	60
2/ 31		2.9	2.9	2.2														72	74	88	59
/ 29		2.4	4.5	.6														68	68	78	58
/ 27		1.3	2.9	.9	.1													47	48	73	50
/ 25		1.0	1.8	.7														31	31	67	52
2/ 23		.8	1.4	.4														24	24	42	43
2/ 21		.9	2.0	.4														30	30	33	47
/ 19		.6	2.2															25	25	29	46
1/ 17	.1	.8	1.0															17	17	28	39
1/ 15	.2	.4	.1															7	7	23	49
1/ 13		.1	.1															2	2	11	45
1/ 11		.1	.1															2	2	1	28
/ 9			.1															1	1	2	12
/ 7																				2	17
6/ 5																					13
4/ 3																					22
/ 1																					14
/ -1																					10
-2/ -3																					5
-/ -7																					1
-/ -9																					2
TOTAL	2.2	42.6	37.9	14.7	1.7	.6	.2	.2										906	930	906	906

Element (X)	Σx²	Σx	X̄	σx	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4819925	64369	71.0	16.510	906							
Dry Bulb	1206124	32596	35.0	8.277	930		32.9					93
Wet Bulb	994425	28981	32.0	8.629	906		49.0					93
Dew Point	742913	23485	25.9	12.175	906	1.8	62.8					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 — OTIS AFB MA — 68-70,73,76-81 — MAR
STATION — STATION NAME — YEARS — MONTH

PAGE 1 — 0900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
78/ 77										.1								1	1		
70/ 69							.1											1	1		
64/ 63							.3											3	3		
62/ 61				.1		.1	.1											3	3		
60/ 59			.2	.2						.1								5	5	2	
58/ 57			.2	.1	.2	.2		.1	.3									11	11		
56/ 55		.4	.2	.2	.3	.1	.2	.1										15	15	4	
54/ 53		1.2	.1	.2	.4	.2	.3	.2										25	25	13	7
52/ 51		1.7	.3	.8	1.0	.3	.1	.1										39	41	18	13
50/ 49		1.2	.9	.9	.4	.9	.1	.2										42	45	22	16
48/ 47	.1	2.0	1.0	1.6	1.1	.9	.1											61	68	22	16
46/ 45	.1	2.6	1.9	1.9	1.3	.6	.1											76	81	42	21
44/ 43		1.9	1.7	2.4	1.3	.4	.1											71	75	51	19
42/ 41		2.0	1.8	2.6	2.3	.8												85	85	76	37
40/ 39	.2	1.7	1.0	2.6	2.3	1.1												80	81	76	37
38/ 37	.3	.6	1.8	2.8	1.3	.3												64	67	74	41
36/ 35		1.1	2.8	2.7	2.0	.2												79	79	55	54
34/ 33	.2	2.3	1.6	2.6	1.8													76	77	99	39
32/ 31		1.9	1.1	2.2	1.2													58	60	84	52
30/ 29		.4	1.2	1.4	.7													34	34	71	47
28/ 27		.4	1.8	1.3														32	32	56	58
26/ 25			.3	1.2														14	14	46	54
24/ 23		.1	.1	.3														5	5	42	51
22/ 21			.9	.7														14	14	16	45
20/ 19			.4															4	4	11	54
18/ 17			.2															2	2	14	43
16/ 15			.1															1	1	4	29
14/ 13																				2	45
12/ 11																				1	29
10/ 9																					19
8/ 7																					13
6/ 5																					19
4/ 3																					12
2/ 1																					19

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68 OTIS AFB MA 68-70,73,76-81 MAR
STATION STATION NAME YEARS MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ -1																					7
- / -3																					2
- / -5																					2
- / -7																					1
TOTAL	1.0	21.5	21.6	28.7	17.9	6.2	1.7	.8	.3	.2								901	929	901	901

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	3642688	54584	60.6	19.319	901							
Dry Bulb	1575636	37452	40.3	8.420	929		16.6	.2	.1			93
Wet Bulb	1183412	31778	35.3	8.341	901		35.8					93
Dew Point	774665	23897	26.5	12.510	901	1.2	62.0					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
725?68	OTIS AFB MA	68-70,73,76-81	MAR

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
78/ 77											.1							1	1		
76/ 75									.1									1	1		
74/ 73								.1										1	1		
68/ 67					.1				.1									2	2		
66/ 65							.2	.1										3	3		
64/ 63					.2	.1	.2	.2		.1								8	8		
62/ 61				.1			.2	.1		.2								6	6		
60/ 59			.6	.1	.3	.4	.1		.2									16	16	3	
58/ 57		.1	.2	.1	.3	.4	.1	.1	.2									15	15	4	
56/ 55		.6	.7	.3	.4	.6	.6		.1									29	29	9	
54/ 53		.9	.1	.3	.6	.7	.4	.3	.2									32	32	15	11
52/ 51		.8	.6	1.1	1.1	1.2	.6	.2										50	54	19	14
50/ 49		2.1	.4	1.2	2.7	.9	.3	.1										70	76	28	11
48/ 47	.1	1.7	.9	1.3	2.8	1.3	.7											79	88	36	17
46/ 45		1.1	1.2	.7	2.3	1.2	.2											61	63	39	27
44/ 43		1.9	1.1	1.3	1.3	2.0	.1											70	70	76	20
42/ 41		1.4	1.4	1.8	2.2	1.6	.2											78	78	74	20
40/ 39		.8	.6	3.1	3.4	.9	.1											80	83	71	38
38/ 37	.1	.2	1.8	2.4	2.1	.4												64	64	63	50
36/ 35		.7	2.3	1.4	2.3	.8												68	69	68	41
34/ 33		2.4	.7	1.9	1.6													59	61	101	38
32/ 31	.1	1.4	1.0	2.1	1.6													56	56	94	48
30/ 29		.3	.9	1.4	.3													27	27	64	69
28/ 27			.7	.8														13	13	46	66
26/ 25		.1	.1	.4														6	6	43	47
24/ 23			.1	.2														3	3	30	41
22/ 21			.2	.1														3	3	8	43
20/ 19																				7	68
18/ 17																				3	54
16/ 15																					37
14/ 13																					30
12/ 11																					27
10/ 9																					22
/ 7																					15

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION — OTIS AFB MA STATION NAME — 68-70,73,76-81 YEARS — MAR MONTH

PAGE 2 — 1200-1400 HOURS (L. S. T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
t/ 5																					11
-/ 3																					23
./ 1																					7
/ -1																					3
-./ -3																					1
-/ -5																					2
TOTAL	.3	16.5	15.5	22.4	25.7	12.5	4.1	1.3	1.0	.3	.1							901	928	901	901

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3176533	50513	56.1	19.568	901							
Dry Bulb	1778391	39829	42.9	8.625	928		10.8	.5	.3			93
Wet Bulb	1279606	33170	36.8	8.060	901		30.4					93
Dew Point	780110	24168	26.8	12.103	901	.6	63.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725[illegible]68 OTIS AFB MA 68-70,73,76-81 MAR
STATION STATION NAME YEARS MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
68/ 67					.1	.1			.2									4	4		
66/ 65				.1			.1	.1										3	3		
64/ 63					.1		.2											3	3		
62/ 61				.1			.2	.1		.1								5	5		
60/ 59			.1			.1	.2	.1	.1	.1								7	7	2	
58/ 57			.2	.1	.2	.3	.2	.1										11	11	1	
56/ 55		.7	.1	.1	.3	.1	.1											13	13	4	1
54/ 53		1.2	.7	.6	.7	.7	.3	.2										39	41	10	7
52/ 51	.1	.9	1.1	.4	.7	.8	.2	.1										39	40	21	10
50/ 49		.7	1.0	1.2	1.2	1.5	.3	.1										55	62	25	13
48/ 47		1.9	.9	2.0	2.3	1.5	.1											79	84	30	16
46/ 45	.2	1.3	1.9	1.8	1.8	1.2	.3											77	79	45	23
44/ 43		1.3	.8	2.1	1.5	1.2	.1											64	64	50	18
42/ 41	.1	1.3	1.8	1.9	3.6	1.0	.1											89	90	82	31
40/ 39		2.2	1.7	3.0	2.0	1.2												91	94	75	35
38/ 37		.3	1.9	3.2	1.8	.2												67	69	79	43
36/ 35		.3	2.3	2.5	1.9	.7												70	71	60	40
34/ 33		1.9	2.0	2.3	1.7	.2												73	73	103	45
32/ 31	.2	3.2	.9	1.7	1.0													63	63	106	49
30/ 29		.2	.9	1.1	1.2													31	31	77	69
28/ 27		.1	.3	.9														12	12	49	84
26/ 25			.3	.4														7	7	40	67
24/ 23		.1																1	1	24	34
22/ 21																				17	52
20/ 19			.2															2	2	3	64
18/ 17			.1															1	1		32
16/ 15																				2	35
14/ 13																				1	39
12/ 11																					22
10/ 9																					10
8/ 7																					17
6/ 5																					11
4/ 3																					17
2/ 1																					16

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | MAR 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
0 / -1																					5
-2 / -3																					1
TOTAL	.7	17.7	19.1	25.5	22.1	10.9	2.6	.9	.3	.2								906	930	906	906

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	3420305	52849	58.3	19.311	906							
Dry Bulb	1690811	38953	41.9	7.987	930		11.7	.4				93
Wet Bulb	1244179	32845	36.3	7.686	906		32.7					93
Dew Point	783536	24418	27.0	11.773	906	.6	64.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 MAR
STATION STATION NAME YEARS MONTH

PAGE 1 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
56/ 55	.1								.1									2	2	1	1
54/ 53	.2	.3		.3	.1	.1												10	10	2	2
52/ 51	.1	1.8	.7	.3	.3	.1		.1										31	32	7	4
50/ 49		1.3	1.0	.2	.7	.1												30	33	20	13
48/ 47		2.2	.7	.8	.4													37	39	21	11
46/ 45	.1	2.8	.9	1.1	.9	.2	.1											55	56	32	21
44/ 43		2.1	2.3	1.9	.6	.4												66	68	45	20
42/ 41	.1	2.1	2.1	2.4	.7	.7												73	77	42	34
40/ 39		3.5	4.3	2.2	2.0	.2												111	117	65	33
38/ 37		3.4	2.7	2.5	.6													83	85	79	42
36/ 35	.1	2.3	5.2	3.1	1.3													109	113	98	40
34/ 33		2.4	4.0	2.4	1.1													90	90	92	46
32/ 31	.3	3.7	3.1	1.8	1.5													94	94	104	74
30/ 29		1.3	2.0	1.3	.9													50	50	100	79
28/ 27		.6	.9	.9	.3													24	24	66	78
26/ 25		.6	.8	1.3														24	24	49	64
24/ 23			.3	.2														5	5	36	48
22/ 21		.1	.3	.1														5	5	24	45
20/ 19		.1	.1															2	2	12	55
18/ 17																				6	36
16/ 15			.1															1	1		35
14/ 13		.1	.1															2	2		25
12/ 11																				3	19
10/ 9																					17
8/ 7																					10
6/ 5																					9
4/ 3																					11
2/ 1																					23
0/ -1																					5
-2/ -3																					2
-4/ -5																					2
TOTAL	1.1	30.8	31.5	23.0	11.4	1.9	.1	.1	.1										929		904
																		904		904	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4282167	60045	66.4	18.041	904							
Dry Bulb	1387111	35321	38.0	6.901	929		20.7					93
Wet Bulb	1096387	30785	34.1	7.293	904		41.2					93
Dew Point	768729	24291	26.9	11.335	904	.9	65.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION   OTIS AFB MA STATION NAME   68-70,73,76-81 YEARS   MAR MONTH

PAGE 1   2100-2300 HOURS (L. S. T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 57			.1		.1													2	2		
4/ 53		.2																2	2	1	
2/ 51		.7	.7	.3														15	15	3	1
5 / 49	.1	1.7	.4	.1	.1													22	25	11	7
/ 47		3.1	.6	.2														35	35	20	11
4/ 45	.1	2.3	.6	.2	.1	.2	.1											33	33	45	28
4/ 43		2.8	2.9	1.7	.2													68	70	27	22
/ 41	.3	3.4	2.4	1.1	.3													69	73	43	37
4 / 39	.2	3.8	2.3	2.1	.6													81	84	65	35
3 / 37	.1	4.5	2.1	1.9	.3													81	83	70	43
/ 35	.1	4.4	5.4	1.7	.4													109	114	69	50
34/ 33	.2	4.6	4.2	1.7	.3													100	103	104	47
2/ 31	.4	2.2	5.6	1.4	1.2													99	100	103	71
/ 29	.3	3.4	3.1	1.2	.7													79	80	90	68
2 / 27		1.3	1.2	2.3														44	44	81	65
/ 25	.1	.4	.9	.9														21	21	60	78
2/ 23	.1	.9	.6	.4														18	18	39	44
22/ 21		.2	1.1	.1														13	13	32	58
/ 19		.1	.6															6	6	19	53
1/ 17		.4																4	4	13	32
1 / 15		.1																1	1	6	34
14/ 13																				1	22
1/ 11		.3																3	3		15
1/ 9																				3	10
/ 7																					12
/ 5																					16
4/ 3																					14
/ 1																					18
/ -1																					9
-/ -3																					3
-4/ -5																					2
TOTAL	2.2	41.0	34.7	17.3	4.4	.2	.1												929		905
																		905		905	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4779486	63976	70.7	16.858	905							93
Dry Bulb	1258811	33555	36.1	7.103	929		29.0					93
Wet Bulb	1033479	29811	32.9	7.547	905		45.9					93
Dew Point	765029	24261	26.8	11.262	905	1.4	64.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68	OTIS AFB MA	68-70,73,76-81	MAR
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
7 / 77										.0	.0							2	2		
76/ 75									.0									1	1		
74/ 73								.0										1	1		
70/ 69							.0											1	1		
68/ 67					.0	.0			.0									6	6		
66/ 65				.0			.0	.0										6	6		
64/ 63					.0	.0	.1	.0		.0								14	14		
62/ 61				.0		.0	.1	.0		.0								14	14		
60/ 59			.1	.0	.0	.1	.0	.0	.0	.0								28	28	7	
58/ 57		.0	.1	.0	.1	.1	.0	.0	.1									39	39	5	
56/ 55	.0	.2	.2	.1	.2	.1	.1	.0	.0									64	64	18	2
54/ 53	.0	.6	.1	.2	.2	.2	.2	.1	.0									118	121	41	27
52/ 51	.0	1.2	.6	.4	.4	.3	.1	.1										225	233	80	47
50/ 49	.0	1.6	.6	.5	.6	.4	.1	.1										284	307	167	96
4 / 47	.0	2.2	.6	.8	.9	.5	.1											367	392	185	123
46/ 45	.1	2.2	1.1	.8	.8	.5	.1											399	412	284	183
44/ 43	.0	2.3	1.5	1.3	.6	.6	.0											460	474	342	156
42/ 41	.1	2.6	2.0	1.5	1.2	.5	.0											572	599	417	239
4 / 39	.2	3.4	2.0	2.0	1.4	.5	.0											685	718	536	274
3 / 37	.2	2.9	2.3	2.1	.8	.2												612	626	577	365
36/ 35	.2	2.7	3.7	2.2	1.1	.2												735	755	561	390
34/ 33	.1	3.5	3.0	1.9	.9	.0												677	683	748	374
32/ 31	.2	2.8	2.9	1.7	.9													609	615	760	486
30/ 29	.1	1.6	2.8	1.2	.5													444	450	634	489
2 / 27	.0	1.2	1.5	1.2	.1													284	285	530	532
26/ 25	.0	.7	1.1	.9														192	192	448	473
24/ 23	.0	.5	.6	.2														98	98	302	352
22/ 21		.4	1.0	.3														128	128	214	381
20/ 19	.0	.2	.9															84	84	135	460
18/ 17	.0	.2	.3															43	43	125	337
1 / 15	.0	.1	.1															20	20	64	290
14/ 13		.1	.1															8	8	28	252
1 / 11		.1	.0															13	13	9	205
10/ 9			.0															1	1	13	112

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725[illegible]68	OTIS AFB MA	68-70,73,76-81	MAR
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
/ 7																				4	104
/ 5																					102
/ 3																					151
/ 1																					121
/ -1																					63
-/ -3																					30
-/ -5																					11
-/ -7																					3
- / -9																					4
TOTAL	1.4	33.3	29.2	19.4	10.7	4.1	1.1	.4	.2	.1	.0								7433		7234
																		7234		7234	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	34074380	477382	66.0	18.854	7234							
Dry Bulb	11225976	281838	37.9	8.520	7433		193.9	1.1	.4			744
Wet Bulb	8773731	244731	33.8	8.267	7234		335.9					744
Dew Point	6087073	191451	26.5	11.877	7234	11.4	509.9					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
725[illegible]68	OTIS AFB MA	68-70,73,76-81	APR

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		.1																1	1		
/ 59	.1	.4		.2														7	7	4	3
/ 57		.8	.6	.2	.1													15	15	5	6
5 / 55		1.7	.1	.4	.1		.1											22	22	13	2
4/ 53	.1	1.3	1.0	.2	.1	.1	.1											27	27	22	17
2/ 51	.6	1.2	1.6	.6	.3	.2												40	40	18	22
5 / 49	.3	3.1	2.6	.9	.2	.2												66	66	28	17
/ 47	.2	3.3	2.0	1.8		.2												68	68	63	23
4 / 45		3.1	2.7	2.0	.3	.2												75	75	49	48
4/ 43		4.3	4.2	3.0	.4	.1												109	109	79	49
2/ 41		6.3	4.9	2.6	.1		.1											126	126	81	57
4 / 39	.4	3.4	4.6	2.4	.6													103	103	110	54
3 / 37	.4	2.7	2.1	1.2														58	58	119	79
/ 35	.1	2.6	1.2	2.3	.3													59	59	88	80
3/ 33	.1	2.1	1.2	1.4	.6													49	49	63	76
2/ 31	.4	2.8	.9	1.0	.2													48	48	50	105
/ 29		.4	.4	.8														15	15	50	49
2 / 27		.2	.3	.1														6	6	27	52
/ 25				.6														5	5	14	37
2/ 23			.1															1	1	11	13
2/ 21																				2	32
/ 19																				4	29
1 / 17																					12
1 / 15																					5
1 / 13																					6
1 / 11																					7
1 / 9																					7
/ 7																					6
/ 5																					5
/ 3																					2
TOTAL	2.9	40.0	30.4	21.8	3.4	1.1	.3												900		900
																		900		900	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5216168	67164	74.6	15.062	900	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1662821	38185	42.4	6.893	900		7.5					90
Wet Bulb	1432653	35313	39.2	7.237	900		15.8					90
Dew Point	1158611	31037	34.5	9.910	900		36.7					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725168 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | APR 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						.2												2	2		
/ 61		.2			.1													3	3		
/ 59		.3		.2	.1													6	6	2	1
/ 57	.1	.6	.1	.1														8	8	5	5
5/ 55	.1	.8	.7															14	14	6	5
4/ 53	.3	2.2	1.3	.1	.2	.1												39	39	29	17
2/ 51	.1	1.8	1.4	.4	.2													36	36	22	11
5/ 49	.6	3.0	1.1	.6	.3													50	50	31	28
/ 47	.1	4.4	1.6	.3	.6	.1												64	64	53	34
4/ 45		2.9	1.2	1.0	.8	.2												55	55	56	54
4/ 43		4.8	3.3	1.6	.4													91	91	59	40
2/ 41	.1	4.7	5.8	2.4	.3													120	120	57	53
4/ 39	.1	5.5	5.0	1.6	.4													113	114	82	38
3/ 37	.2	4.3	3.4	2.6														95	95	143	59
/ 35		2.7	1.7	1.1	.1													50	50	107	72
3/ 33		2.1	1.4	1.1	.2													44	44	57	98
2/ 31	.1	2.6	1.7	1.7														54	54	59	96
/ 29	.7	.9	.9	.7														28	28	50	53
/ 27		.8	.8															14	14	33	52
/ 25		.2	.3															5	5	27	46
2/ 23		.2	.3															5	5	11	18
2/ 21			.2															2	2	4	28
/ 19			.1															1	1	3	35
1/ 17																				3	12
1/ 15																					10
1/ 13																					10
1/ 11																					6
/ 9																					10
/ 7																					2
/ 5																					6
TOTAL	2.6	44.9	32.5	15.5	3.9	.7													900		899
																		899		899	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5381848	68288	76.0	14.724	899							
Dry Bulb	1597566	37348	41.5	7.285	900		10.9					90
Wet Bulb	1386214	34642	38.5	7.560	899		19.0					90
Dew Point	1135357	30645	34.1	10.052	899		38.4					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 APR
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
72/ 71							.1											1	1		
70/ 69					.1													1	1		
68/ 67					.1													1	1		
66/ 65			.1															1	1		
64/ 63				.1	.2													3	3		
62/ 61		.3		.3			.1											7	7	2	
60/ 59	.1	.1	.3	.3	.2	.1	.1											12	12	6	3
58/ 57		.4	.7	.6	.1	.1		.1										18	18	5	6
56/ 55		1.1	.7	.3	.4	.2	.1	.1										27	27	10	2
54/ 53	.1	1.6	1.8	.7	.9	.2	.2											49	49	26	11
52/ 51	.3	2.0	2.0	.7	1.2	.2	.3											61	61	31	24
50/ 49		3.2	2.2	.9	.8	1.0	.3											76	76	47	31
48/ 47		3.0	1.8	2.6	1.7	.9												89	89	66	49
46/ 45		3.4	3.4	2.2	1.1	.4	.1											97	97	56	38
44/ 43	.2	3.4	3.4	3.2	.8	.1												101	101	89	44
42/ 41	.1	2.9	3.3	3.0	1.9	.1												102	102	97	64
40/ 39	.2	4.0	2.2	1.2	1.0	.1												79	79	120	51
38/ 37	.2	2.2	2.0	2.8	1.2	.1												77	77	98	75
36/ 35	.1	.4	.7	1.4	.2													26	26	70	79
34/ 33	.1	1.0	.6	1.4														28	28	52	66
32/ 31		.9	.8	1.0	.1													25	25	44	79
30/ 29		.2	.2	.1														5	5	36	59
28/ 27		.1	.3	.3														7	7	20	29
26/ 25			.2	.1														3	3	13	40
24/ 23			.3															3	3	3	19
22/ 21																				4	30
20/ 19			.1															1	1	4	39
18/ 17																				1	23
16/ 15																					8
14/ 13																					13
12/ 11																					4
10/ 9																					6
8/ 7																					3
6/ 5																					4

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 APR
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-/ 3																					1
TOTAL	1.6	30.4	27.2	23.3	12.1	3.7	1.4	.2											900		900
																		900		900	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4669380	62984	70.0	17.059	900							
Dry Bulb	1835047	40121	44.6	7.192	900		4.4	.3				90
Wet Bulb	1523420	36438	40.5	7.320	900		12.5					90
Dew Point	1179382	31230	34.7	10.318	900		35.7					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725768 OTIS AFB MA 68-70,73,76-81 APR
STATION STATION NAME YEARS MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
82/ 81								.1										1	1		
/ 79								.1	.1									2	2		
78/ 77									.1									1	1		
76/ 75								.1	.1									2	2		
74/ 73					.1	.1	.3	.2	.1									8	8		
72/ 71							.1											1	1		
70/ 69				.1		.2			.1		.2							6	6		
68/ 67			.1		.1	.2	.1		.1									6	6	2	
66/ 65			.1	.1	.4	.2	.6	.2	.1									16	16	2	
64/ 63			.1	.2	.9	.7	.6	.8	.1									30	30	4	
62/ 61			.2	.4	.9	.4	.7	.3	.3	.2								32	32	7	1
60/ 59	.3	.2	.2	.9	.9	.3	.6	.4	.3	.1								39	39	12	8
58/ 57	.2	.6	.6	.9	1.1	.9	.7	1.0										53	53	20	6
56/ 55		.7	1.3	1.1	.9	1.7	1.2	.9										70	70	24	7
54/ 53	.3	1.2	.9	1.1	2.1	1.1	1.3	.1										74	74	45	19
52/ 51	.1	1.4	1.2	1.6	2.1	3.2	1.8	.2										105	106	51	32
50/ 49		1.0	.3	1.8	3.0	2.2	.9	.1										84	84	70	37
48/ 47		2.2	1.1	1.7	2.0	1.3	1.1	.1										86	86	48	35
46/ 45		2.8	.8	3.0	1.6	1.2	.7											90	90	101	45
44/ 43		1.8	1.2	2.2	1.3	1.6	.2											75	75	104	57
42/ 41		.9	1.2	.4	1.1	1.9												50	50	109	37
40/ 39	.1	1.0	.4	.1	1.3	.4												31	31	95	52
38/ 37		.2	.1	.7	.6	.1												15	15	69	56
36/ 35			.2	.2	.2	.1												7	7	41	61
34/ 33		.2			.4													6	6	41	64
32/ 31		.2			.4													6	6	31	74
30/ 29				.2														2	2	8	55
28/ 27																				7	33
26/ 25				.1														1	1	1	33
24/ 23																				6	35
22/ 21																					32
20/ 19																				1	35
18/ 17																					24
16/ 15																					27

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION — OTIS AFB MA STATION NAME — 68-70,73,76-81 YEARS — APR MONTH

PAGE 2 — 0900-1100 HOURS (L. S. T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
14/ 13																					9
12/ 11																					9
10/ 9																					5
8/ 7																					2
6/ 5																					3
4/ 3																					4
2/ 1																					2
TOTAL	1.1	14.5	10.2	16.9	21.6	18.0	10.8	4.8	1.6	.3	.2								900		899
																		899		899	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	3244256	50954	56.7	19.918	899							
Dry Bulb	2378650	45700	50.8	8.039	900		.9	2.7	1.4	.3		90
Wet Bulb	1770171	39323	43.7	7.473	899		5.4	.2				90
Dew Point	1187308	30992	34.5	11.506	899		38.2					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 — STATION
OTIS AFB MA — STATION NAME
68-70,73,76-81 — YEARS
APR — 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
84/ 83										.1								1	1		
82/ 81								.1	.1	.1								3	3		
80/ 79								.2		.2								4	4		
78/ 77									.2									2	2		
76/ 75								.3	.2									5	5		
74/ 73						.1	.1	.3	.1									6	6		
72/ 71					.1	.1	.1											3	3		
70/ 69				.1			.1	.2		.2	.2							8	8		
68/ 67			.2	.1	.2	.4	.4	.6	.4	.3								25	25	1	
66/ 65			.1	.3	.3	.3	.8	.8	.1									25	25	5	
64/ 63				.8	.9	.9	.3	.6	.4	.4								39	39	6	
62/ 61			.3	.4	.4	.7	.9	1.0	.6	.4								43	43	12	1
60/ 59	.1	.2	.7	.6	.3	1.6	1.0	1.3	.6	.2								59	59	15	7
58/ 57	.2	.1	.2	.7	1.4	.6	1.1	2.0	.2									59	59	25	7
56/ 55	.2	1.2	1.0	1.6	1.0	.6	2.2	.8	.3									80	80	32	14
54/ 53	.1	.7	.8	.6	1.7	1.9	1.9	.3	.4									75	75	43	24
52/ 51		.7	.6	1.2	1.8	2.1	2.4	.8	.1									87	88	50	25
50/ 49		1.2	1.0	1.8	1.4	2.7	1.1	.3										86	86	74	31
48/ 47		2.8	.8	1.7	.8	1.1	1.3											76	76	73	32
46/ 45		.9	1.7	1.8	1.8	.9	1.6											77	77	93	60
44/ 43		1.4	.9	1.1	1.8	.9	.1											56	56	109	29
42/ 41		1.0	1.7	.8	.7	.8	.1											45	45	109	59
40/ 39		.2	.2	.3	.6													12	12	82	47
38/ 37			.4		.2	.4												10	10	69	53
36/ 35		.2	.1		.1	.3												7	7	43	58
34/ 33		.2			.2													4	4	29	58
32/ 31					.1													1	1	15	68
30/ 29																				3	67
28/ 27																				6	47
26/ 25																				4	36
24/ 23																					30
22/ 21																					34
20/ 19																					38
18/ 17																					12

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | APR MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
1 / 15																					20
14/ 13																					21
1 / 11																					6
/ 9																					3
/ 7																					4
/ 5																					5
/ 3																					2
TOTAL	.7	10.9	10.7	13.8	15.9	16.4	15.7	9.7	3.9	2.1	.2								899		898
																		898		898	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	2886061	47543	52.9	20.282	898							
Dry Bulb	2588849	47645	53.0	8.427	899		.1	5.7	2.1	.6		90
Wet Bulb	1855425	40287	44.9	7.317	898		2.8	.1				90
Dew Point	1185417	30985	34.5	11.386	898		39.4					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 168	OTIS AFB MA	68-70,73,76-81	APR
STATION	STATION NAME	YEARS	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
4/ 83										.1								1	1		
/ 79									.1									1	1		
7 / 77							.2											2	2		
76/ 75							.1		.3									4	4		
74/ 73								.2	.1									3	3		
/ 71							.1	.1										2	2		
7 / 69					.1		.1											2	2		
6 / 67						.1	.8	.1										9	9		
6/ 65				.4	.3	.3	.1	.3	.1									15	15	3	
4/ 63			.4	.7	.3	.3	.8	.7		.3								32	32	2	
2/ 61		.2		.9	.4	.6	1.0	.4	.3	.1								36	36	5	
/ 59	.2	.4	.3	1.1	.7	1.2	1.0	.9	.2									55	55	17	6
5 / 57	.1	.7	.8	.7	1.3	1.1	1.3	.7	.4									64	64	19	10
56/ 55		1.0	.9	.8	1.0	2.1	2.6	1.0	.1									85	85	31	8
4/ 53	.2	.8	.8	.7	1.1	2.9	2.0	.4	.3									83	83	41	21
2/ 51	.1	.6	.8	1.8	1.3	2.4	1.7	.3	.3									84	84	48	27
5 / 49	.3	1.1	1.0	2.2	2.4	3.3	.8	.2										103	103	62	30
4 / 47		1.6	.9	1.2	1.7	1.8	.6											69	69	63	34
4 / 45		1.4	1.3	.7	1.9	1.8	1.0											73	73	103	46
44/ 43		2.7	1.9	1.6	1.3	1.0	.2											78	79	109	30
42/ 41		1.1	1.1	.9	1.3	.3	.1											44	44	119	52
4 / 39	.1	.2	1.2	.7	.6	.2												27	27	96	58
3 / 37		.6	.7		.2	.7												19	19	67	59
3 / 35		.3	.2		.1	.1												7	7	57	62
3 / 33																				36	60
2/ 31																				11	65
/ 29																				4	72
2 / 27																				5	64
2 / 25																					47
24/ 23																					27
2/ 21																					32
2 / 19																					34
1 / 17																					12
1 / 15																					8

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 APR
STATION STATION NAME YEARS 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
1-/ 13																					8
1 / 11																					8
1 / 9																					6
/ 7																					4
/ 5																					5
/ 3																					2
/ 1																					1
TOTAL	1.1	12.7	12.4	14.3	16.3	20.4	14.5	5.5	2.4	.6									899		898
																		898		898	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3128647	49839	55.5	20.105	898	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2443124	46364	51.6	7.610	899			2.4	1.1	.1		90
Wet Bulb	1793384	39658	44.2	6.841	898		2.0					90
Dew Point	1178014	31024	34.5	10.881	898		39.6					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725768 — STATION
OTIS AFB MA — STATION NAME
68-70,73,76-81 — YEARS
APR — MONTH

PAGE 1 — 1800-2000 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69						.1												1	1		
68/ 67						.1												1	1		
66/ 65				.1			.1											2	2		
64/ 63				.1	.2	.1			.1									5	5		
62/ 61		.3	.2	.1	.4	.3		.1	.1									15	15	1	
60/ 59	.2	.4	.1	.2	.2	.2	.1	.1										15	15	7	4
58/ 57		.9	.4	.4	.3	.1		.1										21	21	9	3
56/ 55		.8	1.3	.9	.9	.3		.1										39	39	13	9
54/ 53	.1	1.8	1.2	1.0	.9	1.0	.3	.2										59	59	23	12
52/ 51	.6	1.3	1.8	1.4	1.6	1.0	.4											73	73	47	28
50/ 49	.2	2.0	2.4	2.2	2.3	1.0	.6											97	97	42	28
48/ 47		2.6	2.7	2.7	3.2	.6	.2	.2										109	109	63	31
46/ 45		2.9	2.4	3.2	2.6	.3												103	103	66	51
44/ 43	.1	2.2	4.7	3.6	1.2	.8	.4											117	117	95	38
42/ 41	.2	2.8	2.6	2.6	1.2	.3	.1											88	88	128	57
40/ 39	.1	1.7	2.8	1.2	1.4	.2												67	67	125	77
38/ 37		1.6	1.4	1.0	.4	.4												44	44	97	59
36/ 35		.7	.8	.8	.4	.3												27	27	72	69
34/ 33		.2	.7	.2	.3													13	13	43	61
32/ 31		.1	.1	.1														3	3	32	100
30/ 29																				21	83
28/ 27																				12	40
26/ 25																				3	31
24/ 23																					23
22/ 21																					19
20/ 19																					34
18/ 17																					8
16/ 15																					9
14/ 13																					2
12/ 11																					4
10/ 9																					9
8/ 7																					4
4/ 3																					2
2/ 1																					4

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION　OTIS AFB MA STATION NAME　68-70,73,76-81 YEARS　APR MONTH

PAGE 2　1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
T TAL	1.6	22.2	25.7	21.9	17.8	7.3	2.3	.9	.2									899	899	899	899

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4230132	59546	66.2	17.848	899							
Dry Bulb	1987747	41883	46.6	6.374	899		.3	.2				90
Wet Bulb	1602672	37502	41.7	6.528	899		6.8					90
Dew Point	1191324	31462	35.0	10.026	899		37.2					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 APR
STATION STATION NAME YEARS 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
62/ 61			.1	.1		.1												3	3		
60/ 59	.1	.6	.2															8	8	1	1
58/ 57	.2	.6	.1	.8	.1			.1										17	17	9	8
56/ 55		1.3	.4	.6		.1	.4											26	26	8	1
54/ 53		2.1	1.1	.2	.1		.1											33	33	15	13
52/ 51	.4	1.0	1.8	.6	.7													40	40	37	20
50/ 49	.1	3.6	3.8	.8	.6	.1												80	80	32	23
48/ 47	.2	2.2	2.9	2.6	.3	.3	.1											78	78	65	37
46/ 45		4.3	3.5	1.7	.7	.2												93	93	66	43
44/ 43		4.3	4.7	3.0	.9	.1												117	117	78	48
42/ 41	.1	5.1	5.6	2.8	1.0	.1												132	132	99	67
40/ 39	.3	3.0	4.2	.9	1.2	.2												89	89	116	71
38/ 37	.4	3.1	2.8	.8	.4													68	68	125	79
36/ 35	.1	.9	1.3	.9	.3	.2												34	34	79	91
34/ 33	.2	1.4	1.4	1.0	.6	.1												43	43	54	71
32/ 31		1.9	.3	.1	.3													24	24	38	87
30/ 29		.3	.1	.4														8	8	39	50
28/ 27		.2		.3														5	5	16	49
26/ 25																				14	39
24/ 23																				6	21
22/ 21																				1	10
20/ 19																					20
18/ 17																					16
16/ 15																					5
14/ 13																					6
12/ 11																					6
10/ 9																					4
8/ 7																					4
6/ 5																					3
4/ 3																					4
2/ 1																					1
TOTAL	2.3	36.1	34.4	17.5	7.2	1.7	.7	.1											898		898
																		898		898	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5065824	66018	73.5	15.388	898							
Dry Bulb	1748818	39204	43.7	6.447	898		3.7					90
Wet Bulb	1491147	36081	40.2	6.797	898		11.4					90
Dew Point	1196788	31626	35.2	9.618	898		32.6					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 APR
STATION STATION NAME YEARS MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
4/ 83										.0								2	2		
/ 81								.0	.0	.0								4	4		
/ 79								.0	.0	.0								7	7		
7/ 77							.0		.0									5	5		
6/ 75							.0	.1	.1									11	11		
4/ 73					.0	.0	.1	.1	.0									17	17		
/ 71					.0	.0	.1	.0										7	7		
/ 69				.0	.0	.0	.0	.0	.0	.0	.1							18	18		
5 / 67			.0	.0	.1	.1	.2	.1	.1	.0								42	42	3	
6/ 65			.0	.1	.1	.1	.2	.2	.0									59	59	10	
4/ 63			.1	.2	.3	.3	.2	.3	.1	.1								111	111	12	
/ 61		.2	.1	.3	.3	.3	.3	.2	.2	.1								140	140	27	2
/ 59	.2	.3	.2	.4	.3	.4	.3	.3	.1	.0								201	201	64	33
/ 57	.1	.6	.4	.5	.6	.3	.4	.5	.1									255	255	97	51
5 / 55	.0	1.1	.8	.7	.5	.6	.8	.4	.1									363	363	137	48
4/ 53	.2	1.5	1.1	.6	.9	.9	.8	.1	.1									439	439	244	134
2/ 51	.3	1.3	1.4	1.0	1.2	1.2	.8	.2	.1									526	528	304	189
5/ 49	.2	2.3	1.8	1.4	1.4	1.3	.5	.1										642	642	386	225
/ 47	.1	2.8	1.7	1.8	1.3	.8	.4	.0										639	639	494	275
4/ 45		2.7	2.1	1.9	1.3	.7	.4											663	663	590	365
4/ 43	.0	3.1	3.0	2.4	1.0	.6	.1											744	745	722	335
42/ 41	.1	3.1	3.3	1.9	1.0	.4	.1											707	707	799	446
4 / 39	.2	2.4	2.6	1.1	.9	.2												521	522	826	448
3 / 37	.2	1.8	1.6	1.1	.4	.2												386	386	787	519
/ 35	.0	1.0	.8	.8	.2	.1												217	217	557	572
34/ 33	.1	.9	.7	.7	.3	.0												187	187	375	554
2/ 31	.1	1.1	.5	.5	.2													161	161	280	674
3/ 29	.1	.2	.2	.3														58	58	211	488
/ 27		.2	.2	.1														32	32	126	366
/ 25		.0	.1	.1														14	14	76	309
2/ 23		.0	.1															9	9	37	186
2/ 21			.0															2	2	11	217
/ 19			.0															2	2	12	264
1/ 17																				4	119

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
1·/ 15																					92
14/ 13																					75
1·/ 11																					50
1 / 9																					50
·/ 7																					29
·/ 5																					31
·/ 3																					17
·/ 1																					8
TOTAL	1.7	26.5	22.9	18.1	12.3	8.6	5.7	2.6	1.0	.4	.1							7191	7195	7191	7191

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	33822316	472336	65.7	19.724	7191							
Dry Bulb	16242622	336450	46.8	8.417	7195		27.8	11.3	4.6	1.0		720
Wet Bulb	12655086	299244	41.6	7.481	7191		75.8	.3				720
Dew Point	9412201	249001	34.6	10.483	7191		297.9					720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
72 68	OTIS AFB MA	68-70,73,76-81	MAY

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

Temp.	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
7 / 69				.1														1	1		
66/ 65	.1	.5	.3			.1												10	10	2	2
64/ 63	.6	.6	.2															14	14	12	10
62/ 61	.9	1.3	.6	.1		.1												28	28	20	11
/ 59	.9	2.7	1.8	.6	.1	.2												59	59	30	25
/ 57	.2	4.2	1.4	.4	.3													61	61	37	26
5 / 55	.2	5.2	2.0	1.7	.1													86	86	53	39
4/ 53	.5	4.2	4.7	1.6	.2	.1												106	106	82	61
2/ 51	.3	3.4	4.2	1.5	.5													93	93	66	69
5 / 49	.2	6.1	4.8	.9	.8													119	119	112	62
/ 47		6.5	4.2	1.5	.5		.1											119	119	120	74
4 / 45		4.2	4.3	1.2	.4	.2												96	96	109	113
4/ 43	.1	2.2	2.5	1.2	.4	.1												60	60	85	83
2/ 41		.9	1.5	.3	.2													27	27	73	82
4 / 39		1.8	.4	.1														22	22	53	69
3 / 37		.5	.5	.3	.1													14	14	33	56
/ 35		.5	.1	.4	.1													11	11	20	53
3 / 33		.1	.1															2	2	10	26
2/ 31		.2																2	2	7	25
/ 29																				6	11
/ 27																					12
/ 25																					2
/ 23																					3
2/ 21																					8
/ 19																					4
1 / 17																					1
1 / 15																					1
1 / 13																					2
TOTAL	4.1	45.2	33.9	12.0	3.9	.9	.1												930		930
																		930		930	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6176065	74927	80.6	12.252	930							
Dry Bulb	2426890	47150	50.7	6.263	930		.2	.1				93
Wet Bulb	2169268	44472	47.8	6.775	930		1.3					93
Dew Point	1928888	41598	44.7	8.571	930		6.9					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 MAY
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
66/ 65	.1	.2	.2															5	5	3	3
64/ 63	.6	.6	.3			.1												16	16	6	6
62/ 61	.9	.9	.6			.1	.1											24	24	17	9
60/ 59	.9	3.1	1.0	.4	.2	.1												53	53	29	25
58/ 57	.3	3.7	1.4	.4	.2													56	56	36	26
56/ 55	.3	5.3	2.8	1.0	.1		.1											89	89	52	48
54/ 53	.5	4.7	3.2	1.9														97	97	73	45
52/ 51		3.8	3.9	1.7	.1													88	88	77	69
50/ 49	.1	5.6	4.6	1.4	.5													114	114	83	66
48/ 47		6.2	3.3	1.3	.4													105	105	135	49
46/ 45		5.4	3.8	1.2	.3	.3												102	102	101	104
44/ 43		3.5	2.2	.9	.1													62	62	86	100
42/ 41	.2	1.7	1.8	.4	.4													43	43	82	83
40/ 39		1.0	1.2	.5	.2													27	27	49	82
38/ 37		1.5	.8	.2														23	23	33	61
36/ 35		.6	.4	.8														17	17	32	37
34/ 33		.3	.2															5	5	15	24
32/ 31		.1																1	1	9	29
30/ 29		.2																2	2	11	19
28/ 27	.1																	1	1	1	16
26/ 25																					9
24/ 23																					1
22/ 21																					12
20/ 19																					4
16/ 15																					3
TOTAL	4.1	48.5	31.7	12.2	2.7	.6	.2												930		930
																		930		930	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6267758	75510	81.2	12.136	930							
Dry Bulb	2357577	46421	49.9	6.600	930		.4					93
Wet Bulb	2115272	43868	47.2	7.040	930		2.1					93
Dew Point	1886212	41082	44.2	8.770	930		9.3					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725063 STATION OTIS AFB MA STATION NAME 68-70,73,76-81 YEARS MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
/ 79						.1												1	1		
74/ 73					.1	.1												2	2		
72/ 71				.2		.2		.1										5	5		
70/ 69				.1	.2			.1										4	4	1	
68/ 67		.2		.1	.3	.1	.2											9	9	3	
66/ 65	.2	.6	.9	.3	.2	.3	.1	.2										27	27	5	5
64/ 63	.3	1.0	.5	.5	.4	.4	.3	.1	.1									35	35	13	8
62/ 61	.3	2.0	1.1	1.2	.6	.9	.5	.3										65	65	28	15
60/ 59	.5	3.1	2.4	1.1	1.2	.9	.3											88	88	45	35
58/ 57	.4	2.0	2.7	2.2	1.6	1.1	.4											97	97	55	37
56/ 55	.2	4.7	2.5	2.7	1.6	.4	.1	.1										115	115	62	40
54/ 53	.3	3.4	2.7	2.2	1.7	.3	.3	.2										104	104	98	65
52/ 51		3.4	3.1	2.5	.9	.6	.1											99	99	105	70
50/ 49	.1	4.5	3.4	1.5	.8	1.1	.3											109	109	119	66
48/ 47		3.7	2.7	.9	.4	.1												72	72	118	89
46/ 45		1.5	1.5	.9	.4	.3												43	43	107	88
44/ 43		.5	1.2	.9														24	24	53	80
42/ 41		.2	.3	.3	.3													11	11	50	83
40/ 39		.6	.3	.3	.1													13	13	29	65
38/ 37		.4			.1													5	5	20	53
36/ 35				.2														2	2	11	33
34/ 33																				4	21
32/ 31																				3	23
30/ 29																				1	15
28/ 27																					14
26/ 25																					8
24/ 23																					3
22/ 21																					10
20/ 19																					1
18/ 17																					1
16/ 15																					2
TOTAL	2.5	32.2	25.3	18.0	11.1	7.0	2.8	1.2	.1										930		930
																		930		930	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5332457	68737	73.9	16.472	930							
Dry Bulb	2762574	50340	54.1	6.372	930			2.1	.3			93
Wet Bulb	2347472	46336	49.8	6.466	930		.4	.4				93
Dew Point	1986759	42187	45.4	8.868	930		7.7					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68	OTIS AFB MA	68-70,73,76-81	MAY
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
88/ 87								.2										2	2		
84/ 83							.1			.1								2	2		
82/ 81									.1									1	1		
80/ 79									.1									1	1		
78/ 77							.2	.1	.3	.1								7	7		
76/ 75						.1	.3	.2		.1								7	7		
74/ 73				.1	.2		.3		.2									8	8	2	
72/ 71			.3	.5	.3	.3	.3	.5	.4									26	26	1	
70/ 69		.3	.3	1.0	1.1	.6	.4	.3	.4	.3								45	45	2	
68/ 67		.1	1.1	.5	.4	.9	.6	.8	.9	.2	.1							52	52	6	6
66/ 65	.2	.5	1.0	.4	1.5	1.1	1.4	1.0	.2		.1							69	69	23	7
64/ 63		1.4	.4	1.8	1.0	1.7	1.9	1.2	.2	.1								91	91	36	17
62/ 61	.4	1.6	1.4	2.2	1.8	1.1	1.1	1.0	.1	.1								100	100	55	29
60/ 59	.1	1.7	1.8	1.0	2.3	2.2	2.3	.6	.2	.1								114	114	44	33
58/ 57		1.9	1.6	1.1	1.8	2.0	1.1	.9	.2									99	99	89	37
56/ 55	.1	2.0	1.5	.8	1.9	2.0	.5	.3	.2									88	88	87	48
54/ 53		1.9	.8	1.2	1.9	.9	.6											68	68	96	75
52/ 51		1.8	1.5	.9	.5	.8	.8											58	58	116	64
50/ 49	.1	1.9	1.5	.6	.3	.8	.1											50	50	102	56
48/ 47		.8	.1	.1	.2	.2												13	13	106	67
46/ 45		.5	.2		.3	.3												13	13	63	61
44/ 43			.3															3	3	45	79
42/ 41		.2	.2			.1												5	5	25	50
40/ 39		.5	.1															6	6	17	57
38/ 37		.1																1	1	10	60
36/ 35																				3	64
34/ 33																				1	25
32/ 31																					27
30/ 29																					11
28/ 27																					14
26/ 25																					19
24/ 23																					6
22/ 21																					9
20/ 19																					4

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
1· / 17																					3
1· / 15																					1
TOTAL	1.0	17.5	14.2	12.2	15.7	15.1	12.2	7.1	3.7	1.2	.2							929	929	929	929

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3969582	57830	62.2	19.959	929							
Dry Bulb	3352710	55410	59.6	7.176	929			15.1	2.8	.5		93
Wet Bulb	2598316	48740	52.5	6.661	929			1.1	.2			93
Dew Point	2005571	42137	45.4	10.083	929		9.4	.6				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,76-81 MAY
STATION STATION NAME YEARS MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
6/ 85							.1											1	1		
4/ 83										.2								2	2		
2/ 81						.1	.1											2	2		
/ 79							.1	.2	.1	.1	.3							8	8		
7 / 77						.1	.1	.5	.3									10	10		
76/ 75				.3		.2	.1	.8	.5									18	18		
74/ 73				.8	.3	.8	.3	.1	.2	.1		.1						25	25	1	
72/ 71		.1	.5	.8	1.4	.6	.9	.6	.2	.1	.1	.1						51	51	2	
/ 69		.1	.8	.6	1.1	.8	.8	.6	.8	.3	.1	.3						58	58	5	1
6 / 67		.5	.4	.9	1.9	1.2	.8	1.5	.6	.2								75	75	16	2
6/ 65	.3	.4	.5	.8	1.3	1.2	2.4	1.2	.9									83	84	39	21
4/ 63	.2	1.0	.8	1.7	1.4	1.5	2.4	1.3	.6									101	101	48	25
/ 61		.5	.6	1.9	1.6	2.3	2.4	1.3	.6	.1								106	106	52	20
/ 59	.2	1.4	1.1	.6	.9	2.3	2.0	.9	.4	.2								93	93	58	35
/ 57		1.0	1.5	.8	1.2	1.2	1.5	.6										72	72	82	36
5 / 55		2.2	.9	.3	1.3	1.1	1.9	.3										74	74	90	49
4/ 53		1.5	1.0	.8	1.5	.3	.3	.1										51	51	107	76
2/ 51		1.2	1.0	.6	.3	1.0	.3											41	41	101	64
5 / 49	.1	1.2	.8	.6	.1		.2											28	28	105	62
4 / 47		.4	.2	.1		.3												10	10	77	49
4 / 45			.4															4	4	72	52
4/ 43		.3																3	3	36	59
2/ 41		.8																7	7	18	69
4 / 39		.5																5	5	10	72
3 / 37																				9	52
3 / 35																					51
34/ 33																					26
2/ 31																					40
/ 29																					20
2 / 27																					16
2 / 25																					12
24/ 23																					5
2/ 21																					6
2 / 19																					3

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068	OTIS AFB MA	68-70,73,76-81	MAY
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
16/ 17																					3
14/ 15																					2
TOTAL	.9	13.1	10.5	11.6	14.3	14.9	16.7	10.1	5.4	1.4	.5	.5						928	929	928	928

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3509022	54064	58.3	19.688	928							
Dry Bulb	3611634	57506	61.9	7.483	929			25.0	6.6	1.1		93
Wet Bulb	2708680	49740	53.6	6.784	928			2.4	.1			93
Dew Point	2026769	42295	45.6	10.340	928		10.7	.3				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | MAY MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 81							.1											1	1		
80/ 79						.1			.1		.1							3	3		
78/ 77										.1								1	1		
76/ 75					.2	.2	.1	.3	.3				.1					12	12		
74/ 73				.1	.2	.3	.3	.3	.4			.1						17	17		
72/ 71			.5	.4	.8	1.0	.6	.6	.3	.2	.1							43	43	1	
70/ 69	.1	.1	.5	.5	1.4	1.0	.5	.4	.1	.1	.1							46	46	2	1
68/ 67		.3	.8	.9	.9	.6	1.2	.3	.5									51	51	12	1
66/ 65	.1	.9	.5	1.7	1.4	1.3	.6	1.1	.4	.1								76	76	20	15
64/ 63	.3	.9	.2	2.5	1.4	1.7	1.2	1.0	.2									87	87	42	16
62/ 61	.1	.4	1.2	2.2	1.9	1.8	1.4	1.4	.6	.1	.1							105	105	49	21
60/ 59		1.9	1.8	1.8	1.3	3.7	1.5	1.2	.4									127	127	56	22
58/ 57		1.4	1.1	1.0	2.5	2.3	.8	1.3										95	95	102	30
56/ 55	.5	1.2	.9	1.1	1.4	1.4	1.6	.4										79	79	91	65
54/ 53		1.1	.5	1.1	1.1	.5	.8	.3										50	50	81	79
52/ 51		1.7	1.4	1.1	1.0	1.0												57	57	94	56
50/ 49	.1	1.4	.6	1.3	.4	.1												37	37	112	77
48/ 47		1.2	1.0	.5	.1	.3												29	29	93	56
46/ 45			.1															1	1	81	59
44/ 43		.3			.1													4	4	52	64
42/ 41		.2	.3															5	5	25	59
40/ 39		.2																2	2	8	82
38/ 37		.2																2	2	8	59
36/ 35																				1	37
34/ 33																					23
32/ 31																					35
30/ 29																					26
28/ 27																					21
26/ 25																					12
24/ 23																					6
22/ 21																					3
20/ 19																					1
18/ 17																					3
14/ 13																					1

Element (X)	Σx²	Σx	X̄	σx	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 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | MAY MONTH

PAGE 2 | 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
TOTAL	1.3	13.4	11.5	16.1	16.0	17.3	10.8	8.7	3.5	.6	.4	.1	.1					930	930	930	930

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3749925	56383	60.6	18.893	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3421543	56029	60.2	7.037	930			17.4	3.4	.2		93
Wet Bulb	2623375	49017	52.7	6.551	930			1.5				93
Dew Point	1999316	42140	45.3	9.836	930		10.8	.2				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068	OTIS AFB MA	68-70,73,76-81	MAY
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71					.2													2	2		
70/ 69		.1	.1			.1	.1	.1										5	5		
68/ 67		.2	.1	.8	.3	.2	.2		.2									19	19	1	
66/ 65		1.3	.8	.6	.5	.3	.3											36	36	6	5
64/ 63	.2	1.0	.9	1.6	.6	.9	.1	.3										52	52	16	8
62/ 61	.5	2.2	2.6	.3	1.7	.5	.2											75	75	33	20
60/ 59		2.9	2.4	2.3	.8	.6	.5	.2										90	90	50	30
58/ 57	.2	1.3	2.6	1.8	1.9	1.0	.1	.3										86	86	71	30
56/ 55	.4	2.6	4.0	2.7	2.3	1.0												120	120	62	56
54/ 53	.3	1.9	3.9	2.9	1.5	1.0	.4											111	111	91	57
52/ 51		2.5	3.8	2.7	2.2	.9	.2	.1										114	114	94	60
50/ 49		2.8	2.3	3.6	1.5	.2												96	96	128	75
48/ 47		2.5	1.9	1.6	.4	.1												61	61	110	105
46/ 45		1.1	1.1	.9	.1	.1												30	30	92	73
44/ 43		.3	.8	.2	.4													16	16	84	66
42/ 41		.2	.3		.1													6	6	48	82
40/ 39		.3																3	3	20	72
38/ 37		.3																3	3	12	50
36/ 35																				6	49
34/ 33																				1	38
32/ 31																					18
30/ 29																					7
28/ 27																					8
26/ 25																					8
24/ 23																					3
22/ 21																					2
20/ 19																					2
14/ 13																					1
TOTAL	1.7	23.6	27.5	22.1	14.7	6.9	2.3	1.1	.2									925	925	925	925

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4983282	66368	71.7	15.480	925	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2847938	51022	55.2	6.032	925			2.6				93
Wet Bulb	2385908	46628	50.4	6.194	925			.1				93
Dew Point	1991679	42197	45.6	8.498	925		4.9					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION — OTIS AFB MA STATION NAME — 68-70,73,76-81 YEARS — MAY MONTH

PAGE 1 — 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
6/ 65	.2	.9	.3															13	13	3	3
4/ 63	.4	.5	.9	.1														18	18	13	11
2/ 61	.9	1.5	1.2	.2	.1													36	36	15	11
/ 59	.3	4.4	2.3	1.6	.5	.1												86	86	44	27
/ 57	.1	3.7	3.9	.9	.9	.1	.1											89	89	55	35
5 / 55		3.1	2.9	2.1	.8	.4	.1											87	87	56	48
4/ 53	.5	4.6	5.3	1.7	.4	.2												119	119	76	59
2/ 51		4.9	4.4	2.6	.4													114	114	102	63
5/ 49	.1	4.9	5.1	2.8	.9		.2											129	129	123	83
4 / 47		3.5	3.3	2.2	.5	.2												90	90	113	102
4/ 45		2.8	3.5	1.0	.4	.2												73	73	116	103
4/ 43		1.3	1.4	.3														28	28	72	56
42/ 41		.8	1.1	.4	.1													22	22	61	90
4 / 39		1.1	.1		.3													14	14	37	66
3 / 37		.2		.4														6	6	25	53
/ 35			.1															1	1	6	51
34/ 33		.1																1	1	6	25
2/ 31																				3	15
/ 27																					5
2/ 27																					6
/ 25																					2
24/ 23																					1
2/ 21																					2
/ 19																					7
1 / 17																					2
TOTAL	2.6	38.2	35.7	16.3	5.4	1.3	.4												926		926
																		926		926	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5920105	73117	79.0	12.597	926							
Dry Bulb	2566204	48452	52.3	5.789	926							93
Wet Bulb	2264849	45423	49.1	6.300	926		.3					93
Dew Point	1998006	42348	45.7	8.143	926		4.0					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68	OTIS AFB MA	68-70,73,76-81	MAY
STATION	STATION NAME	YEARS	MONTH

PAGE 1 — ALL HOURS (L. S. T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
6/ 87								.0										2	2		
6/ 85							.0											1	1		
4/ 83							.0			.0								4	4		
/ 81						.0	.0		.0									4	4		
/ 79						.0	.0	.0	.0	.0	.1							13	13		
7 / 77						.0	.0	.1	.1	.0								18	18		
7 / 75				.0	.0	.1	.1	.2	.1	.0			.0					37	37		
4/ 73				.1	.1	.1	.1	.1	.1	.0		.0						52	52	3	
7 / 71		.0	.2	.2	.3	.3	.2	.2	.1	.0	.0	.0						127	127	4	
/ 69	.0	.1	.2	.3	.5	.3	.2	.2	.2	.1	.0	.0						159	159	10	2
6 / 67		.2	.3	.4	.5	.4	.4	.3	.3	.1	.0							206	206	38	9
6/ 65	.2	.7	.6	.5	.6	.5	.6	.4	.2	.0	.0							319	320	101	61
4/ 63	.4	.9	.5	1.0	.6	.8	.7	.5	.1	.0								414	414	186	101
/ 61	.5	1.3	1.2	1.0	1.0	.8	.7	.5	.2	.0	.0							539	539	269	136
/ 59	.4	2.7	1.8	1.2	.9	1.3	.8	.4	.1	.0								710	710	356	232
5 / 57	.2	2.4	2.0	1.1	1.3	1.0	.5	.4	.0									655	655	527	257
5 / 55	.2	3.3	2.2	1.5	1.2	.8	.6	.1	.0									738	738	553	393
4/ 53	.3	2.9	2.8	1.7	1.1	.4	.3	.1										706	706	704	517
2/ 51	.0	2.8	2.9	1.7	.7	.5	.2	.0										664	664	755	515
5 / 49	.1	3.6	2.9	1.6	.7	.3	.1											682	682	884	547
4 / 47		3.1	2.1	1.0	.3	.2	.0											499	499	872	591
4 / 45		1.9	1.9	.6	.3	.2												362	362	741	653
4/ 43	.0	1.1	1.0	.4	.1	.0												200	200	513	587
2/ 41	.0	.6	.7	.2	.1	.0												126	126	382	598
4 / 39		.8	.3	.1	.1													92	92	223	565
3 / 37		.4	.2	.1	.0													54	54	150	444
3 / 35		.1	.1	.2	.0													31	31	79	375
3 / 33		.1	.0															8	8	37	208
2/ 31		.0																3	3	22	212
/ 29		.0																2	2	18	114
2 / 27	.0																	1	1	1	107
/ 25																					72
2 / 23																					28
2/ 21																					52

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA — 68-70,73,76-81 — MAY
STATION — STATION NAME — YEARS — MONTH

PAGE 2 — ALL
HOURS (L. S. T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
./ 1																					26
1 / 17																					13
1 / 15																					9
1 / 13																					4
TOTAL	2.3	29.3	23.8	15.1	10.5	8.0	5.7	3.5	1.6	.4	.1	.1	.0					7428	7429	7428	7428

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	39908196	526936	70.9	18.449	7428							
Dry Bulb	23347070	412330	55.5	7.883	7429		.6	62.4	13.1	1.8		744
Wet Bulb	19213160	374224	50.4	6.959	7428		4.1	5.5	.3			744
Dew Point	15823200	335984	45.2	9.180	7428		63.8	1.1				744

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

AD-A113 716 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
OTIS AFB, FALMOUTH, MASSACHUSETTS. REVISED UNIFORM SUMMARY OF S--ETC(U)
FEB 82
UNCLASSIFIED USAFETAC/DS-82/010 SBI-AD-E850 155 NL

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,75-80 JUN
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
72/ 71		.3	.3															6	6		
70/ 69	.8	.9	.9	.6	.2	.1												31	31	13	11
68/ 67	1.1	1.7	2.2	1.1	.1													56	56	20	18
66/ 65	1.1	4.4	2.8	1.3	.2													88	88	42	30
64/ 63	1.5	5.7	3.5	1.5	.2													110	110	91	50
62/ 61	1.5	6.8	3.1	.2	.3													107	107	105	81
60/ 59	1.6	7.7	5.0	.8														135	135	124	112
58/ 57	.3	7.5	2.2	.2	.4	.1												97	97	116	107
56/ 55	.1	5.6	2.2	.8	.6	.1												84	84	107	112
54/ 53	.1	5.7	2.0	.7		.2												78	78	78	93
52/ 51		3.7	1.8	.4														53	53	83	89
50/ 49		.7	.9	.6														19	19	46	69
48/ 47		.8	.4	.1														12	12	27	33
46/ 45		.4	.6															9	9	17	21
44/ 43		.2	.4															6	6	13	24
42/ 41		.1	.2															3	3	6	15
40/ 39																				5	11
38/ 37																				1	9
36/ 35																					6
34/ 33																					3
TOTAL	8.1	52.2	28.7	8.3	2.1	.6												894	894	894	894

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6702181	76923	86.0	9.667	894							
Dry Bulb	3190296	53168	59.5	5.628	894			9.4				90
Wet Bulb	2942727	51025	57.1	5.842	894			3.3				90
Dew Point	2766750	49372	55.2	6.704	894			2.9				90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725063	OTIS AFB MA	68-70,73,75-80	JUN
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
7 / 69	.3	1.2	.4	.1														19	19	8	4
6 / 67	.7	2.6	2.3	.4														54	54	20	20
66/ 65	1.1	2.7	2.2	1.1														64	64	38	28
64/ 63	2.3	7.1	1.7	1.2	.1													112	112	74	41
62/ 61	1.5	8.3	3.0	.7	.8													127	127	112	88
/ 59	1.7	6.7	4.1	.3	.1													116	116	116	119
58/ 57	.3	9.6	3.1	.9														125	125	117	87
56/ 55		6.4	1.8	.2	.3													78	78	115	121
54/ 53		4.9	1.2	.8														62	62	90	99
52/ 51		5.0	2.0	.1	.2	.2												68	68	75	79
5 / 49	.1	1.8	1.5	.6														35	35	43	73
4 / 47		.6	.9															13	13	34	39
46/ 45		.7	.9	.1														15	15	22	29
44/ 43		.2	.3															5	5	16	13
42/ 41																				10	25
4 / 39	.1		.2															3	3	4	12
3 / 37																				2	9
36/ 35																					3
34/ 33																					4
32/ 31																					3
TOTAL	8.1	57.7	25.8	6.6	1.6	.2													896		896
																		896		896	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6835289	77831	86.9	9.124	896	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3129208	52710	58.8	5.631	896			7.3				90
Wet Bulb	2903409	50731	56.6	5.890	896			2.8				90
Dew Point	2740479	49181	54.9	6.765	896		.3	2.4				90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
725068	OTIS AFB MA	68-70,73,75-80	JUN

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
82/ 81							.1											1	1		
80/ 79					.1	.1												2	2		
78/ 77						.1	.1											2	2		
76/ 75			.2	.3	.1	.1	.1											8	8		
74/ 73		.2	.3	.9	.1	.1												15	15	1	
72/ 71		.6	1.4	1.0	1.0	.6												41	41	5	
70/ 69	.3	1.4	2.4	1.9	1.0	1.0	.1											74	74	21	13
68/ 67	.6	2.0	4.3	2.3	1.1	.7	.1											100	100	52	24
66/ 65	1.3	3.8	4.0	3.1	1.2	.6	.1	.1										128	128	62	58
64/ 63	1.7	4.1	3.0	1.7	.7	1.0	.4											113	113	130	68
62/ 61	.4	5.8	3.7	1.8	.8	.6	.2											119	120	108	89
60/ 59	.9	5.3	4.0	1.2	.7	.7	.4											119	120	145	109
58/ 57	.3	4.3	2.1	1.1	.7	.2												79	79	110	124
56/ 55	.6	1.9	.6	.4	.4	.1												36	36	94	121
54/ 53		1.6	.8	.4	.2	.1												28	28	60	72
52/ 51		1.8	.9	.2	.2													28	28	44	58
50/ 49		.1	.2	.1														4	4	39	48
48/ 47			.1															1	1	18	31
46/ 45																				6	21
44/ 43																				3	24
42/ 41																					18
40/ 39																					7
38/ 37																					10
34/ 33																					2
32/ 31																					1
TOTAL	6.1	33.0	28.2	16.6	8.4	5.9	1.8	.1											900		898
																		898		898	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5891234	71730	79.9	13.423	898							
Dry Bulb	3600341	56713	63.0	5.440	900			24.3	2.8	.2		90
Wet Bulb	3176639	53191	59.2	5.383	898			7.9	.1			90
Dew Point	2896288	50634	56.4	6.783	898		.1	3.7				90

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

GLCRAL CLIMATOLOGY BRANCH
USAFETAC
AIr WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725?68 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | JUN MONTH

PAGE 1 0900-1130 HOURS (L. S. T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
8/ 87									.2									2	2		
6/ 85						.1		.2	.1									4	4		
4/ 83						.1	.3	.3	.1									8	8		
/ 81					.2	.7	.2	.2	.1									13	13		
/ 79				.3	.7	.4	.2	.6										20	20		
7/ 77			.1	.6	1.0	.4	.8	.4	.3									33	33		
76/ 75		.2	1.0	1.8	2.1	1.7	.8	.7	.3									77	77	3	
74/ 73		.4	1.1	2.8	1.9	2.2	1.7	.9										99	99	11	2
/ 71		.7	1.2	2.3	2.7	.7	1.7	.3										86	86	42	9
7/ 69	.2	1.7	1.7	2.4	3.1	1.6	1.4	.7	.3	.1								119	119	59	25
6/ 67	.1	1.9	1.7	2.3	1.7	1.0	1.4	1.4	.1									105	105	83	53
6/ 65	.6	1.7	1.4	3.1	.8	.8	1.2	.6										91	91	107	70
64/ 63		2.1	1.1	1.2	1.0	1.2	.7		.1									67	67	107	76
2/ 61	.4	2.9	1.4	1.7	.3	1.0	.7	.1										77	77	122	82
/ 59	.3	1.7	1.0	.9	.2	.3	.3	.1										44	44	122	98
5/ 57		1.1	.3	.4	.3	.3												23	23	65	100
5/ 55	.1	.7	.4	.3	.1													15	15	65	79
4/ 53		.6	.3	.2														10	10	45	58
2/ 51		.2	.2															4	4	40	60
5/ 49		.3																3	3	18	53
/ 47																				11	23
4/ 45																					30
4/ 43																					34
2/ 41																					16
4/ 39																					16
3/ 37																					7
/ 35																					4
3/ 33																					4
2/ 31																					1
TOTAL	1.8	16.1	13.1	20.4	16.1	12.6	11.4	6.6	1.8	.1									900		900
																		900		900	

Element (X)	Σx²	Σx	X̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4451335	61529	68.4	16.504	900							
Dry Bulb	4252540	61592	68.4	6.455	900			56.6	25.6	3.6		90
Wet Bulb	3458911	55547	61.7	5.835	900			19.8	1.4			90
Dew Point	2966623	51179	56.9	7.914	900		.1	8.9	.2			90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,75-80 JUN
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87									.2	.2								4	4		
86/ 85						.1	.2		.1	.2								6	6		
84/ 83					.2	.3	.3	.6	.4									17	17		
82/ 81				.1	.2	1.0	.6	.8	.1									25	25		
80/ 79				.2	1.3	1.6	.2	.8	.2	.1								40	40		
78/ 77			.2	1.3	2.2	1.1	1.4	.9	.8	.2								74	74	1	
76/ 75			1.3	1.3	2.1	2.0	1.9	1.8	.4	.1								99	99	3	
74/ 73		.1	1.1	1.9	1.8	2.1	1.4	.6	.2									83	83	29	4
72/ 71		.9	.9	1.9	3.9	1.9	1.2	1.4	.3									112	112	53	10
70/ 69	.3	.8	2.0	1.4	2.7	2.2	2.1	1.7										119	119	84	44
68/ 67	.1	1.1	.7	.6	1.2	.7	2.0	.6	.3	.1								66	66	75	53
66/ 65	.3	1.7	1.4	1.6	1.1	.7	1.6	.9	.2									85	85	104	62
64/ 63	.1	2.0	1.1	1.8	.7	.3	.2	.2										58	58	118	79
62/ 61	.2	1.3	.7	1.2	.7	.2	.4											43	43	115	77
60/ 59	.2	.8	.7	.3	.4	.6												27	27	88	96
58/ 57	.1	1.2	.1	.1	.2	.1												17	17	88	77
56/ 55	.1	.2	.7	.1	.3													13	13	57	86
54/ 53		.4	.1															5	5	33	63
52/ 51			.3															3	3	33	63
50/ 49		.3																3	3	10	41
48/ 47																				8	42
46/ 45																					38
44/ 43																					23
42/ 41																					18
40/ 39																					7
38/ 37																					6
36/ 35																					7
34/ 33																					1
32/ 31																					2
TOTAL	1.6	10.9	11.3	13.9	19.1	14.9	13.7	10.1	3.4	1.0									899		899
																		899		899	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3986110	58014	64.5	16.429	899	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4502521	63335	70.5	6.719	899			64.6	34.8	7.2		90
Wet Bulb	3557676	56304	62.6	5.911	899			24.5	3.3			90
Dew Point	2987836	51326	57.1	8.003	899		.2	11.1	.4			90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068	OTIS AFB MA	68-70,73,75-80	JUN
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
8/ 87										.1								1	1		
6/ 85							.1			.1								2	2		
4/ 83						.2	.1		.2									5	5		
2/ 81				.1	.3	.3	.2	1.0	.2									20	20		
/ 79				.2	.4	.6	.6	.3			.1	.1						21	21		
7/ 77			.1	1.3	1.6	1.0	1.1	.7			.1							53	53		
76/ 75		.1	.6	1.9	1.4	1.9	1.4	1.0										75	75	1	
74/ 73		.1	.8	1.3	1.3	1.3	1.1	1.2	.1									66	66	20	1
7/ 71		1.1	1.2	2.8	2.6	1.4	2.3	.2	.1									106	106	31	10
7/ 69	.2	1.0	1.9	2.9	2.0	1.4	1.7	1.1	.1									111	111	59	38
6/ 67	.6	1.3	3.7	1.7	3.1	1.7	2.7	.7	.2									140	140	82	46
6/ 65	.1	2.7	2.0	1.8	.8	.7	1.3	.6	.1									90	90	108	49
4/ 63		1.9	1.0	1.3	1.2	1.3	.3	.2										66	66	123	72
2/ 61	.1	1.1	.8	.8	.7	.8	.4	.2										44	44	115	91
/ 59	.2	.8	1.2	.3	.6	.3	.1											32	32	98	104
5/ 57	.1	1.8	.9	.3	.4	.1												33	33	74	68
5/ 55	.3	.9	.6		.1													17	17	87	91
4/ 53		.4	.3		.2													9	9	45	80
2/ 51		.2	.1															3	3	33	58
5/ 49		.3	.2															5	5	13	51
/ 47																				9	30
4/ 45																				1	42
44/ 43																					28
42/ 41																					15
4/ 39																					12
3/ 37																					8
3/ 35																					2
34/ 33																					3
TOTAL	1.7	13.8	15.4	16.8	16.8	13.1	13.6	7.2	1.1	.2	.2	.1						899	899	899	899

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4326964	60576	67.4	16.526	899							
Dry Bulb	4281706	61772	68.7	6.439	899			60.1	24.3	3.9		90
Wet Bulb	3456851	55507	61.7	5.749	899			19.3	2.1			90
Dew Point	2944476	50972	56.7	7.786	899			9.5	.1			90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68 OTIS AFB MA 68-70,73,75-80 JUN
STATION STATION NAME YEARS MONTH

PAGE 1 1600-2000
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
84/ 83									.1									1	1		
82/ 81						.1		.1	.1									3	3		
80/ 79				.1		.1												2	2		
78/ 77				.1	.2		.1	.1			.1							6	6		
76/ 75			.1	.2	.3	.1												7	7		
74/ 73		.3	.8	1.1	.2	.4	.1											27	27	2	
72/ 71		1.1	1.2	1.3	1.2	.4	.2											50	50	6	5
70/ 69	.1	2.0	2.9	3.7	1.8	1.2	.1		.1									107	108	39	14
68/ 67	.8	1.7	3.6	3.0	1.5	.6	.3	.1										104	104	47	40
66/ 65	.6	3.5	4.1	5.1	1.7	.6	.7	.1	.1									147	147	71	36
64/ 63		4.8	2.3	2.4	1.7	.9	.4											113	113	116	63
62/ 61	.2	4.6	2.7	2.7	.9	.6	.3											107	107	148	107
60/ 59	.1	2.4	1.9	1.7	.9	.8	.3											73	73	113	108
58/ 57	.1	2.4	1.4	1.8	.6	.3												60	60	81	96
56/ 55	.3	2.6	1.3	.4	.7													48	48	100	96
54/ 53		1.0	.9		.3													20	20	69	78
52/ 51		1.0	.3	.1	.3													16	16	56	77
50/ 49		.3	.1	.1														5	5	26	48
48/ 47			.1															1	1	15	43
46/ 45		.1																1	1	6	27
44/ 43																				3	15
42/ 41																					21
40/ 39																					9
38/ 37																					9
36/ 35																					4
34/ 33																					1
32/ 31																					1
TOTAL	2.2	27.8	23.8	23.9	12.4	6.1	2.7	.4	.4		.1								899		898
																		898		898	

Element (X)	Σx²	Σx	X̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5429079	68691	76.5	13.955	898							
Dry Bulb	3723744	57640	64.1	5.595	899			30.8	4.6	.4		90
Wet Bulb	3216995	53517	59.6	5.548	898			9.4	.2			90
Dew Point	2878897	50441	56.2	7.130	898		.1	5.9				90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068	OTIS AFB MA	68-70,73,75-80	JUN
STATION	STATION NAME	YEARS	MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
76/ 75				.1		.1												2	2		
74/ 73			.1			.1												2	2		
72/ 71	.1	.4	.8	.1	.2													15	15	1	1
70/ 69	1.1	1.6	2.4	.8		.1												54	54	22	16
68/ 67	.8	1.4	3.3	1.2	.3			.1										65	65	26	20
66/ 65	.8	4.7	4.6	2.0														108	108	58	34
64/ 63	.8	6.0	3.7	2.3	.7													121	121	91	46
62/ 61	1.9	7.2	2.6	1.6	.1	.1												121	121	134	114
60/ 59	.8	6.7	4.6	1.6	.3	.1												126	126	135	115
58/ 57	.7	4.9	3.8	2.1	.3	.2												108	108	98	125
56/ 55		3.9	2.3	1.1	.4	.3												73	73	101	91
54/ 53	.1	3.7	1.3	.2	.1													49	49	85	86
52/ 51	.1	1.6	1.6	.3														32	32	72	85
50/ 49		.7	.1	.3														10	10	31	56
48/ 47		.2	.7															8	8	26	39
46/ 45			.1															1	1	8	30
44/ 43		.2	.1															3	3	8	10
42/ 41																				2	11
40/ 39																					5
38/ 37																					10
36/ 35																					4
TOTAL	7.1	43.2	32.1	13.8	2.6	1.1		.1											898		898
																		898		898	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	6440729	75479	84.1	10.374	898							
Dry Bulb	3367990	54788	61.0	5.312	898			13.8	.4			90
Wet Bulb	3068358	52258	58.2	5.514	898			4.9				90
Dew Point	2858712	50332	56.0	6.479	898			3.7				90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 63 OTIS AFB MA 68-70,73,75-80 JUN
STATION / STATION NAME / YEARS / MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
8/ 87									.1	.0								7	7		
6/ 85						.0	.0	.0	.0	.0								12	12		
4/ 83					.0	.1	.1	.1	.1									31	31		
/ 81				.0	.1	.3	.1	.3	.1									62	62		
/ 79				.1	.3	.3	.1	.2	.0	.0	.0	.0						85	85		
7/ 77			.1	.4	.6	.3	.4	.3	.1	.0	.0							168	168	1	
76/ 75		.0	.4	.7	.8	.7	.5	.4	.1	.0								268	268	7	
74/ 73		.2	.5	1.0	.7	.8	.5	.3	.0									292	292	63	7
/ 71	.0	.6	.9	1.2	1.4	.6	.7	.3	.1									416	416	138	35
/ 69	.4	1.3	1.8	1.7	1.4	1.0	.7	.4	.1	.0								634	635	305	165
6/ 67	.6	1.7	2.7	1.6	1.1	.6	.8	.4	.1	.0								690	690	405	274
6/ 65	.7	3.1	2.8	2.4	.7	.4	.6	.3	.1									801	801	590	367
4/ 63	.8	4.2	2.2	1.7	.8	.6	.3	.1	.0									760	760	850	495
2/ 61	.8	4.7	2.2	1.3	.6	.4	.3	.0										745	746	959	729
/ 59	.7	4.0	2.8	.9	.4	.3	.2	.0										672	673	941	861
/ 57	.3	4.1	1.8	.9	.4	.2												542	542	749	784
5/ 55	.2	2.8	1.2	.4	.4	.1												364	364	726	797
4/ 53	.0	2.3	.9	.3	.1	.0												261	261	505	629
2/ 51	.0	1.7	.9	.2	.1	.0												207	207	436	569
5/ 49	.0	.6	.4	.2														84	84	226	439
/ 47		.2	.3	.0														35	35	148	280
4/ 45		.2	.2	.0														26	26	60	238
4/ 43		.1	.1															14	14	43	171
2/ 41		.0	.0															3	3	18	139
4 / 39	.0		.0															3	3	9	79
3/ 37																				3	68
/ 35																					30
3/ 33																					18
2/ 31																					8
TOTAL	4.6	31.8	22.3	15.1	9.9	6.8	5.4	3.1	.8	.2	.0	.0							7185		7182
																		7182		7182	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	44062921	550773	76.7	15.943	7182							
Dry Bulb	30048346	461718	64.3	7.251	7185			267.2	92.7	15.3		720
Wet Bulb	25781566	428080	59.6	6.087	7182			92.1	7.1			720
Dew Point	23040061	403437	56.2	7.252	7182		.8	48.2	.7			720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,75-80 JUL
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
7 / 77		.1				.1	.1											3	3		
/ 75	.6	1.7	.3	.2	.1	.1												29	29	15	12
4/ 73	1.9	3.2	1.2	.8		.1												67	67	36	34
/ 71	1.4	5.0	5.3	1.2	.3		.1											123	123	58	44
/ 69	1.2	7.1	4.6	.9	.2	.3												133	133	97	75
/ 67	1.4	3.7	4.2	1.0	.1	.3	.1											100	100	121	96
/ 65	1.4	8.9	3.4	2.3	.1	.1	.2											153	153	97	96
4/ 63	.9	5.0	3.3	2.7	1.1	.1												121	121	134	98
/ 61	.2	3.9	2.8	1.3	.6	.2												84	84	92	95
/ 59		1.9	1.9	.6	.2	.3												47	47	91	98
/ 57		.1	2.0	.6	.2	.1												29	29	70	71
5 / 55	.1	1.1	.8	.3														21	21	42	56
4/ 53		.5	.8	.1														13	13	35	30
2/ 51			.6															6	6	26	57
5 / 49																				9	21
/ 47																				6	19
4 / 45																					13
4/ 43																					8
4 / 41																					4
4 / 39																					2
T TAL	9.1	42.2	31.3	11.9	3.0	1.8	.5												929		929
																		929		929	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6825539	79013	85.1	10.655	929							
Dry Bulb	4118012	61668	66.4	5.130	929			45.5	9.9			93
Wet Bulb	3789058	59074	63.6	5.928	929			32.7	5.1			93
Dew Point	3579479	57279	61.7	7.181	929			26.1	4.6			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 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
76/ 75	.3	1.3	.8		.1													23	23	10	6
74/ 73	1.8	1.9	.9	1.0	.1													53	53	24	26
72/ 71	2.3	4.2	4.1	.6	.8													111	111	60	47
70/ 69	2.6	6.8	4.0	.9														132	132	89	74
68/ 67	2.4	4.3	5.0	.6														114	114	129	94
66/ 65	1.0	5.3	4.7	1.5		.5												121	121	84	98
64/ 63	1.0	5.7	4.8	1.5	.9													129	129	110	82
62/ 61	.3	4.2	3.2	1.7	.2													90	90	113	84
60/ 59		2.4	2.0	.9	.3	.1												53	53	96	106
58/ 57		.9	2.2	.6	.3	.3												40	40	67	79
56/ 55		.8	1.6	.3	.3													28	28	50	69
54/ 53		1.0	.9	.3	.1													21	21	35	27
52/ 51		.1	.5	.1														7	7	30	45
50/ 49			.3															3	3	15	38
48/ 47			.3															3	3	12	18
46/ 45																				4	11
44/ 43																					10
42/ 41																					8
40/ 39																					4
38/ 37																					2
TOTAL	11.6	38.8	35.3	10.1	3.1	1.0													928		928
																		928		928	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6897271	79449	85.6	10.144	928	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4019469	60867	65.6	5.420	928			43.4	7.6			93
Wet Bulb	3711354	58404	62.9	6.204	928			31.3	3.4			93
Dew Point	3514728	56698	61.1	7.392	928			24.8	3.2			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725069	OTIS AFB MA	68-70,73,75-80	JUL
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
6/ 85						.1												1	1		
4/ 83					.1	.1												2	2		
/ 81			.1	.2	.3	.1												7	7		
/ 79				.8	.2	.3	.1											13	13		
7 / 77		.3	.8	1.0	1.0	.1	.2											31	31	1	1
76/ 75		1.9	1.8	1.7	1.3	.8	.2											72	72	18	7
74/ 73	.8	3.3	2.5	2.7	1.8	.4	.2											109	109	49	21
/ 71	1.5	4.8	5.3	1.9	2.4	.4	.2											154	154	86	77
/ 69	1.1	4.4	5.4	2.3	.5	1.2	.2	.1										141	141	113	90
6 / 67	.5	2.7	5.2	2.0	.9	1.2	.2											118	118	137	92
6/ 65	.3	3.7	3.2	2.0	1.3	1.0	.2											109	109	116	108
4/ 63	.2	2.7	3.5	1.7	1.2	.5												90	90	115	103
/ 61		2.3	.8	1.0	.4	.1	.2											44	44	84	89
/ 59		.1	.5	.4	.3	.1												14	14	99	92
/ 57		.4	.8	.3	.1													15	15	39	70
5 / 55		.1	.2	.1	.1													5	5	42	51
4/ 53		.1	.3															4	4	16	30
2/ 51		.1																1	1	8	40
5 / 49																				7	25
/ 47																					13
4 / 45																					11
4/ 43																					6
2/ 41																					2
4 / 39																					2
TOTAL	4.4	27.0	30.3	18.2	11.7	6.5	1.8	.1											930		930
																		930		930	

Element (X)	ΣX^2	ΣX	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6057260	74138	79.7	12.584	930							
Dry Bulb	4468420	64294	69.1	5.036	930			64.8	23.5	1.6		93
Wet Bulb	3958104	60458	65.0	5.472	930			40.4	6.8			93
Dew Point	3661745	58001	62.4	6.915	930			28.8	2.9			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION — OTIS AFB MA STATION NAME — 68-70,73,75-80 YEARS — JUL MONTH

PAGE 1 — 0900-1100 HOURS (L. S. T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 91										.1								1	1		
/ 89							.2		.1									3	3		
-8/ 87				.1		.2	.8	.2		.1								13	13		
6/ 85			.1			.9	.2	.5	.1	.1								18	18		
4/ 83			.1	.4	.9	1.2	.6	.4	.6	.1								41	41		
2/ 81			.6	.4	1.3	.8	1.0	1.3			.1							51	51	2	
/ 79		.4	1.7	1.8	2.5	2.2	1.1	1.0	.2	.1								102	102	2	2
7-/ 77		.8	2.3	2.7	2.7	1.5	1.6	1.4	.3									123	123	25	5
76/ 75		1.3	2.5	2.4	3.0	2.6	1.2	.5	.3	.2								130	131	51	15
74/ 73	.1	1.6	1.7	3.1	1.8	1.1	1.1	1.0	.1									108	108	111	49
72/ 71		1.1	3.0	1.4	1.9	1.5	1.6	1.0	.8	.1								115	115	97	75
/ 69	.1	1.7	.8	1.5	1.6	2.4	1.1	.5		.2								92	92	123	98
6-/ 67	.2	.9	.9	1.4	.8	1.0	1.0	.3										59	59	124	84
6/ 65	.1	1.3	1.1	.8	.4	.2	.3		.1									40	40	94	91
4/ 63		.9	1.1	.3		.3												24	24	88	75
2/ 61			.1	.1	.1	.1												4	4	86	96
/ 59				.1														1	1	54	89
/ 57		.3	.1															4	4	40	60
5-/ 55																				21	39
4/ 53																				9	44
2/ 51																				2	27
5/ 49																					25
/ 47																					15
4-/ 45																					21
-4/ 43																					14
42/ 41																					1
4 / 39																					1
3 / 37																					1
/ 35																					1
3-/ 33																					1
TOTAL	.5	10.2	16.0	16.6	17.0	15.8	11.7	8.2	2.7	1.1	.1								930		929
																		929		929	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4454561	62765	67.6	15.187	929	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5207497	69397	74.6	5.593	930			85.7	59.1	17.6		93
Wet Bulb	4221882	62406	67.2	5.660	929			53.6	19.1	.2		93
Dew Point	3692584	58116	62.6	7.836	929			32.8	7.1	.1		93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,75-80 JUL
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
./ 91					.2		.1	.1	.1	.1								6	6		
/ 89					.1		.2	.3	.3		.3							12	12		
6/ 87					.2	.1	1.5	.6	.1									24	24		
6/ 85				.3	.2	1.1	1.1	1.1	.5	.5								45	45		
4/ 83			.3	1.3	1.3	2.0	.9	1.1	.8	.1								72	72	2	
/ 81			.9	1.2	1.6	1.5	1.8	1.5	.6	.1	.1							87	87	3	2
/ 79		.3	.6	2.5	3.1	3.0	2.5	1.2	.5	.5								133	133	9	1
7 / 77		.2	1.7	1.5	2.5	1.8	2.8	1.5	.9	.6	.2							128	128	40	13
76/ 75	.1	1.4	1.4	2.6	1.9	1.7	1.3	1.0	1.1	.1								117	117	67	24
74/ 73		.6	1.2	1.1	1.2	.8	1.2	.9	1.2	.1	.2	.1						79	79	122	51
/ 71		.8	1.9	1.8	1.9	1.2	1.0	.4	.3	.2								89	89	90	64
/ 69		.8	1.2	1.0	1.7	1.0	.9	.3										63	63	131	95
6 / 67		.6	.8	1.1	.9		.5											36	36	114	87
6/ 65		.3	.6	.4	.2	.4	.3											22	22	95	90
4/ 63		.3	.6		.5													14	14	77	82
/ 61																				83	73
/ 59			.2															2	2	45	100
5 / 57			.1															1	1	25	56
5 / 55																				20	46
4/ 53																				7	36
2/ 51																					27
5 / 49																					26
/ 47																					21
4 / 45																					20
4/ 43																					6
42/ 41																					4
3 / 37																					2
/ 35																					3
/ 31																					1
T TAL	.1	5.4	11.6	14.7	17.6	14.6	16.0	10.0	6.5	2.5	.9	.1							930		930
																		930		930	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3935838	58846	63.3	15.119	930							
Dry Bulb	5528382	71496	76.9	5.865	930			89.1	70.3	32.5		93
Wet Bulb	4339835	63305	68.1	5.746	930			57.8	24.3	.7		93
Dew Point	3721902	58350	62.7	8.097	930		.1	33.7	9.1	.3		93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA — 68-70,73,75-80 — JUL
STATION — STATION NAME — YEARS — MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
92/ 91						.1												1	1		
90/ 89					.1						.1							2	2		
88/ 87					.2		.4	.1	.3		.1							11	11		
86/ 85				.2	.1	.9	1.2	1.2		.1	.1							35	35		
84/ 83			.1	.3	.8	1.6	1.1	.5	.6									47	47		
82/ 81		.2	.5	.5	1.2	1.6	1.2	1.3	.2	.1								64	64	3	
80/ 79		.2	1.8	2.3	2.0	2.9	1.8	.9	.5	.2	.1							119	119	8	4
78/ 77		.2	1.2	2.6	3.4	1.5	3.1	.6	.6	.4								128	128	16	9
76/ 75	.1	1.6	2.4	2.0	2.7	1.9	1.8	1.0	.4	.1	.3							134	134	53	14
74/ 73	.3	.8	2.0	3.3	1.3	1.9	1.0	1.5	.5									118	118	106	48
72/ 71	.1	.5	1.9	.9	1.5	1.0	1.9	.6	.3									82	82	104	57
70/ 69	.1	.6	2.4	1.7	1.7	1.4	1.5	.6										94	95	123	85
68/ 67		1.0	1.2	1.0	.5	.4	.4											42	42	130	86
66/ 65		.4	1.0	.6	.3	.5	.2											29	29	95	110
64/ 63		.2	.6	.1	.2		.1											12	12	93	86
62/ 61		.1	.2		.2	.1												6	6	76	79
60/ 59			.1															1	1	69	82
58/ 57			.2	.1														3	3	30	72
56/ 55																				15	40
54/ 53																				5	32
52/ 51																				2	36
50/ 49																					33
48/ 47																					30
46/ 45																					14
44/ 43																					6
42/ 41																					2
38/ 37																					1
36/ 35																					2
TOTAL	.6	5.9	15.7	15.7	16.4	15.9	15.8	8.4	3.7	1.0	.8							928	929	928	928

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4170856	60624	65.3	15.067	928							
Dry Bulb	5317357	70099	75.5	5.487	929			87.9	66.0	21.0		93
Wet Bulb	4239258	62514	67.4	5.501	928			54.4	18.6	.5		93
Dew Point	3667082	57888	62.4	7.777	928			30.4	7.5			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4/ 83			.1				.1		.1									3	3		
/ 81					.4	.4	.3	.2										13	13		
/ 79		.3	.3		.9	.8	.3	.2	.1									27	27	1	
7/ 77	.1	1.1	.4	.6	1.6	.5	.8		.1									49	49	6	5
76/ 75	.4	3.5	1.9	2.4	1.7	.8	.5	.1		.1								106	106	24	18
74/ 73	.6	2.7	3.2	4.8	1.5	1.3	.3	.4	.1									139	139	56	34
/ 71	1.0	3.7	4.3	3.5	1.9	.5	.2	.2	.2	.1								145	145	83	46
/ 69	.4	3.9	4.2	3.0	2.7	1.6	.9	.1										156	157	120	83
6 / 67	.1	2.6	3.1	2.9	1.3	.6	1.1	.2										111	111	141	90
6/ 65		1.7	3.0	2.5	1.5	.6	.5											92	92	126	108
4/ 63		1.0	1.5	1.4	.8	.1		.1										45	45	106	108
/ 61		.6	1.0	.6	.5	.2												28	28	93	82
/ 59		.1	.2	.1	.3													7	7	73	98
/ 57			.1	.1														2	2	47	73
5/ 55			.1															1	1	29	48
4/ 53			.1															1	1	15	33
2/ 51		.1																1	1	4	31
5/ 49																				2	29
4 / 47																					15
4/ 45																					14
4/ 43																					8
2/ 41																					1
/ 35																					2
TOTAL	2.7	21.3	23.8	21.9	15.2	7.6	5.1	1.6	.6	.2									927		926
																		926		926	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5477783	70031	75.6	14.008	926	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4654829	65545	70.7	4.690	927			75.2	33.8	2.5		93
Wet Bulb	4010385	60741	65.6	5.310	926			43.3	8.7			93
Dew Point	3635644	57640	62.2	7.186	926			27.7	5.7			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,75-80 JUL
STATION STATION NAME YEARS 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
80/ 79					.1													1	1		
78/ 77	.1	.3	.1		.1	.5												11	11	2	1
76/ 75	1.1	2.4	.8	1.1	.2													51	51	21	18
74/ 73	1.4	3.8	2.1	1.9	.3	.2	.1											91	91	43	34
72/ 71	.9	6.7	5.0	.1	.8													124	124	62	49
70/ 69	1.0	4.8	7.3	1.8	.3	.3	.2		.1									147	149	111	83
68/ 67	.6	4.0	6.7	2.3	.9	.3	.1											138	138	119	87
66/ 65	.8	5.7	3.1	3.7	.5	.2		.1										131	131	116	106
64/ 63	.2	3.2	4.0	2.9	.9	.3	.1											108	108	128	106
62/ 61		1.5	2.2	1.2	.3	.1												49	49	89	99
60/ 59		1.2	1.1	1.3	.8		.1											41	41	81	81
58/ 57		.3	1.5	.2		.1												20	20	70	63
56/ 55		.2	.4	.2														8	8	32	64
54/ 53		.1	.4															5	5	29	39
52/ 51			.1															1	1	16	39
50/ 49																				5	27
48/ 47																				2	8
46/ 45																					13
44/ 43																					3
42/ 41																					1
40/ 39																					3
36/ 35																					2
TOTAL	6.0	34.2	34.8	16.7	5.2	2.2	.6	.1	.1									926	928	926	926

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6472619	76729	82.9	11.140	926	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4276208	62836	67.7	4.817	928			56.6	15.4			93
Wet Bulb	3868978	59624	64.4	5.682	926			36.0	6.6			93
Dew Point	3626378	57578	62.2	7.069	926			27.3	5.3			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
725068	OTIS AFB MA	68-70,73,75-80	JUL

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
92/ 91					.0	.0	.0	.0	.0	.0								8	8		
90/ 89					.0		.1	.0	.1		.1							17	17		
88/ 87				.0	.1	.0	.3	.1	.1	.0	.0							48	48		
86/ 85			.0	.1	.0	.4	.3	.4	.1	.1	.0							99	99		
84/ 83			.1	.3	.4	.6	.3	.3	.3	.0								165	165	2	
82/ 81		.0	.3	.3	.6	.6	.5	.5	.1	.0	.0							222	222	8	2
/ 79		.2	.6	.9	1.1	1.1	.7	.4	.2	.1	.0							395	395	20	7
78/ 77	.0	.4	.8	1.1	1.4	.8	1.1	.4	.2	.1	.0							473	473	90	34
76/ 75	.3	1.9	1.5	1.5	1.4	1.0	.6	.3	.2	.1	.0							662	663	259	114
74/ 73	.9	2.2	1.8	2.3	1.0	.7	.5	.5	.2	.0	.0	.0						764	764	547	297
72/ 71	.9	3.3	3.9	1.4	1.4	.6	.6	.3	.2	.1								943	943	640	459
70/ 69	.8	3.8	3.7	1.6	1.1	1.0	.6	.2	.0	.0								958	962	907	683
68/ 67	.7	2.5	3.4	1.5	.7	.5	.4	.1										718	718	1015	716
66/ 65	.4	3.4	2.5	1.7	.6	.5	.2	.0	.0									697	697	823	807
64/ 63	.3	2.4	2.5	1.3	.7	.2	.0	.0										543	543	851	740
62/ 61	.1	1.6	1.3	.7	.3	.1	.0											305	305	716	697
60/ 59		.7	.8	.4	.2	.1	.0											166	166	608	746
58/ 57		.3	.9	.3	.1	.1												114	114	388	544
56/ 55	.0	.3	.4	.1	.1													63	63	251	413
54/ 53		.2	.3	.1	.0													44	44	151	271
52/ 51		.0	.2	.0														16	16	88	302
50/ 49			.0															3	3	38	224
48/ 47			.0															3	3	20	139
46/ 45																				4	117
44/ 43																					61
42/ 41																					23
40/ 39																					12
38/ 37																					6
36/ 35																					10
34/ 33																					1
32/ 31																					1
TOTAL	4.4	23.1	24.9	15.7	11.2	8.2	6.5	3.6	1.7	.6	.2	.0							7431		7426
																		7426		7426	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	44291727	561595	75.6	15.660	7426							
Dry Bulb	37590174	526202	70.8	6.653	7431			548.4	285.7	75.3		744
Wet Bulb	32138854	486526	65.5	5.955	7426			349.5	92.8	1.4		744
Dew Point	29099542	461550	62.2	7.455	7426		.1	231.6	45.5	.4		744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68 STATION   OTIS AFB MA STATION NAME   68-70,73,75-80 YEARS   AUG MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 79	.3		.1															4	4	3	3
7 / 77	.8	.3	.1	.2	.4													17	17	10	10
76/ 75	1.0	1.6	.3	.3		.1												30	31	11	9
74/ 73	.1	3.8	3.0	1.3	.2	.1												77	78	24	15
72/ 71	1.6	6.3	5.2	.2	.2	.2												122	122	83	57
70/ 69	.2	4.7	7.8	.9	.2													123	123	81	73
68/ 67	.4	2.9	6.3	1.3	.1	.2												101	101	104	78
66/ 65	.1	6.7	3.6	1.3	.1													106	106	103	94
64/ 63	.3	4.9	1.7	1.7	.3													80	80	129	104
62/ 61	.2	3.9	2.5	.8	.7	.1												73	73	81	105
60/ 59	.1	3.4	3.3	.3	.2													65	65	68	74
58/ 57		2.0	1.6	.3														35	35	65	73
56/ 55		.8	.8	1.3														26	26	50	49
54/ 53		.7	.7	.7														18	18	29	48
52/ 51		.2	.6	.1														8	8	20	28
50/ 49		.1		.2														3	3	18	19
4 / 47		.1																1	1	7	16
46/ 45																				3	24
44/ 43																					7
4 / 39																					3
TOTAL	5.3	42.6	37.5	11.2	2.6	.8													891		889
																		889		689	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	6521449	75713	85.2	9.082	889							
Dry Bulb	3967560	59226	66.5	5.876	891			49.7	13.6	.1		93
Wet Bulb	3639840	56604	63.7	6.347	889			33.1	5.0			93
Dew Point	3445828	54970	61.8	7.263	889			25.6	3.9			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068	OTIS AFB MA	68-70,73,75-80	AUG
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
/ 79	.2	.1																3	3	2	2
7 / 77	.7	.2			.2													10	10	8	8
76/ 75	.7	.9	.6	.1			.1											21	21	10	10
74/ 73	.2	4.4	2.3	1.0														71	74	20	12
72/ 71	1.7	5.6	3.8	.3	.1	.1												104	104	76	55
7 / 69	1.1	5.1	6.4	.8	.3	.1												124	124	79	68
6 / 67	.4	3.5	5.8	.6	.2													94	94	100	78
66/ 65	.2	7.2	3.7	1.8	.3	.1												119	119	90	88
64/ 63	.4	4.9	2.3	1.5	.1													83	83	126	106
62/ 61	.2	3.6	2.7	.9		.1												67	67	75	97
/ 59	.2	3.8	1.9	.9	.1													62	62	79	65
/ 57		3.2	1.9	.4	.1													51	51	75	64
5 / 55	.1	1.9	1.7	.9														41	41	50	74
54/ 53		.6	1.1	.2														17	17	36	47
52/ 51		.6	1.2															16	16	30	37
5 / 49		.2	.4	.1														7	7	20	30
4 / 47		.1	.1	.2														4	4	12	16
4 / 45																				3	21
44/ 43																				3	10
42/ 41																					3
4 / 39																					1
3 / 37																					2
TOTAL	6.3	45.9	36.0	9.7	1.6	.4	.1												897		894
																		894		894	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6687797	76937	86.1	8.639	894	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3887783	58791	65.5	6.207	897			44.6	11.2			93
Wet Bulb	3579506	56258	62.9	6.632	894			30.7	4.2			93
Dew Point	3401323	54737	61.2	7.478	894			24.2	3.3			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725[illegible]68 OTIS AFB MA 68-70,73,75-80 AUG
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
6/ 85						.1												1	1		
4/ 83				.2	.2	.2												6	6		
/ 81			.3	.1	.1	.1												6	6		
/ 79		.8	.2	.2	.4	.1												16	16	2	1
7 / 77	.2	.7	1.1	.8	.7	.2	.2											35	35	16	10
76/ 75	.7	2.4	2.1	1.1	1.1	.4	.1											72	72	23	22
74/ 73	.1	4.1	3.0	2.6	.4	.6	.1											98	99	42	16
72/ 71	.9	2.9	5.6	2.1	1.0	.2												114	114	91	69
/ 69	.7	4.6	6.3	2.2	1.9	.4	.4											149	149	81	71
6 / 67	.4	2.2	4.2	2.1	1.2	.4	.1											97	97	119	92
6/ 65	1.0	5.0	3.6	2.2	1.4	.6	.1											125	125	123	93
4/ 63	.1	3.2	.9	1.2	.6	.1												55	56	116	128
2/ 61		2.8	1.2	.9	.4													48	48	97	74
/ 59		.9	1.3	1.2	.2	.1												34	34	60	89
/ 57		.6	.7	.4	.1													16	16	48	61
5 / 55		.8	.3	.7	.1													17	17	29	41
4/ 53			.2															2	2	26	40
2/ 51		.1	.2	.1														4	4	11	33
5 / 49		.4																4	4	9	19
4 / 47				.1														1	1	5	22
4 / 45																				1	12
4/ 43																				1	3
42/ 41																					1
4 / 39																					1
3 / 37																					2
TOTAL	4.1	31.4	31.3	18.3	10.0	3.7	1.1												902		900
																		900		900	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6043371	73019	81.1	11.514	900	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	4291043	61995	68.7	5.779	902			61.3	24.2	1.8		93
Wet Bulb	3832137	58473	65.0	6.072	900			38.6	8.6			93
Dew Point	3567071	56287	62.5	7.217	900			29.0	5.1			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
725068	OTIS AFB MA	68-70,73,75-80	AUG

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 91								.1	.2									3	3		
88/ 89					.1	.1	.2	.2		.1								7	7		
86/ 87				.1	.1	.2	.4	.1	.1									10	10		
84/ 85				.1	.6	.7	.4	.7	.1									23	23		
84/ 83			.2	1.3	.3	1.1	.6	.3	.1									36	36		
80/ 81		.1	.3	1.2	.8	1.8	.8	.7										51	51	3	
78/ 79		.2	1.8	2.4	1.8	2.6	1.6	.7		.1								100	100	13	2
76/ 77		.3	1.2	2.4	3.0	1.9	1.2	.6	.2	.1								99	99	23	15
76/ 75	.2	1.3	1.1	3.6	2.6	2.0	2.0	.7	.2	.2								125	125	58	22
74/ 73		1.1	1.7	3.2	2.6	2.3	2.1	.4	.4									125	125	77	48
72/ 71	.3	.8	2.0	1.2	1.8	1.9	1.1	.4	.2									88	88	98	62
70/ 69	.2	.9	2.1	1.8	1.6	1.2	1.0	.2										81	81	122	63
68/ 67	.1	.8	2.2	.2	1.8	.9	.6	.2										61	61	101	95
66/ 65	.3	2.6	.7	.6	.7	.4	.2											49	49	108	88
64/ 63		.9			.9	.8												23	23	106	110
62/ 61		.3	.1	.1	.3	.1	.2											11	11	76	90
60/ 59		.4																4	4	47	60
58/ 57						.1												1	1	36	49
56/ 55		.2																2	2	19	56
54/ 53																				8	40
52/ 51																				2	37
50/ 49																				1	24
48/ 47																				1	15
46/ 45																					8
44/ 43																					9
42/ 41																					4
38/ 37																					1
36/ 35																					1
TOTAL	1.2	10.0	13.5	18.4	18.8	18.1	12.5	5.3	1.7	.6								899	899	899	899

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4378165	61381	68.3	14.440	899	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5017855	66951	74.5	5.954	899			83.7	59.9	18.2		93
Wet Bulb	4094307	60445	67.2	5.803	899			51.2	18.0	.5		93
Dew Point	3600882	56478	62.8	7.665	899			31.8	9.0			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68	OTIS AFB MA	68-70,73,75-80	AUG
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
6/ 97										.1								1	1		
6/ 95											.2							2	2		
4/ 93									.1	.1								2	2		
/ 91						.1	.1	.3	.2									7	7		
/ 89						.3	.6	.1	.1									10	10		
8/ 87				.1	.3	.9	.7	.3	.7	.1								28	28		
6/ 85				.6	.7	.8	1.0	1.1	.4	.2								43	43		
4/ 83			.4	.2	1.2	2.1	.7	1.3	.1	.2								57	57		
/ 81			.3	1.4	2.8	2.3	2.1	1.7	.6									101	101	6	
/ 79		.2	.8	1.9	2.5	2.2	2.0	2.0	.2	.6								112	112	20	2
7 / 77		.9	.7	2.4	3.8	1.6	1.8	.9	.6	.4								117	117	33	15
6/ 75		.6	.9	1.6	1.8	2.2	2.7	1.8	1.2									114	114	61	34
4/ 73	.1	.1	.8	2.4	2.2	1.9	1.4	.7	.2									89	89	105	31
/ 71		.4	1.1	1.1	.6	1.3	1.7	.3	.1									60	60	98	71
/ 69		.8	1.8	.8	.8	1.6	1.2	.3										65	65	117	70
6 / 67		1.2	1.7	.4	.8	.6	1.0											51	51	91	91
6/ 65	.1	.7		.4	.2	.2	.3	.2										20	20	119	87
4/ 63		1.3	.1		.3	.1	.1											18	18	96	113
/ 61		.1			.1													2	2	73	76
/ 59		.3																3	3	49	54
/ 57																				27	63
5 / 55																				11	48
4/ 53																				5	50
/ 51																				1	29
5 / 49																					20
4 / 47																					30
4 / 45																					10
44/ 43																					3
42/ 41																					2
4 / 39																					3
TOTAL	.2	6.7	8.5	13.4	18.1	18.2	17.3	11.1	4.5	1.8	.2								902		902
																		902		902	

Element (X)	Σx²	Σx	X̄	σx	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3820610	57252	63.5	14.395	902	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	5352606	69258	76.8	6.214	902			88.6	70.4	31.9	.5	93
Wet Bulb	4206282	61376	68.0	5.770	902			54.7	23.2	1.2		93
Dew Point	3616257	56687	62.8	7.721	902			32.4	8.5			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,75-80 AUG
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
96/ 95										.2								2	2		
94/ 93										.1								1	1		
92/ 91								.1										1	1		
90/ 89					.2	.2	.2	.2										8	8		
88/ 87					.4	.4	.3	.1	.2									14	14		
86/ 85				.4	.4	.7	.3	.3	.1									21	21		
84/ 83				.7	.7	1.2	.7	.6	.1		.2							37	37		
82/ 81			.7	.9	1.3	1.7	1.2	.7	.2	.1								61	61	2	
80/ 79		.3	1.8	2.1	2.2	2.4	1.7	1.2	.2	.2								110	110	16	
78/ 77		.4	1.0	3.2	3.4	2.2	1.7	.7	.3	.2								119	119	30	14
76/ 75		.8	1.7	2.7	3.0	2.2	2.0	1.8	.7	.1								134	134	48	32
74/ 73	.1	.4	2.0	2.0	2.1	1.7	2.0	.7	.1	.1								101	101	79	31
72/ 71		.8	1.8	1.2	3.1	1.5	1.0	.2		.1								88	88	105	55
70/ 69	.1	1.5	2.5	1.0	1.4	1.5	1.2	.1										86	86	114	87
68/ 67		1.3	1.7	.2	1.2	1.2	.7											57	57	120	97
66/ 65		1.1	.6	.4	.1	.6	1.0											34	34	111	86
64/ 63		1.4	.1	.1	.1	.3												19	19	97	96
62/ 61		.3	.1	.1	.3													8	8	82	87
60/ 59		.3																3	3	53	79
58/ 57																				24	48
56/ 55																				11	50
54/ 53																				12	44
52/ 51																					31
50/ 49																					31
48/ 47																					16
46/ 45																					9
44/ 43																					7
42/ 41																					3
38/ 37																					1
TOTAL	.2	8.8	13.8	15.0	20.1	17.9	13.9	6.6	2.0	1.2	.2								904		904
																		904		904	

Element (X)	Σx²	Σx	X̄	σx	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4224684	60392	66.8	14.512	904							
Dry Bulb	5132915	67915	75.1	5.826	904			86.4	62.7	20.3	.3	93
Wet Bulb	4139649	60963	67.4	5.617	904			52.9	18.0	.5		93
Dew Point	3613985	56749	62.8	7.555	904			32.5	7.9			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68 OTIS AFB MA 68-70,73,75-80 AUG
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
8/ 87						.1												1	1		
6/ 85					.1	.1				.1								3	3		
4/ 83				.2	.2													4	4		
2/ 81		.2	.2	.6	.1		.1		.1									12	12		
/ 79		1.0	1.0	.2	.1	.1	.2	.1										25	25	4	1
7 / 77	.3	.9	1.1	2.1	.7	.6	.1											52	52	22	11
6/ 75	.1	1.7	2.2	3.1	1.9	.9	.2	.4										95	95	31	20
4/ 73	.2	3.2	4.9	3.7	1.5	.9	.1	.2										133	133	38	44
2/ 71	.3	1.9	4.8	2.2	2.1	.8	.2											111	111	83	32
/ 69	.4	2.8	4.8	4.5	2.2	1.3	.3											148	148	114	79
6 / 67	.1	2.7	4.3	2.4	1.7	.3												104	104	114	96
6/ 65	.2	2.8	2.3	2.2	1.8	.2	.1											87	87	114	101
4/ 63	.1	2.5	1.5	1.5	.6	.4												61	61	133	88
2/ 61		1.3	.9	.7	.2	.3												31	31	87	112
/ 59		.8	.6	1.1														22	22	72	93
5 / 57		.1	.3	.6														9	9	45	67
5 / 55		.1	.2	.1	.1													5	5	20	45
4/ 53			.1															1	1	18	39
2/ 51																				7	38
5/ 49																				1	22
4 / 47																				1	6
4 / 45																					6
4/ 43																					2
2/ 41																					1
4 / 39																					1
TOTAL	1.9	21.9	29.2	25.2	13.3	6.1	1.4	.8	.1	.1									904		904
																		904		904	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5612835	70415	77.9	11.907	904							
Dry Bulb	4487002	63536	70.3	5.335	904			70.8	33.4	3.1		93
Wet Bulb	3928733	59381	65.7	5.586	904			41.8	9.8	.1		93
Dew Point	3609284	56784	62.8	6.856	904			29.1	7.8			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068	OTIS AFB MA	68-70,73,75-80	AUG
STATION	STATION NAME	YEARS	MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 81				.3				.1										4	4		
/ 79	.2	.1	.3		.1													7	7	3	3
7/ 77	.9	.9	.1	.1	.3		.1											22	22	16	13
6/ 75	.8	2.0	.8	.8	.3			.1										43	43	15	14
4/ 73	.6	3.9	5.8	1.9	.3	.1												113	113	31	28
/ 71	.7	4.1	6.3	.8	.8	.1												115	115	79	34
/ 69	.3	4.2	6.4	2.2	.4	.3												126	126	101	80
6/ 67		3.2	4.4	2.5	.1	.2												95	95	101	99
6/ 65		6.4	3.1	2.7	.1													111	111	114	102
4/ 63		5.9	3.1	1.9	.2	.1												101	101	124	85
2/ 61	.3	3.0	1.3	.7	.4													52	52	98	114
/ 59		2.6	2.2	.7	.2													53	53	80	95
/ 57		.9	1.3	1.3	.2													33	33	55	71
5/ 55		.1	1.0	.1														11	11	31	53
4/ 53		.3	.4	.1														8	8	19	32
2/ 51		.2	.3															5	5	20	25
5/ 49		.1		.2														3	3	9	19
4/ 47																				4	17
4/ 45																				2	11
44/ 43																					4
4/ 39																					3
TOTAL	3.8	38.0	37.0	16.3	3.7	.9	.1	.2											902		902
																		902		902	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6410547	75569	83.8	9.389	902							
Dry Bulb	4146253	60943	67.6	5.642	902			54.1	19.5	.8		93
Wet Bulb	3779051	58131	64.4	6.024	902			35.7	6.7			93
Dew Point	3559824	56316	62.4	6.969	902			27.9	6.0			93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | AUG MONTH

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

Temp (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
/ 97										.0								1	1		
6/ 95										.0	.0							4	4		
4/ 93									.0	.0								3	3		
/ 91						.0	.0	.1	.1									11	11		
/ 89					.0	.1	.1	.1	.0	.0								25	25		
8/ 87				.0	.1	.2	.2	.1	.1	.0								53	53		
6/ 85				.1	.2	.3	.2	.3	.1	.0								91	91		
4/ 83			.1	.3	.3	.6	.2	.3	.0	.0	.0							140	140		
/ 81		.0	.2	.6	.6	.7	.5	.4	.1	.0								235	235	11	
/ 79	.1	.3	.8	.9	.9	.9	.7	.5	.1	.1								377	377	63	14
7 / 77	.4	.6	.7	1.4	1.6	.8	.6	.3	.1	.1								471	471	158	96
6/ 75	.4	1.4	1.2	1.7	1.3	1.0	.9	.6	.3	.0								634	635	257	163
4/ 73	.2	2.6	2.9	2.3	1.2	.9	.7	.3	.1	.0								807	812	416	225
/ 71	.7	2.8	3.8	1.2	1.2	.8	.5	.1	.0	.0								802	802	713	435
/ 69	.4	3.1	4.8	1.8	1.1	.8	.5	.1										902	902	809	591
6 / 67	.2	2.2	3.8	1.2	.9	.5	.3	.0										660	660	850	726
6/ 65	.3	4.0	2.2	1.5	.6	.3	.2	.0										651	651	882	739
4/ 63	.1	3.1	1.2	1.0	.4	.2	.0											440	441	917	830
/ 61	.1	1.9	1.1	.5	.3	.1	.0											292	292	669	755
/ 59	.0	1.6	1.2	.5	.1	.0												246	246	508	609
/ 57		.8	.7	.4	.1	.0												145	145	375	496
5 / 55	.0	.5	.5	.4	.0													102	102	221	416
4/ 53		.2	.3	.1														46	46	153	340
2/ 51		.1	.3	.0														33	33	91	258
5 / 49		.1	.1	.1														17	17	58	184
4 / 47		.0	.0	.0														6	6	30	138
4 / 45																				9	101
4/ 43																				4	45
42/ 41																					14
4 / 39																					12
3 / 37																					6
/ 35																					1
TOTAL	2.9	25.6	25.8	16.0	11.0	8.3	5.8	3.0	1.0	.5	.1							7194	7201	7194	7194

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	43699458	550678	76.5	14.664	7194							
Dry Bulb	36283017	508585	70.6	7.102	7201			539.5	295.3	76.2	.8	744
Wet Bulb	31199535	471631	65.6	6.238	7194			338.9	93.6	2.4		744
Dew Point	28414454	449008	62.4	7.363	7194			232.7	51.5			744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725[illegible]68 OTIS AFB MA 68-70,73,75-80 SEP
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
76/ 75		.5																4	4		
74/ 73	1.2	1.2	.7															26	26	16	16
72/ 71		2.0	.9	.4														28	28	10	9
70/ 69	.8	1.1	3.3	.7														50	50	30	21
68/ 67	.2	3.5	2.9	.6	.1													63	63	34	23
66/ 65	.2	4.8	2.7	.2	.2	.1	.1											72	72	74	56
64/ 63	.4	3.6	1.8	1.1	.1	.2												61	61	59	55
62/ 61	.4	4.0	2.2	1.4		.1												69	69	62	57
60/ 59	.6	3.9	3.5	.7	.5													78	78	65	55
58/ 57	.2	3.3	3.3	.4	.2													63	63	65	68
56/ 55		5.1	4.1	.8	.4													88	88	64	39
54/ 53	.2	3.4	2.7	.9	.6													67	67	92	66
52/ 51	.1	3.5	1.9	.6														52	52	63	82
50/ 49	.2	1.8	2.7	.6	.2													47	47	60	80
48/ 47	.4	1.4	.7	.2														23	23	51	44
46/ 45		2.1	1.4		.1													31	31	35	39
44/ 43		.9	.6															13	13	34	36
42/ 41		.6	.1	.2														8	8	17	42
40/ 39		.5																4	4	10	25
38/ 37		.1																1	1	6	17
36/ 35		.2																2	2	3	11
34/ 33																					6
[illegible]/ 29																					3
TOTAL	4.9	47.5	35.6	8.8	2.5	.5	.1												850		850
																		850		850	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6071840	71380	84.0	9.560	850							
Dry Bulb	3015655	50181	59.0	7.912	850			18.1	3.2			90
Wet Bulb	2755392	47894	56.3	8.177	850			9.5	1.7			90
Dew Point	2562378	46016	54.1	9.160	850		.3	7.3	1.7			90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | SEP MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
76/ 75		.4																3	3		
74/ 73	.9	1.1	.1															18	18	13	13
72/ 71		2.6	.5															26	26	9	7
70/ 69	.5	2.6	1.1	.4														38	38	32	25
68/ 67		4.5	2.2	.2														59	60	29	24
66/ 65	.7	5.1	1.5	.6														67	67	61	53
64/ 63		3.6	1.7	.5														48	48	62	46
62/ 61	.6	4.7	2.7	.1	.1	.1		.1										72	74	46	52
60/ 59	.7	4.7	3.1	.6														77	77	69	47
58/ 57	.1	4.1	3.3	.6	.2													71	71	68	67
56/ 55	.1	3.6	3.2	1.1														67	67	67	54
54/ 53	.2	3.9	2.0	1.4	.1													65	65	61	71
52/ 51	.5	2.7	2.7	.7														56	56	67	66
50/ 49		3.7	2.6	.9														61	61	57	48
48/ 47	.1	3.3	1.7	.1														44	44	61	61
46/ 45		1.4	1.9	.2														30	30	56	46
44/ 43		1.2	.7															16	16	34	40
42/ 41		.8	.9	.2														17	17	23	38
40/ 39		.7	.1															7	7	19	38
38/ 37		.4																3	3	7	22
36/ 35																				4	18
34/ 33																					4
32/ 31																					2
30/ 29																					3
TOTAL	4.5	55.0	32.1	7.7	.5	.1		.1											848		845
																		845		845	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
						Mean No. of Hours with Temperature						
Rel. Hum.	6204048	72018	85.2	8.848	845							
Dry Bulb	2930195	49109	57.9	8.147	848			15.4	2.2			90
Wet Bulb	2663171	46889	55.5	8.523	845			8.8	1.4			90
Dew Point	2490741	45175	53.5	9.465	845		.5	7.3	1.4			90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72[illegible]68 OTIS AFB MA 68-70,73,75-80 SEP
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
/ 79				.1														1	1		
7 / 77		.1	.2	.4														6	6		
76/ 75	.1	1.2	.1	.5	.1													17	17	7	2
74/ 73	.1	.8	.8	.4	.1													19	19	13	13
7 / 71	.1	2.0	1.4	.1		.1												32	32	15	10
7 / 69	.5	3.1	1.9	.1	.2	.2	.1											52	52	38	29
6 / 67	.1	3.1	3.9	1.7	.5	.2												80	80	39	33
66/ 65	.5	3.8	2.0	2.1	.9	.5												83	83	64	49
4/ 63	.2	2.7	2.0	.9	.2	.2												54	54	58	56
/ 61	.5	4.5	3.2	1.4	.8													88	88	63	49
/ 59	.4	4.7	4.3	2.1	.9	.2												107	107	90	55
/ 57		3.2	3.4	1.7	.7													76	76	90	78
5 / 55		2.4	2.7	1.7	.7													63	63	76	70
54/ 53		1.8	2.2	1.1														43	43	62	59
2/ 51	.1	2.6	2.1	.4	.1													45	45	63	77
5 / 49		1.2	1.4	.4	.4													28	28	64	58
/ 47		1.2	1.4	.1														23	23	41	58
4 / 45		.7	.6	.1														12	12	22	43
4/ 43		.4	.2															5	5	19	38
2/ 41		.6	.5															9	9	12	27
4 / 39		.2	.2															4	4	7	22
3 / 37																				3	9
3 / 35																				1	6
3 / 33																					3
2/ 31																					2
3 / 29																					1
TOTAL	2.6	40.1	34.7	15.1	5.8	1.5	.1											847	847	847	847

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5733436	69108	81.6	10.586	847							
Dry Bulb	3174925	51463	60.8	7.538	847			22.0	4.6	.1		90
Wet Bulb	2857304	48754	57.6	7.763	847			11.9	2.1			90
Dew Point	2626135	46569	55.0	8.814	847		.3	9.2	1.6			90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT- WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68 OTIS AFB MA 68-70,73,75-80 SEP
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
6/ 87						.1	.2	.1										4	4		
6/ 85					.2	.1	.1	.1										5	5		
4/ 83				.2	.1	.4					.1							7	7		
/ 81			.1	.2	.2	.2					.1							8	8		
/ 79			.1	.5	.7	.1	.2	.1	.1									16	16		
7 / 77		.4	.5	.7	1.3	.1	.1	.2	.1									29	29	9	
76/ 75		.8	.8	1.3	.6	.4	.4	.2										38	38	14	7
74/ 73		.6	1.1	1.3	.7	1.3	.8	.5	.5	.1								58	58	21	19
/ 71		.7	1.7	1.1	2.8	1.5	.8	.5	.1									78	78	31	13
/ 69		.8	2.8	1.9	2.5	2.0	2.3	.4										107	107	39	33
6 / 67		2.4	1.1	1.2	2.4	1.7	1.9	.5	.2									95	95	47	33
6/ 65	.4	.8	1.4	2.4	2.5	2.0	1.4	.4										95	96	74	52
4/ 63	.1	1.3	1.3	1.8	1.7	2.3	1.2	.1										82	82	71	46
/ 61		2.5	.5	2.5	2.6	1.4	.5	.1										85	85	84	37
/ 59		1.4	.5	1.7	.8	1.4	.4											52	52	96	70
/ 57		1.1	.7	1.1	1.5	1.1	.1											47	47	101	66
5 / 55		.7		.7	.5	.4												19	19	78	65
4/ 53		.7			.4	.2												11	11	75	58
2/ 51		.4	.4			.1												7	7	45	70
5 / 49																				35	76
4 / 47																				16	44
4 / 45																				4	52
4/ 43																				3	27
/ 41																					29
4 / 39																					24
3 / 37																					12
/ 35																					3
3 / 33																					6
2/ 31																					1
T TAL	.5	14.6	12.9	18.5	21.6	16.8	10.4	3.2	1.1	.1	.2								844		843
																		843		843	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4001929	56585	67.1	15.556	843							
Dry Bulb	3838854	56646	67.1	6.625	844			47.5	17.6	3.6		90
Wet Bulb	3113710	50906	60.4	6.863	843			17.2	4.7			90
Dew Point	2642194	46562	55.2	9.144	843		.1	11.2	2.8			90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068	OTIS AFB MA	68-70,73,75-80	SEP
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
92/ 91										.1	.1							2	2		
90/ 89						.2		.1		.1								4	4		
88/ 87						.2	.5	.2										8	8		
86/ 85				.1	.1	.1	.2				.1							6	6		
84/ 83				.4	.2	.5	.4		.5	.1	.1							18	18		
82/ 81			.1	.5	.5	.1	.1											11	11		
80/ 79			.6	.5	.9	.1	.2											20	20	3	
78/ 77		.1	.9	.4	1.3	1.1	.4	.6	.2		.2							44	44	12	
76/ 75		.4	.2	.8	.7	2.1	2.1	1.1		.2								65	65	17	12
74/ 73	.2	.2	1.4	2.2	1.7	1.8	1.5	1.3	.6	.1								94	94	34	19
72/ 71			1.8	.9	1.8	1.4	2.7	1.2	.4									86	86	16	12
70/ 69		.4	1.7	1.3	1.8	2.0	2.4	1.5	.4									96	96	38	25
68/ 67		1.3	1.2	1.3	1.8	2.7	2.2	.7	.1									96	96	67	34
66/ 65	.2	1.2	.7	1.2	1.8	1.7	2.1	.8										82	82	81	55
64/ 63		.5	.9	1.7	1.3	1.9	.8	.4										63	63	76	44
62/ 61		1.2	.8	.5	2.4	1.2	.7	.4										60	60	77	45
60/ 59		1.5	.5	.5	.8	1.4	.5											44	44	101	62
58/ 57	.1	.8	.2	.5	.7	.5	.5											28	28	111	59
56/ 55		.2		.2	.4													7	7	62	69
54/ 53		1.1	.5															13	13	67	69
52/ 51																				46	64
50/ 49																				25	59
48/ 47																				14	56
46/ 45																					48
44/ 43																					37
42/ 41																					30
40/ 39																					24
38/ 37																					10
36/ 35																					7
34/ 33																					6
32/ 31																					1
TOTAL	.6	8.9	11.6	12.9	18.1	19.0	17.4	8.3	2.1	.7	.6								847		847
																		847		847	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3521826	52900	62.5	16.049	847							
Dry Bulb	4106439	58681	69.3	6.958	847			58.4	28.9	6.2		90
Wet Bulb	3212121	51837	61.2	6.847	847			19.9	7.0			90
Dew Point	2647672	46698	55.1	9.292	847		.1	10.8	3.3			90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
90/ 89									.1									1	1		
88/ 87						.1												1	1		
86/ 85					.1			.1										2	2		
84/ 83				.1	.2			.2		.1								6	6		
82/ 81				.1	.4			.2	.4									9	9		
80/ 79			.2	.5	.5	.2		.4	.1									16	16		
78/ 77		.9	.6	1.1	.7	.1	.2	.1	.1									33	33	5	
76/ 75	.1	.8	.6	1.3	.8	.9	.6	.2		.1								47	47	20	9
74/ 73		.4	.6	.9	1.1	1.3	.8	.5	.4									50	50	17	21
72/ 71		.2	2.7	1.6	2.0	1.5	1.2	.4	.5									86	86	26	7
70/ 69		1.5	2.1	1.9	2.5	2.6	1.9	.2	.2									110	110	31	23
68/ 67	.1	2.0	1.6	1.8	2.5	2.7	1.9	.8	.4									117	117	59	38
66/ 65		1.1	1.6	1.8	3.4	2.1	1.1	.5										98	98	78	53
64/ 63		.6	.8	2.5	1.6	2.3	.5											71	71	70	46
62/ 61		.8	1.6	2.0	2.1	1.6	.2	.2										74	74	79	34
60/ 59		1.3	.7	1.3	1.9	.9	.4	.1										56	56	105	61
58/ 57	.2	1.3	.5	.6	1.1	1.2												41	41	118	65
56/ 55		.5	.2	.5	.8													17	17	77	83
54/ 53		.4	.6	.6														13	13	77	74
52/ 51		.4	.1	.1														5	5	43	70
50/ 49																				29	52
48/ 47																				18	80
46/ 45																				1	40
44/ 43																					33
42/ 41																					27
40/ 39																					17
38/ 37																					10
36/ 35																					6
34/ 33																					1
32/ 31																					2
30/ 29																					1
TOTAL	.5	12.1	14.7	18.5	21.6	17.7	8.7	4.0	2.1	.2									853		853
																		853		853	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3975965	56719	66.5	15.493	853							
Dry Bulb	3899209	57413	67.3	6.401	853			50.4	17.4	3.0		90
Wet Bulb	3149664	51526	60.4	6.608	853			16.7	4.4			90
Dew Point	2659764	47026	55.1	8.882	853		.3	10.3	3.2			90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION   OTIS AFB MA STATION NAME   68-70,73,75-80 YEARS   SEP MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
7 / 77		.1	.5	.4														8	8		
76/ 75	.2	.9	.2	.4	.4		.1											19	19	3	2
4/ 73	.7	.7	.9	.5	.4													27	27	23	19
7/ 71		1.3	1.9	.2	.4	.1												33	33	14	8
/ 69		1.5	2.2	.6	1.3	.1	.1											50	50	23	20
6 / 67	.2	3.4	4.9	2.5	.6	.5												103	103	49	27
6/ 65		3.4	2.7	2.7	.8	.1	.1											84	84	56	44
4/ 63		3.5	2.6	2.7	1.8	.1	.2	.1										94	94	78	57
/ 61	.2	1.8	3.5	4.2	1.2	.5												97	97	76	56
/ 59		2.2	3.9	2.6	.8	.5												85	85	72	69
/ 57	.1	4.4	3.6	2.3	.8	.1												98	98	103	49
5/ 55	.1	1.8	1.4	1.2	1.1	.1												48	48	111	100
4/ 53		1.3	2.2	1.5	.5	.2												49	49	75	91
/ 51		.9	1.8	.8														30	30	53	81
5 / 49		.2	1.2	.5														16	16	51	49
4 / 47		.7	.7															12	12	34	61
4 / 45			.1															1	1	26	35
4/ 43		.1																1	1	7	28
2/ 41																				1	25
4 / 39																					29
3 / 37																					1
/ 35																					1
3 / 33																					3
TOTAL	1.6	28.3	34.3	22.9	9.8	2.3	.6	.1											855		855
																		855		855	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5358356	67000	78.4	11.249	855							
Dry Bulb	3352494	53250	62.3	6.497	855			25.3	5.7			90
Wet Bulb	2953148	49904	58.4	6.877	855			11.8	2.7			90
Dew Point	2670088	47264	55.3	8.195	855			8.0	2.2			90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
725068	OTIS AFB MA	68-70,73,75-80	SEP

PAGE 1 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
76/ 75		.9	.2	.2														12	12	2	
74/ 73	.6	1.2	.6															20	20	16	16
72/ 71	.2	1.3	1.5	.2														28	28	12	13
70/ 69	.2	1.8	2.3	.6	.2													44	44	28	14
6 / 67	.2	4.8	3.7	1.2	.4		.1											89	89	35	29
66/ 65		4.4	1.4	1.4														62	62	65	46
4/ 63		3.5	3.2	2.1	.5	.2												81	81	71	54
62/ 61	.4	3.6	2.2	2.6	.5													79	79	68	58
6 / 59	.1	3.9	4.3	.8	.4	.1		.1										83	83	57	65
5 / 57		4.3	4.7	.8	.8													91	91	88	56
56/ 55		4.2	3.4	1.3	.8													83	83	103	70
4/ 53	.1	3.4	2.0	1.1	.1	.1												58	58	80	86
2/ 51		2.5	1.8	.5	.4													43	43	62	89
5 / 49		.9	1.4	.2	.4													25	25	56	70
4 / 47		1.5	1.8		.1													29	29	37	40
46/ 45		1.5	.7															19	19	30	32
44/ 43		.7	.2															8	8	33	34
42/ 41		.1																1	1	10	43
4 / 39																				2	27
3 / 37	.1	.1																2	2	1	5
36/ 35																				1	5
34/ 33																					2
2/ 31																					1
/ 29																					1
2 / 25																					1
TOTAL	2.0	44.6	35.4	13.0	4.4	.5	.1	.1											857		857
																		857		857	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5916958	70684	82.5	10.085	857							
Dry Bulb	3146115	51555	60.2	7.226	857			20.3	3.4			90
Wet Bulb	2847050	48974	57.1	7.519	857			9.8	1.9			90
Dew Point	2627810	46882	54.7	8.588	857		.3	7.6	1.7			90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | SEP MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 91										.0	.0							2	2		
/ 89						.0		.0	.0	.0								5	5		
6/ 87						.1	.1	.0										13	13		
6/ [illegible]				.0	.1	.0	.0	.0			.0							13	13		
4/ 83				.1	.1	.1	.0	.0	.1	.0	.0							31	31		
/ 81			.0	.1	.1	.0	.0	.0	.0		.0							28	28		
/ 79			.1	.2	.3	.1	.1	.1	.0									53	53	3	
7/ 77		.2	.3	.4	.4	.2	.1	.1	.1		.0							120	120	26	
76/ 75	.1	.7	.3	.6	.3	.4	.4	.2		.0								205	205	63	32
74/ 73	.5	.8	.8	.7	.5	.5	.4	.3	.2	.0								312	312	153	136
/ 71	.0	1.3	1.5	.6	.9	.6	.6	.3	.1									397	397	133	79
7/ 69	.3	1.6	2.2	.9	1.1	.9	.8	.3	.1									547	547	259	190
6/ 67	.1	3.1	2.7	1.3	1.0	1.0	.8	.3	.1									702	703	359	241
66/ 65	.3	3.1	1.8	1.5	1.2	.8	.6	.2										643	644	553	408
4/ 63	.1	2.4	1.8	1.6	.9	.9	.3	.1										554	554	545	404
/ 61	.3	2.9	2.1	1.8	1.2	.6	.2	.1										624	626	555	388
/ 59	.2	3.0	2.6	1.3	.8	.6	.1	.0										582	582	655	484
/ 57	.1	2.8	2.5	1.0	.8	.4	.1											515	515	744	508
5/ 55	.0	2.3	1.9	.9	.6	.1												392	392	638	550
4/ 53	.1	2.0	1.5	.8	.2	.1												319	319	589	574
2/ 51	.1	1.6	1.3	.4	.1	.0												238	238	442	599
5/ 49	.0	1.0	1.2	.3	.1													177	177	377	492
4/ 47	.1	1.0	.8	.1	.0													131	131	272	444
4/ 45		.7	.6	.0	.0													93	93	174	335
44/ 43		.4	.2															43	43	130	273
42/ 41		.3	.2	.1														35	35	63	261
4 / 39		.2	.0															15	15	38	206
3/ 37	.0	.1																6	6	17	86
/ 35		.0																2	2	9	57
34/ 33																					31
/ 31																					9
3/ 29																					9
/ 25																					1

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
725[illegible]68	OTIS AFB MA	68-70,73,75-80	SEP

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
TOTAL	2.1	31.4	26.4	14.7	10.5	7.3	4.7	2.0	.7	.1	.1								6801		6797
																		6797		6797	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	40784358	516394	76.0	15.112	6797	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	27433886	428298	63.0	8.238	6801			257.2	82.8	12.8		720
Wet Bulb	23551560	396684	58.4	7.676	6797			105.5	26.0			720
Dew Point	20926782	372192	54.8	8.965	6797		2.0	71.8	17.8			720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,75-80 OCT
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
68/ 67		.1																1	1		
66/ 65		1.5	1.4															27	27	6	2
64/ 63	.1	3.2	.8	.2														40	40	23	13
62/ 61	.2	4.2	1.6	.1														57	57	44	39
60/ 59	.4	5.2	3.2	.8	.3													92	92	54	44
58/ 57	.3	4.8	1.5	.3	.1		.1											66	67	69	42
56/ 55		2.4	1.3	.6	.3	.2												45	48	76	63
54/ 53	.1	3.2	1.4	1.3	.6	.5												67	67	38	64
52/ 51		4.5	4.4	1.8	1.2													111	111	51	47
50/ 49		1.9	2.2	1.5	.8													59	59	67	53
48/ 47		1.9	.6	2.1	1.0	.1	.1											54	54	64	50
46/ 45		1.9	2.5	1.4	.1													55	55	80	39
44/ 43		1.9	2.1	1.9	.3													58	58	37	45
42/ 41		2.3	1.7	1.5	.3													54	54	69	42
40/ 39		1.4	3.2	.3	.1													47	47	60	44
38/ 37		1.0	1.6	.5	.1													30	30	58	57
36/ 35		1.1	2.2	.1														31	31	44	54
34/ 33		.5	.5	.5														15	15	37	44
32/ 31		.2	.1	.3														6	6	25	62
30/ 29	.3	.1	.2															6	6	9	39
28/ 27		.1	.2															3	3	10	30
26/ 25			.1															1	1	1	21
24/ 23																				2	9
22/ 21																				1	4
20/ 19																					10
18/ 17																					4
16/ 15																					1
12/ 11																					2
10/ 9																					1
TOTAL	1.5	43.7	33.0	15.5	5.3	.9	.2												929		925
																		925		925	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5842738	72496	78.4	13.197	925							
Dry Bulb	2447563	46989	50.6	8.738	929		1.6	.1				93
Wet Bulb	2159576	43854	47.4	9.332	925		4.8					93
Dew Point	1897253	40553	43.8	11.366	925		18.4					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725'68 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — 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 / 67		.3	.2															5	5		
6/ 65		1.8	.3															20	20	5	2
4/ 63		2.5	.5	.2														30	30	24	9
2/ 61	.4	3.7	1.4															51	51	30	33
/ 59	.8	4.6	2.4	.1	.2	.1												76	76	54	43
/ 57	.3	5.3	2.4	.5														79	79	72	46
5 / 55	.1	3.5	1.5	.5	.1	.3												56	56	70	64
4/ 53	.2	3.8	2.4	.6	.2	.2												69	72	52	71
2/ 51	.1	3.7	3.0	2.2	.3	.2												88	88	50	35
5 / 49		2.3	2.5	2.3	.2													67	67	65	59
4 / 47		2.8	2.0	1.7	.5													66	66	59	47
4 / 45		1.4	1.3	1.7	.4													45	45	73	39
4/ 43		1.7	1.2	.6	.2													35	35	48	48
2/ 41	.1	1.5	3.3	1.2														57	57	56	45
4 / 39		2.2	3.8	1.2														66	66	50	53
3 / 37		2.2	1.9	.4														42	42	68	40
/ 35		1.5	1.7	.1														31	31	56	50
3 / 33		.5	1.0	.2														16	16	35	52
2/ 31		.9	.3	.2														13	13	27	71
/ 29	.1	.2	.6	.1														10	10	15	35
2 / 27	.1	.1																2	2	6	34
/ 25			.3															3	3	9	17
/ 23																					15
2/ 21																				3	
/ 19																					10
1 / 17																					1
1 / 15																					5
1 / 11																					3
TOTAL	2.3	46.4	34.2	14.0	2.3	.9													930		927
																		927		927	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	6007256	73794	79.6	11.979	927							
Dry Bulb	2381927	46313	49.8	9.020	930		2.8	.5				93
Wet Bulb	2123661	43485	46.9	9.513	927		6.0					93
Dew Point	1878460	40392	43.6	11.311	927		19.2					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
725 68	OTIS AFB MA	68-70,73,75-80	OCT

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	Dry Bulb	TOTAL Wet Bulb	Dew Point
7 / 69			.4	.1														5	5		
6 / 67		.4	.9	.1														13	13	1	
66/ 65		1.5	.5	.2	.1													22	22	13	5
64/ 63	.1	2.5	1.0	.3														36	36	23	17
2/ 61	.1	3.7	1.1	.4	.1	.1												51	51	37	21
/ 59	.5	7.4	1.2	.4	.6													94	95	62	48
5 / 57		4.3	2.8	1.4	.4	.2												85	85	70	63
5 / 55	.1	2.1	2.8	1.4	.2	.3	.1											65	66	64	61
4/ 53	.2	2.7	3.0	1.0	.4													68	69	54	49
2/ 51	.1	3.0	3.2	.9	.8	.2												76	76	68	48
5 / 49		1.2	2.8	2.3	1.1													68	68	67	59
4 / 47		1.7	3.4	2.6	.8													78	78	64	56
4 / 45		1.6	1.9	2.2	.9													61	61	52	53
44/ 43		1.2	1.0	1.2	.3													34	34	77	45
2/ 41		.8	2.2	1.2														38	38	56	39
4 / 39		2.3	2.1	1.2														51	51	41	51
3 / 37		1.1	1.5	.2														26	26	66	44
3 / 35	.1	.6	1.4	.2														22	22	37	59
3 / 33		1.0	.1	.1														11	11	32	50
2/ 31		.3	.5	.1														9	9	18	50
/ 29	.1	.1	.5	.1														8	8	7	29
2 / 27		.3																3	3	6	32
/ 25			.1															1	1	9	20
2 / 23																					6
2/ 21																				1	3
2 / 19																					8
1 / 15																					7
1 / 13																					1
1 / 11																					1
TOTAL	1.4	39.8	34.5	17.6	5.7	.9	.1												928		925
																		925		925	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5724674	71822	77.6	12.657	925							
Dry Bulb	2509620	47570	51.3	8.761	928		2.1	1.8				93
Wet Bulb	2206636	44364	48.0	9.240	925		4.1	.1				93
Dew Point	1929162	40962	44.3	11.167	925		15.8					93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 (STATION) OTIS AFB MA (STATION NAME) 68-70,73,75-80 (YEARS) OCT (MONTH)

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
7 / 77					.1		.1											2	2		
76/ 75					.1	.3	.2											6	6		
74/ 73			.1	.3	.2	.1	.1	.1										9	9		
/ 71		.1	.3	.1	1.3		.1		.1									19	19	1	
/ 69		.3	1.2	1.3	.8	.4	.1											38	38	5	1
6 / 67	.1	.6	1.7	.8	1.1	.3	.4	.4	.2	.1								54	54	14	6
6/ 65		1.6	1.2	2.0	.8	1.0	.5	.2										68	68	33	15
4/ 63	.1	1.4	1.1	1.0	1.2	.8	.4											55	55	50	21
/ 61		2.0	1.5	2.4	1.5	.5	.6	.2										82	82	52	47
/ 59		1.7	3.5	1.7	.9	1.4	.6	.3										95	95	63	46
/ 57		2.0	1.4	1.8	1.8	1.4	.3	.1										83	83	61	47
5 / 55		1.0	1.4	2.2	2.3	1.7	.2											81	81	88	59
4/ 53		.9	1.3	1.8	2.8	1.9	.1											82	82	59	45
2/ 51		1.0	1.0	1.4	3.3	1.0	.1											72	72	67	59
/ 49		.8	1.1	2.0	1.9	1.5												68	68	78	55
4 / 47		.3	.6	1.6	1.8	.8												48	48	73	50
4 / 45			.5	.2	1.6	.2												24	24	80	51
4/ 43		.2	.3	.8	.9													20	20	68	42
2/ 41		.1		.2	.2													5	5	47	44
4 / 39		.1		.2	.4													7	7	37	54
3 / 37				.2	.2	.1												5	5	27	52
/ 35				.3	.1													4	4	7	69
3 / 33																				7	33
2/ 31																				4	29
/ 29				.3														3	3	6	27
2 / 27																					31
/ 25																				3	18
2/ 23																					6
2/ 21																					9
/ 19																					6
1 / 17																					1
1/ 15																					5
/ 13																					1
1 / 11																					1

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | OCT MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL	.2	14.2	13.3	22.7	25.3	13.4	4.1	1.4	.3	.1									930		930
																		930		930	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4208552	60766	65.3	16.010	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3128557	53433	57.5	7.940	930		.3	12.8	1.7			93
Wet Bulb	2531072	47872	51.5	8.483	930		1.3	2.0				93
Dew Point	2028985	42099	45.3	11.519	930		13.4	.7				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725.68 OTIS AFB MA 68-70,73,75-80 OCT
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 81						.2												2	2		
78/ 79						.1		.2										3	3		
76/ 77						.1	.1		.1									3	3		
74/ 75					.1	.4	.4	.2										11	11		
74/ 73			.2	.1	.9	.5	.1		.1									18	18		
70/ 71			1.0	2.0	.9	.9	.2		.2									48	48	3	
68/ 69		.1	1.7	1.0	1.4	.3	.2	1.1	.2	.5								61	61	4	
66/ 67		.2	1.1	1.9	1.0	.8	.6	.6	.1	.2								61	61	26	5
66/ 65	.3	.9	1.0	1.3	1.8	.9	.3	.3	.2									65	65	48	25
64/ 63	.2	.4	.9	1.0	2.8	1.1	.6	1.0	.1									75	75	48	26
62/ 61	.2	1.0	1.3	1.2	1.7	.5	.9	1.0	.1									73	73	64	43
60/ 59	.1	1.2	1.4	1.9	1.6	1.8	1.3	.1										88	88	38	34
58/ 57		1.2	.8	1.0	2.3	1.6	1.1	.4										77	77	69	52
56/ 55		1.1	1.0	1.4	2.7	2.5	1.2	.3										94	94	87	58
54/ 53		1.0	.6	.5	1.8	1.7	.4											57	57	64	39
52/ 51		.9	1.2	1.1	2.7	2.3	.8											82	82	65	58
50/ 49		.4	.5	.6	1.2	1.4	.3											42	42	91	52
48/ 47		.3	.4	.5	1.0	.8												28	28	80	54
46/ 45			.3	.4	.4	.3												14	14	75	42
44/ 43		.1	.2	.2	.1													6	6	53	45
42/ 41		.3	.1	.1	.4	.2												11	11	50	48
40/ 39		.2	.1	.1	.2													6	6	35	44
38/ 37					.2	.1												3	3	10	55
36/ 35																				9	61
34/ 33																				5	44
32/ 31																				1	46
30/ 29				.1														1	1	3	27
28/ 27																					24
26/ 25																				1	16
24/ 23																					13
22/ 21																					9
20/ 19																					2
18/ 17																					3
16/ 15																					1

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION   OTIS AFB MA STATION NAME   68-70,73,75-80 YEARS   OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
1 / 11																					3
TOTAL	.9	9.3	13.8	16.6	25.2	18.5	8.6	5.3	1.2	.8									929		929
																		929		929	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3714734	56532	60.9	17.202	929							
Dry Bulb	3362023	55387	59.6	8.031	929		.1	20.7	3.7	.3		93
Wet Bulb	2616979	48701	52.4	8.300	929		.5	3.3				93
Dew Point	2020131	41959	45.2	11.607	929		14.4	.5				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
725068	OTIS AFB MA	68-70,73,75-80	OCT

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
78/ 77					.1													1	1		
76/ 75				.1														1	1		
74/ 73				.1	.1	.1	.1	.1										5	5		
72/ 71			.3	.8	.5	.4	.1											20	20		
70/ 69		.5	1.4	1.2	.8	.2		.2	.1	.1								42	42	3	1
68/ 67		.8	1.9	.6	.6	.3	.3	.2	.2									47	47	19	4
66/ 65	.2	1.5	1.5	2.0	1.0	.9	.3	.2		.1								72	72	33	17
64/ 63		1.1	1.6	.9	1.6	.6	.4	.2										60	60	48	27
62/ 61	.2	1.5	1.1	2.5	1.4	.5	.5	.1	.1									74	74	38	43
60/ 59	.3	1.1	3.1	2.3	1.1	1.4	.8	.4										97	97	65	33
58/ 57	.1	2.0	2.0	1.5	1.8	.8	1.2	.1										89	89	52	48
56/ 55	.1	.8	1.7	2.3	2.0	1.9	.9	.2										92	92	100	51
54/ 53		1.7	1.5	1.8	2.4	1.5	.6											89	89	71	50
52/ 51		.8	1.3	1.4	1.8	1.8	.5											71	71	71	71
50/ 49		.8	1.2	1.4	1.1	1.5	.3											58	58	76	52
48/ 47			.6	1.0	.8	1.1												32	32	76	57
46/ 45		.4	1.0	1.1	.8	.5												35	35	77	44
44/ 43		.3	.3	.8	.5	.1												19	19	61	52
42/ 41		.2	.4	.2	.3	.2												13	13	53	56
40/ 39			.2	.1	.2													5	5	34	34
38/ 37		.1	.1		.1													3	3	24	60
36/ 35		.2		.1	.1													4	4	15	50
34/ 33					.1													1	1	8	31
32/ 31																				2	45
30/ 29																				2	33
28/ 27																				1	23
26/ 25																				1	13
24/ 23																					12
22/ 21																					10
20/ 19																					5
18/ 17																					4
16/ 15																					1
10/ 9																					1
/ 7																					2

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION — OTIS AFB MA STATION NAME — 68-70,73,75-80 YEARS — OCT MONTH

PAGE 2 — 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
TOTAL	1.0	13.8	21.4	22.0	19.2	14.0	6.1	1.8	.4	.2								930	930	930	930

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4272418	61020	65.6	17.008	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	3118387	53385	57.4	7.618	930			11.6	.7			93
Wet Bulb	2522346	47822	51.4	8.252	930		.6	2.2				93
Dew Point	2023402	42032	45.2	11.541	930		14.9	.5				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69	.1	.1	.6	.4														12	12	1	1
68/ 67		.4	.6	.1	.2													13	13	3	2
66/ 65	.1	3.4	.5	.2	.1	.1												42	42	14	6
64/ 63	.3	2.9	1.4	1.4		.2												58	58	47	24
62/ 61		2.7	1.7	.8	.5													53	53	35	38
60/ 59	.3	2.9	3.0	.6	.4		.3	.1										72	72	52	40
58/ 57	.2	3.4	3.0	1.9	.9	.1	.2											91	91	66	41
56/ 55		2.2	3.3	1.4	.4		.1											69	69	58	60
54/ 53		2.6	3.3	2.5	.9	.5												91	91	70	61
52/ 51		3.8	2.9	2.6	.8	1.4												106	106	74	39
50/ 49		1.3	1.8	1.9	1.8	.5												69	69	87	71
48/ 47		1.4	1.4	2.5	1.4	.3												65	65	67	84
46/ 45		1.1	1.3	1.0	.8													38	38	60	33
44/ 43		.8	1.8	1.1	.5													39	39	57	35
42/ 41	.1	.4	1.5	1.4	.5													37	37	77	59
40/ 39		.4	1.6	1.1	.1													30	30	43	58
38/ 37		.8	.8	.8														21	21	32	43
36/ 35	.1	.5	.5	.3														14	14	41	34
34/ 33		.1		.3														4	4	27	33
32/ 31		.2	.1	.2														5	5	7	64
30/ 29				.1														1	1	7	28
28/ 27																				2	28
26/ 25																				2	17
24/ 23																				1	9
22/ 21																					12
20/ 19																					5
18/ 17																					2
10/ 9																					2
8/ 7																					1
TOTAL	1.3	31.4	31.4	22.6	9.4	3.2	.6	.1											930		930
																		930		930	

Element (X)	Σx²	Σx	X̄	σx	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5368122	69362	74.6	14.485	930							
Dry Bulb	2677550	49332	53.0	8.085	930		.6	2.5				93
Wet Bulb	2316702	45694	49.1	8.779	930		1.9	.4				93
Dew Point	1984698	41672	44.8	11.243	930		16.8	.3				93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | OCT MONTH

PAGE 1 | 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
70/ 69				.3														3	3		
68/ 67		.4	.1		.1													6	6	3	
66/ 65		2.3	.5	.2														28	28	4	4
64/ 63	.3	2.2	1.8	.2			.1											43	43	34	14
62/ 61	.2	4.3	1.4	.2		.1												58	58	32	38
60/ 59		4.4	2.6	.9	.5	.1	.1											80	80	60	35
5 / 57	.4	4.4	2.3	.3	.1	.1												71	71	66	52
56/ 55		2.4	1.5	1.1	.8	.1	.3											57	57	64	64
54/ 53	.1	3.5	2.5	1.3	1.6	.1												85	85	47	57
52/ 51		4.3	3.1	2.2	1.2													100	100	64	49
50/ 49	.1	2.8	2.4	1.4	1.8													79	79	74	57
48/ 47		1.0	1.1	2.2	1.1													49	49	80	54
46/ 45		1.9	1.3	1.6	.9													53	53	56	43
44/ 43		1.0	2.4	2.8														57	57	57	36
42/ 41		1.7	1.9	1.1	.2													46	46	57	53
40/ 39		.8	.4	.8	.1													19	19	73	44
3 / 37	.1	.8	1.7	.8	.2													33	33	47	57
36/ 35		1.4	1.5	.3														30	30	25	56
34/ 33		.1	1.0	.4														14	14	38	29
32/ 31	.1	.8	.4															12	12	22	62
3 / 29	.2	.2																4	4	16	45
28/ 27			.1	.2														3	3	8	35
26/ 25																					16
24/ 23																				3	8
22/ 21																					8
20/ 19																					10
1 / 17																					1
10/ 9																					3
TOTAL	1.6	40.5	30.0	18.2	8.6	.5	.5											930	930	930	930

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5697722	71642	77.0	13.874	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2506766	47606	51.2	8.671	930		1.9	.9				93
Wet Bulb	2203116	44446	47.8	9.220	930		4.9	.3				93
Dew Point	1913821	40857	43.9	11.312	930		18.8					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,75-80 OCT
STATION STATION NAME YEARS 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
82/ 81						.0												2	2		
80/ 79						.0		.0										3	3		
78/ 77					.0	.0	.0		.0									6	6		
76/ 75				.0	.0	.1	.1	.0										18	18		
74/ 73			.0	.1	.1	.1	.0	.0	.0									32	32		
72/ 71		.0	.2	.4	.3	.2	.1		.0									87	87	4	
70/ 69	.0	.1	.7	.5	.4	.1	.0	.2	.0	.1								161	161	13	3
68/ 67	.0	.4	.8	.4	.4	.2	.2	.2	.1	.0								200	200	66	17
66/ 65	.1	1.8	.9	.8	.5	.4	.1	.1	.0	.0								344	344	156	76
64/ 63	.1	2.0	1.1	.6	.7	.3	.2	.1	.0									397	397	297	151
62/ 61	.2	2.9	1.4	.9	.7	.2	.3	.2	.0									499	499	332	302
60/ 59	.3	3.6	2.6	1.1	.7	.6	.4	.1										694	695	448	323
58/ 57	.2	3.4	2.0	1.1	.9	.5	.4	.1										641	642	525	391
56/ 55	.0	1.9	1.8	1.4	1.1	.9	.4	.1										559	563	607	480
54/ 53	.1	2.4	2.0	1.4	1.3	.8	.1											608	612	455	436
52/ 51	.0	2.7	2.5	1.7	1.5	.9	.2											706	706	510	406
50/ 49	.0	1.4	1.8	1.7	1.2	.6	.1											510	510	605	458
48/ 47		1.2	1.3	1.8	1.0	.4	.0											420	420	563	452
46/ 45		1.1	1.3	1.2	.7	.1												325	325	553	344
44/ 43		.9	1.2	1.2	.4	.0												268	268	458	348
42/ 41	.0	.9	1.4	.9	.3	.1												261	261	465	386
40/ 39		.9	1.4	.6	.1													231	231	373	382
38/ 37	.0	.7	1.0	.4	.1	.0												163	163	332	408
36/ 35	.0	.7	.9	.2	.0													136	136	234	433
34/ 33		.3	.3	.2	.0													61	61	189	316
32/ 31	.0	.3	.2	.1														45	45	106	429
30/ 29	.1	.1	.2	.1														33	33	65	263
28/ 27	.0	.1	.0	.0														11	11	33	237
26/ 25			.1															5	5	26	138
24/ 23																				6	78
22/ 21																				5	55
20/ 19																					56
18/ 17																					16
16/ 15																					20

Element (X)	Σx²	Σx	X̄	σx	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 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION — OTIS AFB MA STATION NAME — 68-70,73,75-80 YEARS — OCT MONTH

PAGE 2 — ALL HOURS (L. S. T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
14/ 13																					2
1/ 11																					10
1/ 9																					7
/ 7																					3
TOTAL	1.3	29.9	27.1	18.7	12.6	6.5	2.5	1.1	.2	.1								7426	7436	7426	7426

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	40836216	537434	72.4	16.169	7426							
Dry Bulb	22132393	400015	53.8	9.086	7436		9.4	50.9	6.1	.3		744
Wet Bulb	18680088	366238	49.3	9.122	7426		24.1	8.3				744
Dew Point	15675912	330526	44.5	11.397	7426		131.6	2.0				744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68 OTIS AFB MA 68-70,73,75-80 NOV
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
66/ 65		.1																1	1		
64/ 63		.5																4	4	1	
62/ 61	.1	.9	.1															9	9	7	3
60/ 59	.4	1.6	.1															17	17	13	15
58/ 57	.5	2.7	.2			.1												29	29	20	15
56/ 55	1.1	3.3	.7	.2		.2												46	46	37	37
54/ 53	.6	1.5	1.2	.4	.1													31	31	29	23
52/ 51		3.3	1.5		.1													40	40	19	21
50/ 49	.4	4.3	3.1	.9														70	70	49	25
48/ 47	.1	5.1	1.5	1.4	.1													66	66	61	49
46/ 45		3.8	1.2	1.0	.5													53	53	57	42
44/ 43	.5	3.6	.9	1.0	.1													49	49	56	62
42/ 41	.2	2.5	2.2	1.6	.1													54	54	47	37
40/ 39	.2	1.4	2.7	1.9														50	51	37	33
38/ 37		2.0	2.4	1.4	.1													47	47	52	32
36/ 35		1.9	3.3	3.1														67	67	50	35
34/ 33	.1	1.7	3.6	1.1														53	53	52	28
32/ 31		2.1	1.9	2.1														49	49	50	47
30/ 29		1.0	3.0	.5														36	36	65	43
28/ 27	.2	1.2	.4															15	15	43	35
26/ 25		.6	.5	.4														12	12	39	56
24/ 23		.1	.2	.2														5	5	10	31
22/ 21			.1															1	1	6	32
20/ 19			.2															2	2	3	40
18/ 17																				2	30
16/ 15																				1	9
14/ 13																					11
12/ 11																					5
10/ 9																					2
8/ 7																					4
6/ 5																					1
4/ 3																					2
2/ 1																					1

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,75-80 NOV
STATION STATION NAME YEARS MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
TOTAL	4.6	45.4	31.3	17.1	1.2	.4												806	807	806	806

Element (X)	Σx²	Σx	X̄	σx	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4972589	62143	77.1	15.009	806	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1555337	34639	42.9	9.220	807		13.4					90
Wet Bulb	1377884	32362	40.2	9.875	806		24.5					90
Dew Point	1168898	28956	35.9	12.641	806		39.0					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
725068	OTIS AFB MA	68-70,73,75-80	NOV

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
66/ 65		.1		.1														2	2		
64/ 63	.2	.7																8	8	5	2
62/ 61	.1	.9	.1															9	9	6	7
60/ 59	.5	.9	.4				.1											15	15	14	11
58/ 57	1.1	1.4	.5	.1			.1											26	26	17	14
56/ 55	1.0	2.5	1.0	.1		.1												38	38	26	27
54/ 53	.1	1.6	1.0	.2														24	24	24	16
52/ 51	.2	2.0	1.4	.2	.1													32	32	31	21
50/ 49	.7	4.5	2.0	.4	.1													62	62	27	35
48/ 47	.2	6.3	1.5	1.1	.2	.2												78	78	64	30
46/ 45		4.2	2.0	.5	.5													58	58	63	56
44/ 43		3.0	.9	.5	.4													38	38	49	49
42/ 41	.4	3.3	1.9	2.0	.1													62	62	59	42
40/ 39	.1	2.0	3.3	2.4														63	63	40	42
38/ 37	.2	1.4	1.6	1.0														34	34	41	39
36/ 35	.4	2.1	2.9	1.9														58	58	61	35
34/ 33	.4	2.2	2.7	.7														49	49	46	28
32/ 31		3.3	4.0	2.2														77	77	54	42
30/ 29	.1	1.6	1.7	.5														32	32	66	37
28/ 27		1.1	.9															16	16	50	61
26/ 25		.6	.5	.2														11	11	33	51
24/ 23	.1	.4	.6															9	9	13	25
22/ 21		.4																3	3	6	35
20/ 19																				9	32
18/ 17		.4																3	3		29
16/ 15																				3	13
14/ 13																					9
12/ 11																					9
10/ 9																					1
8/ 7																					5
6/ 5																					4
TOTAL	6.1	46.8	30.7	14.3	1.5	.4	.2												807		807
																		807		807	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5042355	62695	77.7	14.593	807							90
Dry Bulb	1518168	34170	42.3	9.408	807		16.8					90
Wet Bulb	1349278	32014	39.7	9.917	807		26.1					90
Dew Point	1146416	28706	35.6	12.469	807		39.4					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION — OTIS AFB MA STATION NAME — 68-70,73,75-80 YEARS — NOV MONTH

PAGE 1 — 0600-0800 HOURS (L. S. T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
68/ 67			.2															2	2		
66/ 65		.3	.1															4	4		
64/ 63	.5	.1	.1															6	6	10	4
62/ 61	.2	.3	.5	.1														10	10	5	8
60/ 59	.5	.6	.6			.1												15	15	6	8
58/ 57	.3	1.2	.7	.3		.2												25	25	15	6
56/ 55	1.0	.9	1.4		.1													30	30	29	25
54/ 53	.1	2.1	1.5	.3	.1													37	37	20	19
52/ 51	1.0	3.4	1.9	.2	.2													60	60	47	38
50/ 49	.8	4.5	1.6	.5	.2													67	67	51	37
48/ 47	.2	4.1	1.5	1.2	.2													64	64	63	46
46/ 45	.1	4.2	1.1	.6														53	53	59	52
44/ 43	.6	4.5	1.8	1.7	.1													77	77	61	58
42/ 41	.3	2.3	1.8	2.7	.5													67	67	64	44
40/ 39	.6	2.4	1.9	1.9	.3													63	63	49	48
38/ 37	.1	1.5	2.1	1.9														50	50	49	44
36/ 35	.1	2.6	3.2	.9														60	60	63	32
34/ 33		2.4	3.9	1.5														69	69	67	43
32/ 31		1.9	1.9	.2														36	37	59	43
30/ 29		.9	2.9	.7														40	40	56	52
28/ 27		1.4	1.0	.2														23	23	38	48
26/ 25		.3	.8	.1														11	11	34	59
24/ 23		.8	.5															11	11	20	28
22/ 21		.5	.1															5	5	12	31
20/ 19																				7	45
18/ 17		.2																2	2	1	23
16/ 15																				2	12
14/ 13																					12
12/ 11																					9
10/ 9																					5
8/ 7																					4
6/ 5																					4
TOTAL	6.4	43.3	33.0	15.1	1.8	.3												887	888	887	887

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5494068	68612	77.4	14.518	887							
Dry Bulb	1687000	37812	42.6	9.313	888		13.1	.2				90
Wet Bulb	1493253	35352	39.9	9.753	887		23.2					90
Dew Point	1263523	31663	35.7	12.264	887		38.0					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68	OTIS AFB MA	68-70,73,75-80	NOV
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
7 / 69			.2	.1														3	3		
6 / 67			.7	.1	.2													9	9		
66/ 65		.1	.5	.3				.1										9	9	4	1
64/ 63		.9	.2	.1	.2													13	13	9	7
62/ 61	.3	.3	.5	.7		.1	.1											18	18	17	12
6 / 59	.2	.5	.7	.6	.7	.5												27	27	9	10
5 / 57	.6	1.4	.8	.8	.9	.1	.1											41	41	24	12
56/ 55	.1	2.8	1.8	1.1	.5	.3	.1											60	60	24	25
4/ 53	.9	2.4	1.2	.9	.8	.9												63	63	49	30
52/ 51	.1	2.5	2.0	2.4	1.6	.5												80	80	57	41
5 / 49	.2	4.4	2.3	1.8	1.2	.3												91	91	63	40
4 / 47		2.4	1.2	2.6	1.2	.9												74	74	75	46
4 / 45	.1	2.4	1.6	1.7	1.9	.5												72	72	68	60
44/ 43	.3	1.7	1.6	1.7	2.3													67	68	74	44
42/ 41	.2	1.1	1.2	1.8	2.0	.3												60	60	66	57
4 / 39	.2	.7	1.5	2.8	2.1													65	65	47	37
3 / 37	.1	.8	.9	2.1	.9													43	43	69	53
3 / 35	.1	.6	1.2	1.8	.6													38	38	56	44
34/ 33		.3	.7	.9	.6													22	22	59	49
32/ 31			.6	1.1	.1													16	16	43	48
3 / 29			.1	.7	.1													8	8	34	30
2 / 27			.1	.3														4	4	12	39
26/ 25			.1	.2														3	3	13	35
24/ 23			.1															1	1	9	37
2/ 21																				4	32
2 / 19																				2	24
1 / 17																					21
1 / 15																					21
14/ 13																					6
1 / 11																					5
1 / 9																					14
/ 5																					4
4/ 3																					1
/ 1																					2

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | NOV 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
TOTAL	3.6	25.1	21.8	26.7	17.9	4.4	.3	.1										887	888	887	887

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4511375	61203	69.0	18.041	887							
Dry Bulb	2057357	42085	47.4	8.416	888		3.2	1.2				90
Wet Bulb	1715064	38160	43.0	9.100	887		11.9					90
Dew Point	1358489	32839	37.0	12.691	887		32.4					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — YEARS
NOV — MONTH

PAGE 1 — 1200-1400 — HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
72/ 71					.3		.2											5	5		
70/ 69			.6			.3												8	8		
68/ 67		.1		.2	.5	.1				.2								10	10	1	
66/ 65		.7	.7	.6	.3	.1			.1									22	22	7	1
64/ 63		.6	.6	.6	.7	.3												24	24	9	11
62/ 61		.5	.5	.1	.5	.2	.2	.2										19	19	16	4
60/ 59		.6	1.0	.7	1.1	.5	.3	.2										39	39	21	15
58/ 57		.8	1.7	.7	1.8	.2	.5											50	50	25	8
56/ 55		1.4	1.6	1.9	1.7	.7	.2											66	66	25	24
54/ 53	.2	1.4	.7	1.2	1.1	.7	.7											53	53	47	29
52/ 51	.3	3.4	3.9	1.7	1.2	1.8	.8											117	117	54	34
50/ 49		2.6	1.0	2.1	1.2	1.7	.6											82	82	79	57
48/ 47	.1	1.4	.6	2.1	2.0	1.6	.1											70	70	85	32
46/ 45	.1	1.4	1.6	1.4	3.0	1.1	.1											77	77	55	58
44/ 43	.5	.7	1.0	1.9	2.1	1.7												70	70	65	57
42/ 41		.7	1.0	1.0	2.7	1.0												57	57	69	41
40/ 39		1.1	.8	1.9	2.5	.2												58	58	72	47
38/ 37		.6	.1	1.0	1.0													24	24	72	42
36/ 35		.2	.3	.2	.9													15	15	56	54
34/ 33		.1	.3	.1	.9													13	13	56	32
32/ 31				.1	.2													3	3	37	35
30/ 29				.2	.2													4	4	12	44
28/ 27				.2														2	2	12	35
26/ 25																				6	56
24/ 23																				7	36
22/ 21																					33
20/ 19																					19
18/ 17																					28
16/ 15																					17
14/ 13																					14
12/ 11																					6
10/ 9																					11
8/ 7																					2
4/ 3																					3

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | NOV 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																					3
TOTAL	1.2	17.9	17.9	20.0	26.1	12.3	3.7	.5	.1	.2									888		888
																		888		888	

Element (X)	Σx²	Σx	X̄	σx	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3833339	55805	62.8	19.182	888	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	2255395	44163	49.7	8.158	888		.9	2.3				90
Wet Bulb	1794257	39159	44.1	8.719	888		7.5	.1				90
Dew Point	1332940	32454	36.5	12.866	888		34.7					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68	OTIS AFB MA	66-70,73,75-80	NOV
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
72/ 71							.1											1	1		
70/ 69				.2														2	2		
68/ 67			.1	.2	.1	.1												5	5		
66/ 65		.2	.2	.1	.2					.2								9	9	1	
64/ 63	.1	.3	.4	.3	.1	.1												13	13	6	2
62/ 61	.3	1.1	.7	.7	.3													28	28	13	8
60/ 59		.7	.7	.2	.3		.2	.1										20	20	14	11
58/ 57	.1	1.2	1.2	.4	1.3	.2		.2										43	43	26	13
56/ 55		1.7	.8	1.1	1.0	.2	.2											45	45	21	19
54/ 53	.1	3.1	1.7	1.7	.7	.3	.2											70	70	39	26
52/ 51	.1	2.5	1.9	1.6	1.0	.7	.4											73	73	46	38
50/ 49		4.0	3.3	1.3	1.2	1.5	.2											103	103	69	40
48/ 47		3.4	1.1	1.6	1.5	.7	.2											75	75	87	47
46/ 45	.1	2.9	1.7	1.7	2.6	1.0												89	89	75	69
44/ 43		.6	1.1	2.5	1.9	1.2												65	65	53	50
42/ 41	.1	1.1	1.1	2.8	1.9	.8												70	70	60	57
40/ 39	.1	.9	2.1	2.2	2.5	.7												76	76	68	35
38/ 37	.1	.6	.9	1.8	1.6	.3												47	47	79	28
36/ 35		.2	.7	.8	.6	.1												21	21	75	54
34/ 33		.3	.3	.3	.9													17	17	52	27
32/ 31		.1	.3	.2	.3													9	9	51	38
30/ 29				.7	.1													7	7	21	61
28/ 27				.2														2	2	17	35
26/ 25			.1															1	1	6	64
24/ 23																				12	20
22/ 21																					30
20/ 19																					35
18/ 17																					22
16/ 15																					20
14/ 13																					11
12/ 11																					11
10/ 9																					10
8/ 7																					5
6/ 5																					1

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | NOV MONTH

PAGE 2 1500-1700 HOURS (L. S. T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-/ 3																					1
-/ 1																					3
TOTAL	1.2	25.0	20.5	22.8	20.2	8.0	1.7	.3		.2									891		891
																		891		891	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4228259	58997	66.2	19.015	891							
Dry Bulb	2077667	42453	47.6	7.856	891		1.9	.8				90
Wet Bulb	1697274	38120	42.8	8.636	891		10.8					90
Dew Point	1299728	32076	36.0	12.764	891		37.1					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,75-80 NOV
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
66/ 65		.1	.1			.1												3	3		
64/ 63		.2	.2			.1	.1											6	6	3	3
62/ 61	.3	.9	.4															15	15	5	3
60/ 59		1.7	.3															18	18	13	8
58/ 57	.1	1.7	.7	.4	.2													28	28	21	15
56/ 55	.4	2.4	.6	.8	.2													39	39	26	24
54/ 53	.3	3.3	1.8	.4	.2													54	54	30	24
52/ 51	.2	3.9	2.2	.6	.4													66	66	46	37
50/ 49		3.3	3.1	.8	.1	.1												66	66	62	34
48/ 47	.2	5.4	1.1	.9	1.2	.2												81	81	68	53
46/ 45	.3	2.6	1.9	1.2	1.6	.1												69	69	79	64
44/ 43	.8	1.7	2.9	2.5	.7													76	76	40	53
42/ 41	.1	.9	2.2	2.8	1.0													63	63	46	49
40/ 39		1.9	3.0	2.1	1.0	.2												74	74	72	30
38/ 37		1.3	2.8	2.5	1.2													70	70	72	33
36/ 35		.8	1.8	2.7	.4													51	51	61	49
34/ 33	.3	1.0	2.4	1.6	.3													50	50	71	30
32/ 31		1.0	1.2	1.0														29	29	54	49
30/ 29		.6	.4	.9	.3													20	20	55	59
28/ 27		.1	.2	.2														5	5	32	60
26/ 25		.1	.3															4	4	15	39
24/ 23		.2																2	2	9	32
22/ 21																				9	38
20/ 19		.1																1	1	1	37
18/ 17																					14
16/ 15																					18
14/ 13																					15
12/ 11																					10
10/ 9																					1
8/ 7																					6
2/ 1																					1
0/ -1																					2
TOTAL	3.3	35.2	30.0	21.5	9.1	.9	.1											890	890	890	890

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4986470	64956	73.0	16.625	890							
Dry Bulb	1827620	39652	44.6	8.284	890		6.2					90
Wet Bulb	1572574	36532	41.0	9.064	890		17.7					90
Dew Point	1283586	31956	35.9	12.377	890	.2	38.5					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068	OTIS AFB MA	68-70,73,75-80	NOV
STATION	STATION NAME	YEARS	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
66/ 65	.1	.4																5	5	1	1
64/ 63	.1	.3																4	4	5	3
62/ 61	.1	.6	.2			.1												9	9	5	3
60/ 59	.1	1.7	.1			.1	.1											19	19	11	9
58/ 57	.3	2.7	.4	.3														34	34	21	18
56/ 55	.6	2.8	.8	.3														40	40	30	28
54/ 53	.4	2.9	.8	.1	.2													40	40	34	31
52/ 51	.2	3.1	1.7	.3	.3	.1												52	52	45	29
50/ 49	.4	4.0	2.9	.4	.2	.1												73	73	39	33
48/ 47	.1	5.1	1.6	.8	.3													70	70	68	48
46/ 45	.9	3.4	2.4	1.3	.8													78	78	75	65
44/ 43		2.5	1.9	1.7	1.1													64	64	51	46
42/ 41	.4	.8	2.4	1.0														41	41	55	45
40/ 39	.2	2.0	3.8	2.5	.4													80	80	43	33
38/ 37		1.5	2.6	2.5	.3													61	61	64	38
36/ 35		1.1	3.8	2.6	.1													68	68	62	35
34/ 33		1.0	2.1	2.2	.2													50	50	61	33
32/ 31		1.6	1.8	1.2														41	41	66	56
30/ 29	.1	1.3	1.5	.2														28	28	59	50
28/ 27	.2	.8	.3	.1														13	13	41	54
26/ 25		.3	1.1	.2														15	15	32	52
24/ 23		.1	.2															3	3	6	35
22/ 21		.2																2	2	13	31
20/ 19		.1																1	1	4	47
18/ 17																					24
16/ 15																					11
14/ 13																					11
12/ 11																					14
10/ 9																					3
8/ 7																					2
0/ -1																					3
TOTAL	4.5	40.4	32.4	18.0	4.2	.4	.1												891		891
																		891		891	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	5296737	67237	75.5	15.825	891							
Dry Bulb	1754911	38741	43.5	8.896	891		10.4					90
Wet Bulb	1538734	36028	40.4	9.594	891		22.3					90
Dew Point	1284295	31925	35.8	12.560	891	.3	39.7					90

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,75-80 NOV
STATION STATION NAME YEARS 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
72/ 71					.0		.0											6	6		
70/ 69			.1	.0		.0												13	13		
68/ 67		.0	.1	.1	.1	.0				.0								26	26	1	
66/ 65	.0	.3	.2	.1	.1	.0		.0	.0	.0								55	55	13	3
64/ 63	.1	.5	.2	.1	.1	.1	.0											78	78	48	32
62/ 61	.2	.7	.4	.2	.1	.1	.0	.0										117	117	74	48
60/ 59	.2	1.0	.5	.2	.3	.1	.1	.0										170	170	101	87
58/ 57	.4	1.6	.8	.4	.5	.1	.1	.0										276	276	169	101
56/ 55	.5	2.2	1.1	.7	.4	.2	.1											364	364	218	209
54/ 53	.4	2.3	1.2	.7	.4	.2	.1											372	372	272	198
52/ 51	.3	3.0	2.1	.9	.6	.4	.2											520	520	345	259
50/ 49	.3	3.9	2.4	1.0	.6	.5	.1											614	614	439	301
48/ 47	.1	4.1	1.3	1.5	.9	.5	.0											578	578	571	351
46/ 45	.2	3.1	1.7	1.2	1.4	.3	.0											549	549	531	466
44/ 43	.3	2.2	1.5	1.7	1.1	.4												506	507	449	419
42/ 41	.2	1.6	1.7	2.0	1.1	.3												474	474	466	372
40/ 39	.2	1.5	2.4	2.2	1.1	.1												529	530	428	305
38/ 37	.1	1.2	1.7	1.8	.7	.0												376	376	498	309
36/ 35	.1	1.2	2.1	1.7	.3	.0												378	378	484	338
34/ 33	.1	1.1	2.0	1.1	.4													323	323	464	270
32/ 31		1.2	1.4	1.0	.1													260	261	414	358
30/ 29	.0	.7	1.2	.5	.1													175	175	368	376
28/ 27	.1	.6	.4	.2														80	80	245	367
26/ 25		.2	.4	.1														57	57	178	412
24/ 23	.0	.2	.2	.0														31	31	86	244
22/ 21		.1	.0															11	11	50	262
20/ 19		.0	.0															4	4	26	279
18/ 17		.1																5	5	3	191
16/ 15																				6	121
14/ 13																					89
12/ 11																					69
10/ 9																					47
8/ 7																					28
6/ 5																					14

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | NOV MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
/ 3																					7
/ 1																					10
/ -1																					5
TOTAL	3.3	34.6	27.1	19.5	10.5	3.5	.8	.1	.0	.1									6950		6947
																		6947		6947	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	38365192	501648	72.2	17.556	6947							
Dry Bulb	14733455	313715	45.1	9.078	6950		64.6	4.7				720
Wet Bulb	12538315	287727	41.4	9.458	6947		142.6	.1				720
Dew Point	10137875	250575	36.1	12.583	6947	.5	298.4					720

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725[illegible]68	OTIS AFB MA	68-70,75-80	DEC
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
60/ 59	.2																	2	2	2	2
58/ 57			.4															3	3		
56/ 55		.1																1	1	2	
54/ 53	.6	.7	.4															14	14	7	6
52/ 51	.2	1.1	.1															12	14	12	9
50/ 49	.4	2.6	.5															28	28	20	17
48/ 47	.2	1.2	.4	.2														17	18	17	15
46/ 45	.4	1.5	.5	.4														22	24	20	20
44/ 43		1.7	.5	.5														22	24	17	16
42/ 41	.5	1.9	3.1	1.0														52	54	24	8
40/ 39	1.0	1.6	2.5	1.1	.1													51	53	34	27
38/ 37	.6	1.9	2.0	.4														39	39	49	18
36/ 35	.1	4.0	1.2	.7	.1													50	50	44	30
34/ 33	1.0	4.2	3.6	1.0	.1													80	80	65	39
32/ 31	1.0	3.4	2.9	1.1	.2													69	69	58	61
30/ 29		1.2	1.0	1.1														27	27	53	53
28/ 27		2.9	1.9	1.1														47	47	47	28
26/ 25		1.2	3.1	1.2														45	45	39	45
24/ 23	.1	2.6	2.0	.1														39	39	46	23
22/ 21	.1	2.4	2.7															42	42	51	29
20/ 19		2.0	3.4															43	43	45	31
18/ 17		2.1	2.6															38	40	41	31
16/ 15		1.7	1.6															27	28	33	39
14/ 13	.1	1.1	.5															14	14	39	38
12/ 11		.4																3	3	18	40
10/ 9			.2															2	2	4	27
8/ 7		.7	.5															10	10		32
6/ 5																				10	22
4/ 3		.1																1	1	2	16
2/ 1		.4																3	3	1	23
0/ -1	.1	.1																2	2	5	23
-2/ -3																					13
-4/ -5																					2
-6/ -7																					4

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-73,75-80 YEARS | DEC MONTH

PAGE 2 | 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
- / -9																					3
-1 /-11																					3
-1 /-17																					2
-1 /-19																					5
- /-21																					3
-2 /-25																					2
TOTAL	6.8	45.0	37.5	10.1	.6														819		805
																		805		805	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4254234	56802	70.6	17.499	805	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	920243	25955	31.7	10.929	819	.2	47.1					93
Wet Bulb	777086	23360	29.0	11.108	805	.6	56.8					93
Dew Point	594699	18147	22.5	15.194	805	6.9	69.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 66-70,73,75-80 DEC
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
60/ 59	.1	.1	.1															3	3	1	1
58/ 57			.1															1	1	1	1
56/ 55	.3	.3	.1															5	5	3	2
54/ 53	.4	.9	.1															11	11	7	6
52/ 51	.1	1.6																14	14	10	9
50/ 49	.3	1.0	.6	.1														16	18	17	13
48/ 47		1.6	.9	.3														22	25	12	11
46/ 45	.1	1.1	.6		.1													16	17	13	15
44/ 43	.1	2.3	1.4	.4														33	35	25	11
42/ 41	.1	2.3	2.4	.5														42	42	22	17
40/ 39	.4	1.8	2.1	1.6														47	50	36	26
38/ 37	.4	2.5	1.6	.9	.1													44	45	37	22
36/ 35	.4	3.5	1.8	1.0														53	53	60	25
34/ 33	.5	3.5	2.0	.5														52	52	53	46
32/ 31	1.4	2.4	4.1	1.1	.4													75	75	54	57
30/ 29		2.1	1.9	.8	.1													39	39	49	38
28/ 27	.1	2.5	1.3	.5														35	35	50	43
26/ 25		2.6	1.8	1.0														43	43	47	25
24/ 23	.3	3.0	1.4	.1														38	38	39	24
22/ 21	.1	3.4	2.0															44	44	42	32
20/ 19	.1	2.9	3.4															51	51	56	51
18/ 17		1.9	1.5															27	27	39	28
16/ 15	.1	2.1	1.5															30	33	34	46
14/ 13		1.3	1.0															18	18	27	28
12/ 11	.3	1.4	.4															16	16	25	35
10/ 9		.4																3	3	15	34
8/ 7		1.1	.6															14	14	4	20
6/ 5		.1																1	1	11	36
4/ 3																				4	20
2/ 1		.3																2	2		19
0/ -1	.1	.4																4	4	5	14
-2/ -3																				1	13
-4/ -5																					8
-6/ -7																					6

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
- / -9																					3
-1 /-13																					2
-1 /-15																					2
-1 /-17																					6
-1 /-19																					1
- /-21																					2
- 2/-23																					1
TOTAL	5.6	50.2	34.7	8.8	.8														814		799
																		799		799	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4277470	56966	71.3	16.452	799							
Dry Bulb	883134	25164	30.9	11.376	814	.5	50.6					93
Wet Bulb	744712	22634	28.3	11.391	799	.7	58.4					93
Dew Point	570775	17667	22.1	15.024	799	6.8	69.1					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 66 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | DEC MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
62/ 61			.1															1	1		
60/ 59	.1		.2															3	3	1	1
58/ 57		.4	.1															5	5	2	1
56/ 55	.2	.4	.1															7	7	8	5
54/ 53	1.0	.4	.1															14	14	16	14
52/ 51	.2	.9	.8															17	18	7	7
50/ 49	.1	2.2	.6	.1														27	30	17	15
48/ 47	.1	1.6	1.2	.2														28	28	27	21
46/ 45		1.8	.4	.2	.1	.2												25	28	20	18
44/ 43	.1	1.5	.3	.3														20	22	26	15
42/ 41	.4	2.2	1.7	.4	.3													46	48	26	23
40/ 39	.1	1.8	2.1	1.1	.1													47	49	23	26
38/ 37	.3	2.9	1.7	1.1														54	54	42	21
36/ 35	.7	3.2	2.9	.3	.1													65	66	63	30
34/ 33	.3	2.8	1.8	1.2														55	56	58	37
32/ 31	.9	3.8	3.4	1.0														81	81	67	56
30/ 29	.6	2.1	2.3	1.1														55	55	57	43
28/ 27	1	1.9	1.9	.6														40	40	59	45
26/ 25		2.3	1.7	.4														34	34	48	50
24/ 23	.2	2.6	1.6	.2														41	41	47	25
22/ 21	.3	2.8	2.1															47	47	45	36
20/ 19		3.7	2.7															57	57	51	53
18/ 17		2.2	2.0															38	38	52	43
16/ 15	.1	2.1	1.6															34	37	41	26
14/ 13	.1	.7	.2															9	9	35	49
12/ 11	.3	.7	.9															17	17	14	34
10/ 9		.9	.2															10	10	11	48
8/ 7		.4	.2															6	6	13	27
6/ 5		.7																6	6	7	34
4/ 3																				6	16
2/ 1		.3																3	3	3	24
0/ -1		.2																2	2		10
-2/ -3		.1																1	1	3	7
-4/ -5																					7

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

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

GL HAL CLIMATOLOGY BRANCH
USAFETAC
AI WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
- / -7																					3
- / -9																					5
- /-11																					9
-1 /-13																					5
-1 /-15																					2
-1 /-17																					1
- 2/-23																					3
TOTAL	6.5	49.8	34.3	8.5	.7	.2													913		895
																		895		895	

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4867498	64374	71.9	16.293	895	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1030644	28774	31.5	11.651	913	.3	49.3					93
Wet Bulb	871435	25905	28.9	11.664	895	.3	58.1					93
Dew Point	674744	20512	22.9	15.130	895	5.4	68.7					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725069	OTIS AFB MA	68-70,73,75-80	DEC
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
64/ 63			.2															2	2		
62/ 61			.3															3	3		
60/ 59	.2	.1																3	3	6	2
58/ 57	.3	.3	.1	.1														8	8	6	5
56/ 55	.6	.6	.6	.6														20	20	8	12
54/ 53	.1	1.2	.7	.2				.1										21	22	12	5
52/ 51	.1	1.2	.2	.2	.1		.1											18	20	17	11
50/ 49	.2	1.5	.8	.6	.4	.1												33	34	26	21
48/ 47	.1	1.5	.9	.3	.3	.1	.2											32	35	20	18
46/ 45	.1	2.3	1.2	.7	.9		.1											48	52	26	22
44/ 43		1.5	1.2	1.4	.4	.2												44	44	38	19
42/ 41	.1	1.8	1.2	1.9	1.1													55	55	28	24
40/ 39	.7	2.0	1.7	2.1	.7													64	67	51	37
38/ 37	.6	2.1	2.3	1.8	.7													67	68	54	28
36/ 35	.4	1.5	2.4	2.4	.1													63	63	63	19
34/ 33	.3	2.5	2.3	2.8	.6													77	77	71	45
32/ 31	.2	2.4	2.3	1.9	.8													69	69	67	48
30/ 29	.2	1.0	3.2	1.4	.6													58	58	75	50
28/ 27	.1	1.1	2.0	1.2	.1													41	41	51	49
26/ 25		1.3	2.1	1.1	.2													43	43	64	53
24/ 23		.6	1.7	1.2														31	32	52	34
22/ 21		.8	2.2	.4														31	31	38	34
20/ 19		.9	1.8	.2														26	26	34	58
18/ 17		.2	1.1	.1														13	14	39	48
16/ 15		.3	.9															11	11	19	40
14/ 13		.1	.9															9	9	9	30
12/ 11		.1	.4															5	5	8	23
10/ 9		.1																1	1	11	25
8/ 7		.3																3	3	4	22
6/ 5		.2																2	2	2	29
4/ 3		.4																4	4	2	23
2/ 1		.1																1	1	4	20
0/ -1																				1	8
-2/ -3																					4

Element (X)	Σx²	Σx	X̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | DEC MONTH

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

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-4/ -5																					6
-6/ -7																					12
-8/ -9																					5
-10/-11																					3
-12/-13																					3
-14/-15																					5
-16/-17																					2
-18/-19																					1
-22/-23																					3
TOTAL	4.4	30.4	34.7	22.6	7.0	.4	.4	.1											923		906
																		906		906	

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4240055	59569	65.7	18.904	906							
Dry Bulb	1277366	32878	35.6	10.734	923		35.3					93
Wet Bulb	1034416	28970	32.0	10.928	906	.1	49.3					93
Dew Point	752556	22054	24.3	15.439	906	5.3	65.5					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 65	OTIS AFB MA	68-70,73,75-80	DEC
STATION	STATION NAME	YEARS	MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
62/ 61	.1	.1	.2															4	4	1	1
60/ 59	.2	.2																4	4	4	2
58/ 57	.3	.2	.6	.2														12	12	6	5
56/ 55	.2	1.0	.7	.8														24	26	6	6
54/ 53		.9	.9	.4	.3			.2										25	26	17	8
52/ 51	.2	.9	.7	.6	.2		.1	.2										26	28	23	16
50/ 49		1.2	.8	.8	.9	1.0	.2											44	46	18	12
48/ 47		2.4	.6	.6	.9	.6												45	46	26	18
46/ 45	.1	1.3	2.1	1.8	1.3	.1												61	62	39	35
44/ 43		1.5	1.3	1.5	1.0	.4												53	53	26	22
42/ 41		.9	.9	2.5	2.3	.7												66	66	52	17
40/ 39	.4	1.3	2.0	1.5	2.0	.1												67	69	61	30
38/ 37	.4	2.1	1.4	2.3	2.1													76	77	48	32
36/ 35	.3	.7	1.3	2.8	1.0	.1												56	56	84	37
34/ 33	.1	1.1	1.3	2.2	1.9													60	60	65	27
32/ 31	.1	1.8	1.9	3.6	1.5													81	81	62	46
30/ 29		.9	1.7	2.8	.1													49	49	65	46
28/ 27		1.1	1.1	2.0	.1													39	39	59	53
26/ 25		1.0	1.2	1.9	.2													39	39	80	52
24/ 23		.7	.7	2.1														31	31	49	24
22/ 21		.1	.4	.2														7	8	31	36
20/ 19		.2	.9	.9														18	18	31	59
18/ 17		.1	.4	.3														8	8	18	52
16/ 15			.2	.1														3	3	15	51
14/ 13			.1															1	1	7	24
12/ 11		.1	.2															3	3	5	31
10/ 9		.1	.1															2	2	3	23
8/ 7			.1															1	1	3	33
6/ 5																				1	19
4/ 3		.3																3	3		18
2/ 1																				3	13
0/ -1																					13
-2/ -3																					9
-4/ -5																					12

Element (X)	Σx²	Σx	X̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | DEC 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
-6/ -7																				8
-8/ -9																				3
-14/-15																				4
-16/-17																				6
-18/-19																				2
-20/-21																				2
-22/-23																				1
TOTAL	2.6	22.2	23.7	31.8	15.9	3.0	.3	.4											921		908
																		908		908	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3713795	55043	60.6	20.390	908	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1421668	35004	38.0	9.961	921		28.9					93
Wet Bulb	1109223	30353	33.4	10.211	908		44.2					93
Dew Point	753189	22087	24.3	15.429	908	6.1	65.6					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,75-80 DEC
STATION STATION NAME YEARS MONTH

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

Temp.	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
62/ 61	.2		.1															3	3	2	2
60/ 59	.1																	1	1	1	1
58/ 57	.1	.3																4	4	2	1
56/ 55	.2	.8	.3	.1														13	13	5	6
54/ 53	.2	1.2	1.0	.1														23	23	13	9
52/ 51	.2	1.8	1.4	.3		.1		.1										36	38	15	13
50/ 49	.1	.9	.9	.4	.2			.1										24	28	31	16
48/ 47		2.0	1.1	1.2	.3		.2											44	45	24	22
46/ 45	.3	1.9	1.5	1.0	.8	.3												53	55	31	31
44/ 43	.1	.7	1.8	1.3	.9	.2												45	45	33	17
42/ 41		1.3	1.4	2.3	1.0	.3												58	59	33	21
40/ 39	.7	1.7	1.9	2.1	1.8	.1												74	75	51	24
38/ 37	.4	1.9	2.4	2.2	1.0	.1												73	73	57	28
36/ 35	.3	1.5	2.3	2.1	1.5													71	72	74	43
34/ 33	.2	2.1	1.4	2.4	1.7													71	72	72	33
32/ 31		2.0	1.8	3.5	.4													70	70	65	48
30/ 29		.7	2.4	3.0	.2													57	57	65	51
28/ 27	.1	1.3	1.4	2.9														52	52	64	53
26/ 25		1.0	1.9	2.3														47	47	78	30
24/ 23		.8	.9	1.2														26	26	59	37
22/ 21		.6	.8	.9														20	20	43	38
20/ 19			1.4	.4														17	17	31	49
18/ 17			.3	.9														11	11	12	51
16/ 15			.2															2	2	21	47
14/ 13			.1															1	2	9	38
12/ 11			.3															3	3	4	29
10/ 9		.1	.3															4	4	2	28
8/ 7			.1															1	1	4	32
6/ 5																				3	21
4/ 3		.2																2	2		18
2/ 1		.1																1	1	2	12
0/ -1																				1	11
-2/ -3																					10
-4/ -5																					7

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | DEC MONTH

PAGE 2 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
-6/ -7																					4
-8/ -9																					6
-10/-11																					3
-12/-13																					3
-14/-15																					3
-16/-17																					4
-18/-19																					1
-20/-21																					3
-22/-23																					1
-24/-25																					2
TOTAL	3.4	24.7	29.7	30.8	9.8	1.2	.2	.2										907	921	907	907

Element (X)	Σx²	Σx	X̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	3974916	57140	63.0	20.349	907							
Dry Bulb	1320911	33719	36.6	9.692	921		31.8					93
Wet Bulb	1053838	29524	32.6	10.120	907	.1	47.5					93
Dew Point	739921	21795	24.0	15.447	907	5.9	65.6					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,75-80 DEC
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
60/ 59	.2																	2	2	2	2
58/ 57	.1	.3		.1														5	5	1	1
56/ 55	.2	.2	.1															5	5	6	6
54/ 53	.4	1.5	.2	.1														21	21	12	10
52/ 51	.2	2.1	.8	.1														29	29	17	13
50/ 49	.3	1.4	.3															19	25	30	16
48/ 47	.3	2.0	[illegible]	.2														30	30	14	22
46/ 45	.6	2.1	1.3	.6		.1												42	45	38	26
44/ 43	.1	.8	2.0	.3														29	29	17	23
42/ 41	.6	1.8	1.3	1.0	.2													44	44	26	13
40/ 39	.6	1.3	3.0	1.4	.3													60	60	51	20
38/ 37	.2	2.9	2.3	1.2	.2													62	62	35	27
36/ 35	.6	1.7	1.9	1.3														49	49	65	44
34/ 33	.7	3.3	3.2	1.8	.9													89	89	60	32
32/ 31	.1	3.2	3.5	1.9	.2													81	82	66	50
30/ 29	.1	1.4	3.8	1.2	.2													61	62	62	55
28/ 27	.1	1.7	3.8	2.1														69	70	63	43
26/ 25		1.1	3.1	1.0														47	47	81	31
24/ 23	.1	1.9	2.4	.8														47	47	61	38
22/ 21	.1	.9	2.3	.9														38	38	61	37
20/ 19		.9	2.2	.3														31	31	42	59
18/ 17		.3	1.5															17	17	32	42
16/ 15		.1	.3	.2														6	6	23	49
14/ 13			.6															5	5	13	38
12/ 11			.4															4	4	6	35
10/ 9		.1	.1															2	2	6	31
8/ 7		.1	.6															6	6	4	28
6/ 5		.1																1	1	7	19
4/ 3																				4	28
2/ 1		.3																3	3		10
0/ -1																				3	9
-2/ -3																					9
-4/ -5																					7
-6/ -7																					7

Element (X)	Σx²	Σx	X̄	σx	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.												
Dry Bulb												
Wet Bulb												
Dew Point												

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	STATION NAME	YEARS	MONTH
725068	OTIS AFB MA	68-70,73,75-80	DEC

PAGE 2 1800-2000 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-8/ -9																					6
-10/-11																					3
-14/-15																					4
-16/-17																					3
-18/-19																					5
-20/-21																					3
TOTAL	5.6	33.6	41.9	16.6	2.1	.1												904	916	904	904

Element (X)	Σx^2	Σx	$\bar{x}$	σ_x	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4491517	61401	67.9	18.856	904							
Dry Bulb	1153681	31155	34.0	10.138	916		42.7					93
Wet Bulb	961828	27888	30.8	10.602	904	.3	54.5					93
Dew Point	718411	21401	23.7	15.314	904	5.8	66.8					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68	OTIS AFB MA	68-70,73,75-80	DEC
STATION	STATION NAME	YEARS	MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	Wet Bulb	Dew Point
5 / 57		.3																3	3	3	
5 / 55	.3	.3																6	6	3	6
4/ 53	1.0	1.0	.1															19	19	13	12
2/ 51	.4	2.0																22	23	17	15
5 / 49	.2	1.8	.2															20	22	19	13
4 / 47		2.1	.7	.1														26	26	15	13
4 / 45	.2	1.2	1.4	.4														30	33	31	27
4/ 43	.3	1.6	1.9	.2														36	38	19	14
2/ 41	.2	3.1	1.7	.7														51	52	35	21
4 / 39	.3	2.4	2.3	.6	.1													52	52	46	22
3 / 37		2.4	1.8	.8														45	45	39	36
/ 35	.7	2.1	1.6	1.2	.1													51	51	59	34
3 / 33	.6	4.1	4.3	1.8	.2													99	99	50	41
2/ 31	.6	2.8	2.0	1.3	.3													63	63	68	50
3 / 29	.1	2.7	3.2	1.0	.1													64	64	74	51
2 / 27		1.9	3.0	1.4														57	57	53	39
/ 25		1.7	3.0	.7														48	49	60	43
2/ 23		1.9	2.2	.2														39	39	58	37
2/ 21	.2	2.8	2.7	.1														52	53	50	37
/ 19		1.1	2.8	.2														37	38	57	46
1 / 17		1.8	3.3															46	46	38	38
1 / 15		.3	.9															11	11	34	37
1/ 13			.2															2	2	33	50
1 / 11		.1	.1															2	2	4	37
1 / 9			.4															4	4	2	29
/ 7		.4	.3															7	7	4	33
/ 5		.1																1	1	7	19
/ 3		.2																2	2	2	20
/ 1		.2																2	2	2	14
/ -1	.1																	1	1	3	17
- / -3																					19
-4/ -5																					6
- / -7																					1
- / -9																					2

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 STATION | OTIS AFB MA STATION NAME | 68-70,73,75-80 YEARS | DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F) 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B./W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
-1./-11																					3
-1./-13																					1
-14/-15																					3
-16/-17																					3
-1./-19																					6
-2./-21																					3
TOTAL	5.3	42.7	40.3	10.8	.9													898	910	898	898

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature ≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	4683489	62825	70.0	18.079	898							
Dry Bulb	1078909	29851	32.8	10.473	910	.1	45.1					93
Wet Bulb	913730	26942	30.0	10.840	898	.3	56.9					93
Dew Point	698871	20983	23.4	15.249	898	6.6	66.7					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068	OTIS AFB MA	68-70,73,75-80	DEC
STATION	STATION NAME	YEARS	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
64/ 63			.0															2	2		
62/ 61	.0	.0	.1															11	11	3	3
60/ 59	.2	.1	.0															18	18	17	11
58/ 57	.1	.3	.2	.1														41	41	21	14
56/ 55	.3	.5	.2	.2														81	83	41	43
54/ 53	.5	1.0	.4	.1	.0			.0										148	150	97	70
52/ 51	.2	1.5	.5	.2	.0	.0	.0	.0										174	184	118	93
50/ 49	.2	1.6	.6	.3	.2	.1	.0	.0										211	231	178	123
48/ 47	.1	1.8	.8	.4	.2	.1	.1											244	253	155	140
46/ 45	.2	1.7	1.2	.6	.4	.1	.0											297	316	218	194
44/ 43	.1	1.4	1.3	.8	.3	.1												282	290	201	137
42/ 41	.2	1.9	1.7	1.3	.6	.1												414	420	246	144
40/ 39	.5	1.7	2.2	1.5	.7	.0												462	475	353	212
38/ 37	.4	2.3	2.0	1.4	.5	.0												460	463	361	212
36/ 35	.4	2.2	1.9	1.5	.4	.0												458	460	512	262
34/ 33	.5	2.9	2.5	1.7	.7													583	585	494	300
32/ 31	.5	2.7	2.7	2.0	.5													589	590	507	416
30/ 29	.1	1.5	2.5	1.6	.2													410	411	500	387
28/ 27	.1	1.8	2.1	1.5	.0													380	381	446	353
26/ 25		1.5	2.1	1.2	.1													346	347	497	329
24/ 23	.1	1.7	1.6	.8														292	293	411	242
22/ 21	.1	1.7	1.9	.3														281	283	361	279
20/ 19	.0	1.4	2.3	.3														280	281	347	406
18/ 17		1.1	1.6	.2														198	201	271	333
16/ 15	.0	.8	.9	.0														124	131	220	335
14/ 13	.0	.4	.4															59	60	172	295
12/ 11	.1	.3	.4															53	53	84	264
10/ 9		.2	.2															28	28	54	245
8/ 7		.4	.3															48	48	36	227
6/ 5		.2																11	11	44	199
4/ 3		.2																12	12	20	159
2/ 1		.2																15	15	15	135
0/ -1	.0	.1																9	9	18	105
-2/ -3		.0																1	1	4	84

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

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725[illegible]68 OTIS AFB MA 66-70,73,75-80 DEC
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
-4/ -5																					55
-6/ -7																					45
-8/ -9																					33
-10/-11																					24
-12/-13																					14
-14/-15																					23
-16/-17																					27
-18/-19																					21
- /-21																					16
-22/-23																					9
-24/-25																					4
TOTAL	5.0	37.0	34.5	17.8	4.8	.6	.1	.1											7137		7022
																		7022		7022	

Element (X)	Σx^2	Σx	$\bar{X}$	σ_x	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	34507974	474120	67.5	18.854	7022							
Dry Bulb	9086556	242500	34.0	10.894	7137	1.0	328.9					744
Wet Bulb	7466268	215576	30.7	10.990	7022	2.3	424.6					744
Dew Point	5503166	164646	23.4	15.296	7022	48.7	536.5					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725 68 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-81 — YEARS
ALL — MONTH

PAGE 1
ALL — HOURS (L. S. T.)

Temp. (F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	TOTAL D.B.-W.B.	TOTAL Dry Bulb	TOTAL Wet Bulb	TOTAL Dew Point
8/ 97										.0								1	1		
6/ 95										.0	.0							4	4		
4/ 93									.0	.0								3	3		
/ 91					.0	.0	.0	.0	.0	.0	.0							21	21		
/ 89					.0	.0	.0	.0	.0	.0	.0							47	47		
8/ 87				.0	.0	.0	.1	.0	.0	.0	.0							123	123		
6/ 85			.0	.0	.0	.1	.1	.1	.0	.0	.0							216	216		
4/ 83			.0	.1	.1	.1	.1	.1	.0	.0	.0							373	373	2	
/ 81		.0	.0	.1	.1	.1	.1	.1	.0	.0	.0							557	557	19	2
/ 79	.0	.0	.1	.2	.2	.2	.1	.1	.0	.0	.0	.0						933	933	86	21
7 / 77	.0	.1	.2	.3	.3	.2	.2	.1	.1	.0	.0							1263	1263	275	130
76/ 75	.1	.3	.3	.4	.3	.3	.2	.2	.1	.0	.0		.0					1836	1838	586	309
74/ 73	.1	.5	.5	.5	.3	.3	.2	.1	.1	.0	.0	.0						2277	2282	1182	665
/ 71	.1	.7	.9	.4	.5	.3	.2	.1	.0	.0	.0	.0						2785	2785	1632	1008
/ 69	.2	.8	1.1	.6	.5	.4	.2	.1	.0	.0	.0	.0						3393	3398	2303	1634
6 / 67	.1	.8	1.2	.6	.4	.3	.3	.1	.1	.0	.0							3250	3251	2737	1983
6/ 65	.2	1.4	.9	.7	.4	.2	.2	.1	.0	.0	.0							3575	3577	3128	2461
4/ 63	.2	1.3	.8	.6	.4	.3	.2	.1	.0	.0								3314	3315	3706	2753
/ 61	.2	1.4	.8	.6	.4	.2	.2	.1	.0	.0	.0							3291	3294	3604	3060
/ 59	.2	1.4	1.1	.5	.3	.3	.2	.1	.0	.0								3502	3504	3713	3390
/ 57	.1	1.4	1.0	.5	.4	.2	.1	.1	.0	.0								3256	3257	3609	3154
5 / 55	.1	1.3	.9	.6	.4	.2	.2	.1	.0									3140	3146	3436	3369
4/ 53	.1	1.3	.9	.5	.4	.2	.1	.0	.0									3112	3121	3247	3231
/ 51	.1	1.4	1.1	.6	.4	.3	.1	.0	.0									3402	3422	3210	3261
/ 49	.1	1.4	1.0	.6	.4	.3	.1	.0										3378	3421	3440	3128
/ 47	.0	1.5	.8	.6	.4	.2	.1	.0										3116	3150	3448	3024
/ 45	.1	1.3	.9	.6	.4	.2	.0											2977	3009	3352	3160
4/ 43	.0	1.1	.9	.7	.3	.1	.0											2848	2872	3070	2678
/ 41	.1	1.2	1.1	.7	.4	.1	.0											3102	3135	3133	2814
/ 39	.1	1.2	1.1	.8	.4	.1	.0											3226	3274	3215	2742
/ 37	.1	1.2	1.0	.7	.3	.1												2862	2879	3297	2681
/ 35	.1	1.1	1.1	.7	.3	.0												2882	2905	3157	2842
3 / 33	.1	1.2	1.1	.7	.3	.0												2872	2880	3176	2573
/ 31	.1	1.3	1.1	.8	.2													3005	3013	2943	3235

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

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725068 OTIS AFB MA 68-70,73,75-81 ALL
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
30 / 29	.1	.7	1.1	.6	.1													2222	2229	2899	2726
28 / 27	.0	.7	.8	.6	.0													1800	1802	2406	2697
26 / 25	.0	.5	.8	.4	.0													1518	1519	2389	2405
24 / 23	.0	.4	.6	.2														1112	1113	1917	1674
22 / 21	.0	.5	.7	.1														1172	1174	1553	1809
20 / 19	.0	.5	.8	.1														1216	1220	1471	2239
18 / 17	.0	.3	.5	.0														767	770	1154	1662
16 / 15	.0	.3	.4	.0														612	619	941	1608
14 / 13	.0	.2	.2															407	408	749	1386
12 / 11	.0	.3	.2															408	408	488	1286
10 / 9	.0	.2	.1															250	251	421	1145
8 / 7	.0	.2	.1															220	220	317	1055
6 / 5		.2																134	134	220	874
4 / 3	.0	.1																91	91	163	941
2 / 1		.1																48	48	86	847
0 / -1	.0	.0																28	28	55	555
-2 / -3	.0	.0																24	24	31	396
-4 / -5	.0	.0																15	15	15	301
-6 / -7																				5	218
-8 / -9	.0																	2	2	2	155
-10 / -11	.0																	1	1	1	144
-12 / -13	.0																	1	1	1	99
-14 / -15																					140
-16 / -17																					118
-18 / -19																					106
-20 / -21																					47
-22 / -23																					20
-24 / -25																					10
-26 / -27																					18
-28 / -29																					1
TOTAL	2.8	31.8	28.2	16.8	9.3	5.3	3.2	1.7	.6	.2	.1	.0	.0					85990	86346	85990	85990

Element (X)	Σx²	Σx	x̄	σx	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel Hum.	455843033	6066051	70.5	18.020	85990							
Dry Bulb	241341955	4317617	50.0	17.167	86346	7.1	1526.0	1742.7	780.7	182.7	.8	8760
Wet Bulb	202982019	3932639	45.7	16.400	85990	11.2	2062.6	900.2	219.8	3.8		8760
Dew Point	171231430	3448932	40.1	19.560	85990	236.1	3048.7	587.4	115.5	.4		8760

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

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION	STATION NAME	YEARS
[illegible]68	OTIS AFB MA	68-70,73,75-81

HRS (L.S.T.)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	25.8	27.2	34.9	42.4	50.7	59.5	66.4	66.5	59.0	50.6	42.9	31.7	46.6
00-02	S D	11.356	10.099	7.594	6.893	6.263	5.628	5.130	5.876	7.912	8.738	9.220	10.929	16.178
	TOTAL OBS	912	848	929	900	930	894	929	891	850	929	807	819	10638
	MEAN	24.9	26.1	34.1	41.5	49.9	58.8	65.6	65.5	57.9	49.8	42.3	30.9	45.8
03-05	S D	11.928	10.315	8.153	7.285	6.600	5.631	5.420	6.207	8.147	9.020	9.408	11.376	16.358
	TOTAL OBS	912	845	929	900	930	896	928	897	848	930	807	814	10636
	MEAN	24.7	26.2	35.0	44.6	54.1	63.0	69.1	68.7	60.8	51.3	42.6	31.5	47.7
06-08	S D	12.112	10.186	8.277	7.192	6.372	5.440	5.036	5.779	7.538	8.761	9.313	11.651	17.459
	TOTAL OBS	924	846	930	900	930	900	930	902	847	928	888	913	10638
	MEAN	28.7	31.2	40.3	50.8	59.6	68.4	74.6	74.5	67.1	57.5	47.4	35.6	53.0
09-11	S D	10.891	9.413	8.420	8.039	7.176	6.455	5.593	5.954	6.625	7.940	8.416	10.734	17.761
	TOTAL OBS	930	847	929	900	929	900	930	899	844	930	888	923	10849
	MEAN	31.8	34.2	42.9	53.0	61.9	70.5	76.9	76.8	69.3	59.6	49.7	38.0	55.4
12-14	S D	9.660	8.792	8.625	8.427	7.483	6.719	5.865	6.214	6.958	8.031	8.158	9.961	17.478
	TOTAL OBS	924	845	928	899	929	899	930	902	847	929	888	921	10841
	MEAN	30.9	33.8	41.9	51.6	60.2	68.7	75.5	75.1	67.3	57.4	47.6	36.6	53.9
15-17	S.D.	9.168	8.319	7.987	7.610	7.037	6.439	5.487	5.826	6.401	7.618	7.856	9.692	17.017
	TOTAL OBS	930	848	930	899	930	899	929	904	853	930	891	921	10864
	MEAN	28.1	30.6	38.0	46.6	55.2	64.1	70.7	70.3	62.3	53.0	44.6	34.0	49.8
18-20	S.D.	9.949	8.447	6.901	6.374	6.032	5.595	4.690	5.335	6.497	8.085	8.284	10.138	16.262
	TOTAL OBS	925	842	929	899	925	899	927	904	855	930	890	916	10841
	MEAN	26.5	28.8	36.1	43.7	52.3	61.0	67.7	67.6	60.2	51.2	43.5	32.8	47.7
21-23	S.D.	10.720	9.235	7.103	6.447	5.789	5.312	4.817	5.642	7.226	8.671	8.896	10.473	15.981
	TOTAL OBS	924	846	929	898	926	898	928	902	857	930	891	910	10839
	MEAN	27.7	29.8	37.9	46.8	55.5	64.3	70.8	70.6	63.0	53.8	45.1	34.0	50.0
ALL HOURS	S.D	11.040	9.843	8.520	8.417	7.883	7.251	6.653	7.102	8.238	9.086	9.078	10.894	17.167
	TOTAL OBS	7381	6767	7433	7195	7429	7185	7431	7201	6801	7436	6950	7137	86346

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

STATION	STATION NAME	YEARS
7[illegible]68	OTIS AFB MA	68-70,73,75-81

HRS (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT	NOV.	DEC	ANNUAL
	MEAN	23.4	24.6	32.0	39.2	47.8	57.1	63.6	63.7	56.3	47.4	40.2	29.0	43.9
0-02	S.D.	11.336	10.238	8.078	7.237	6.775	5.842	5.928	6.347	8.177	9.332	9.675	11.108	16.331
	TOTAL OBS	91[illegible]	848	905	900	930	894	929	889	850	925	806	805	10593
	MEAN	22.7	23.7	31.4	38.5	47.2	56.6	62.9	62.9	55.5	46.9	39.7	28.3	43.3
[illegible]-05	S.D.	11.843	10.322	8.557	7.560	7.040	5.890	6.204	6.632	8.523	9.513	9.917	11.391	16.487
	TOTAL OBS	911	845	906	899	930	896	928	894	845	927	807	799	10587
	MEAN	22.5	23.8	32.0	40.5	49.8	59.2	65.0	65.0	57.6	48.0	39.9	28.9	44.4
[illegible]-08	S.D.	12.032	10.184	8.629	7.320	6.466	5.383	5.472	6.072	7.763	9.240	9.753	11.664	17.078
	TOTAL OBS	924	845	906	900	930	898	930	900	847	925	887	895	10787
	MEAN	25.6	27.5	35.3	43.7	52.5	61.7	67.2	67.2	60.4	51.5	43.0	32.0	47.3
[illegible]-11	S.D.	10.792	9.378	8.341	7.473	6.661	5.835	5.660	5.803	6.863	8.483	9.100	10.926	16.533
	TOTAL OBS	93[illegible]	847	901	899	929	900	929	899	843	930	887	906	10800
	MEAN	27.7	29.5	36.8	44.9	53.6	62.6	68.1	68.0	61.2	52.4	44.1	33.4	48.6
1[illegible]-14	S.D.	9.572	8.610	8.060	7.317	6.784	5.911	5.746	5.770	6.847	8.300	8.719	10.211	16.023
	TOTAL OBS	924	845	901	898	928	899	930	902	847	929	888	9[illegible]8	10799
	MEAN	27.1	29.3	36.3	44.2	52.7	61.7	67.4	67.4	60.4	51.4	42.8	32.6	47.8
[illegible]-17	S.D.	9.231	8.364	7.686	6.841	6.551	5.749	5.501	5.617	6.608	8.252	8.636	10.120	15.858
	TOTAL OBS	928	847	906	898	930	899	928	904	853	930	891	907	10821
	MEAN	25.2	27.3	34.1	41.7	50.4	59.6	65.6	65.7	58.4	49.1	41.0	30.8	45.8
[illegible]-20	S.D.	10.007	8.792	7.293	6.528	6.194	5.548	5.310	5.586	6.877	8.779	9.064	10.602	15.952
	TOTAL OBS	925	842	904	899	925	898	926	904	855	930	890	904	10802
	MEAN	24.2	25.9	32.9	40.2	49.1	58.2	64.4	64.4	57.1	47.8	40.4	30.0	44.6
1-23	S.D.	10.768	9.521	7.547	6.797	6.300	5.514	5.682	6.024	7.519	9.220	9.594	10.840	16.076
	TOTAL OBS	924	846	905	898	926	898	926	902	857	930	891	898	10801
	MEAN	24.8	26.4	33.8	41.6	50.4	59.6	65.5	65.6	58.4	49.3	41.4	30.7	45.7
ALL HOURS	S.D.	10.684	9.696	8.267	7.481	6.959	6.087	5.955	6.238	7.676	9.122	9.458	10.990	16.400
	TOTAL OBS	7378	6765	7234	7191	7428	7182	7426	7194	6797	7426	6947	7022	85990

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

725068 OTIS AFB MA 68-70,73,75-81

STATION STATION NAME YEARS

HRS (L S T)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT	NOV.	DEC	ANNUAL
0-02	MEAN	15.7	16.8	26.1	34.5	44.7	55.2	61.7	61.8	54.1	43.8	35.9	22.5	39.7
	S D	15.274	14.656	11.751	9.910	8.571	6.704	7.181	7.263	9.160	11.366	12.641	15.194	19.526
	TOTAL OBS	912	848	905	900	930	894	929	889	850	925	806	805	10593
-05	MEAN	15.4	16.2	25.7	34.1	44.2	54.9	61.1	61.2	53.5	43.6	35.6	22.1	39.2
	S D	15.506	14.375	12.031	10.052	8.770	6.765	7.392	7.478	9.465	11.311	12.469	15.024	19.528
	TOTAL OBS	911	845	906	899	930	896	928	894	845	927	807	799	10587
-08	MEAN	15.2	16.2	25.9	34.7	45.4	56.4	62.4	62.5	55.0	44.3	35.7	22.9	39.8
	S D	15.762	14.266	12.175	10.318	8.868	6.783	6.915	7.217	8.814	11.167	12.264	15.130	19.928
	TOTAL OBS	924	845	906	900	930	898	930	900	847	925	887	895	10787
-11	MEAN	16.6	18.2	26.5	34.5	45.4	56.9	62.6	62.8	55.2	45.3	37.0	24.3	40.5
	S.D.	15.129	14.037	12.510	11.506	10.083	7.914	7.836	7.665	9.144	11.519	12.691	15.439	19.756
	TOTAL OBS	930	847	901	899	929	900	929	899	843	930	887	906	10800
1-14	MEAN	17.4	19.0	26.8	34.5	45.6	57.1	62.7	62.8	55.1	45.2	36.5	24.3	40.7
	S D	14.469	13.558	12.103	11.386	10.340	8.003	8.097	7.721	9.292	11.607	12.866	15.429	19.598
	TOTAL OBS	924	845	901	898	928	899	930	902	847	929	888	906	10799
15-17	MEAN	17.4	18.9	27.0	34.5	45.3	56.7	62.4	62.8	55.1	45.2	36.0	24.0	40.5
	S.D.	14.297	13.777	11.773	10.881	9.836	7.786	7.777	7.555	8.882	11.541	12.764	15.447	19.452
	TOTAL OBS	928	847	906	898	930	899	928	904	853	930	891	907	10821
-20	MEAN	16.6	18.5	26.9	35.0	45.6	56.2	62.2	62.8	55.3	44.8	35.9	23.7	40.4
	S.D	14.420	13.931	11.335	10.026	8.498	7.130	7.186	6.856	8.195	11.243	12.377	15.314	19.296
	TOTAL OBS	925	842	904	899	925	898	926	904	855	930	890	904	10802
1-23	MEAN	16.2	17.9	26.8	35.2	45.7	56.0	62.2	62.4	54.7	43.9	35.8	23.4	40.1
	S.D.	14.990	14.227	11.262	9.618	8.143	6.479	7.069	6.969	8.588	11.312	12.560	15.249	19.352
	TOTAL OBS	924	846	905	898	926	898	926	902	857	930	891	898	10801
ALL HOURS	MEAN	16.4	17.7	26.5	34.6	45.2	56.2	62.2	62.4	54.8	44.5	36.1	23.4	40.1
	S.D.	15.003	14.141	11.877	10.483	9.180	7.252	7.455	7.363	8.965	11.397	12.583	15.296	19.560
	TOTAL OBS	7378	6765	7234	7191	7428	7182	7426	7194	6797	7426	6947	7022	85990

USAF ETAC FORM OCT 78 0-89-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: [illegible]68

STATION NAME: OTIS AFB MA

YEARS: 68-70,73,76-81

MONTH: JAN

CLASS: ALL WEATHER

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

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.5	1.4	1.7	.1							5.0	9.3
NNE		.1	.5	.7	.4	.2						2.0	14.2
NE	.5	.4	1.0	.2	.3	.2						2.7	9.5
ENE	.3	1.4	.9	.4	.2							3.3	7.5
E		.8	.4	.3								1.5	8.0
ESE	.1	.1	.5	.2		.2						1.2	11.6
SE	.1	.2	.3	.4	.1	.1						1.3	11.7
SSE		.1	.3	.4	.2							1.1	12.0
S	.2	.3	.7	.7	1.2							3.1	13.1
SSW	.2	.3	.2	.4	.7	.1						2.0	13.4
SW		.7	.7	.4								1.7	8.6
WSW		.9	.7	1.0	1.1							3.6	12.0
W	1.0	2.7	4.9	5.4	1.9	.7						16.5	11.2
WNW	.7	3.8	6.3	3.3	1.7	.2						16.1	10.1
NW	.5	3.3	6.0	2.8	1.0							13.7	9.3
NNW	.3	3.0	2.5	2.0	.1							7.9	8.4
VARBL													
CALM												17.4	
	4.3	19.7	27.4	20.4	9.1	1.7						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 915

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725068 STATION — OTIS AFB MA STATION NAME — 68-70,73,76-81 YEARS — JAN MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.5	1.6	.7	.2							4.0	8.9
NNE		.4	.8	1.0	.7	.3						3.2	13.7
NE	.1	.8	.3	.2	.3							1.7	9.4
ENE	.5	.3	1.1	.3	.2							2.5	8.1
E	.2	.7	.7	.7								2.2	8.2
ESE	.1	.4	.2	.7	.1							1.5	9.8
SE	.1	.1	.2	.3		.3						1.1	13.3
SSE				.1	.3	.1						.5	19.0
S	.1	.2	.7	.5	1.0							2.5	13.3
SSW	.1	.7	.7	.7	.4	.2						2.7	11.7
SW	.2	.4	.5	.3	.5							2.1	10.9
WSW	.1	.4	.5	1.7	.2							3.1	12.0
W	.3	2.8	4.3	4.7	2.5	.2						14.9	11.2
WNW	.3	4.5	5.0	3.0	1.6	.4						14.9	10.2
NW	.5	3.2	6.9	3.3	.5							14.4	9.0
NNW	.3	3.6	4.4	1.9	.2							10.4	8.2
VARBL													
CALM												18.3	
	3.2	20.1	27.9	20.0	9.0	1.6						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 915

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725 60 — STATION
OTIS AFB MA — STATION NAME
68-70,73,76-81 — 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	1.5	1.9	.6	.2							4.5	8.4
NNE		.1	.4	.6	1.1							2.3	15.0
NE		.4	.4	.4	.5							1.8	12.1
ENE	.2	.8	1.2	.4	.1							2.7	8.8
E	.2	.5	1.1	.2								2.1	7.9
ESE		.2	1.0	.5	.1	.1						1.9	11.6
SE	.1	.4	.3	.4	.1							1.4	9.9
SSE		.3	.1		.1	.3						.9	14.4
S		.3	1.2		.2							1.7	9.3
SSW	.1	.2	.9	.4	.9	.4						2.9	14.5
SW		1.0	.9	.5	.5		.1					3.0	11.0
WSW		1.1	1.2	1.6	.2							4.1	10.2
W	.2	4.6	4.8	4.1	2.6	.4						16.7	10.8
WNW	.3	3.2	5.2	2.6	1.6	.2						13.2	10.0
NW	.4	2.2	6.3	4.0	.8							13.6	9.9
NNW	.2	3.6	4.5	.8	.1							9.2	7.6
VARBL													
CALM												17.9	
	2.1	20.5	31.3	17.4	9.2	1.5	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

25068	OTIS AFB MA	68-70,73,76-81	JAN
STATION	STATION NAME	YEARS	MONTH

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	2.2	2.0	1.6								6.1	8.4
NNE		.3	.8	1.2	.9	.1						3.2	13.9
NE		.2	.4	1.4	.6	.1						2.8	13.7
ENE		.1	1.2	.5	.3	.2						2.4	12.8
E	.1	.9	.4	.4								1.8	7.5
ESE		.3	.6	.6	.3							1.9	11.4
SE	.1	.6	.3	.6	.1							1.8	9.2
SSE	.1	.4	.4	.3	.2	.1						1.6	10.6
S	.4	.3	.8	.4	.2	.1						2.3	10.0
SSW		.5	.6	.6	.4		.3					2.6	13.5
SW	.3	.5	1.4	2.0	.9	.1	.1					5.4	12.2
WSW		.6	1.8	1.5	.3							4.3	11.0
W	.3	1.5	4.4	6.2	3.1	.1						15.7	12.3
WNW	.4	2.9	4.3	5.2	3.9	.3	.1					17.1	12.2
NW	.2	2.0	3.9	3.0	1.4	.1						10.6	10.8
NNW		2.5	6.2	2.6	.4							11.7	9.5
VARBL													
CALM												8.6	
	2.4	16.0	29.7	28.4	13.1	1.3	.5					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: [illegible]63 STATION NAME: OTIS AFB MA YEARS: 68-70,73,76-81 MONTH: JAN

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

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.3	3.5	2.4	.2							7.6	10.0
NNE	.1	1.1	1.2	1.6	.6	.3	.1					5.1	12.1
NE	.4	.3	1.4	1.6	.3	.2	.1					4.9	11.2
ENE	.1	.4	.2	.3		.5						1.6	13.1
E		.5	.8	.6	.1							2.1	10.0
ESE	.1	.3	.2	1.0		.3						1.9	12.3
SE			1.1	.2	.1							1.4	10.2
SSE	.1	.6	.4	.5	.4	.1						2.3	11.1
S	.3	1.2	.5	.6	.3							3.0	8.6
SSW	.1	.4	.5	1.5		.1						2.7	11.3
SW	.1	.1	1.3	1.7	1.6	.3						5.2	14.3
WSW	.2	.6	2.4	3.1	1.1	.1	.1					7.7	12.3
W		1.5	6.5	7.8	2.6	.8						19.1	12.6
WNW	.1	1.4	4.2	3.9	2.3	.3	.2					12.4	12.4
NW	.2	1.8	4.2	2.3	1.5	.3						10.4	11.4
NNW		1.2	2.8	2.9	.5							7.5	10.6
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	5.2	
	2.2	13.4	31.2	32.2	11.8	3.5	.5					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 925

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

CL AL CLIMATOLOGY BRANCH
AFETAC
EATHER SERVICE/MAC

SURFACE WINDS

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

63 STATION
OTIS AFB MA STATION NAME
68-70,73,76-81 YEARS
JAN MONTH
ALL WEATHER CLASS
1500-1700 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	2.2	2.5	1.5	.1	.1						6.6	8.8
NNE	.3	1.7	1.1	1.1	.5	.3						5.1	10.0
NE		1.7	1.2	.9	.3	.3						4.4	10.2
ENE	.3	1.3	1.1	.1			.1					2.9	7.1
E	.1	.6	.2	.5		.3						1.8	11.5
ESE	.2	.4	.3	.5		.1						1.6	9.3
SE	.1	.6	.8	.3								1.8	8.2
SSE		1.0	1.0	.5	.1							2.6	8.4
S		.9	1.0	1.0	.3							3.1	10.4
SSW	.1	.3	1.0	.6	.2							2.3	10.6
SW	.1	1.5	.5	1.9	.3	.4						4.8	11.7
WSW	.1	1.3	3.4	2.6	1.5							8.9	11.4
W	.1	3.2	5.8	5.5	2.2	.1	.1					17.0	11.1
WNW	.1	2.4	3.4	3.7	2.2	.4	.2					12.4	12.1
NW	.3	2.5	3.3	2.5	2.0	.4						11.1	11.4
NNW		1.1	3.0	1.4	.4							5.9	10.3
VARBL													
CALM												7.7	
	2.2	22.7	29.6	24.6	10.2	2.6	.4					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: [illegible].63
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,76-81
MONTH: JAN

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

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.5	1.6	.9	1.0	.1	.2						4.3	8.8
NNE	.3	1.1	.6	.5	.8	.8						4.1	12.4
NE	.3	.5	1.1	.2								2.2	7.5
ENE		.6	.9	.3	.2							2.0	9.4
E	.1	.9	.9	.3	.1							2.3	7.9
ESE		.2	.3	.4		.1						1.1	12.4
SE	.1	.2	.4	.2	.1							1.1	9.6
SSE	.1		1.8	.4	.2							2.6	9.7
S		.9	.4	.4	.6							2.4	11.2
SSW		.3	.8	.9								1.9	10.8
SW	.1	1.3	1.7	1.1	.3							4.5	9.7
WSW	.3	.8	2.0	1.5	1.0	.1						5.7	11.3
W	1.0	4.0	4.2	4.3	1.5	.3	.2					15.5	10.3
WNW	.5	3.1	5.2	3.9	1.9	.5		.1				15.3	11.0
NW	.2	3.4	2.7	2.0	1.0	.3						9.7	9.7
NNW	.6	2.5	2.0	1.1	.5							6.8	8.4
VARBL													
CALM												18.6	
	4.3	21.4	25.9	18.6	8.4	2.4	.2	.1				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 725069
STATION NAME: OTIS AFB MA
YEARS: 69-70,73,76-81
MONTH: JAN
CLASS: ALL WEATHER
HOURS (L.S.T.): 2100-2300
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.4	1.5	1.6	.2							5.0	9.8
NNE	.2	.4	.5	.8	.3	.5						2.8	13.2
NE	.2	.3	.4	.4	.2	.1						1.7	11.3
ENE	.3	1.3	.8	.1								2.5	6.5
E	.1	.5	.9	.5	.2	.1						2.4	10.1
ESE	.1	.3	.1	.2	.2	.2						1.2	12.4
SE	.1		.4	.3								.9	10.3
SSE		.5	.4	.9	.1							1.9	9.9
S	.1	.9	.9	.3	.8							2.9	11.1
SSW		.3	1.2	.4	.2							2.2	11.0
SW	.2	1.3	1.0	.2	.3							2.7	8.4
WSW		1.0	1.8	2.2	1.0	.1						6.0	11.8
W	.4	2.8	4.8	5.3	1.1	.3	.2					14.9	11.2
WNW	.3	4.9	5.5	3.3	1.4							15.4	9.5
NW	.5	2.8	2.3	3.0	1.4	.1						10.2	10.5
NNW	.4	3.9	3.0	2.1	.4	.1	.1					10.0	8.9
VARBL													
CALM												17.3	
	3.1	22.6	25.5	21.7	7.9	1.6	.3					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 926

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

L ?AL CLIMATOLOGY BRANCH
AFETAC
EATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 766
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,76-81
MONTH: JAN
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	1.7	1.9	1.4	.1	.0						5.4	9.1
NNE	.1	.7	.7	.9	.7	.3	.0					3.5	12.6
NE	.2	.6	.8	.7	.3	.1	.0					2.8	10.7
ENE	.2	.3	.9	.3	.1	.1	.0					2.5	8.9
E	.1	.7	.7	.5	.1	.1						2.0	8.9
ESE	.1	.3	.4	.5	.1	.1						1.6	11.3
SE	.1	.3	.5	.4	.1	.1						1.4	10.1
SSE	.0	.4	.6	.4	.2	.1						1.7	10.7
S	.1	.6	.8	.5	.6	.0						2.6	10.9
SSW	.1	.4	.7	.7	.4	.1	.0					2.4	12.2
SW	.1	.9	1.0	1.0	.6	.1	.0					3.7	11.3
WSW	.1	.8	1.7	1.9	.8	.0	.0					5.4	11.5
W	.4	2.9	4.9	5.4	2.2	.4	.1					16.3	11.4
WNW	.4	3.3	4.9	3.6	2.1	.3	.1	.0				14.6	10.9
NW	.4	2.7	4.4	2.9	1.2	.2						11.7	10.2
NNW	.2	2.7	3.6	1.8	.4	.0	.0					6.7	8.9
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	13.9	
	2.9	19.6	28.6	22.9	9.8	2.0	.3	.0				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 7396

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

AD-A113 716 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2
OTIS AFB, FALMOUTH, MASSACHUSETTS. REVISED UNIFORM SUMMARY OF S--ETC(U)
FEB 82
UNCLASSIFIED USAFETAC/DS-82/010 SBI-AD-E850 155 NL

5 of 5
[illegible]

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DATE
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5-82
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LOBAL CLIMATOLOGY BRANCH
AFETAC
AI EATHER SERVICE/MAC

SURFACE WINDS

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

68 STATION — OTIS AFB MA STATION NAME — 69-70,73,76-81 YEARS — FEB MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.6	.9	2.7	1.4	.9	.1						6.7	10.6
NNE	.1	.4	.7	1.6	.7	.4						3.9	13.5
NE		.4	.4		1.3	.4	.1					2.5	17.1
ENE	.2	.9	1.3	.4								2.8	7.6
E	.4	1.1	.6	.7								2.7	8.0
ESE	.2	.4	.6	.5								1.6	7.7
SE		.1	.7	.4	.1							1.3	11.1
SSE		1.1	.4	.7								2.1	8.7
S	.1	.5		.6	.6	.1						2.0	12.6
SSW	.1	.2	.6	.5		.2	.1					1.8	12.3
SW		.1	.5	1.3	.1	.1						2.1	12.7
WSW	.5	1.2	2.6	.9	.7	.2						6.1	10.2
W	.2	1.9	3.9	4.0	.7							10.7	10.5
WNW	.4	1.8	4.9	2.0	.6							9.7	9.5
NW	.8	3.7	4.2	4.1	.5							13.3	9.2
NNW	.4	4.2	3.9	1.5	.6	.2						10.8	8.8
VARBL													
CALM												19.8	
	4.0	18.8	27.9	20.6	6.8	1.8	.2					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 849

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: [illegible]68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,76-81
MONTH: FEB

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

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.3	2.4	2.1	.6	.2	.2					7.2	11.5
NNE		.6	.5	.5	.6	.7	.2					3.1	16.1
NE	.1	1.4	.6	.9	.6		.1					3.8	10.7
ENE	.1	.8	1.4	.6	.2							3.2	8.9
E	.7	.8	1.1	.6								3.2	7.1
ESE		.2	.4	.1								.7	7.5
SE		.1	.5	.6								1.2	11.9
SSE	.1	.5	.4	.2								1.2	7.6
S	.4	.5	.8	.6	.7							2.9	11.3
SSW	.2	.6	.6	.1								1.5	7.2
SW	.1	.9	.6	.8	.6							3.1	10.7
WSW	.1	.8	1.7	2.2	.5	.4						5.7	11.6
W	.5	2.5	3.1	3.7	.1							9.8	9.6
WNW	.2	2.8	5.1	1.5								9.7	8.5
NW	.2	3.5	5.3	3.7	.4							13.1	9.3
NNW	.7	4.7	2.8	2.6	.7	.1						11.7	8.9
VARBL													
CALM												19.1	
	3.9	22.2	27.0	20.9	5.0	1.4	.6					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 848

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725768 STATION
OTIS AFB MA STATION NAME
68-70,73,76-81 YEARS
FEB MONTH
ALL WEATHEP CLASS
0600-0800 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.2	1.9	1.4	.4	.1	.4					5.5	11.4
NNE	.2	.5	.9	1.2	.9	.4	.4	.1				4.6	15.2
NE	.4	.6	.4	1.5	.2							3.1	10.6
ENE	.5	.6	1.3	1.2	.1							3.7	9.4
E	.2	.6	1.2	.6								2.6	8.3
ESE	.6	.5	.2		.1							1.4	5.6
SE	.1	.1	.4	.5	.2							1.3	11.5
SSE	.1	.4	.2	.6								1.3	9.0
S	.1	.9	1.1	1.3	.1							3.4	9.9
SSW	.1	.2	.5	.4								1.2	8.6
SW	.1	.7	1.4	1.4	.2							3.9	10.1
WSW	.1	1.8	1.2	1.8	.5	.4						5.7	10.8
W	.4	2.2	3.7	3.8	.5							10.5	9.9
WNW	.4	2.1	5.1	2.5	.5							10.5	9.2
NW	.6	2.8	6.0	2.2	.2	.4						12.2	9.4
NNW	.6	3.3	3.4	3.4		.1						10.8	9.3
VARBL													
CALM												18.4	
	4.7	18.4	28.7	23.7	4.0	1.3	.7	.1				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 849

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725068 STATION — OTIS AFB MA STATION NAME — 68-70,73,76-81 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		1.2	2.7	2.6	.7		.4					7.5	12.1
NNE	.1		1.3	.8	1.9	.7	.6	.1				5.5	17.6
NE	.2	.6	.8	2.4	.5	.2						4.7	12.4
ENE	.1	1.1	.9	1.2	.5	.1						3.9	10.5
E		.8	.9	.8								2.6	8.9
ESE		.6	1.2									1.8	8.4
SE	.1	.2	1.3	.6								2.2	9.5
SSE		.2	1.1	.9	.2	.1						2.6	11.5
S		.1	1.5	1.4	.2							3.3	11.5
SSW	.1	.7	.5	1.2	.6	.1						3.2	12.0
SW	.1	.6	1.1	.9	1.2	.2						4.1	13.5
WSW		.5	1.9	3.4	1.1	.1						6.9	13.1
W	.1	1.9	3.9	3.8	1.3	.6	.1					11.5	12.0
WNW		.9	4.7	4.7	1.1	.4						11.8	11.7
NW	.1	1.8	4.9	4.0	.8	.2						11.9	11.0
NNW		1.1	3.3	3.1	1.2	.1						8.7	11.6
VARBL													
CALM												7.7	
	1.1	12.1	32.0	31.8	11.2	2.9	1.1	.1				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible] 68	OTIS AFB MA	68-70,73,76-81	FEB
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.9	3.2	2.7	.9		.2	.2				8.1	12.6
NNE		.6	1.3	1.8	1.8	.7	.1	.1				6.4	15.8
NE		.4	.9	2.0	1.4							4.7	14.1
ENE	.1	.4	.7	.5	.5	.4	.1					2.6	14.1
E		.9	.9	.6			.1					2.6	9.2
ESE		.2	1.5	.4								2.1	9.3
SE	.2	.4	1.7	.9	.1							3.3	9.6
SSE	.4	.6	.2	.1	.5	.2						2.0	10.9
S	.5	.5	1.2	1.5	.7	.4						4.7	12.0
SSW	.1	.4	1.1	.9	.2	.1						2.8	11.4
SW		.3	1.3	2.1	1.4	.2	.5					5.8	15.5
WSW		1.7	3.5	4.2	2.9	.2	.1	.1				12.9	13.2
W		1.9	4.4	5.0	1.2	.1						12.5	11.6
WNW	.1	1.5	4.8	4.7	.8	.8	.1					13.0	12.1
NW	.1	1.1	3.1	4.1	.9							9.3	11.6
NNW		.4	1.3	2.2	.5	.4						4.7	13.3
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	2.5	
	1.5	11.8	31.1	33.8	13.9	3.5	1.3	.5				100.0	12.2

TOTAL NUMBER OF OBSERVATIONS 848

[illegible]AL CLIMATOLOGY BRANCH
[illegible]FETAC
A[illegible] [illegible]EATHER SERVICE/MAC

SURFACE WINDS

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

STATION: [illegible]5 68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,76-81
MONTH: FEB
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		1.4	2.1	2.0	.2	.1	.6					6.5	12.1
NNE	.1	1.2	1.3	1.3	1.7	.9						6.5	14.0
NE	.1	1.3	1.7	2.9	1.2	.2						7.4	12.0
ENE		.9	.7	.2		.1	.2	.1				2.4	11.8
E	.1	.4	.7	.5	.1	.1						1.9	10.4
ESE		.5	1.8	.4								2.6	8.5
SE		.6	.9	.2	.2							2.0	9.5
SSE	.1	.1	.8	.6	.2	.4						2.2	13.3
S	.1	1.8	.9	.8	.5							4.1	9.1
SSW	.2	.6	2.4	1.1								4.2	8.7
SW	.2	.9	1.7	2.5	1.1	.1						6.5	11.5
WSW	.4	1.3	4.0	4.0	1.2	.2						11.1	11.6
W	.1	2.0	3.9	4.7	2.1	.4	.1					13.3	12.1
WNW		1.5	4.6	4.6	1.2	.5						12.4	12.0
NW	.1	1.1	2.8	3.2	.9							8.1	11.8
NNW	.1	.2	2.0	2.6	1.1							6.0	12.3
VARBL													
CALM												2.7	
	1.8	15.8	32.3	31.6	11.7	3.1	.9	.1				100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 848

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 725068 STATION NAME: OTIS AFB MA YEARS: 68-70,73,76-81 MONTH: FEB

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

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.3	1.8	.9	.2	.7	.1					5.2	11.8
NNE	.5	1.3	.6	1.3	1.3	.8	.1					5.9	13.2
NE	.4	.7	.8	1.7	.6	.4	.1					4.6	12.5
ENE	.5		.2	1.1				.2				2.0	12.9
E	.4	1.4	.6		.2							2.6	6.3
ESE		.7	.6	.5	.2	.1						2.1	10.6
SE	.2	.6	.7	.2	.4							2.1	8.9
SSE		.4	.5		.4	.1	.2					1.5	14.2
S	.6	.8	1.1	.1	.2	.1						2.9	7.9
SSW	.1	.7	1.4	.8	.2							3.3	9.9
SW	.1	1.9	2.0	1.4	.6							6.0	9.6
WSW	.2	2.1	1.7	2.1	.1							6.2	8.8
W	.1	3.4	5.7	3.2	1.2	.2	.1					13.9	10.2
WNW	.1	2.5	3.8	3.1	.4	.6						10.4	10.5
NW	.2	3.8	2.7	1.9	.6	.2						9.4	9.2
NNW	.2	2.1	1.9	.9	.8	.2						6.2	10.0
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	15.4	
	3.8	23.7	25.9	19.2	7.4	3.5	.7	.2				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 848

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725068 STATION

OTIS AFB MA STATION NAME

68-70,73,76-81 YEARS

FEB MONTH

ALL WEATHER CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	2.1	2.0	.9	.7	.4	.1					7.1	9.6
NNE		.8	1.2	1.4	1.1	.6						5.1	13.7
NE	.2	.1	.2	.7	1.3	.2	.1					2.9	16.0
ENE	.2	1.1	1.3	.7	.1							3.4	8.2
E	.6	.7	.7	.4	.1		.1	.1				2.7	9.6
ESE	.2	.7	.7	.1	.1							1.9	7.3
SE	.1	.1	.4	.8	.4	.1						1.9	12.8
SSE	.1	.8	.2	.1	.1							1.4	6.8
S		.4	1.2	.4	.2	.5	.1					2.7	13.4
SSW		.8	.6	.5	.2							2.1	9.5
SW	.1	.8	.7	1.2	.4							3.2	10.5
WSW		1.8	.8	1.5	.6							4.7	10.5
W	.2	3.1	3.2	4.6	.8	.2						12.1	10.6
WNW	.1	2.9	5.2	2.9	.9							12.1	9.9
NW	.7	1.8	1.5	3.4	.9							8.4	10.3
NNW	.4	2.2	1.8	2.1	.7							7.2	9.9
VARBL													
CALM												21.1	
	3.9	20.3	21.7	21.8	8.7	2.0	.5	.1				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 849

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 225 68
STATION NAME: OTIS AFB MA
YEARS: 69-70,73,76-81
MONTH: FEB
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	.3	1.3	2.3	1.8	.6	.2	.3	.0				6.7	11.5
NNE	.1	.7	1.0	1.2	1.2	.6	.2	.0				5.1	14.8
NE	.2	.7	.7	1.5	.9	.2	.1					4.2	12.9
ENE	.2	.7	1.0	.7	.2	.1	.0	.0				3.0	10.2
E	.3	.8	.8	.5	.1	.0	.0	.0				2.6	8.4
ESE	.1	.5	.9	.2	.1	.0						1.8	8.3
SE	.1	.3	.8	.5	.2	.0						1.9	10.3
SSE	.1	.5	.5	.4	.2	.1	.0					1.8	10.6
S	.2	.7	1.0	.8	.4	.1	.0					3.3	10.9
SSW	.1	.5	.9	.7	.2	.1	.0					2.5	10.1
SW	.1	.8	1.1	1.5	.7	.1	.1					4.3	11.8
WSW	.2	1.4	2.2	2.5	.9	.2	.0	.0				7.4	11.5
W	.2	2.3	3.9	4.1	1.0	.2	.0					11.8	10.9
WNW	.2	2.0	4.8	3.3	.7	.3	.0					11.2	10.5
NW	.4	2.4	3.8	3.3	.7	.1						10.7	10.1
NNW	.3	2.3	2.5	2.3	.7	.1						8.3	10.1
VARBL													
CALM												13.3	
	3.1	17.9	28.3	25.4	8.6	2.4	.8	.1				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS 6788

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725068 OTIS AFB MA 68-70,73,76-81 MAR
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	.4	2.4	2.3	1.9	.4	.2	.3	.1				8.1	10.5
NNE	.1	.6	1.7	1.5	.2	.1		.1				4.4	10.8
NE	.2	.4	2.2	1.1	.1	.2	.1					4.3	10.9
ENE	.3	.3	1.2	.4	.3	.1						2.7	10.2
E	.3	.8	.4	.4	.4							2.4	9.5
ESE		.3	.4		.1							.9	8.5
SE		1.9	.3	.5	.4							3.2	8.4
SSE	.4	.8	.4	.8	.1	.1						2.6	8.9
S	.4	1.4	1.2	1.1	.2							4.3	8.6
SSW	.1	.9	.8	.8	.3							2.8	9.7
SW	.4	1.7	2.2	1.0	.5							5.8	8.9
WSW	.2	1.2	2.3	1.9	.3							5.9	9.8
W	.6	1.7	3.8	2.7	.4	.3						9.6	10.0
WNW	.6	4.0	4.0	2.4	.9							11.8	9.0
NW	.4	2.3	2.5	1.7	.5	.2						7.6	9.4
NNW	.3	1.8	2.3	1.2	.2	.1						5.9	8.9
VARBL													
CALM												17.7	
	5.1	22.5	27.8	19.4	5.6	1.4	.4	.2				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible]C68 — STATION
OTIS AFB MA — STATION NAME
68-70,73,76-81 — YEARS
MAR — MONTH
ALL WEATHER — CLASS
0300-0500 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.0	3.3	2.5	1.1	.1						8.4	11.3
NNE	.2	1.0	1.9	1.4	.3							4.8	9.8
NE		.6	1.4	1.3	.3	.3						4.0	11.8
ENE	.1	.2	1.6	.1	.3							2.4	10.0
E	.2	.6	1.0		.4							2.3	9.2
ESE	.1	.4	.4	.5	.2							1.7	10.2
SE		.3	.5		.3							1.2	10.4
SSE		.6	.3	.5	.1							1.6	9.4
S	.1	1.1	1.1	1.1								3.3	8.5
SSW		.2	.6	1.1	.4							2.4	12.3
SW	.1	1.8	1.6	.9	.3							4.7	8.5
WSW	.6	1.5	2.0	.8	.5		.1					5.6	9.3
W	.3	2.4	3.3	3.2	.6							9.9	9.9
WNW	.8	3.1	3.4	2.6	.6	.1						10.7	9.2
NW	.5	3.2	2.8	1.2	.3							8.1	7.9
NNW	.3	1.8	2.6	1.2	.4							6.4	8.8
VARBL													
CALM												22.6	
	3.9	20.0	28.1	18.3	6.5	.5	.1					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible]68 OTIS AFB MA 68-70,73,76-81 MAR
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	.6	4.0	2.7	.6	.4	.2					6.9	11.8
NNE	.1	.4	1.0	2.6	.1	.2						4.4	11.9
NE	.1	1.5	1.3	.9	.1	.1	.2					4.2	9.7
ENE		.1	1.6	1.7	.3							3.8	11.8
E		.3	.9	.4								1.6	9.9
ESE	.2	.4	.6	.3	.2							1.8	9.2
SE	.2	.5	.4	.3	.1							1.6	8.4
SSE	.1	.2	.9	.5								1.7	9.6
S		1.7	1.9	1.9	.2							5.8	9.4
SSW	.1	.9	.8	1.1	.2							3.0	10.3
SW	.2	.6	1.6	.8	.2	.1						3.5	9.9
WSW	.1	1.8	3.0	1.5	.2	.2						6.9	9.8
W	.5	2.3	2.0	3.3	.8	.3						9.2	10.8
WNW	.2	2.8	2.9	4.7	.8							11.4	10.3
NW	1.0	2.8	3.1	1.9	.1							8.9	7.7
NNW	.4	1.4	2.6	1.2	.6							6.2	9.7
VARBL													
CALM												16.9	
	3.7	13.5	28.6	25.9	4.6	1.4	.4					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725068 OTIS AFB MA 68-70,73,76-81 MAR
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.9	2.2	3.2	.9	.3	.1					7.5	12.7
NNE	.1	.5	2.5	4.7	1.6	.3	.4					10.2	14.2
NE	.1	.8	1.5	1.6	.1							4.1	10.1
ENE	.1	1.0	1.7	2.0	.5	.1						5.5	11.1
E		.6	.9	.8								2.3	9.2
ESE	.1	.4	.4	.9	.2							2.0	10.2
SE		.3	.4	.6	.2	.1						1.7	11.6
SSE		.8	.4	.4	.1							1.7	8.9
S	.4	.9	1.6	1.5	.3							4.7	9.7
SSW		.9	2.4	2.8	.6							6.7	11.3
SW	.2	.9	1.5	1.8	.6	.8						5.8	12.6
WSW	.1	1.2	2.3	2.3	1.1	.9						7.7	12.6
W	.8	2.3	3.5	3.3	1.5	.2	.2					11.8	11.1
WNW	.1	1.3	2.9	4.7	1.1	.2	.2					10.5	12.5
NW		1.1	2.9	3.5	.8							8.3	11.2
NNW		.2	2.2	1.9	.3							4.6	11.4
VARBL													
CALM												4.7	
	2.0	13.9	29.2	36.2	10.0	2.9	1.0					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: [illegible]5[illegible]68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,76-81
MONTH: MAR
CLASS: ALL WEATHER
HOURS (L.S.T.): 1200-1400
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.1	2.0	3.2	1.1	1.0	.1					8.5	13.6
NNE		.6	2.5	4.3	1.3	.2	.6					9.6	14.0
NE	.2	.9	1.9	2.3	.4							5.7	11.0
ENE		1.0	1.8	.6	.2	.1						3.8	9.7
E	.1	.9	1.6	.3								2.9	7.9
ESE	.2	.4	1.3	.6								2.6	8.7
SE	.2	.1	.8	1.2								2.3	10.5
SSE	.2	.4	.4	.8	.3							2.2	10.5
S	.2	1.6	1.0	1.5	.5	.1						5.0	10.4
SSW	.1	1.3	2.5	2.6	1.2							7.6	11.4
SW		.6	2.3	3.4	.8	.3						7.4	12.3
WSW		.2	2.9	3.4	2.8	.4						9.8	14.3
W	.5	.9	4.1	4.0	3.0	.9						13.3	13.1
WNW		1.0	2.7	3.0	1.2	.4						8.3	12.6
NW		.5	1.6	3.0	.8	.1						6.0	12.6
NNW		.5	1.6	.3	.2							2.7	10.0
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	2.4	
	1.8	12.1	31.0	34.7	13.8	3.6	.8					100.0	11.9

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)

7[illegible]068 STATION | OTIS AFB MA STATION NAME | 68-70,73,76-81 YEARS | MAR MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.4	1.9	2.3	.5	.2	.1					5.7	12.5
NNE	.2	1.5	3.5	3.9	1.1	.4	.4					11.1	12.5
NE	.1	1.3	2.5	1.4	.2							5.5	9.3
ENE	.3	1.1	1.6	.6	.2							3.9	8.5
E	.4	1.2	.8	.8								3.1	7.7
ESE	.2	.2	.9	1.1	.2	.1						2.7	11.6
SE	.3	.5	.6	.9	.1							2.5	9.2
SSE	.2	.6	.9	.8								2.5	8.9
S	.2	1.6	2.5	.6	.4							5.4	8.9
SSW	.1	1.0	2.9	1.8	1.1	.1						7.0	11.3
SW	.1		4.0	3.3	1.2	.1						8.7	12.2
WSW	.2	1.0	4.2	5.3	1.5	.2						12.4	12.2
W		1.0	2.3	3.8	2.2	.3						9.5	13.4
WNW		.8	1.5	4.3	1.9	.1						8.6	13.7
NW		.3	2.0	3.0	.1	.2						5.7	12.1
NNW	.1	.1	1.1	1.4	.5	.1						3.3	12.9
VARBL													
CALM												2.6	
	2.8	12.6	33.1	35.2	11.3	1.9	.5					100.0	11.3

TOTAL NUMBER OF OBSERVATIONS 930

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

AL CLIMATOLOGY BRANCH
FETAC
EATHER SERVICE/MAC

SURFACE WINDS

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

5 68 STATION
OTIS AFB MA STATION NAME
68-70,73,76-81 YEARS
MAR MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.3	1.7	2.0	.2	.1	.2					5.9	11.1
NNE	.1	1.2	2.3	1.2	.4	.3	.2					5.7	11.5
NE		.8	2.3	.8	.1							3.9	9.2
ENE	.3	1.2	1.1	.9		.4						3.9	9.5
E	.2	.6	1.0	.9								2.7	8.9
ESE	.1	.8	1.2	.6	.4	.2						3.3	11.3
SE	.4	.4	.8	.2								1.8	7.1
SSE	.3	1.3	.6	.4	.1							2.8	6.8
S	.3	2.2	1.2	.9	.2							4.7	7.9
SSW	.4	2.0	2.3	1.2	.1							6.0	7.9
SW	.6	1.8	3.7	1.4	.5	.2						8.3	9.5
WSW	.2	3.3	3.0	2.6	.9	.2						10.2	9.9
W	.4	2.0	2.7	3.1	1.1							9.4	10.5
WNW	.2	1.9	1.9	2.9	1.3							8.3	11.0
NW		.6	2.5	1.9	1.3							6.4	11.8
NNW	.2	.6	1.2	1.7	.5							4.3	11.4
VARBL													
CALM												12.4	
	4.3	22.2	29.3	22.7	7.2	1.5	.4					100.0	8.8

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)

STATION	STATION NAME	YEARS	MONTH
725068	OTIS AFB MA	68-70,73,76-81	MAR

CLASS: ALL WEATHEP

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

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.7	2.0	2.3	.3		.6					7.2	11.3
NNE		.8	1.1	1.1	.2							3.1	10.3
NE	.2	.2	2.5	.8	.3							4.0	9.8
ENE		1.1	1.0	.8	.1	.2	.1					3.2	11.2
E	.1	.4	1.0	.4	.1							2.0	8.9
ESE		.6	.3	.5	.6							2.2	12.4
SE	.3	.6	.5									1.5	5.9
SSE		1.7	1.0	.3	.4	.1						3.6	9.2
S	.4	1.1	1.8	.6								4.0	7.8
SSW	.1	1.4	1.6	.6	.3	.1						4.2	9.4
SW	.4	2.3	2.3	1.2	.4							6.6	8.7
WSW	.2	1.8	2.6	1.5	.8							6.9	9.7
W	.9	3.0	2.5	3.4	.8							10.5	9.6
WNW	.6	1.9	3.7	2.5	1.2	.4						10.3	10.9
NW	.5	2.0	2.3	2.0	.9	.1						7.9	10.0
NNW	.3	1.0	1.1	1.0	.1							3.4	8.5
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	19.4	
	4.4	21.7	27.1	19.1	6.6	1.0	.8					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 929

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

LL RAL CLIMATOLOGY BRANCH
AFETAC
A WEATHER SERVICE/MAC

SURFACE WINDS

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

72 068 STATION
UTIS AFB MA STATION NAME
68-70,73,76-81 YEARS
MAR MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	1.2	2.4	2.5	.6	.3	.2	.0				7.5	11.9
NNE	.1	.9	2.1	2.6	.7	.2	.2	.0				6.7	12.4
NE	.1	.9	1.9	1.3	.2	.1	.0					4.5	10.2
ENE	.1	.7	1.5	.9	.3	.1	.0					3.6	10.3
E	.2	.7	.9	.5	.1							2.4	8.8
ESE	.1	.5	.7	.6	.3	.0						2.2	10.5
SE	.2	.6	.6	.5	.1	.0						2.0	8.9
SSE	.2	.8	.6	.6	.1	.0						2.3	8.9
S	.3	1.4	1.5	1.2	.2	.0						4.7	9.0
SSW	.1	1.1	1.7	1.5	.5	.0						5.0	10.5
SW	.3	1.2	2.4	1.7	.6	.2						6.4	10.5
WSW	.2	1.5	2.8	2.4	1.0	.2	.0					8.2	11.2
W	.5	1.9	3.0	3.4	1.3	.3	0					10.4	11.1
WNW	.3	2.1	2.9	3.4	1.1	.2	.0					10.0	11.0
NW	.3	1.6	2.5	2.3	.6	.1						7.4	10.1
NNW	.2	.9	1.8	1.2	.4	.0						4.6	10.0
VARBL													
CALM												12.3	
	3.5	17.9	29.3	26.4	8.2	1.8	.6	.0				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 7435

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725068	OTIS AFB MA	68-70,73,76-81	APR
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

CONDITION

0000-0200
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	2.7	2.0	.6								5.7	6.8
NNE	.1	2.1	.9	1.7	.2							5.0	9.1
NE		1.1	.2	1.1	.8							3.2	11.6
ENE	.1	.8	.4	.3								1.7	7.4
E	.2	.6	1.0	.2								2.0	8.1
ESE	.3	.6	.3	.7	.1							2.0	8.7
SE	.2	.7	.8	.2								1.9	7.2
SSE	.2	1.0	.8	1.2								3.2	9.0
S	.1	1.0	.3	.7	.2	.4						2.8	11.5
SSW	.3	1.4	1.3	1.0	.2	.1						4.4	9.4
SW	.3	2.7	1.8	1.2	.4	.1	.1					6.7	9.1
WSW	.3	4.2	3.0	2.3	.6	.4	.1					11.0	9.5
W	.4	3.7	4.7	2.1	.2							11.1	8.3
WNW	.3	1.9	2.7	.9	.2							6.0	8.4
NW	.1	3.0	2.4	1.1		.1						6.8	8.0
NNW	.4	3.0	1.7	.6								5.7	6.7
VARBL													
CALM												20.9	
	4.1	30.3	24.3	15.9	3.0	1.2	.2					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725068 OTIS AFB MA 68-70,73,76-81 APR
STATION STATION NAME YEARS MONTH

ALL WEATHER 0300-0500
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	3.4	1.9	1.3								6.8	7.9
NNE	.4	1.2	1.2	1.9	.4	.1						5.3	9.8
NE	.4	1.3	.9	.8	.3							3.8	8.4
ENE	.2	.7	.8	.2								1.9	7.4
E	.2	.8	1.1	.2								2.3	7.8
ESE	.1	.7	.4	.6								1.8	7.9
SE	.1	.7	1.1	.3								2.2	8.0
SSE	.4	.7	.2	.3	.2							1.9	8.1
S	.2	.7	1.1	.7	.1		.1					2.9	10.1
SSW	.1	1.0	1.1	.2	.2	.2						2.9	9.9
SW	.4	2.6	1.6	1.8	.3	.3	.1					7.1	9.9
WSW	.8	3.3	2.6	2.1	.9	.4	.1					10.2	9.7
W	.6	3.6	4.1	1.6	.1							9.9	8.1
WNW	.4	2.6	2.6	1.3								6.9	7.9
NW	.4	3.8	3.2	1.0								8.4	7.4
NNW	.4	1.8	1.7	.2								4.1	6.7
VARBL													
CALM												21.6	
	5.6	28.7	25.6	14.6	2.7	1.1	.3					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725068 OTIS AFB MA 68-70,73,76-81 APR
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		2.7	3.1	1.0	.8							7.6	9.2
NNE	.2	.9	1.7	3.0	.3	.1						6.2	11.4
NE	.1	1.4	1.8	1.3	.4							5.1	10.0
ENE		1.6	.8	.7	.1							3.1	8.3
E	.6	1.4	.8	.7								3.4	7.2
ESE		1.3	.7	.9	.1							3.0	8.9
SE		.6	1.2	.8	.1							2.7	9.5
SSE	.3	.2	.4	.4	.1							1.6	9.5
S	.1	1.0	1.4	1.0	.2							3.8	9.6
SSW	.4	.9	.9	.8	.2	.1						3.3	8.8
SW	.3	1.3	1.9	1.0	.6	.6	.1					5.8	11.4
WSW	.2	2.0	3.4	3.2	.9	.3						10.1	10.9
W	.7	2.4	3.3	3.3	.7	.1	.2					10.8	10.0
WNW	.2	1.1	3.2	2.3	.2	.1						7.2	10.0
NW	.3	1.9	4.0	2.6	.4							9.2	9.6
NNW	.2	1.7	3.1	1.0								6.0	8.5
VARBL													
CALM												11.1	
	3.8	22.4	31.8	24.0	5.2	1.3	.3					100.0	8.7

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)

725068 STATION
OTIS AFB MA STATION NAME
68-70,73,76-81 YEARS
APR MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N		1.3	1.7	2.1	.2	.1	.1					5.6	10.9
NNE	.3	.3	2.2	4.0	1.3	.3	.1					8.7	13.2
NE	.2	1.1	2.4	3.0	.8	.2						7.8	11.7
ENE	.1	.7	.2	1.2	.1							2.3	9.8
E		.6	1.3	.3	.1							2.3	9.3
ESE	.2	.9	1.6	1.9	.1							4.7	9.8
SE	.1	.6	1.4	1.4	.1							3.7	10.9
SSE	.1	.7	1.4	.3	.3							2.9	9.8
S	.2	.4	1.2	1.7	.4							4.0	11.1
SSW	.1	.4	1.1	.8	.1							2.6	10.1
SW	.1	1.3	1.7	2.3	.8	.1	.2					6.6	12.0
WSW	.6	1.7	3.6	5.2	1.7	.9		.1				13.7	12.5
W	.3	1.9	2.9	3.6	1.0	.3	.1	.2				10.3	12.3
WNW	.2	.6	3.7	2.8	.6							7.8	11.0
NW	.1	1.0	3.7	4.2	.4							9.4	11.2
NNW	.2	.4	1.2	.9	.4	.2						3.4	11.4
VARBL													
CALM												4.3	
	3.0	13.9	31.3	35.8	8.6	2.2	.6	.3				100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible]068 STATION

OTIS AFB MA STATION NAME

68-70,73,76-81 YEARS

APR MONTH

ALL WEATHER CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.4	1.0	1.8	.6	.2						4.1	12.6
NNE	.2	.9	2.7	4.1	1.4	.9						10.2	13.1
NE	.1	1.3	2.6	3.1	.6							7.7	10.8
ENE		.7	1.0	1.0								2.7	9.5
E		.7	2.0	1.1								3.8	9.4
ESE		.6	1.0	.8	.2							2.6	9.9
SE		.3	1.2	1.1	.2							2.9	11.1
SSE	.2	1.1	2.0	1.0	.1							4.4	9.1
S		1.6	2.9	1.4	.8							6.7	10.0
SSW	.1	.2	1.7	2.3	.3							4.7	11.5
SW		.4	2.8	4.1	1.7	.2	.4					9.7	13.8
WSW		.9	3.4	5.6	3.6	1.0						14.4	14.3
W		1.0	2.1	4.1	1.8	.4	.2					9.7	13.7
WNW		.4	2.2	2.7	1.4	.2						7.0	13.4
NW		.7	1.2	2.4	.7							5.0	12.7
NNW		.3	.8	1.1	.2							2.4	12.0
VARBL													
CALM												2.1	
	.8	11.6	30.6	37.8	13.6	3.0	.7					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 900

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 725 68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,76-81
MONTH: APR
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	.1	1.0	1.6	1.9								4.6	9.8
NNE		.7	2.8	2.2	1.4	.2						7.3	12.4
NE		.9	2.0	3.4	.7	.1						7.1	12.0
ENE	.2	1.1	1.6	.7								3.6	8.3
E	.1	.8	1.3	1.4								3.7	9.3
ESE		.6	2.0	1.0	.2	.1						3.9	10.3
SE	.2	.8	2.6	.3	.1							4.0	8.5
SSE	.1	1.0	1.4	.8	.1	.1						3.6	9.5
S		2.3	2.0	2.6	.7							7.6	10.0
SSW	.2	.7	3.3	2.2	.4	.3						7.2	11.3
SW		.9	2.0	5.2	2.2	.6	.1					11.0	14.0
WSW		.9	4.7	6.9	3.7	.2						16.4	13.3
W	.2	.4	1.6	3.2	1.3	.7	.1					7.6	13.9
WNW		.1	1.6	1.6	.8	.1						4.1	13.6
NW	.1	.2	1.0	2.7	.9							4.9	13.4
NNW		.1	.4	.7	.4							1.7	14.1
VARBL													
CALM												1.9	
	1.3	12.5	31.8	36.8	13.0	2.4	.2					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS 899

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
[illegible]68	OTIS AFB MA	68-70,73,76-81	APR

CLASS: ALL WEATHER

HOURS (L S T): 1800-2000

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.8	1.6	1.8	.2								4.3	6.4
NNE	.2	2.3	1.0	1.0	.4	.1						5.1	8.8
NE	.1	.8	1.1	1.1	.6	.1						3.8	11.6
ENE	.4	.9	1.1	.6								3.0	7.4
E	.3	.9	1.4	1.1	.1							3.9	9.3
ESE	.3	.7	1.8	.8	.6							4.1	9.6
SE	.4	1.0	1.3	.3	.1							3.2	7.3
SSE	.4	1.0	.6	.3								2.3	6.3
S	.7	2.3	3.8	.6	.3		.2					7.9	8.5
SSW	.2	1.9	1.6	1.0	.3							5.0	8.4
SW	.4	3.7	4.4	4.8	.3	.2						13.9	9.8
WSW	.2	2.3	5.3	6.7	.7	.4	.1					15.8	11.1
W	.2	1.2	2.3	2.1	.3							6.2	9.9
WNW		.6	1.3	2.4	.6	.1						5.0	12.4
NW	.3	1.1	1.7	2.1								5.2	9.6
NNW	.1	.6	1.6	.7	.2							3.1	9.8
VARBL													
CALM												8.0	
	5.3	22.9	32.1	25.8	4.6	1.0	.3					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 899

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

RAL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

725 68	OTIS AFB MA	68-70,73,76-81	APR
STATION	STATION NAME	YEARS	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	.7	2.3	1.9	.3	.1							5.3	7.1
NNE	.2	1.1	1.1	1.0	.6	.2						4.2	10.7
NE	.2	1.7	.4	.1	.6							3.0	8.2
ENE	.1	.2	1.3	.2								1.9	8.5
E	.2	.9	.8	.9								2.8	8.6
ESE	.8	.7	.4	.8	.1							2.8	8.2
SE	.4	.9	.7	.6	.3							2.9	9.1
SSE		1.1	.8		.1							2.0	7.3
S	.6	1.3	2.1	.8	.1	.2	.1					5.2	9.1
SSW		1.9	.9	.6	.1							3.4	7.8
SW	.2	3.7	2.2	2.6	.9							9.6	9.4
WSW	.1	4.4	5.0	2.9	1.0	.2	.1					13.8	9.8
W	.3	4.2	2.9	1.8	.6							9.8	8.3
WNW	.1	1.0	2.1	1.4	.4							5.1	10.4
NW	.4	1.7	1.0	1.3	.1							4.6	8.2
NNW	.1	1.3	1.4	.6	.1							3.6	8.3
VARBL													
CALM												20.0	
	4.6	28.5	25.1	15.8	5.1	.7	.2					100.0	7.1

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)

STATION: 7[illegible] 68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,76-81
MONTH: APR
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	.3	1.9	1.9	1.2	.2	.0	.0					5.5	8.7
NNE	.2	1.2	1.7	2.4	.8	.3	.0					6.5	11.5
NE	.2	1.2	1.4	1.8	.6	.1						5.2	10.8
ENE	.2	.8	.9	.6	.0							2.5	8.4
E	.2	.8	1.2	.8	.0							3.0	8.7
ESE	.2	.7	1.0	.9	.2	.0						3.1	9.3
SE	.2	.7	1.3	.6	.1							2.9	9.1
SSE	.2	.9	1.0	.6	.1	.0						2.7	8.7
S	.2	1.3	1.9	1.2	.4	.1	.1					5.1	9.8
SSW	.2	1.1	1.5	1.1	.3	.1						4.2	9.8
SW	.2	2.1	2.3	2.9	.9	.3	.1					8.8	11.2
WSW	.3	2.5	3.9	4.4	1.6	.5	.1	.0				13.2	11.6
W	.3	2.3	3.0	2.7	.8	.2	.1	.0				9.4	10.4
WNW	.2	1.0	2.4	1.9	.5	.1						6.1	10.8
NW	.2	1.7	2.3	2.2	.3	.0						6.7	9.9
NNW	.2	1.2	1.5	.7	.2	.0						3.8	9.0
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	11.2	
	3.6	21.3	29.1	25.8	7.0	1.6	.4	.0				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 7197

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: [illegible]68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,76-81
MONTH: MAY
CLASS: ALL WEATHER
HOURS (L.S.T.): 0000-0200
CONDITION:

SPEED (KNTS) DIR.	1 - 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	3.5	1.4	1.3	.1							7.1	7.0
NNE	.4	1.2	1.4	1.0	.1							4.1	8.1
NE	.3	1.8	1.9	.6	.3							5.1	8.4
ENE	.1	.8	.2									1.1	5.8
E	.3	.6	.5	.1	.1							1.7	6.9
ESE	.4	.6	.2	.4	.1							1.8	7.2
SE		.6	1.6	.2		.1						2.6	9.0
SSE	.2	1.5	.9									2.6	6.0
S	.9	3.3	2.4	.5	.1							7.2	6.7
SSW	.5	1.8	2.3	1.3								5.9	8.2
SW	.3	2.5	2.2	1.3		.2						6.5	8.4
WSW	.6	3.5	4.9	2.9								12.0	8.5
W	.9	3.1	3.4	.6								8.1	7.0
WNW	.2	1.3	.4	.3								2.3	6.9
NW	.6	2.2	1.2	.5								4.5	6.5
NNW	.6	3.0	.8	.1								4.5	5.2
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	23.0	
	7.3	31.5	25.7	11.3	.9	.3						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 930

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

L BAL CLIMATOLOGY BRANCH
AFETAC
EATHER SERVICE/MAC

SURFACE WINDS

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

63 — STATION

OTIS AFB MA — STATION NAME

68-70,73,76-81 — YEARS

MAY — MONTH

ALL WEATHER — CLASS

0300-0500 — HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	4.3	1.7	1.4	.1							7.8	7.2
NNE	.1	.8	2.0	1.3								4.2	9.5
NE	.2	1.7	2.5	1.1	.4							5.9	9.1
ENE		.3	.5	.1								1.0	8.2
E	.2	.2	.5	.6	.1							1.7	9.5
ESE	.1	.8	1.1	.5								2.5	8.0
SE		.8	.4	.2								1.4	7.4
SSE	.3	.8	.1	.1								1.3	5.2
S	.5	1.8	2.5	.4								5.3	7.2
SSW	.3	1.4	1.6	1.0								4.3	8.5
SW	.8	2.8	2.5	.6		.2						6.9	7.3
WSW	.1	2.9	3.8	2.4	.4							9.6	9.2
W	1.2	3.1	2.4	1.2								7.8	7.1
WNW	1.1	1.3	1.1	.3								3.8	5.8
NW	.6	2.4	.8	.3								4.1	5.7
NNW	.3	2.6	.4	.1								3.4	5.1
VARBL													
CALM	╳	╳	╳	╳	╳	╳	╳	╳	╳	╳	╳	29.0	
	6.2	27.8	23.9	11.7	1.1	.2						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible]68	OTIS AFB MA	68-70,73,76-81	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

CONDITION

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.4	2.9	2.4	.3	.1						7.4	10.0
NNE	.1	1.5	2.3	1.9	.2							6.0	10.1
NE	.1	2.4	3.3	1.8	.5							8.2	9.7
ENE	.3	.5	.6	.6	.4							2.6	9.8
E	.2	.6	.9	.6								2.4	8.5
ESE		.9	1.0	.5	.4							2.8	10.2
SE	.6	.9	.9	.4								2.8	6.8
SSE	.2	1.4	.9	.2	.1							2.8	6.8
S	.5	2.0	2.3	.8	.2							5.8	7.8
SSW	.2	1.1	1.2	1.6								4.1	9.6
SW	.6	1.7	2.2	2.0	.5							7.1	9.6
WSW	.1	2.3	3.4	1.7	.6							8.2	9.6
W	.9	3.1	4.1	2.2	.1							10.3	8.1
WNW	.1	1.9	2.5	.6								5.2	7.7
NW	.5	1.2	2.5	1.4								5.6	8.4
NNW	.5	1.1	1.9	.6								4.2	7.7
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	14.6	
	5.5	24.0	32.7	19.6	3.5	.1						100.0	7.6

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)

725068 OTIS AFB MA 63-70,73,76-81 MAY
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	.5	1.1	2.0	1.3	.5							5.5	9.4
NNE	.2	.9	2.9	4.0	.5	.4						8.9	11.9
NE	.1	1.3	4.1	3.1	.5	.2						9.4	10.9
ENE		.6	1.1	1.1	.6							3.4	11.3
E	.4	.8	1.3	.2	.3							3.0	8.4
ESE		1.0	.4	.3	.5							2.3	10.1
SE	.1	1.2	1.5	.3								3.1	7.5
SSE	.2	.8	1.8	.5	.2							3.6	9.0
S		2.7	3.8	1.4	.2	.1						8.2	8.9
SSW	.1	1.2	1.7	2.3	.6	.1						6.0	11.2
SW	.4	1.4	2.5	1.9	1.1	.3						7.7	11.3
WSW	.4	2.0	5.1	3.4	1.3	.4						12.7	10.9
W	.2	2.6	5.5	2.5	.2							11.0	9.1
WNW	.1	.6	2.0	1.1								3.9	9.4
NW		.4	1.2	1.7								3.3	10.9
NNW	.1	.5	.9	.5								2.0	8.9
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	5.9	
	3.0	19.1	37.8	25.8	6.8	1.6						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 928

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

721069 STATION
OTIS AFB MA STATION NAME
68-70,73,76-81 YEARS
MAY MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.6	.8	2.0	.4							4.0	11.8
NNE	.1	.9	2.4	3.0	1.1	.1						7.5	11.9
NE	.1	1.1	2.4	3.7	.9	.1						8.2	11.7
ENE		1.3	2.4	1.7	.4							5.8	10.2
E	.3	1.2	1.4									2.9	6.7
ESE		.6	1.6	.5	.3							3.1	9.8
SE	.2	.9	1.5	.3	.2							3.1	8.6
SSE		1.1	2.6	1.2	.1							5.0	9.4
S	.2	2.9	3.9	1.8	.2							9.0	8.6
SSW	.1	.9	4.2	2.7	.4	.4	.2					8.8	11.7
SW		1.8	3.7	5.7	2.4	.5						14.1	12.8
WSW		.4	4.4	7.1	1.4	.3						13.7	12.7
W	.1	1.1	2.7	2.6	1.1							7.5	11.6
WNW		.4	.6	.5								1.6	9.2
NW		.4	.6	1.3								2.4	10.6
NNW		.3	.4	.4								1.2	9.6
VARBL													
CALM												2.0	
	1.3	15.8	35.5	34.7	8.9	1.5	.2					100.0	10.9

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)

STATION: [illegible]63
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,76-81
MONTH: MAY
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		.6	1.3	.9	.1							2.9	10.0
NNE	.2	1.0	2.4	3.2	.5	.1	.1					7.5	11.3
NE	.1	1.7	2.2	2.8	1.2	.3						8.3	11.8
ENE	.1	1.1	1.1	.5	.3							3.1	9.1
E	.1	1.1	.9	.2	.1							2.4	7.2
ESE		.8	1.6	.6								3.0	8.9
SE	.1	1.6	2.9	.6	.2							5.5	8.3
SSE	.1	1.5	3.3	.8								5.7	8.0
S	.1	2.9	4.6	2.4	.1							10.1	8.7
SSW	.3	2.4	3.7	3.2	.5	.2						10.3	10.1
SW	.2	.9	4.1	5.1	2.5	.4						13.1	13.1
WSW	.1	1.0	5.2	7.0	2.7	.6						16.6	13.0
W	.1	.2	1.7	3.7	1.1	.2						7.0	13.0
WNW		.1	.9	.4	.1							1.5	10.9
NW		.1	.2	.3								.6	11.0
NNW		.2	.2	.3								.8	9.1
VARBL													
CALM												1.6	
	1.6	17.1	36.1	32.0	9.5	1.9	.1					100.0	10.7

TOTAL NUMBER OF OBSERVATIONS 930

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

L BAL CLIMATOLOGY BRANCH
AFETAC
A EATHER SERVICE/MAC

SURFACE WINDS

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

68	OTIS AFB MA	68-70,73,76-81	MAY
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

CONDITION

1800-2000
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	.6	1.4	.2								2.4	7.8
NNE	.4	1.7	1.9	2.6	.4							7.2	9.7
NE	.5	1.3	2.0	1.3	.2							5.4	9.0
ENE		1.0	.8	.1	.1							1.9	7.4
E	.5	1.3	1.1									2.9	6.1
ESE		1.3	1.7	.2								3.8	7.1
SE	.4	1.6	2.0	.8								4.8	7.5
SSE	.3	4.2	1.8									6.4	6.0
S	1.0	4.6	3.1	1.0	.1							9.8	6.8
SSW	.3	3.3	2.7	2.0	.3							8.7	8.6
SW	.3	3.2	4.3	3.2	.9							12.0	9.9
WSW	.2	2.8	6.1	5.6	1.6							16.4	10.9
W		1.9	2.9	2.2	.2							7.2	9.6
WNW	.1	.4	.4	.4	.1							1.5	9.4
NW		.1	.5	.2								.9	10.3
NNW	.2	.3	.2									.8	5.4
VARBL													
CALM												8.0	
	4.5	30.5	33.2	19.8	4.0							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 928

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725069 OTIS AFB MA 68-70,73,76-81 MAY
STATION STATION NAME YEARS 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	.5	2.2	1.1	.1								3.9	5.9
NNE	.6	1.3	1.5	1.2	.2							4.9	8.8
NE	.1	1.1	1.4	.9	.3							3.8	9.5
ENE	.2	.9	.5	.1								1.7	6.6
E	.1	.9	.5	.2	.3							2.1	8.7
ESE	.2	.8	.6	.3								1.9	7.4
SE	.5	1.6	1.6									3.8	6.0
SSE	.4	1.9	1.4									3.8	6.1
S	.8	3.0	2.4	1.0								7.1	6.9
SSW	1.0	2.8	2.1	1.3	.2							7.3	7.5
SW	1.0	2.6	3.3	2.1	.6							9.6	8.7
WSW	1.0	3.3	6.0	3.5	.2							14.0	8.9
W	.6	3.2	4.0	1.3								9.2	7.6
WNW	.1	1.7	.4	.4								2.7	6.8
NW	.3	1.5	.5	.4								2.8	6.7
NNW	.6	1.1	.5	.2								2.5	5.5
VARBL													
CALM												18.9	
	8.2	29.9	28.1	13.0	1.9							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 926

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

068 STATION
OTIS AFB MA STATION NAME
68-70,73,76-81 YEARS
MAY MONTH
ALL WEATHER CLASS
ALL HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.8	1.6	1.2	.2	.0						5.1	8.5
NNE	.3	1.2	2.1	2.3	.4	.1	.0					6.3	10.5
NE	.2	1.5	2.5	1.9	.6	.1						6.8	10.3
ENE	.1	.8	.9	.5	.2							2.6	9.3
E	.3	.8	.9	.3	.1							2.4	7.7
ESE	.1	.9	1.0	.4	.2							2.7	8.6
SE	.3	1.1	1.6	.4	.1	.0						3.4	7.7
SSE	.2	1.6	1.6	.3	.1							3.9	7.3
S	.5	2.9	3.1	1.2	.1	.0						7.8	7.8
SSW	.4	1.3	2.4	1.9	.3	.1	.0					6.9	9.5
SW	.5	2.1	3.1	2.7	1.0	.2						9.6	10.6
WSW	.3	2.3	4.9	4.2	1.0	.2						12.9	10.7
W	.5	2.3	3.3	2.0	.3	.0						8.5	9.0
WNW	.2	1.0	1.0	.5	.0							2.8	7.9
NW	.3	1.0	.9	.8								3.0	8.1
NNW	.3	1.1	.7	.3								2.4	6.6
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	12.9	
	4.7	24.5	31.6	21.0	4.6	.7	.0					100.0	8.0

TOTAL NUMBER OF OBSERVATIONS 7431

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible]068 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — YEARS
JUN — MONTH
ALL WEATHER — CLASS
0000-0200 — HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.8	1.2	1.0		.1						4.7	8.1
NNE	.1	1.0	.9	.4	.1							2.6	8.6
NE	.1	.9	.6	.1								1.7	7.0
ENE	.2	.1	.8									1.1	7.2
E		.6	.6									1.1	6.7
ESE	.1	.4	.6									1.1	6.7
SE	.1	.4	.7	.6								1.8	8.6
SSE	.4	.7	.6	.1								1.8	6.0
S	.9	2.6	1.9	.7								6.0	6.5
SSW	.8	2.7	2.9	1.7	.1							8.2	8.0
SW	1.3	4.6	3.1	1.5								10.5	6.9
WSW	1.2	5.1	4.3	2.6	.1							13.3	7.7
W	.7	4.9	3.7	1.0	.1	.1						10.5	7.2
WNW	.2	1.0	1.5	.6								3.2	7.9
NW	.2	1.2	.8									2.2	5.7
NNW	.6	2.3	.6									3.5	5.2
VARBL													
CALM												26.6	
	7.6	30.4	24.5	10.2	.4	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 894

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: JUN
CLASS: ALL WEATHER
HOURS (L.S.T.): 0300-0500
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	2.1	1.6	.9		.1						5.4	7.5
NNE	.3	1.2	1.5	.4	.1							3.6	7.7
NE	.1	1.0	1.0	.4								2.6	7.3
ENE	.1	.1	.6	.2	.2							1.2	10.5
E	.2	.4	.4		.1							1.2	7.0
ESE		.6	.1	.3								1.0	8.1
SE	.2		.4	.3								1.0	9.0
SSE	.2	.7	.1	.1								1.1	5.4
S	.3	3.7	2.6	.1								6.7	6.3
SSW	.6	1.7	2.0	1.8								6.0	8.4
SW	.8	4.1	2.9	.7	.2							8.7	7.0
WSW	1.3	4.4	3.4	2.8								11.8	7.6
W	1.3	3.4	3.4	1.3								9.4	7.2
WNW	.1	1.3	1.7	.3								3.5	7.5
NW	.1	1.6	.9	.3								2.9	7.1
NNW	.4	2.7	.2	.1								3.5	5.1
VARBL													
CALM												30.4	
	6.9	28.9	22.7	10.3	.7	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 895

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

LOBAL CLIMATOLOGY BRANCH
AFETAC
EATHER SERVICE/MAC

SURFACE WINDS

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

68	OTIS AFB MA	68-70,73,75-80	JUN
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	3.0	2.3	.6	.6							6.9	8.0
NNE		2.4	2.1	.7	.6							5.8	8.8
NE	.2	1.6	2.0	.3	.2							4.3	8.0
ENE	.6	.4	1.1	.7								2.8	7.9
E	.2	.7	.8									1.7	6.5
ESE	.3	.7	.2									1.2	4.8
SE	.1	.3	.6	.3								1.3	8.2
SSE	.2	.6	.4	.3								1.6	7.3
S	.3	2.8	2.3	.6								6.0	7.1
SSW	.2	2.9	3.8	1.1								8.0	8.0
SW	.6	3.1	5.4	2.4	.3	.1						12.0	8.8
WSW	.6	3.6	4.9	2.4								11.4	8.5
W	.3	4.3	4.2	2.7	.1							11.7	8.4
WNW		1.9	1.3	.6								3.8	7.7
NW	.1	2.4	1.3	.6	.1							4.6	7.1
NNW	.3	2.6	1.6	.6	.1							5.1	7.2
VARBL													
CALM												11.9	
	4.6	33.2	34.4	13.8	2.0	.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 900

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

2

AL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 69
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: JUN
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	.7	1.7	.9	.6							4.1	10.1
NNE	.3	.9	2.8	2.2	1.1	.2						7.6	11.5
NE	.3	1.3	2.7	1.2	.3	.1						6.4	9.1
ENE	.1	.7	.9	.7								2.3	8.7
E	.4	.7	.6	.4								2.1	7.1
ESE	.1	.9	.2	.3								1.6	6.9
SE		1.2	1.4									2.7	6.5
SSE		.9	2.3	.2								3.4	8.0
S		1.7	3.9	1.2								6.8	8.8
SSW	.4	1.2	3.8	1.6	.3							7.3	8.8
SW	.3	2.6	4.7	5.7	.7							13.9	10.6
WSW	.2	2.2	7.0	5.0	.2							14.7	10.0
W	.6	2.4	2.9	3.2	.4							9.6	9.3
WNW		1.6	2.2	.7								4.4	8.0
NW	.3	1.0	1.7	.8	.3							4.1	9.2
NNW	.1	1.1	1.3	.2	.1							2.9	8.0
VARBL													
CALM												6.1	
	3.7	21.4	40.0	24.3	4.1	.3						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 725068 STATION NAME: OTIS AFB MA YEARS: 68-70,73,75-80 MONTH: JUN

CLASS: ALL WEATHER HOURS (L.S.T.): 1230-1400

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.9	1.6	1.7	.4	.1						4.9	10.9
NNE	.1	1.2	2.4	2.8	.6	.1						7.2	11.3
NE	.2	1.0	1.9	1.4	.2		.1					4.9	10.4
ENE	.1	1.3	1.6	.8	.2							4.0	8.8
E	.1	.6	.9	.2								1.8	7.4
ESE		1.1	.8	.1								2.0	6.6
SE		1.2	2.6	.3								4.1	8.0
SSE	.2	1.8	2.6	.7								5.2	7.9
S	.2	1.9	4.4	1.8	.2							8.6	9.0
SSW		1.4	4.8	3.7	.2							10.1	10.4
SW	.2	.8	5.3	9.0	1.0	.1						16.5	11.8
WSW		1.3	6.0	7.3	1.6	.1						16.4	11.8
W	.1	1.2	2.6	3.2	.4							7.6	10.8
WNW		.4	.9	.4	.1							1.9	9.9
NW	.1	.2	.8	.2								1.3	8.3
NNW	.2	.3	.2	.3	.1							1.2	9.1
VARBL													
CALM												2.3	
	1.9	16.8	39.3	34.0	5.1	.4	.1					100.0	10.1

TOTAL NUMBER OF OBSERVATIONS 899

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: [illegible] 68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: JUN
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	.3	.9	1.0	.9		.1						3.2	8.9
NNE	.6	.6	2.7	1.7	.3	.3						6.1	10.8
NE		1.6	2.2	1.6	.1	.1						5.6	9.3
ENE		.9	1.4	.8	.2							3.3	9.7
E	.4	.7	.2									1.3	4.9
ESE	.7	1.6	.8	.2								3.2	6.1
SE		1.9	2.1	.2	.1							4.3	7.4
SSE	.2	2.0	3.0	.6								5.8	7.6
S		3.6	4.4	.7	.1							8.8	7.7
SSW	.1	1.6	4.9	5.7	.7							12.9	11.1
SW		1.6	6.2	8.5	.7	.2						17.1	11.6
WSW		.9	3.9	9.7	1.8							16.2	12.7
W	.1	.9	2.3	3.0	.9							7.2	11.4
WNW		.1	.6	.6	.3							1.6	12.6
NW	.1	.1	.2	.7	.1							1.2	11.4
NNW		.1	.3									.4	8.5
VARBL													
CALM												1.6	
	2.6	18.8	36.4	34.6	5.3	.8						100.0	10.2

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)

STATION: 725 68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: JUN
CLASS: ALL WEATHER
HOURS (L.S.T.): 1800-2000
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.2	.9	.6	.2								1.9	6.6
NNE		1.7	1.3	1.2	.6							4.8	10.0
NE	.2	1.9	1.2	.2	.1							3.7	7.1
ENE	.1	.9	1.0	.8								2.8	8.5
E	.7	1.0	.2									1.9	4.4
ESE	.4	.6	.2									1.2	4.8
SE	.8	2.2	1.4									4.4	5.7
SSE	.9	2.4	1.7									5.0	5.7
S	1.4	5.2	2.6	.8								10.0	6.1
SSW	.8	2.8	5.5	2.6	.1							11.7	8.6
SW	.1	2.2	7.3	4.7	.2							14.6	10.0
WSW	.4	3.0	7.8	5.3	.3							16.9	9.8
W	.1	2.3	3.4	1.3	.2							7.5	8.7
WNW		.6	.3		.1	.1						1.1	9.1
NW		.3	.2	.8								1.3	10.5
NNW	.1	.3	.4									.9	6.6
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	10.3	
	6.3	28.4	35.3	17.9	1.7	.1						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 899

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
725[illegible]65	OTIS AFB MA	68-70,73,75-80	JUN

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

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.6	1.4	.8								4.2	7.6
NNE	.2	.8	1.0	.3								2.3	7.7
NE	.1	.6	.4	.7								1.8	8.8
ENE	.2	.8	.3	.4								1.8	7.3
E	.4	1.0	.1									1.6	4.6
ESE	.1	.4	.7	.2	.1							1.6	8.0
SE	.6	.8	.4	.1								1.9	5.5
SSE	1.1	1.4	.9	.2								3.7	5.6
S	1.2	3.0	2.3	.3								6.9	6.2
SSW	1.2	4.5	4.0	1.4	.2							11.4	7.1
SW	.6	4.5	5.3	1.8	.1							12.2	7.6
WSW	.6	5.0	4.1	3.3	.4							13.5	8.6
W	.3	3.6	3.1	.9	.2							8.1	7.5
WNW		.3	1.1	.2		.1						1.8	9.5
NW	.1	1.0	.6	.2	.3							2.2	8.5
NNW	.2	.7	.7	.1								1.7	6.5
VARBL													
CALM												23.4	
	7.5	29.8	26.6	11.1	1.4	.1						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 898

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 725 68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: JUN
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	.4	1.5	1.4	.9	.2	.1						4.4	8.5
NNE	.2	1.2	1.8	1.2	.4	.1						5.0	10.0
NE	.2	1.3	1.5	.8	.1	.0	.0					3.9	8.7
ENE	.2	.7	1.0	.5	.1							2.4	8.6
E	.3	.7	.5	.1	.0							1.6	6.1
ESE	.2	.8	.4	.2	.0							1.6	6.5
SE	.2	1.0	1.2	.2	.0							2.7	7.1
SSE	.4	1.3	1.4	.3								3.5	6.9
S	.6	3.0	3.1	.8	.0							7.5	7.2
SSW	.5	2.3	4.0	2.4	.2							9.5	8.9
SW	.5	2.9	5.1	4.3	.4	.1						13.2	9.6
WSW	.5	3.2	5.2	4.8	.6	.0						14.3	9.8
W	.4	2.9	3.2	2.1	.3	.0						8.9	8.7
WNW	.0	.9	1.2	.4	.1	.0						2.7	8.5
NW	.1	1.0	.8	.4	.1							2.5	8.1
NNW	.3	1.3	.7	.2	.0							2.4	6.7
VARBL													
CALM												14.1	
	5.1	26.0	32.4	19.5	2.6	.3	.0					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 7184

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible]068 STATION — OTIS AFB MA STATION NAME — 68-70,73,75-80 YEARS — JUL MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	2.3	1.0	.2								3.9	5.9
NNE	.2	.9			.2							1.3	7.0
NE	.1	.5	.5		.1							1.3	7.6
ENE		.3	.1	.3								.8	8.7
E	.1	.5	.3									1.0	5.7
ESE	.2	.1	.1									.4	4.5
SE	.1	.3	.3									.8	6.9
SSE	.2	.8	.5									1.5	5.9
S	1.2	2.6	1.4	.8	.1							6.0	6.5
SSW	.6	2.5	3.0	.9								7.0	7.3
SW	1.2	5.7	4.5	2.4								13.8	7.3
WSW	1.1	5.8	8.0	3.0								17.9	8.1
W	1.0	3.6	3.1	.5								8.2	6.5
WNW	.4	1.4	.4	.1								2.4	5.5
NW	.9	1.2	.5									2.6	4.8
NNW	.4	1.8	1.0	.1								3.3	6.2
VARBL													
CALM												27.8	
	8.2	30.3	24.9	8.3	.4							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 927

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 7 1068
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: JUL
CLASS: ALL WEATHER
HOURS (L.S.T.): 0300-0500
CONDITION:

SPEED (KNTS) DIR.	1 - 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	2.7	1.0	.5								4.5	6.5
NNE		1.2	.5	.1								1.8	6.6
NE	.1	1.0	.4	.1	.1							1.7	7.4
ENE	.3	.3	.3									1.0	5.1
E		.5	.4									1.0	6.3
ESE	.1	.1		.1								.3	7.3
SE	.1	.3										.4	4.0
SSE	.3	.9	.4	.1								1.7	6.1
S	.5	3.0	2.3	.5								6.4	6.7
SSW	.5	2.5	3.2	.3	.1							6.7	7.1
SW	1.0	3.1	4.0	1.3								9.4	7.4
WSW	.5	6.4	5.9	2.1								14.9	7.7
W	.8	4.8	2.5	.8								8.8	6.4
WNW	.8	1.7	.8									3.2	5.3
NW	.6	2.1	1.7									4.4	6.0
NNW	.3	2.8	.9	.1								4.1	5.5
VARBL													
CALM												29.5	
	6.4	33.4	24.4	6.1	.2							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 925

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725068 OTIS AFB MA 68-70,73,75-80 JUL
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.9	2.7	3.1	1.4	.1							8.2	7.8
NNE	.5	1.7	.9	1.0	.1							4.2	7.5
NE	.1	1.1	1.0	.6	.2							3.0	8.8
ENE	.5	.6	.3	.1	.1							1.7	6.4
E	.4	.5	.1	.1	.1							1.3	6.4
ESE	.2	.4	.3									1.0	5.6
SE	.1	1.4	.6									2.2	5.7
SSE	.2	1.4	.3									1.9	5.6
S	.8	3.1	3.2	.3								7.4	6.8
SSW	.4	2.0	3.7	1.2								7.3	8.1
SW	.3	3.8	3.8	1.9								9.8	8.1
WSW	.4	4.7	4.6	4.0	.2							14.0	8.7
W	.5	4.6	3.7	1.4								10.2	7.3
WNW	.5	1.2	1.2	.1								3.0	6.6
NW	.5	2.8	2.0	.4								5.8	6.8
NNW	.1	2.4	1.7	.4								4.6	6.9
VARBL													
CALM												14.3	
	6.7	34.6	30.6	13.0	.9							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 929

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION	STATION NAME	YEARS	MONTH
725068	OTIS AFB MA	68-70,73,75-80	JUL

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	.4	1.2	2.4	2.2	.4							6.6	9.7
NNE	.3	1.6	2.2	1.8	.3							6.2	9.5
NE	.2	1.0	1.3	.5	.1							3.1	8.5
ENE	.4	1.2	.5	.1	.3							2.6	7.6
E	.3	1.0	.4		.3							2.0	7.7
ESE		.8	.3									1.1	6.1
SE	.2	1.0	1.5	.3								3.0	7.4
SSE		1.4	1.7	.4								3.5	8.1
S		2.0	4.4	1.2	.1							7.7	8.5
SSW	.2	1.7	2.8	1.8								6.6	8.8
SW	.1	2.4	4.4	3.9	.3							11.1	9.8
WSW		2.7	7.2	6.9	1.0							17.7	10.6
W	.4	4.3	3.3	1.8								9.9	7.8
WNW	.1	2.3	2.0	.2	.1							4.7	7.3
NW		1.6	1.6	.2								3.4	7.5
NNW	.4	1.1	2.2	.4	.2							4.3	8.1
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	6.3	
	3.2	27.1	38.3	21.8	3.2							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 930

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

LOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

68	OTIS AFB MA	68-70,73,75-80	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHEP
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	.8	1.7	1.3	.2							4.1	9.8
NNE	.2	.2	3.1	.9	.3							4.7	9.8
NE		.9	2.8	1.4	.2							5.3	9.8
ENE		1.2	.9	.2	.1							2.4	8.0
E	.1	.6	.6	.1	.1							1.6	7.1
ESE		.8	.2									1.0	5.6
SE	.4	.5	1.2	.4								2.6	7.5
SSE		1.2	2.0	.5								3.8	8.1
S	.2	1.9	5.1	1.1	.1							8.4	8.4
SSW		1.6	5.4	3.7	.4							11.1	10.3
SW		1.5	5.1	6.9	1.0							14.4	11.2
WSW	.2	1.5	10.0	7.7	1.5							21.0	11.1
W		2.6	3.5	2.6	.5							9.2	9.8
WNW	.2	.9	.9									1.9	6.6
NW	.1	.4	.8	.9								2.2	10.0
NNW		.2	.5	.1								.9	8.0
VARBL													
CALM												5.6	
	1.6	16.8	43.8	27.7	4.5							100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible]5068 STATION — OTIS AFB MA STATION NAME — 68-70,73,75-80 YEARS — JUL MONTH

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.5	1.6	.8	.2							3.1	9.9
NNE		.8	1.9	.4								3.1	8.7
NE	.2	.6	2.0	1.2	.2							4.3	9.6
ENE	.2	1.1	.8	.2	.2							2.5	8.1
E	.3	1.0	.2	.1								1.6	5.6
ESE	.6	1.0	.6									2.3	5.3
SE	.2	1.5	1.4									3.1	6.2
SSE	.4	1.8	1.6	.1								4.0	6.4
S	.3	2.8	5.5	1.4								10.0	8.0
SSW	.1	2.0	6.0	3.3	.3							11.8	9.8
SW		1.1	8.1	6.9	.6							16.7	11.1
WSW	.1	1.9	8.8	13.0	1.8							25.7	11.8
W		.8	2.3	2.4	.2							5.6	10.9
WNW		.1	.2	.4								.8	10.6
NW		.1	.8	.6	.1							1.6	11.1
NNW		.1	.5									.6	7.3
VARBL													
CALM												3.1	
	2.6	17.2	42.4	30.9	3.8							100.0	9.6

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)

[illegible]5063	OTIS AFB MA	68-70,73,75-80	JUL
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.3	1.3	.8	.2								2.6	6.3
NNE	.1	.4	.3	.3								1.2	7.8
NE	.3	.9	1.3									2.5	6.1
ENE	.1	1.1	.5	.2	.1							2.1	7.7
E	.6	.9	.2									1.7	4.3
ESE	.4	1.0	.2									1.6	4.9
SE	.2	1.8	.1									2.2	4.9
SSE	.8	2.8	.6	.1								4.3	5.1
S	1.3	4.3	4.0	.8								10.4	6.7
SSW	.2	4.1	3.1	1.5								9.0	7.7
SW	.6	4.6	8.9	5.3	.2							19.7	9.0
WSW	.5	4.5	10.6	7.0	.4							23.1	9.6
W	.2	1.9	3.1	1.4								6.7	8.6
WNW		.4	.5	.2								1.2	8.2
NW	.1	.2	.2	.3								.9	8.6
NNW		.3	.5									.9	7.5
VARBL													
CALM												10.1	
	5.9	30.7	35.1	17.4	.8							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 925

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

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: [illegible]68
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: JUL
CLASS: ALL WEATHER
HOURS (L.S.T.): 2100-2300
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.6	.8	.1								2.9	5.7
NNE	.2	.4	.5		.1							1.3	7.1
NE	.1	.5	.3	.1								1.1	6.7
ENE	.1	.4	.1	.1	.1							.9	8.1
E	.3	.5	.1									1.0	4.4
ESE	.2	.4	.3									1.0	5.8
SE	.2	1.0	.1									1.3	4.9
SSE	.4	1.3	.1									2.4	4.4
S	1.4	4.5	2.1	.5								8.5	5.8
SSW	.5	3.1	3.8	1.4								8.9	7.5
SW	1.1	6.0	4.6	2.2	.5							14.5	7.7
WSW	1.0	6.3	9.3	4.0								20.5	8.3
W	.5	3.1	3.0	1.2	.1							8.0	7.8
WNW		.6	.2									.9	5.8
NW	.2	.9	.9									1.9	5.8
NNW	.4	1.1	.3	.2								2.1	5.9
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	23.0	
	7.2	32.5	26.6	9.8	.9							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 926

L PAL CLIMATOLOGY BRANCH
AFETAC
WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 068	STATION NAME: OTIS AFB MA	YEARS: 68-70,73,75-80	MONTH: JUL
	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	.4	1.6	1.5	.8	.1							4.5	7.9
NNE	.2	.9	1.2	.6	.1							3.0	8.5
NE	.1	.9	1.2	.5	.1							2.8	8.6
ENE	.2	.8	.4	.2	.1							1.7	7.5
E	.3	.7	.3	.0	.1							1.4	6.1
ESE	.2	.6	.3	.0								1.1	5.5
SE	.2	1.0	.7	.1								1.9	6.3
SSE	.3	1.5	.9	.2								2.9	6.4
S	.7	3.1	3.5	.8	.0							8.1	7.2
SSW	.3	2.5	3.9	1.8	.1							8.5	8.5
SW	.5	3.5	5.4	3.8	.3							13.7	9.1
WSW	.5	4.2	8.1	6.0	.6							19.4	9.7
W	.4	3.2	3.1	1.5	.1							8.3	8.0
WNW	.3	1.1	.8	.1	.0							2.3	6.6
NW	.3	1.2	1.1	.3	.0							2.9	7.1
NNW	.2	1.2	1.0	.2	.0							2.6	6.7
VARBL													
CALM												15.0	
	5.2	27.8	33.3	16.9	1.8							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 7421

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

0068 — STATION
OTIS AFB MA — STATION NAME
68-70,73,75-80 — 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	1.0	1.9	1.5	.2								4.5	5.9
NNE		.5	.8	.2								1.5	7.9
NE	.2	1.1	.4	.8								2.5	8.6
ENE	.1	.2	.3	.3								1.0	8.3
E	.2	.2	.7									1.1	6.5
ESE	.2	.3	.2									.8	5.3
SE	.1		.1									.2	6.5
SSE	.5	.2	.3		.3							1.4	7.8
S	.3	2.4	.9	.1								3.7	5.4
SSW	.4	2.3	1.8	1.2	.3							6.0	8.0
SW	1.4	3.5	2.0	.7	.1							7.7	6.2
WSW	1.1	5.6	6.1	2.5	.1	.1						15.6	7.8
W	.8	4.2	3.3	.8								9.0	6.7
WNW	.2	1.1	.3	.1								1.8	5.4
NW	1.0	1.1	1.4	.1								3.6	5.9
NNW	.5	2.5	1.1	.2	.1	.1						4.6	6.3
VARBL													
CALM												35.0	
	8.2	27.1	21.3	7.2	1.0	.2						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 912

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

RAL CLIMATOLOGY BRANCH
FETAC
AI WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: [illegible]
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: AUG

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

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.4	2.4	2.0	.2								6.0	5.7
NNE	.2	.5	.8	.5	.2							2.3	9.5
NE		.7	.8	.9								2.3	9.7
ENE	.1	.3	.3	.3								1.1	8.9
E	.4	.3	.2									1.0	4.2
ESE													
SE	.1											.1	2.0
SSE	.1	.5	.4									1.1	6.3
S	1.1	2.5	1.0	.1	.1	.1						4.9	6.1
SSW	.4	1.5	1.5	.8	.4							4.7	8.7
SW	1.1	3.5	2.6	.9								8.1	6.7
WSW	.4	4.7	3.9	2.3	.2							11.6	8.0
W	1.0	3.3	1.9	1.2								7.3	6.8
WNW	.8	.9	.3	.1	.1							2.2	5.4
NW	1.1	2.1	1.9	.2								5.2	5.8
NNW	1.3	3.8	.5	.2	.1							6.0	5.1
VARBL													
CALM												36.2	
	9.6	27.0	18.1	7.7	1.2	.1						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 917

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725068 OTIS AFB MA 68-70,73,75-80 AUG
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	1.1	3.8	3.6	1.1								9.5	7.1
NNE	.8	2.0	1.6	1.1	.1							5.5	7.8
NE	.2	1.1	1.5	.5								3.4	8.0
ENE	.1	.9	1.2	.2	.2							2.6	8.8
E	.3	.5	.5	.3								1.7	6.8
ESE	.2	.3										.5	4.0
SE		.2	.2	.1								.5	7.0
SSE	.2	.9	.3									1.4	5.5
S	.3	1.1	2.1	.2								3.7	7.0
SSW	.7	1.9	2.1	.3	.1	.1						5.1	7.3
SW	.5	2.1	3.4	2.1	.2		.1					8.3	9.0
WSW	.7	3.7	4.4	3.0	.2							12.0	8.5
W	1.2	4.0	4.0	.9	.2							10.3	7.0
WNW	.7	2.3	1.0	.9								4.8	6.9
NW	.7	1.5	2.4	.5								5.1	7.2
NNW	1.2	2.6	1.3	.5								5.6	6.0
VARBL													
CALM												19.8	
	9.8	28.7	29.6	11.8	1.1	.1	.1					100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 923

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725068 OTIS AFB MA 68-70,73,75-80 AUG
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	.7	2.5	2.5	2.3								7.9	8.2
NNE	.4	2.4	3.7	2.1								8.6	8.8
NE	.5	1.8	3.3	1.4	.4							7.5	8.9
ENE	.5	1.3	1.4	.7	.3	.1						4.3	8.7
E	.2	.9	.1	.1								1.3	5.4
ESE	.1	.2	.2									.5	5.0
SE	.1	.8	.5	.1								1.5	6.6
SSE		.9	.3									1.2	5.9
S	.2	1.7	2.0	2.1	.1							6.1	9.3
SSW	.1	2.0	1.8	.4	.1							4.4	7.6
SW	.4	1.2	5.1	3.1	.7							10.5	10.2
WSW	.7	2.5	4.9	4.9	1.4							14.3	10.6
W	.8	1.8	5.4	2.1	.1							10.2	8.7
WNW	.1	1.5	2.2	1.2	.1							5.1	9.1
NW	.4	1.0	1.5	.8	.1							3.8	8.1
NNW		1.1	.9	.8	.2							2.9	9.4
VARBL													
CALM												9.9	
	5.3	23.5	35.8	21.9	3.6	.1						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 923

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725068 OTIS AFB MA 68-70,73,75-80 AUG
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	1.5	2.3	.5								4.4	7.7
NNE	.2	2.7	3.6	2.3	.2	.1						9.1	9.1
NE	.9	2.7	1.7	1.9	.3	.1						7.7	8.5
ENE	.5	1.9	1.0	.6	.8							4.9	8.7
E	.5	1.7	.4	.1	.1							2.9	5.7
ESE	.2	1.0	.5									1.7	6.0
SE	.2	.4	.6									1.3	6.1
SSE		1.1	1.0	.4								2.5	7.8
S		1.7	3.3	1.3	.5							6.9	9.4
SSW		1.0	2.9	1.2	.1							5.2	9.3
SW	.1	1.5	4.6	5.2	1.2	.1						12.7	11.4
WSW		1.6	7.1	8.3	2.6							19.7	11.8
W		1.8	4.2	2.4	.6							9.1	10.0
WNW	.3	.6	1.0	.8								2.7	8.8
NW		.8	1.3	.1	.2							2.4	8.6
NNW	.1	.3	.3	.4								1.2	9.5
VARBL													
CALM												5.7	
	3.2	22.5	36.0	25.6	6.7	.3						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 926

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

725068	OTIS AFB MA	68-70,73,75-80	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	.3	1.2	.2	.2							2.0	9.3
NNE	.1	2.5	2.9	.9	.1	.1						6.6	8.1
NE	.2	3.6	2.7	1.2	.3							8.0	7.9
ENE	.1	1.8	1.0	1.0	.1							4.0	8.6
E	.3	1.1	.4									1.8	5.4
ESE	.1	.9	.2									1.2	5.5
SE	.4	2.0	.3									2.8	4.8
SSE	.6	1.9	1.0	.5								4.1	6.6
S	.5	3.1	4.0	1.2								8.8	7.6
SSW		1.5	2.6	.8	.2							5.1	8.7
SW	.1	2.4	5.7	6.2	1.2	.1						15.7	11.1
WSW	.3	2.3	7.8	11.2	1.8	.1						23.5	11.5
W	.1	1.2	3.3	2.0	.6							7.3	10.4
WNW		.3	.6	.5	.1							1.6	10.7
NW	.2	.2	.3	.4								1.2	8.3
NNW			.8	.4	.1							1.3	11.3
VARBL													
CALM												5.0	
	3.3	25.1	34.8	26.6	4.8	.3						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 928

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

[illegible]068	OTIS AFB MA	68-70,73,75-80	AUG
STATION	STATION NAME	YEARS	MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.4	1.1	1.0	.2	.1	.2						3.0	7.8
NNE	.5	1.4	1.5	.3	.1							3.9	7.3
NE	.4	2.2	.8	.1								3.4	5.3
ENE	.2	1.7	1.0	.5	.1							3.6	7.7
E	.4	.2	.2	.1								1.0	5.4
ESE	.2	.4										.6	3.7
SE	.5	.5	.2	.1								1.4	5.0
SSE	1.2	1.4	.5									3.1	4.5
S	1.1	3.6	2.5	.2								7.5	6.0
SSW	.9	2.9	2.6	1.2	.1							7.7	7.5
SW	1.2	5.9	6.1	3.4								16.7	7.7
WSW	.6	4.3	6.7	4.3	1.0							16.9	9.2
W	.4	3.4	3.2	1.4	.4							8.9	8.4
WNW	.2	1.0	1.1	.1								2.4	6.8
NW	.1	.5	.3									1.0	6.6
NNW	.2	.3	.2	.2								1.0	6.7
VARBL													
CALM	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	17.9	
	8.7	31.1	27.9	12.3	1.8	.2						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 928

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION: 7[illegible]068
STATION NAME: OTIS AFB MA
YEARS: 68-70,73,75-80
MONTH: AUG
CLASS: ALL WEATHER
HOURS (L.S.T.): 2100-2300
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.1	1.1			.1						3.5	6.4
NNE	.1	.9	.4	.2								1.6	6.5
NE	.1	.9	.2	.3								1.5	7.5
ENE		.8	.5	.4	.1							1.8	8.5
E	.5	1.0	.2		.1							1.8	5.3
ESE		.2	.1									.3	6.3
SE		.2	.2									.4	6.5
SSE	.2	.1	.4	.2	.1							1.1	9.0
S	.5	1.9	.8	.4								3.7	6.1
SSW	.4	2.4	1.6	1.3								5.7	7.7
SW	1.5	3.7	4.8	1.2	.1							11.2	7.1
WSW	.8	5.8	6.3	2.6	.4							15.9	8.1
W	1.0	4.4	2.7	1.4	.1							9.6	7.2
WNW	.3	1.3	.4	.2								2.3	6.1
NW	.8	1.2	.5	.2								2.7	5.3
NNW	.8	1.9	.4			.2						3.3	6.0
VARBL													
CALM												33.5	
	7.2	28.7	20.7	8.5	1.0	.3						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 926

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
068	OTIS AFB MA	68-70,73,76-81	FEB

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	97.6	91.3	78.7	63.8	44.3	24.4	8.1	66.3	849
	03-05	100.0	100.0	99.2	94.1	83.1	62.2	44.3	26.2	7.0	67.2	845
	06-08	100.0	100.0	98.9	93.7	83.2	63.2	43.6	24.6	5.3	66.9	845
	09-11	100.0	99.9	95.2	87.1	67.3	47.3	30.0	17.8	4.3	60.4	847
	12-14	100.0	99.9	92.0	77.5	55.6	37.5	25.2	14.4	4.4	56.1	845
	15-17	100.0	99.3	92.3	77.1	57.5	39.7	28.0	17.5	6.6	57.1	847
	18-20	100.0	99.9	96.0	87.2	70.7	52.7	37.2	22.0	7.8	62.8	842
	21-23	100.0	100.0	97.4	90.0	75.9	60.0	43.4	24.3	7.0	65.4	846
TOTALS		100.0	99.9	96.1	87.3	71.5	53.3	37.0	21.4	6.3	62.8	6765

USAFETAC FORM JUL 64 0-87-5 (OL A)

L NAL CLIMATOLOGY BRANCH
FETAC
WEATHER SERVICE/MAC

RELATIVE HUMIDITY

5068 OTIS AFB MA — 68-70,73,76-81 — MAR
STATION — STATION NAME — PERIOD — MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	99.3	95.0	87.7	75.8	58.1	38.8	11.6	72.0	905
	03-05	100.0	100.0	99.7	96.6	89.5	76.4	57.3	40.5	12.8	72.8	906
	06-08	100.0	100.0	99.0	96.8	87.1	71.5	54.1	34.9	12.4	71.0	906
	09-11	100.0	99.9	96.7	83.1	65.1	45.0	30.7	21.2	8.1	60.6	901
	12-14	100.0	99.3	93.1	75.4	53.4	36.3	25.1	17.1	5.4	56.1	901
	15-17	100.0	99.7	94.6	80.5	60.2	41.8	28.1	17.5	6.1	58.3	906
	18-20	100.0	100.0	98.1	89.5	79.3	62.5	43.7	27.2	9.2	66.4	904
	21-23	100.0	100.0	99.4	93.7	85.3	73.6	55.8	34.4	9.9	70.7	905
TOTALS		100.0	99.9	97.5	88.8	76.0	60.4	44.1	29.0	9.4	66.0	7234

USAFETAC FORM JUL 64 0-87-5 (OL A)

2

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
6	OTIS AFB MA	68-70,73,76-81	APR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	99.9	97.3	92.3	80.4	62.8	42.1	13.7	74.6	900
	03-05	100.0	100.0	100.0	99.2	93.0	82.8	63.6	47.6	16.8	76.0	899
	06-08	100.0	100.0	99.7	95.3	83.4	68.2	49.9	33.0	13.3	70.0	900
	09-11	100.0	99.8	93.1	74.7	56.0	37.5	24.9	17.0	6.9	56.7	899
	12-14	100.0	98.8	86.4	65.9	48.4	32.5	21.9	12.6	5.1	52.9	898
	15-17	100.0	98.6	91.4	74.1	51.3	38.5	25.7	14.8	5.9	55.5	898
	18-20	100.0	99.9	97.0	92.2	79.6	61.7	42.5	24.8	9.0	66.2	899
	21-23	100.0	100.0	99.1	96.2	90.4	80.7	62.6	37.3	11.5	73.5	898
TOTALS		100.0	99.6	95.8	86.9	74.3	60.3	44.2	28.7	10.3	65.7	7191

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

6F	OTIS AFB MA	68-70,73,76-81	MAY
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	99.9	99.4	97.7	92.2	81.8	55.8	20.9	80.6	930
	03-05	100.0	100.0	100.0	99.6	98.0	93.7	81.9	59.2	22.8	81.2	930
	06-08	100.0	100.0	99.7	96.6	89.5	77.6	61.4	39.7	17.3	73.9	930
	09-11	100.0	99.5	96.9	83.6	66.4	49.7	37.9	22.6	8.9	62.2	929
	12-14	100.0	99.1	94.1	76.6	59.8	42.8	29.4	17.6	5.2	56.3	928
	15-17	100.0	99.5	95.7	83.5	66.3	48.2	30.9	16.3	5.6	60.6	930
	18-20	100.0	100.0	99.5	96.9	90.1	75.8	55.6	31.2	9.2	71.7	925
	21-23	100.0	100.0	99.8	99.4	97.0	90.5	77.8	49.9	15.9	79.0	926
TOTALS		100.0	99.8	98.2	92.0	83.1	71.3	57.1	36.8	13.2	70.9	7428

USAFETAC FORM JUL 64 0-87-5 (OL A)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]068	OTIS AFB MA	68-70,73,75-80	JUN

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
JUN	00-02	100.0	100.0	100.0	100.0	99.6	98.3	91.9	73.3	37.4	86.[illegible]	894
	03-05	100.0	100.0	100.0	100.0	99.7	98.8	94.4	76.7	38.8	86.9	896
	06-08	100.0	100.0	100.0	99.7	97.1	89.3	76.2	54.1	21.8	79.9	898
	09-11	100.0	100.0	99.8	96.2	81.4	67.3	45.7	25.6	10.4	68.4	900
	12-14	100.0	100.0	99.6	94.0	76.5	57.4	35.5	20.8	6.7	64.5	899
	15-17	100.0	100.0	99.6	96.7	80.6	64.2	43.2	24.1	10.0	67.4	899
	18-20	100.0	100.0	99.8	99.1	95.5	86.3	67.5	42.3	16.9	76.5	898
	21-23	100.0	100.0	100.0	99.9	99.0	97.9	89.1	64.0	29.6	84.1	898
TOTALS		100.0	100.0	99.9	98.2	91.2	82.4	67.9	47.6	21.5	76.7	7182

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
[illegible]	OTIS AFB MA	68-70,73,75-80	JUL

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%		
JUL	00-02	100.0	100.0	100.0	100.0	99.4	96.7	90.4	69.9	33.3	85.1	929
	03-05	100.0	100.0	100.0	100.0	99.8	97.4	92.1	72.3	32.9	85.6	928
	06-08	100.0	100.0	100.0	99.9	98.3	90.9	76.5	53.5	20.1	79.7	930
	09-11	100.0	100.0	99.5	97.1	84.6	65.9	44.7	24.8	4.6	67.6	929
	12-14	100.0	99.9	98.9	92.8	79.4	55.2	33.7	15.5	2.7	63.3	930
	15-17	100.0	100.0	99.6	95.6	82.2	59.9	39.8	19.1	3.6	65.3	928
	18-20	100.0	100.0	99.9	98.8	94.4	84.9	65.2	40.2	13.7	75.6	926
	21-23	100.0	100.0	100.0	99.8	99.0	96.0	85.5	64.9	24.7	82.9	926
TOTALS		100.0	100.0	99.7	98.0	92.1	80.9	66.0	45.0	17.0	75.6	7426

USAFETAC FORM JUL 64 0-87-5 (OL A)

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

[illegible]65	UTIS AFB MA	68-70,73,75-80	AUG
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	99.9	98.8	92.7	72.9	29.4	85.2	889
	03-05	100.0	100.0	100.0	100.0	99.9	99.0	95.1	75.5	30.4	86.1	894
	06-08	100.0	100.0	100.0	100.0	98.6	94.3	80.7	58.8	19.8	81.1	900
	09-11	100.0	100.0	99.8	98.2	88.7	65.9	44.2	22.9	6.1	68.3	899
	12-14	100.0	100.0	100.0	96.0	77.7	55.2	32.4	13.4	4.2	63.5	902
	15-17	100.0	100.0	99.9	97.7	85.0	64.2	40.7	20.7	5.8	66.8	904
	18-20	100.0	100.0	100.0	99.9	98.1	90.9	73.1	46.9	12.9	77.9	904
	21-23	100.0	100.0	100.0	100.0	99.8	98.2	90.6	67.6	22.9	83.[illegible]	902
TOTALS		100.0	100.0	100.0	99.0	93.5	83.3	68.7	47.3	16.4	76.6	7194

USAFETAC FORM JUL 64 0-87-5 (OL A)

AL CLIMATOLOGY BRANCH
FETAC
EATHER SERVICE/MAC

RELATIVE HUMIDITY

STATION	STATION NAME	PERIOD	MONTH
68	OTIS AFB MA	68-70,73,75-80	SEP

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%		
F	00-02	100.0	100.0	100.0	100.0	99.6	96.9	90.7	70.0	22.2	84.0	850
	03-05	100.0	100.0	100.0	99.9	99.8	99.1	93.0	72.4	26.9	85.2	845
	06-08	100.0	100.0	100.0	100.0	100.0	95.5	83.5	56.8	19.8	81.6	847
	09-11	100.0	100.0	100.0	97.2	83.3	63.0	38.2	23.7	7.5	67.1	843
	12-14	100.0	100.0	99.5	92.9	73.3	50.2	30.0	17.9	4.7	62.5	847
	15-17	100.0	100.0	99.8	96.4	83.0	62.3	38.8	22.5	7.2	66.5	853
	18-20	100.0	100.0	100.0	99.9	98.6	93.0	74.6	45.8	11.6	78.4	855
	21-23	100.0	100.0	99.9	99.9	99.2	96.0	88.3	62.9	19.1	82.5	857
TOTALS		100.0	100.0	99.9	98.3	92.1	82.0	67.1	46.5	14.9	76.0	6797

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

68	OTIS AFB MA	68-70,73,75-80	OCT
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	99.9	97.1	87.5	71.5	51.7	18.7	78.4	925
	03-05	100.0	100.0	100.0	100.0	98.7	91.3	77.0	53.9	18.7	79.6	927
	06-08	100.0	100.0	100.0	99.9	97.8	88.1	71.0	48.3	13.9	77.6	925
	09-11	100.0	100.0	99.8	95.5	77.5	58.4	38.1	22.0	4.9	65.3	930
	12-14	100.0	100.0	96.5	86.5	68.1	48.4	29.3	16.0	4.7	60.9	929
	15-17	100.0	100.0	99.5	91.2	78.2	60.9	40.3	21.1	7.1	65.6	930
	18-20	100.0	100.0	100.0	99.0	91.5	82.2	63.5	39.7	11.3	74.6	930
	21-23	100.0	100.0	100.0	99.7	95.4	83.7	68.9	48.6	16.3	77.0	930
TOTALS		100.0	100.0	99.7	96.5	88.0	75.1	57.5	37.7	12.0	72.4	7426

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

2

RELATIVE HUMIDITY

[illegible]	OTIS AFB MA	68-70,73,75-80	NOV
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	99.6	95.2	83.1	65.4	48.5	23.0	77.1	806
	03-05	100.0	100.0	100.0	99.8	96.0	84.3	68.0	49.3	22.4	77.7	807
	06-08	100.0	100.0	100.0	100.0	96.3	82.5	67.3	47.8	21.2	77.4	887
	09-11	100.0	100.0	99.8	95.7	80.4	62.8	47.0	32.4	15.6	69.0	887
	12-14	100.0	100.0	98.6	84.9	68.5	51.6	36.1	21.6	10.8	62.8	888
	15-17	100.0	100.0	98.9	89.0	75.2	58.8	43.1	29.2	10.5	66.2	891
	18-20	100.0	100.0	99.7	98.3	87.4	74.5	57.5	38.7	17.0	73.0	890
	21-23	100.0	100.0	99.7	99.4	92.4	79.2	62.2	43.5	21.3	75.5	891
TOTALS		100.0	100.0	99.6	95.8	86.4	72.1	55.8	38.9	17.7	72.3	6947

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7 068	OTIS AFB MA	68-70,73,75-80	DEC
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	99.0	95.5	86.2	69.4	50.4	35.0	13.4	70.6	805
	03-05	100.0	100.0	99.7	96.2	89.5	72.2	51.9	33.9	14.3	71.3	799
	06-08	100.0	100.0	99.9	96.6	89.3	72.7	54.7	35.9	14.9	71.9	895
	09-11	100.0	100.0	97.4	90.7	75.6	56.7	40.7	27.2	12.3	65.7	906
	12-14	100.0	99.6	94.8	82.6	63.2	45.8	34.3	20.5	10.8	60.6	908
	15-17	100.0	99.6	95.7	84.6	67.8	52.5	37.9	24.4	11.7	63.0	907
	18-20	100.0	100.0	98.3	92.0	78.3	63.2	45.8	31.4	13.3	67.9	904
	21-23	100.0	100.0	98.8	94.2	83.1	68.4	50.0	34.3	14.6	70.0	898
TOTALS		100.0	99.9	98.0	91.6	79.1	62.6	45.7	30.3	13.2	67.6	7022

USAFETAC FORM JUL 64 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

68 | OTIS AFB MA | 68-70,73,75-81 | ALL
STATION | STATION NAME | PERIOD | MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.9	98.7	90.0	73.5	55.1	39.0	22.5	6.6	64.0	7379
FEB		100.0	99.9	96.1	87.3	71.5	53.3	37.0	21.4	6.3	62.8	6765
MAR		100.0	99.9	97.5	88.8	76.0	60.4	44.1	29.0	9.4	66.0	7234
APR		100.0	99.6	95.8	86.9	74.3	60.3	44.2	28.7	10.3	65.7	7191
MAY		100.0	99.8	98.2	92.0	83.1	71.3	57.1	36.8	13.2	70.9	7428
JUN		100.0	100.0	99.9	98.2	91.2	82.4	67.9	47.6	21.5	76.7	7182
JUL		100.0	100.0	99.7	98.0	92.1	80.9	66.0	45.0	17.0	75.6	7426
AUG		100.0	100.0	100.0	99.0	93.5	83.3	68.7	47.3	16.4	76.6	7194
SEP		100.0	100.0	99.9	98.3	92.1	82.0	67.1	46.5	14.9	76.0	6797
OCT		100.0	100.0	99.7	96.5	88.0	75.1	57.5	37.7	12.0	72.4	7426
NOV		100.0	100.0	99.6	95.8	86.4	72.1	55.8	38.9	17.7	72.3	6947
DEC		100.0	99.9	98.0	91.6	79.1	62.6	45.7	30.3	13.2	67.6	7022
TOTALS		100.0	99.9	98.6	93.5	83.4	69.9	54.2	36.0	13.2	70.6	85990

USAFETAC FORM JUL 64 0-87-5 (OL A)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F PRESSURE SUMMARY

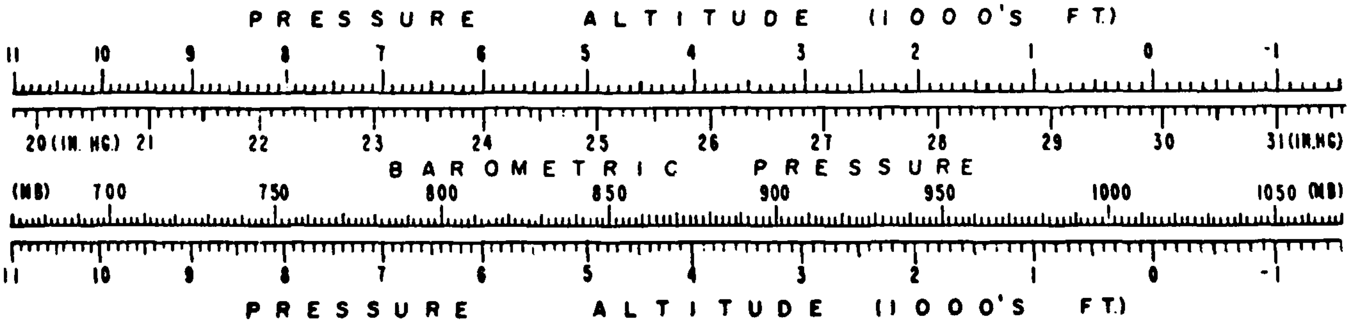
Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided 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.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

725068	OTIS AFB MA	68-70,73,75-81
STATION	STATION NAME	YEARS

HRS (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ANNUAL
1	MEAN	29.820	29.830	29.816	29.833	29.833	29.846	29.855	29.878	29.923	29.905	29.883	29.824	29.854
	S.D	.310	.319	.324	.253	.213	.176	.152	.139	.176	.245	.285	.329	.253
	TOTAL OBS	304	283	310	300	310	300	310	302	299	310	271	277	3576
4	MEAN	29.816	29.816	29.803	29.828	29.828	29.841	29.851	29.870	29.916	29.900	29.881	29.821	29.848
	S.D	.315	.320	.327	.253	.214	.178	.152	.139	.178	.244	.288	.333	.255
	TOTAL OBS	305	283	310	300	310	300	310	308	299	310	272	275	3582
7	MEAN	29.832	29.835	29.828	29.850	29.852	29.863	29.873	29.894	29.937	29.924	29.894	29.842	29.869
	S.D	.319	.318	.328	.255	.216	.179	.153	.141	.183	.244	.286	.334	.257
	TOTAL OBS	309	283	309	300	310	300	310	308	300	310	299	307	3645
[illegible]	MEAN	29.860	29.844	29.834	29.848	29.853	29.862	29.875	29.897	29.945	29.929	29.905	29.865	29.877
	S.D	.329	.316	.334	.257	.218	.182	.153	.142	.187	.248	.293	.341	.261
	TOTAL OBS	309	282	310	300	310	300	310	309	300	310	300	310	3650
13	MEAN	29.802	29.797	29.802	29.819	29.833	29.846	29.861	29.881	29.917	29.892	29.859	29.811	29.844
	S.D.	.329	.312	.330	.253	.216	.183	.151	.144	.188	.251	.296	.343	.261
	TOTAL OBS	308	282	310	299	310	300	310	308	300	310	300	310	3647
[illegible]	MEAN	29.808	29.790	29.786	29.800	29.817	29.832	29.844	29.863	29.899	29.881	29.859	29.816	29.833
	S.D.	.326	.313	.321	.249	.211	.181	.150	.143	.184	.250	.289	.339	.257
	TOTAL OBS	309	283	310	300	310	300	310	308	300	310	300	309	3649
19	MEAN	29.834	29.821	29.812	29.819	29.828	29.840	29.850	29.872	29.913	29.904	29.882	29.840	29.851
	S.D.	.322	.311	.317	.247	.205	.173	.147	.139	.176	.247	.278	.333	.252
	TOTAL OBS	310	282	310	299	309	299	310	309	300	310	300	307	3645
22	MEAN	29.835	29.829	29.825	29.836	29.845	29.856	29.865	29.889	29.928	29.914	29.883	29.838	29.862
	S.D.	.320	.314	.315	.251	.203	.174	.148	.139	.174	.249	.278	.328	.252
	TOTAL OBS	309	283	310	300	309	300	310	309	300	310	300	305	3645
ALL HOURS	MEAN	29.826	29.820	29.813	29.829	29.836	29.848	29.859	29.881	29.922	29.906	29.881	29.832	29.855
	S.D.	.322	.315	.324	.252	.212	.178	.151	.141	.181	.247	.287	.335	.257
	TOTAL OBS	2463	2261	2479	2398	2478	2399	2480	2461	2398	2480	2342	2400	29039

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

STATION	STATION NAME	YEARS
725 68	OTIS AFB MA	68-70,73,75-79

HRS (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
01	MEAN	1016.8	1014.0	1014.1	1015.2	1015.5	1014.8	1016.2	1015.2	1018.2	1018.9	1014.9	1012.1	1015.6
	S.D.	9.516	11.498	11.761	8.963	8.111	4.520	4.646	4.593	5.700	8.302	10.482	11.109	8.706
	TOTAL OBS	124	113	124	120	124	120	124	124	120	124	92	93	1402
04	MEAN	1016.7	1013.8	1013.7	1015.0	1015.[illegible]	014.8	1016.1	1015.1	1018.0	1018.8	1014.8	1012.1	1015.4
	S.D.	9.719	11.361	11.931	8.902	8.127	4.645	4.642	4.467	5.795	8.356	10.565	11.234	8.754
	TOTAL OBS	124	113	124	120	124	120	124	124	121	124	92	93	1403
07	MEAN	1016.8	1014.4	1014.5	1015.9	1016.2	1015.4	1016.8	1015.9	1018.6	1019.6	1015.5	1013.8	1016.1
	S.D.	10.585	11.166	12.218	8.881	8.044	4.640	4.606	4.530	6.100	8.477	10.146	11.285	8.923
	TOTAL OBS	125	113	125	120	124	120	124	124	120	124	120	124	1463
10	MEAN	1018.0	1014.6	1014.5	1015.8	1016.2	1015.5	1016.9	1016.0	1018.7	1019.8	1015.7	1014.2	1016.3
	S.D.	10.334	11.282	12.629	8.921	8.109	4.709	4.635	4.583	6.319	8.516	10.368	11.474	9.032
	TOTAL OBS	124	113	124	120	124	120	124	124	120	124	120	124	1461
13	MEAN	1016.5	1012.9	1013.4	1014.9	1015.4	1014.9	1016.3	1015.4	1017.7	1018.5	1014.1	1012.2	1015.2
	S.D.	10.250	11.330	12.499	8.927	7.964	4.673	4.612	4.650	6.454	8.670	10.549	11.685	9.090
	TOTAL OBS	125	113	124	120	124	120	124	124	120	124	120	124	1462
16	MEAN	1016.6	1012.7	1013.0	1014.2	1014.9	1014.4	1015.8	1014.8	1017.2	1018.2	1014.2	1012.5	1014.9
	S.D.	9.858	11.342	12.104	8.729	7.792	4.716	4.731	4.722	6.297	8.535	10.479	11.693	8.947
	TOTAL OBS	124	113	125	121	124	120	125	124	120	124	120	123	1463
19	MEAN	1017.6	1013.7	1013.9	1014.7	1015.4	1014.6	1015.9	1015.0	1017.8	1019.0	1015.0	1013.4	1015.5
	S.D.	9.665	11.324	11.653	8.789	7.561	4.516	4.567	4.648	6.059	8.397	10.052	11.577	8.760
	TOTAL OBS	124	113	124	120	124	120	124	124	120	124	120	122	1459
22	MEAN	1017.7	1013.8	1014.1	1015.2	1015.9	1015.1	1016.4	1015.7	1018.3	1019.3	1015.0	1013.7	1015.9
	S.D.	9.658	11.514	11.795	8.846	7.579	4.488	4.576	4.691	5.877	8.410	10.030	11.235	8.760
	TOTAL OBS	124	113	125	121	124	120	124	124	120	124	120	122	1461
ALL HOURS	MEAN	1017.1	1013.7	1013.9	1015.1	1015.6	1014.9	1016.3	1015.4	1018.1	1019.0	1014.9	1013.1	1015.6
	S.D.	9.936	11.325	12.046	8.854	7.898	4.611	4.625	4.614	6.076	8.443	10.298	11.413	8.883
	TOTAL OBS	994	904	995	962	992	960	993	992	961	992	904	925	11574

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