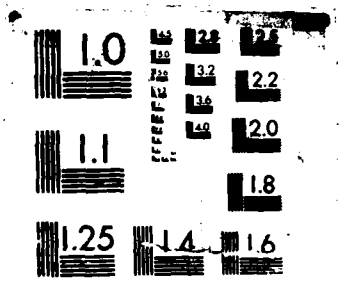
AD-A188 452 OTIS ANGB MASSACHUSETTS REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 12 JUN 87 1/4

UNCLASSIFIED USAFETAC/DS-87/040 F/G 4/2 NL





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REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

OTIS ANGB MA MSC #725060
N 41 39 W 070 31 ELEV 131 FT FMHA

PARTS A - F HOURS SUMMARIZED: 0000 - 2300 LST

PERIOD OF RECORD:
HOURLY OBSERVATIONS: JAN 77 - DEC 86

SUMMARY OF DAY DATA: OCT 42 - APR 44
NOV 48 - DEC 86

TIME CONVERSION GMT TO LST -5

"Approved for public release;
Distribution Unlimited."

FEDERAL BUILDING

ASHEVILLE, N.C. 28801 - 2723

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REVIEW AND APPROVAL STATEMENT

USAFETAC/DS-87/040, Otis ANGB MA RUSSWO Jun 1987, is approved for public release. There is no objection to unlimited distribution of this document to the public at large, or by the Defense Technical Information Center (DTIC) to the National Technical Information Service (NTIS).

This document has been reviewed and is approved for publication.

FOR THE COMMANDER



WALTER S. BURGMANN
Scientific and Technical Information Program Manager

REPORT DOCUMENTATION PAGE

1a. **Report Security Classification:** UNCLASSIFIED

3. **Distribution/Availability of Report:** Approved for public release; Distribution unlimited.

4. **Performing Organization Report Number:** USAFETAC/DS-87/040.

5. **Monitoring Organization Report Number:** USAFETAC/DS-87/040.

6a. **Name of Performing Organization:** USAFETAC/OL-A
6b. **Office Symbol:**
6c. **Address:** Federal Building, Asheville, NC 28801-2723.

11 **Title:** (RUSSWO) Otis AANGB MA.

12 **Personal Author(s):**

13a **Type of Report:** Data Summary
13b **Time Covered:** Oct 42-Apr 44, Nov 48-Dec 86.

14 **Date of Report:** Jun 87

15 **Page Count:** 312

16 **Supplementary Notation:**

17 **COSATI Codes:** Field--04, Group--02

18 **Subject Terms:** *climatology; *weather; meteorological conditions; winds; precipitation; temperature; visibility; barometric pressure; relative humidity; sky cover; psychrometric data; ceiling; Revised Uniform Summary of Surface Weather Observations (RUSSWO); Otis ANGB MA; Falmouth MA; Massachusetts; USMA725060.

19 **Abstract:** A six-part statistical data summary of surface weather observations for Otis ANGB MA. Summary consists of: PART A) Weather Conditions and Atmospheric Phenomena; PART B) Precipitation; PART C) Surface Winds; PART D) Ceiling and Visibility; PART E) Psychrometric Summaries; PART F) Pressure Summaries. See USAFETAC/TN-83/001 (ADA132186), An Aid for Using the Revised Uniform Summary of Surface Weather Observations (RUSSWO) for complete description of contents and instructions for use.

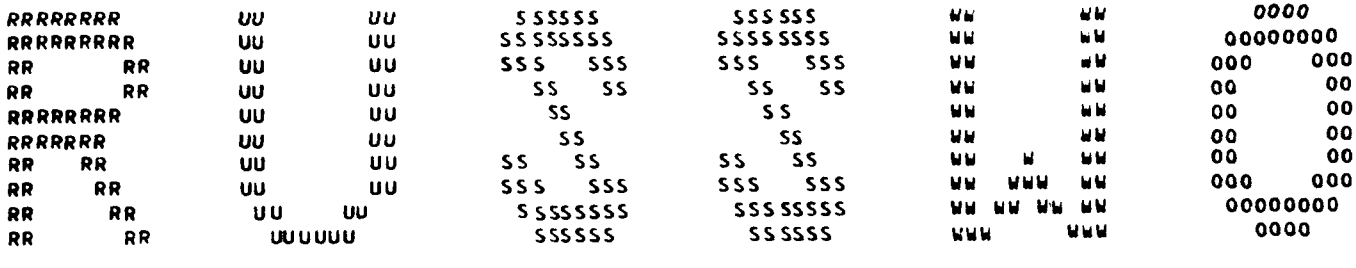
20 **Distribution/Availability of Abstract:** Same as report.

21 **Abstract Security Classification:** UNCLASSIFIED.

22a **Name of Responsible Individual:** Marianne L. Cavanaugh
22b **Telephone:** (618)256-2625
22c **Office Symbol:** USAFETAC/LDD

DD FORM 1473 UNCLASSIFIED

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STATION NAME: OTIS ANGB MA

STATION NUMBER: 725060

PERIOD OF RECORD:

HOURLY OBSERVATIONS: JAN 77 - DEC 86

SUMMARY OF DAY DATA: OCT 42 - APR 44, NOV 48 - DEC 86

TIME CONVERSION GMT TO LST: -5

DATE PRODUCED: 12 JUN 1987

CALL ID: KFMH

HOURS SUMMARIZED: 0000-2300 LST

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Justification
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Distribution/
Availability Codes

OL-A/USAFETAC/MAC/AWS
ASHEVILLE NC 28801

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS: ALL RECORD OR RECORD SPECIAL OBSERVATIONS RECORDED ON THE AWS FORMS 10/10A AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY DATA (DAILY OBSERVATIONS): DATA COMPILED FROM ALL AVAILABLE OBSERVATIONS WHICH INCLUDES HOURLY OBSERVATIONS AND DAILY DATA RECORDED IN COLUMNS 66-73, AWS FORMS 10/10A.

DESCRIPTION OF SUMMARIES: PRECEEDING EACH PART OF THE RUSSWO IS A BRIEF DISCUSSION OF THE SUMMARY INCLUDING THE MANNER OF PRESENTATION.

STANDARD 3-HOUR TIME GROUPS: IN ALL SUMMARIES SHOWING DIURNAL VARIATIONS, WE SUMMARIZE DATA USING THE FOLLOWING EIGHT 3-HOUR TIME PERIODS IN LOCAL STANDARD TIME: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 LST.

FOR A DETAILED DESCRIPTION OF EACH SUMMARY WITH EXAMPLES AND EXERCISES ON ITS USAGE, SEE USAFETAC/TN-83-001, "AN AID FOR USING THE REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS" (RUSSWO).

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PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

AWSMSC NUMBER: THIS NUMBER IS THE AIR WEATHER SERVICE MASTER STATION CATALOG NUMBER. THIS NUMBER IS COMPRISED OF THE WMO NUMBER WITH THE ADDITION OF A SUFFIX (0 THROUGH 9). IN CASES WHERE THERE IS NO DESIGNATED WMO NUMBER, A 5-DIGIT NUMBER IS CREATED IN AGREEMENT WITH WMO RULES PLUS A SIXTH DIGIT. THESE NUMBERS ARE ALSO REFERRED TO AS DATSAV OR USAFETAC NUMBERS WHICH UNIQUELY IDENTIFY MORE THAN 15,000 REPORTING STATIONS WORLD WIDE.

14704

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT.)	CALL SIGN	WBAN NUMBER
725068/725060	OTIS AFB MA/FALMOUTH	N 41 39	W 070 31	132	FMH	

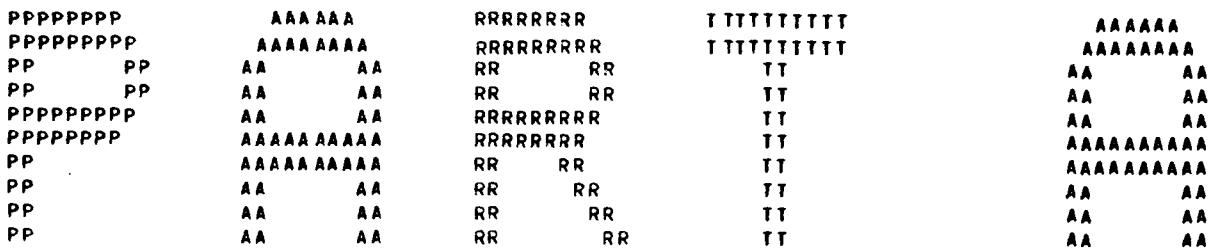
14704

STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION FROM	AT THIS LOCATION TO	LATITUDE	LONGITUDE	ELEVATION ABOVE MSL FIELD (FT)	ELEVATION ABOVE MSL BT. BARO.	OBS PER DAY
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	Dec 86	Same	Same	132	Same	24
	* MSC No Chg 1 Aug 85								

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANG
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	

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	
9	23 May60	Located 3/8 mile from base operations bldg.	Same	Same	Same	
10	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	
11	Jun 66	1. Same	T755/GMQ-20	Same	Same	
		2. Same	Same		Same	
		3. Same	Same		Same	
12	Mar 69	1. Same	Same	RO-362	Same	
		2. Same	Same		Same	
		3. Same	Same		Same	
13	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	
14	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	
15	Dec 86	Same	Same	Same	Same	


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WEATHER CONDITIONS AND ATMOSPHERIC PHENOMENA SUMMARIES

WEATHER CONDITIONS SUMMARY

1. A PERCENTAGE FREQUENCY OCCURRENCE SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON HOURLY OBSERVATIONS.
3. SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ATMOSPHERIC PHENOMENA SUMMARY

1. A PERCENTAGE FREQUENCY OF DAYS SUMMARY OF VARIOUS ATMOSPHERIC PHENOMENA AND OBSTRUCTIONS TO VISION.
2. DATA BASED ON SUMMARY OF DAY DATA.
3. SUMMARIZED BY MONTH WITH ALL HOURS AND ALL YEARS COMBINED.

DEFINITIONS:

THUNDERSTORMS: ALL REPORTED THUNDERSTORMS, TORNADOES AND WATERSPOUTS.

RAIN AND/OR DRIZZLE: ALL REPORTED RAIN AND OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING RAIN AND/OR FREEZING DRIZZLE (GLAZE): ALL REPORTED FREEZING RAIN OR FREEZING DRIZZLE.

SNOW AND/OR SLEET. SNOW INCLUDING SNOW PELLETS AND GRAINS, ICE CRYSTALS AND PELLETS. AND/OR SLEET (ICE PELLETS).

HAIL: ALL REPORTED HAIL.

ALL PRECIPITATION: THIS CATEGORY INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY APPEAR IN A SINGLE OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL COLUMNS MAY EXCEED THE PERCENTAGES IN THIS COLUMN.

FOG: ALL REPORTED FOG, ICE FOG AND GROUND FOG.

SMOKE AND/OR HAZE: ALL REPORTED SMOKE, HAZE AND ANY COMBINATION THEREOF.

BLOWING SNOW: ALL REPORTED BLOWING SNOWS INCLUDING DRIFTING WHEN REPORTED.

DUST AND/OR SAND: ALL REPORTED DUST, SAND, BLOWING DUST, BLOWING SAND AND ANY COMBINATION THEREOF. THE ATMOSPHERIC PHENOMENA SUMMARY (DAYS WITH) INCLUDES ONLY THOSE REPORTS WHEN THE PHENOMENA VISIBILITY LESS THAN 5/8 MILES (1000 METERS).

ALL OBSTRUCTIONS TO VISION: INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION (FOG THRU DUST/SAND) AND BLOWING SPRAY. BECAUSE MORE THAN ONE PHENOMENA PER OBSERVATION MAY OCCUR, THE SUM OF THE INDIVIDUAL COLUMNS MAY EXCEED THIS COLUMN.

NOTES:

1. A VALUE IN THE TABLES OF ".0" INDICATES LESS THAN .05% OCCURRENCE WHICH IS USUALLY ONLY ONE OCCURRENCE

2. METAR STATIONS (BEGINNING IN JAN 1968) AND SYNOPTIC REPORTING STATIONS RECORDED ON THE AWS FORMS 10/10A AND TRANSMITTED LONGLINE ONLY THE HIGHEST ORDER OF ATMOSPHERIC PHENOMENA OBSERVED. BEGINNING IN JAN 1970, METAR STATIONS RECORDED ALL OBSERVED PHENOMENA BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE OBSERVATION CONTAINED RAIN, FOG AND SMOKE, ALL THREE WILL APPEAR ON THE AWS FORMS 10/10A, BUT ONLY THE RAIN WAS TRANSMITTED LONGLINE. THEREFORE ONLY THE RAIN APPEARS IN OUR DATA BASE FOR HOURLY SUMMARIZATION. THIS PRACTICE EFFECTS THE PERCENTAGES IN THE TABLES.

GLOBAL CLIMATOLOGY BRANCH
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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
MONTH: JAN

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		9.2	.4	4.6		14.0	13.2	1.2	.4		14.6	917
03-05		9.5		6.6		16.1	14.7	1.2	.2		15.5	917
06-08		8.6	.1	6.8		15.3	17.4	1.4	.5		18.3	926
09-11		8.3	.2	9.4		15.9	17.5	3.0	.5		19.8	930
12-14	.1	6.9	.2	8.3		15.2	15.7	2.4	1.2		18.4	927
15-17		10.1	.1	5.1		15.2	16.3	3.9	.2		19.4	930
18-20		9.3		6.6		14.9	15.1	2.0	.2		17.2	930
21-23		9.1	.3	6.1		15.0	13.8	1.4	.4		15.6	929
TOTALS	.0	9.6	.2	6.6		15.2	15.5	2.1	.5		17.4	7406

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
MONTH: FEB

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02		10.3	.1	6.4		16.2	18.0	1.7	.9		20.0	846
03-05	.1	9.2	.1	7.6		16.7	19.1	2.1	1.2		22.1	846
06-08		8.6	.1	7.0		15.5	20.7	2.0	1.5		23.3	846
09-11		7.8		7.4		14.8	17.6	3.1	1.1		21.3	846
12-14		9.0	.1	7.1		15.8	15.0	4.3	1.1		19.3	846
15-17		10.4	.4	5.2		15.6	16.5	3.2	.4		19.5	846
18-20	.1	11.0	.2	5.7		16.8	18.0	3.7	1.1		21.3	846
21-23	.2	9.9		5.6		15.0	16.1	3.1	1.2		18.7	846
TOTALS	.1	9.5	.1	6.5		15.6	17.6	2.9	1.1		20.7	6766

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAR

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.5	14.3	.2	3.1		16.7	21.2	1.6	.1		22.1	929
03-05	.1	13.5		3.7		16.8	23.3	1.8	.3		24.5	930
06-08		13.3	.1	3.2		15.9	23.0	2.2	.4		24.6	930
09-11		11.9		3.8		14.8	17.7	1.7	.4		19.4	930
12-14		9.8		3.7		13.0	15.2	3.4	.3		17.4	930
15-17		12.8		3.3		15.3	15.2	2.9	.2		17.1	930
18-20		13.6	.3	2.9		15.7	19.5	2.5			20.9	929
21-23	.1	14.6	.5	2.5		16.7	20.0	2.3			21.5	929
TOTALS	.1	13.0	.1	3.3		15.6	19.4	2.3	.2		20.9	7437

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: APR

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.2	15.7		.9		16.1	21.7	1.4	.3		23.0	900
03-05		13.0		.7		13.4	24.8	1.9	.3		26.3	900
06-08	.1	10.3		.7		10.9	22.7	2.1	.3		24.0	900
09-11		9.3		.8		10.1	15.3	2.6	.3		17.6	900
12-14		9.8		.9		10.2	13.3	2.7	.2		15.6	900
15-17	.1	11.0		.9		11.9	14.6	2.3	.3		16.6	900
18-20	.1	13.3		.8		14.0	19.6	2.6	.3		21.6	900
21-23	.3	13.6		.7		14.2	20.9	2.9	.3		23.3	900
TOTALS	.1	12.0		.8		12.6	19.1	2.3	.3		21.0	7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAY

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.4	13.3				13.3	32.0	1.9			33.1	930
03-05	.1	11.0				11.0	36.6	3.1			38.4	930
06-08	.2	9.8		.1		9.9	31.5	5.8			35.3	930
09-11	.2	10.5				10.5	21.1	5.5			24.6	930
12-14	.2	9.7				9.7	16.3	5.9			20.3	930
15-17	.1	9.9				9.9	17.8	7.5			22.3	930
18-20	.3	11.0				11.0	25.7	8.1			30.0	930
21-23	.5	11.3				11.3	28.5	4.6			30.8	929
TOTALS	.3	10.8		.0		10.8	26.2	5.3			29.4	7439

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUN

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.6	11.9				11.9	31.6	8.2			36.4	900
03-05	.6	11.3				11.3	37.4	7.0			40.3	900
06-08	.4	9.3				9.3	30.8	7.6			34.7	900
09-11	.3	8.1				8.1	21.0	10.6		.1	27.9	900
12-14	.1	9.0				9.0	17.4	15.4			29.1	900
15-17	.8	8.1				8.1	16.6	16.0			28.1	900
18-20	.8	8.9				8.9	22.7	14.7			32.0	900
21-23	.6	11.1				11.1	27.0	11.3			33.7	900
TOTALS	.6	9.7				9.7	25.6	11.4		.0	32.8	7200

GLOBAL CLIMATOLOGY BRANCH
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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUL

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	1.0	6.7				6.7	37.0	14.2			42.5	930
03-05	.8	6.3				6.3	44.2	14.2			47.7	930
06-08	.1	5.4				5.4	34.8	19.0			43.1	930
09-11	.2	4.2				4.2	19.1	18.3			29.2	930
12-14	.6	4.4				4.4	13.0	21.2			28.1	930
15-17	.9	5.3				5.3	13.3	22.6			29.5	930
18-20	.3	4.0				4.0	22.1	20.7			35.1	929
21-23	1.0	6.2				6.2	32.7	18.4			41.0	930
TOTALS	.6	5.3				5.3	27.6	18.6			37.0	7439

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.5	6.5				6.5	37.7	12.3			42.4	930
03-05	1.1	7.4				7.4	42.3	9.5			44.3	930
06-08	.3	6.6				6.6	36.6	15.2			43.2	930
09-11	.2	6.8				6.8	22.2	20.3			34.8	930
12-14	1.1	6.4				6.4	17.9	22.1			32.7	929
15-17	.9	6.2				6.2	20.0	22.8			33.1	930
18-20	1.3	6.8				6.8	25.9	23.0			37.6	930
21-23	.5	6.6				6.6	33.3	16.7			39.4	930
TOTALS	.7	6.7				6.7	29.5	17.7			38.4	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: SEP

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.3	7.2				7.2	26.2	6.8			26.9	900
03-05	.6	8.2				8.2	27.6	4.8			28.7	900
06-08	.2	7.8				7.8	27.7	9.1			31.2	900
09-11		6.7				6.7	15.6	7.8			20.9	900
12-14	.1	5.4				5.4	11.1	7.7			16.9	900
15-17		6.1				6.1	12.9	9.7			20.2	900
18-20	.1	6.0				6.0	19.1	13.0			25.7	900
21-23	.3	6.4				6.4	22.9	10.0			26.4	900
TOTALS	.2	6.7				6.7	20.4	8.6			24.6	7200

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: OCT

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.5	9.7				9.7	23.5	2.8			24.1	930
03-05	.4	8.8				8.8	24.0	3.0			25.2	930
06-08	.3	9.1				9.1	25.0	5.4			27.7	929
09-11	.1	8.8				8.8	15.6	5.6			19.7	930
12-14	.3	10.3				10.3	13.3	6.6			16.3	930
15-17	.2	10.8				10.8	16.5	6.6			21.3	930
18-20	.2	11.7				11.7	22.4	6.3			25.8	930
21-23	.5	10.4				10.4	24.4	4.3			25.5	930
TOTALS	.3	10.0				10.0	20.6	5.1			23.5	7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: NOV

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.1	12.7		.1		12.7	20.8	.2			20.8	900
03-05		12.2		.3		12.4	23.4	.2			23.6	900
06-08		12.5		1.0		13.1	25.8	1.7			26.3	899
09-11		12.6		.4	.1	13.0	18.9	3.3			20.6	900
12-14		12.6		.8	.1	13.2	15.9	2.7			17.6	900
15-17		12.0		.3		12.3	14.3	3.1			16.1	900
18-20		12.6		.4	.1	12.8	16.9	2.4			17.8	900
21-23	.1	13.2		.6		13.7	19.1	.9			19.2	900
TOTALS	.0	12.6		.5	.0	12.9	19.4	1.8			20.3	7199

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: DEC

HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
00-02	.1	13.1	.1	6.0		18.0	19.8	1.3	.3		20.5	923
03-05		12.3	.3	5.3		17.1	20.2	1.1	.3		21.0	918
06-08		11.0	.1	4.7		15.4	18.9	1.2	.5		20.0	924
09-11		10.1		4.6		14.1	17.1	2.2	.8		18.8	930
12-14		11.1		3.9		14.5	17.2	2.4	.6		18.7	930
15-17		12.4		4.1		16.2	18.6	2.6	.6		21.1	930
18-20		12.0		3.5		14.9	18.4	2.2	.6		19.2	926
21-23		12.8	.1	4.7		16.7	19.5	2.1	.3		20.3	924
TOTALS	.0	11.9	.1	4.6		15.9	18.7	1.9	.5		20.0	7405

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: ALL

	HOURS (LST)	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
JAN	ALL	.0	8.6	.2	6.6		15.2	15.5	2.1	.5		17.4	7406
FEB		.1	9.5	.1	6.5		15.8	17.6	2.9	1.1		20.7	6768
MAR		.1	13.0	.1	3.3		15.6	19.4	2.3	.2		20.9	7437
APR		.1	12.0		.8		12.6	19.1	2.3	.3		21.0	7200
MAY		.3	10.8		.6		10.6	26.2	5.3			29.4	7439
JUN		.6	9.7				9.7	25.6	11.4		.0	32.8	7200
JUL		.6	5.3				5.3	27.0	18.6			37.0	7439
AUG		.7	6.7				6.7	29.5	17.7			38.4	7439
SEP		.2	6.7				6.7	20.4	8.6			24.6	7200
OCT		.3	10.0				10.0	20.6	5.1			23.5	7439
NOV		.0	12.6		.5	.0	12.9	19.4	1.8			20.3	7199
DEC		.0	11.9	.1	4.6		15.9	18.7	1.9	.5		20.0	7405
	TOTALS	.3	9.7	.0	1.9	.0	11.4	21.6	6.7	.2	.0	25.5	87571

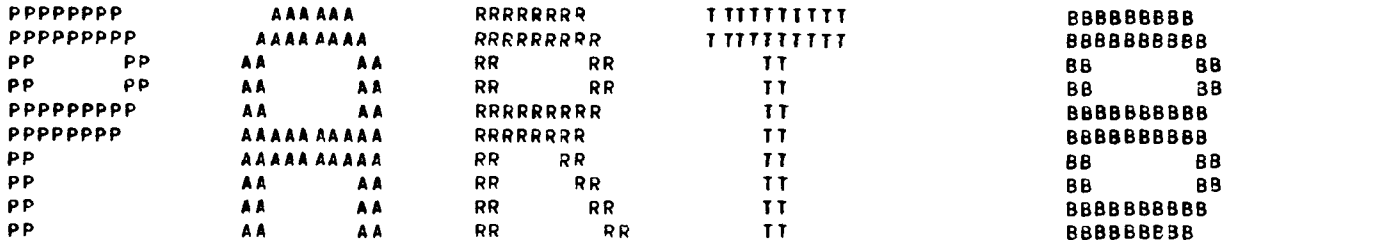
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 48-74, 81-86
MONTH: ALL

MONTH	TSTMS	RAIN &/OR DRIZZLE	FRZING RAIN &/OR DRIZZLE	SNOW &/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	% OBS W/OBST TO VISION	TOTAL OBS
JAN	.5	34.6	2.6	33.8		55.0	45.3	24.6	4.4		53.5	951
FEB	.8	34.9	2.9	37.9		57.5	47.2	23.1	5.9		54.3	875
MAR	3.3	41.4	2.7	26.7	.2	54.1	47.9	19.0	3.3		53.3	961
APR	3.9	53.4	.1	8.9	.1	55.6	50.6	19.1	.2		61.3	928
MAY	8.0	53.5		.1	.1	53.6	55.9	30.5			71.6	961
JUN	9.6	47.2			.1	47.2	65.7	46.7			74.6	900
JUL	10.5	45.4			.5	45.4	69.6	54.1			71.6	930
AUG	11.1	44.0				44.0	65.3	52.8			61.3	900
SEP	4.9	41.1				41.1	56.7	38.4			55.2	930
OCT	2.5	42.0	.1	1.0		42.3	49.4	31.2			53.9	916
NOV	1.6	50.8		7.0		53.2	49.8	20.5	.4		53.5	992
DEC	.7	43.2	2.4	27.9		55.1	46.6	20.8	3.1		59.8	11174
TOTALS	4.7	44.3	.9	11.9	.1	50.3	54.2	31.7	1.4			


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PRECIPITATION, SNOWFALL AND SNOW DEPTH SUMMARIES

PERCENTAGE FREQUENCY OF VARIOUS DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES:

THESE SUMMARIES DERIVE FROM SUMMARY OF DAY DATA.

DATA IS SUMMARIZED MONTHLY AND ANNUALLY WITH ALL YEARS COMBINED.

DISPLAYED ARE: PERCENT OF DAYS WITH MEASURABLE AMOUNTS, A PERCENT OF DAYS WITH NO AMOUNTS, TRACES, GIVEN AMOUNTS, MEANS, GREATEST AMOUNTS AND LEAST AMOUNTS (THE STATISTICAL VALUES ARE NOT INCLUDED IN THE SNOW DEPTH SUMMARY BECAUSE OF THEIR DOUBTFUL AND LIMITED VALUE).

ALSO PROVIDED ARE THE OBSERVATION COUNTS.

A VALUE OF ".0" IN THESE TABLES INDICATES LESS THAN .05% WHICH USUALLY INDICATES ONLY ONE OCCURRENCE.

EXTREME DAILY AMOUNTS OF PRECIPITATION (SNOWFALL AND SNOW DEPTH) SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA

PRESENTED ARE THE EXTREME DAILY AMOUNTS OF PRECIPITATION, SNOWFALL AND SNOW DEPTH BY INDIVIDUAL MONTH AND YEAR.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATIONS COUNTS.

AN ASTERISK "*" PRINTED IN THE TABLES INDICATES THAT THE EXTREME VALUE FOR THAT YEAR AND MONTH DERIVES FROM AN INCOMPLETE MONTH (AT LEAST ONE DAY OF THE MONTH IS MISSING).

WHEN A MONTH HAS VALID OBSERVATIONS REPORTED BUT NO OCCURRENCES, ZEROS ARE DISPLAYED IN THE TABLES:

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)

TOTAL MONTHLY AMOUNTS OF PRECIPITATION AND SNOWFALL SUMMARIES

DATA DERIVED FROM SUMMARY OF DAY DATA.

DATA PRESENTED BY YEAR AND MONTH.

ALSO PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

AN ASTERISK "*" IN THE TABLES INDICATES THAT ONE OR MORE DAYS WERE MISSING FOR THE MONTH.

NO OCCURRENCES FOR THE MONTH ARE INDICATED BY ZEROS.

IF THE AMOUNT IS A TRACE, THEN "TRACE" IS PRINTED IN THE TABLES.

STATISTICAL VALUES DO NOT INCLUDE MEASUREMENTS FROM INCOMPLETE MONTHS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION
FROM SUMMARY OF DAY DATA

STATION NUMBER: 725060 STATION NAME: OTIS AFB MA PERIOD OF RECORD: 42-44, 46-74, 81-86

AMOUNTS IN INCHES

MONTH	NONE	TRACE	.01 TO .05	.06 TO .10	.11 TO .25	.26 TO .50	.51 TO 1.00	1.01 TO 2.50	2.51 TO 5.00	5.01 TO 10.00	10.01 TO 20.00	OVER 20.00	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS MEAN	GREATEST	LEAST
JAN	44.6	17.7	2.6	5.1	5.7	9.2	6.4	5.9	2.2	.1			37.7	1023	3.92	8.09	1.06
FEB	42.2	14.2	2.1	7.0	5.6	7.9	6.9	6.9	3.3				39.6	932	4.13	6.57	1.32
MAR	44.2	17.3	2.8	6.5	4.7	8.5	6.4	5.2	3.3	.4			38.5	1023	4.66	11.56	1.86
APR	43.4	16.3	2.1	7.4	6.1	7.9	6.1	5.4	2.7	.6			38.3	986	4.37	9.31	.81
MAY	42.6	17.5	2.7	5.6	4.5	8.6	7.2	4.3	2.5	.4			37.0	992	3.89	10.52	.98
JUN	52.6	18.1	2.2	5.2	4.1	6.2	4.1	3.8	3.6	.2			29.4	930	3.07	12.65	.02
JUL	54.4	19.3	3.1	5.1	5.2	4.6	3.6	3.7	2.5	.2			26.3	961	3.17	8.49	.03
AUG	56.1	13.6	2.5	6.7	3.6	5.9	4.6	4.2	3.4	.5			30.9	961	4.25	12.22	.64
SEP	56.1	16.2	3.2	4.2	5.8	3.9	3.4	4.0	2.5	.6	.1		25.7	930	3.52	13.74	.16
OCT	57.4	14.6	2.7	5.4	2.6	5.0	5.6	4.1	2.9	.7			28.0	961	3.64	10.13	1.11
NOV	48.5	12.2	3.3	5.4	4.7	7.5	6.6	5.8	4.4	.4			41.3	946	5.00	8.61	1.49
DEC	44.3	13.2	2.9	4.9	5.2	9.7	6.9	6.5	3.4	.5			41.7	1051	4.61	6.95	.99
ANN	49.2	16.3	2.7	5.3	4.4	6.9	5.5	5.2	3.2	.4	.0		34.5	11698	48.23		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725050 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 42-44, 48-74, 81-86

24 HOUR AMOUNTS IN INCHES

-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42												.73	
43	1.22	.77	1.56	1.08	.74	.57	1.45	2.52	1.11	.97	1.15	.39	2.52
44	2.15	.92	1.98	*3.50									
48											*.77	.63	
49	1.15	1.16	1.02	.99	1.14	.02	.44	.47	.90	.68	1.17	.56	1.18
50	.53	1.46	1.70	*1.63	1.81	1.04	1.23	2.02	1.05	1.06	1.76	1.88	2.02
51	.73	.36	.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	1.81	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	.61	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	.62	.42	.03	.40	1.61	1.20	.83	1.38	.79	1.61
58	1.88	1.33	1.34	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	1.81	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	.82	3.16
67	.88	.87	3.60	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	2.10	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	.65	2.83	2.15	1.36	2.34	2.17	1.19	2.14	.85	2.87	2.87
74	.80	.71	1.00	1.57	.85								

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725000 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 42-44, 48-74, 81-86

24 HOUR AMOUNTS IN INCHES

-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
81												*1.26	
82	1.12	.69	.48	1.06	1.37	1.25	.83	1.00	1.73	1.75	1.22	1.19	1.75
83	.75	1.34	1.69	2.78	1.38	1.15	.93	2.12	.84	2.09	2.02	1.35	2.78
84	.80	1.29	2.05	1.61	2.06	3.37	1.65	.20	.36	1.01	.54	.92	3.37
85	.54	.61	2.15	.36	1.21	.78	.69	3.37	.42	.66	1.29	.34	3.37
86	1.54	.73	1.02	.63	.93	1.35	3.14	1.83	.81	1.93	1.57	2.62	3.14
MEAN	1.076	1.302	1.546	1.550	1.395	1.126	1.274	1.652	1.728	1.444	1.493	1.273	3.114
S.D.	.523	.494	.833	.819	.802	1.002	.904	.985	1.629	.760	.646	.704	1.316
TOTAL OBS	1023	932	1023	984	992	930	961	961	930	961	946	1151	11698

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 42-44, 48-74, 81-86

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42												2.63	
43	4.13	2.14	4.19	3.70	4.21	1.36	4.24	3.77	3.34	3.64	2.53	1.31	38.56
44	3.33	2.39	4.67	*4.85									
48											*2.73	2.12	
49	3.96	4.55	4.33	3.54	3.76	.02	1.07	1.59	2.63	1.58	3.46	2.60	33.39
50	3.58	4.37	4.25	*3.65	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	.91	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	2.62	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	4.70	35.19
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	3.64	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	3.55	2.45	1.38	7.17	2.01	.99	2.15	6.38	3.45	5.36	2.85	42.38
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	4.76	4.90	4.33	1.33	1.38	1.93	1.31	4.17	2.15	8.81	8.08	44.36
70	1.24	5.27	5.27	3.47	1.94	3.66	2.24	5.56	2.17	4.08	5.89	4.80	45.59
71	4.27	6.26	2.62	3.08	4.95	.55	1.34	2.04	.52	2.16	5.51	2.71	36.21
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								

NOTE * (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 42-44, 48-74, 81-86

TOTAL MONTHLY PRECIPITATION IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
81												*3.25	
82	4.96	2.85	2.78	3.70	1.90	8.18	2.11	2.92	3.19	3.65	4.50	4.22	44.96
83	2.39	5.25	9.04	8.38	2.83	2.57	1.54	5.57	1.38	7.24	7.57	5.88	59.64
84	3.28	5.69	7.51	4.41	5.42	5.95	6.56	.64	1.43	2.98	1.66	3.40	48.93
85	1.41	1.71	3.39	.81	5.02	3.53	3.14	11.19	1.32	1.80	4.85	1.33	39.50
86	5.38	3.37	3.21	2.47	2.89	4.35	7.91	4.99	1.19	4.00	7.33	8.38	55.46
MEAN	3.922	4.133	4.661	4.375	3.893	3.067	3.173	4.252	3.520	3.638	5.004	4.607	48.515
S.D.	1.717	1.486	2.213	2.075	2.141	2.861	2.218	2.754	2.624	2.245	1.947	2.248	10.364
TOTAL OBS	1023	932	1023	988	992	930	961	961	930	961	946	1051	11698

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL
FROM SUMMARY OF DAY DATA

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 42-44, 48-74, 81-

			AMOUNTS IN INCHES													
MONTH	NONE	TRACE	0.1 TO 0.4	0.5 TO 1.4	1.5 TO 2.4	2.5 TO 3.4	3.5 TO 4.4	4.5 TO 6.4	6.5 TO 10.4	10.5 TO 15.4	15.5 TO 25.4	25.5 TO 50.4	OVER 50.4	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS MEAN	GREATEST	LEAST
JAN	66.3	17.9	4.7	5.5	1.9	1.2	.9	.7	.8	.2	.1			15.8	1023	9.1	34.8	TRACE
FEB	62.7	20.3	3.8	6.2	1.8	1.8	.4	1.8	.9	.3				17.1	932	10.6	30.0	TRACE
MAR	73.0	16.6	2.5	3.4	1.3	.8	1.1	.6	.4	.1	.2			10.4	1023	7.4	38.1	TRACE
APR	91.5	6.9	1.0	.3	.3	.2		.2		.1				2.1	986	1.3	11.2	.0
MAY	99.9	.1													992	TRACE	TRACE	.0
JUN	100.0														929	.0	.0	.0
JUL	100.0														961	.0	.0	.0
AUG	100.0														961	.0	.0	.0
SEP	100.0														930	.0	.0	.0
OCT	99.1	.7	.1		.1									.2	992	.1	2.0	.0
NOV	92.9	5.8	.4	.4	.4									1.3	946	.4	3.7	.0
DEC	72.7	14.9	4.0	3.2	2.4	1.2	.5	.6	.2	.1	.2			12.4	1051	7.1	29.0	TRACE
ANN	88.1	6.9	1.4	1.6	.7	.4	.2	.3	.2	.1	.0			4.9	11726	36.0		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725000 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 42-44, 48-74, 81-86

24 HOUR AMOUNTS IN INCHES

-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42										.0		2.9	
43	7.5	1.0	4.0	*TRACE	.0	*.0	.0	.0	.0	.0	TRACE	2.0	7.5
44	.1	4.8	4.3	*.4									
48											*.0	6.3	
49	7.0	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	9.0	1.5	.0	.0	.0	.0	.0	.0	.0	TRACE	1.8	9.0
52	3.8	6.7	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	3.4	7.2
58	.6	10.0	3.4	3.0	.0	.0	.0	.0	.0	.0	TRACE	4.8	10.0
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	7.5	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	5.0	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	3.7	1.2	.2	.0	.0	.0	.0	.0	.0	TRACE	3.4	4.4
69	.3	5.4	11.2	TRACE	.0	.0	.0	.0	.0	TRACE	.1	2.7	11.2
70	6.9	5.0	9.0	TRACE	.0	.0	.0	.0	.0	TRACE	.0	17.3	17.3
71	9.8	1.3	1.0	3.0	.0	.0	.0	.0	.0	.0	1.7	3.0	9.8
72	1.2	3.2	.5	.4	.0	.0	.0	.0	.0	TRACE	.7	3.2	3.2
73	1.6	9.5	4.2	2.0	.0	.0	.0	.0	.0	.0	.0	TRACE	9.5
74	7.9	3.7	TRACE	TRACE	.0								

NOTE * (BASED ON LESS THAN FULL MONTHS)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 42-44, 48-74, 81-86

24 HOUR AMOUNTS IN INCHES

-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
81												*3.0	
82	5.1	3.5	.8	10.7	.0	.0	.0	.0	.0	.0	TRACE	5.8	15.7
83	.5	15.6	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.6	18.8
84	2.6	TRACE	7.0	.4	.0	.0	.0	.0	.0	.0	.1	TRACE	7.0
85	4.0	6.1	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.4	.7	6.1
86	.6	3.6	.3	TRACE	TRACE	.2	.0	.0	.0	.0	.8	2.0	3.6
MEAN	4.26	4.85	3.92	1.12	TRACE	.00	.00	.00	.00	.07	.31	4.06	9.42
S.D.	4.106	3.554	5.152	2.424	.000	.000	.000	.000	.000	.356	.657	4.354	4.873
TOTAL OBS	1023	932	1123	986	992	929	961	961	930	992	946	1051	11726

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 42-44, 48-74, 81-86

TOTAL MONTHLY SNOWFALL IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
						-M-O-N-T-H-S-							
42										.0		9.5	
43	8.3	2.6	4.1	*TRACE	.0	*.0	.0	.0	.0	.0	TRACE	2.1	*17.1
44	.1	6.2	5.4	*.4									
48											*.0	7.6	
49	5.5	7.8	4.4	TRACE	.0	.0	.0	.0	.0	.0	1.0	1.2	19.9
50	5.1	9.2	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	.2	.0	.0	.0	.0	.0	.0	TRACE	.1	32.6
53	7.7	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	35.1	TRACE	.0	.0	.0	.0	.0	.0	TRACE	5.8	57.8
57	13.8	4.2	18.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.6	40.0
58	1.0	17.5	5.7	5.7	.0	.0	.0	.0	.0	.0	TRACE	9.6	39.5
59	1.4	2.6	12.9	TRACE	.0	.0	.0	.0	.0	.0	TRACE	6.8	23.7
60	8.0	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	.7	.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	34.8	3.9	2.7	.1	.0	.0	.0	.0	.0	.0	TRACE	TRACE	41.5
66	13.3	8.1	6.3	TRACE	.0	.0	.0	.0	.0	.0	.0	3.0	30.7
67	TRACE	30.6	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	3.8	22.3
69	.9	16.9	16.8	TRACE	.0	.0	.0	.0	.0	TRACE	.1	14.4	48.7
70	15.3	9.5	19.2	TRACE	.0	.0	.0	.0	.0	TRACE	.0	29.0	73.0
71	16.5	2.3	1.0	4.3	.0	.0	.0	.0	.0	.0	2.2	5.5	31.7
72	2.5	12.0	2.5	1.0	.0	.0	.0	.0	.0	TRACE	.3	5.2	24.1
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								

NOTE * (BASED ON LESS THAN FULL MONTHS)

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 42-44, 48-74, 81-86

TOTAL MONTHLY SNOWFALL IN INCHES

-M=0 -N=T -H=S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
81												*6.7	
82	15.1	4.9	1.5	11.2	.0	.0	.0	.0	.0	.0	TRACE	11.8	44.5
83	.6	23.9	TRACE	TRACE	.0	.0	.0	.0	.0	.0	.0	1.6	26.1
84	7.5	TRACE	16.5	.4	.0	.0	.0	.0	.0	.0	.1	TRACE	24.5
85	11.1	10.3	TRACE	TRACE	.0	.0	.0	.0	.0	.0	1.4	1.0	23.8
86	.8	9.9	.5	TRACE	TRACE	.0	.0	.0	.0	.0	.8	3.6	15.6
MEAN	9.15	10.62	7.38	1.29	TRACE	.00	.00	.00	.00	.07	.39	7.15	37.20
S.D.	8.824	9.555	9.520	2.641	.000	.000	.000	.000	.000	.356	.882	7.570	16.162
TOTAL OBS	1023	932	1023	986	992	929	961	961	930	992	946	1051	11726

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH
FROM SUMMARY OF DAY DATA

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 42-44, 48-74, 81-

AMOUNTS IN INCHES

MONTH	NONE	TRACE	1	2	3	4 TO 6	7 TO 12	13 TO 24	25 TO 36	37 TO 48	49 TO 60	61 TO 120	OVER 120	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS MEAN	GREATEST	LEAST
JAN	63.5	9.3	7.2	5.9	3.5	5.4	3.3	1.9						27.2	1023			
FEB	58.6	11.2	6.9	5.6	5.4	4.7	4.0	2.3						30.3	932			
MAR	80.3	4.9	3.7	1.7	1.2	3.1	3.4	1.1	.7					14.9	1023			
APR	96.6	1.6	.5	.4		.3	.2							1.4	988			
MAY	100.0														992			
JUN	100.0														930			
JUL	100.0														961			
AUG	100.0														961			
SEP	100.0														930			
OCT	99.9		.1											.1	992			
NOV	98.6	.6	.4	.1										.5	946			
DEC	77.8	4.7	5.3	5.2	1.9	2.8	2.0	.3						17.5	1053			
ANN	89.6	2.7	2.2	1.5	1.1	1.4	1.1	.5	.1					7.7	11731			

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725000 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 42-44, 48-74, 81-86

DAILY SNOW DEPTH IN INCHES

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42										0		6	
43	8	7	5	TRACE	0	0	0	0	0	0	0	1	8
44	2	*	7	*[illegible]									
46											*0	8	
49	3	[illegible]	6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	TRACE	6
50	2	[illegible]	1	*[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	3	3
51	TRACE	14	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	1	14
52	4	11	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	TRACE	TRACE	11
53	3	[illegible]	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	0	3
54	13	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	13	13
56	[illegible]	4	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	1	2	4
58	9	1	33	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	4	33
59	4	4	7	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	TRACE	7
60	TRACE	9	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	7	9
69	TRACE	1	4	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	4	4
60	4	1	34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18	34
61	15	21	9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	2	23
62	7	13	1	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	0	4	13
63	1	[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	12	12
64	20	14	11	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	0	3	20
65	14	[illegible]	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14
66	[illegible]	[illegible]	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	5
67	[illegible]	14	1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3	14
68	4	1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4
69	TRACE	[illegible]	14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	4	14
70	8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	8
71	12	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1	1	12
72	1	[illegible]	TRACE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	1	5
73	[illegible]	1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	TRACE	13
74	10	4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible] (ALL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH
(FROM DAILY OBSERVATIONS)

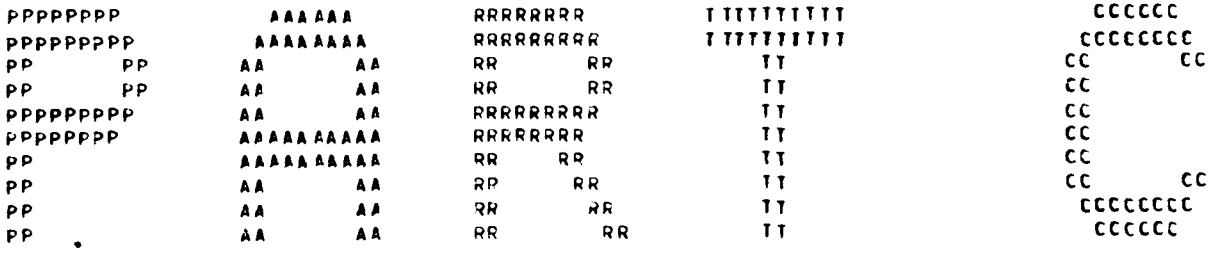
STATION NUMBER: 72506 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 42-44, 48-74, 81-86

DAILY SNOW DEPTH IN INCHES
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
81												*6	
82	6	.	1	11	0	0	0	0	0	0	0	9	11
83	TRACE	1	-	-	-	0	0	0	0	0	0	4	15
84	4	TRACE	7	-	-	0	0	0	0	0	-	0	7
85	3	6	TRACE	2	1	0	0	0	0	0	TRACE	1	8
86	1	4	TRACE	0	0	0	0	0	0	0	TRACE	1	4
MEAN	5.2	8.1	5.5	.0	.0	.0	.0	.0	.0	.0	.1	3.7	11.6
S.D.	5.218	5.036	6.247	2.032	.000	.000	.000	.000	.000	.177	.427	4.239	7.686
TOTAL OBS	1025	932	1123	989	997	930	961	962	930	992	946	1053	11731

NOTE * (BASED ON LESS THAN FULL MONTHS)


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SURFACE WIND SUMMARIES

EXTREME VALUES OF PEAK WINDS

DATA DERIVED FROM SUMMARY OF DAY DATA.

VALUES PRESENTED BY INDIVIDUAL MONTH AND YEAR WITH ALL YEARS COMBINED.

SPEEDS PRESENTED IN KNOTS.

DIRECTIONS PRESENTED IN 16 COMPASS POINTS FROM BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968. COMMENCING JULY 1968 DIRECTIONS PRESENTED IN TENS OF DEGREES.

AN ASTERISK "*" IN THE TABLES INDICATES THAT THE VALUE IS BASED ON AN INCOMPLETE MONTH OF THREE OR MORE MISSING DAYS.

MEANS AND STANDARD DEVIATIONS PRESENTED DO NOT INCLUDE INCOMPLETE MONTHS. FOUR OR MORE MONTHS ARE NEEDED TO COMPUTE THESE STATISTICS AND INCOMPLETE MONTHS ARE NOT INCLUDED.

TABLES ALSO INCLUDE THE OBSERVATION COUNTS.

BIVARIATE PERCENTAGE FREQUENCY TABULATIONS OF SURFACE WINDS

DATA DERIVED FROM HOURLY DATA.

PRESENTED ARE THE PERCENTAGE FREQUENCY OF WIND DIRECTION TO 16 COMPASS POINTS, CALM AND VARIABLE VERSUS WIND SPEED IN KNOTS IN INCREMENTS OF BEAUFORT CLASSIFICATIONS.

PERCENTAGES ARE SHOWN BY BOTH DIRECTIONS AND SPEED, AND IN ADDITION THE MEAN WIND SPEED IN GIVEN FOR EACH DIRECTION.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED)..

A SEPARATE ANNUAL TABLE PRESENTS THE SAME BIVARIATE DISTRIBUTIONS WITH IMPOSED CEILING/VISIBILITY LIMITATIONS: WHEN VISIBILITIS EQUAL TO OR GREATER THAN 1/2 MILES, THE CEILINGS ARE 200 TO 1400 FEET AND/OR WHEN THE CEILING IS EQUAL TO OR GREATER THAN 200 FEET, THE VISIBILITIES ARE 1/2 THROUGH 2 1/2 MILES.

A PERCENTAGE VALUE OF ".0" IN THESE TABLES INDICATES ONE OR MORE OCCURRENCES AMOUNTING TO LESS THAN .05%.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SURFACE WINDS
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725805 STATION NAME: PITTSFIELD MA PERIOD OF RECORD: 51-52, 58-74, 80

DAILY PEAK GUSTS IN KNOTS
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
51										NNE 43			
52	NNE 56	NNE 54	NNE 46	ESE 41	SSW 47	WNW 32	SW 38						
58						SW 38	W 31	S 36	SSW 33	SSW 32	SSE 44	WSW 37	
59	SW 46	SW 47	SW 45	SE 37	WSW 37	ENE 28	SSE 38	ENE 29	NNE 40	WSW 42	NNE 42	SW 51	SW 51
60	SW 47	SE 43	NE 44	SW 41	W 39	ESE 37	SW 42	N 32	S 73	SSE 30	WSW 37	NNE 54	S 73
61	N 42	NNE 42	SE 44	SW 37	E 39	SSW 36	SW 29	SW 39	ENE 45	NNE 43	WNW 37	SSW 35	NNE 46
62	SSW 37	NNE 34	SE 34	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 34	N 47	W 47	WSW 35	W 31	SW 39	NE 41	SW 36	NW 37	SE 47	NNW 45	N 50
65	NE 44	SE 35	W 42	ENE 37	NNE 32	N 38	WSW 31	SW 40	SW 34	WSW 38	W 40	NNE 46	ENE 46
66	W 51	W 38	WNW 42	WSW 29	W 33	SE 24	WSW 39	WSW 32	SW 36	NW 34	SE 45	W 46	W 51
67	SW 35	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	SW 47	SE 32	NW 40	SSE 47	SW 41	SW 35	27/ 31	22/ 34	24/ 34	23/ 36	34/ 55	26/ 43	34/ 55
69	29/ 45	36/ 49	6/ 45	24/ 51	22/ 50	19/ 35	27/ 32	23/ 37	35/ 36	29/ 37	27/ 37	16/ 40	24/ 51
70	29/ 38	19/ 37	3/ 31	27/ 37	21/ 31	27/ 31	19/ 30	30/ 43	22/ 34	20/ 35	1/ 50	1/ 45	18/ 57
71	24/ 46	22/ 42	24/ 47	6/ 48	21/ 41	1/ 31	27/ 33	27/ 45	2/ 26	16/ 47	10/ 52	21/ 43	24/ 65
72	24/ 46	22/ 38	21/ 42	21/ 36	2/ 42	23/ 36	29/ 32	19/ 29	31/ 51	30/ 37	16/ 46	30/ 48	22/ 53
73	15/ 43	2/ 44	1/ 44	3/ 35	13/ 35	36/ 33	35/ 46	18/ 25	24/ 37	10/ 32	27/ 39	24/ 43	36/ 46
74	24/ 47	22/ 42	23/ 51	22/ 38	24/ 36								
80			24* 61	6/ 50	1/ 46	22/ 37	15/ 28	21/ 39	25/ 51	28/ 46	2/ 54	3/ 52	
MEAN	45.4	46.4	45.5	42.4	37.9	32.9	33.0	35.7	39.0	38.1	44.0	44.9	54.5
S.D.	6.274	8.7	5.921	7.445	7.506	3.954	5.456	5.720	10.983	6.067	7.159	5.721	6.937
TOTAL OBS	527	431	547	547	557	540	557	527	510	556	510	527	6377

NOTES * (BASED ON LESS THAN FULL MONTHS)
& (BASED ON LESS THAN FULL MONTHS AND <100 KNOTS)

GLOBAL CLIMATOLOGY BRANCH   PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC   FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060   STATION NAME: OTIS ANGB MA   PERIOD OF RECORD: 77-86
MONTH: JAN   HOURS(LST): 0000-0200

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
					WIND SPEED IN KNOTS								
N	.2	1.6	2.2	2.2	.1							6.3	9.4
NNE	.1	.6	.4	.4	.3	.1						2.0	11.2
NE	.2	1.2	1.2	.4	.4	.1						3.4	9.6
ENE		1.7	1.0	.5	.2	.1						3.4	9.4
E	.2	.5	.3	.5								1.6	6.4
ESE	.2	.3	.4	.7		.1						1.7	10.5
SE	.1	.2	.7	.3	.4	.1						1.9	11.9
SSE				.2	.1	.1						.4	16.5
S		.2	.9		1.1							2.2	13.7
SSW		.2	.3	.2	.3	.1						1.2	13.5
SW		.3	.1	.7	.1							1.2	11.5
WSW	.2	.5	.9	1.9	.9							4.6	11.7
W	.3	2.9	4.9	5.2	1.7	.4						15.4	11.2
WNW	.1	3.8	6.1	3.5	.9	.1						14.5	9.8
NW	.2	2.4	4.6	2.6	.9							10.7	10.1
NNW	.7	2.7	3.4	2.7	.3							10.4	8.7
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	19.2	//////
TOTALS	2.6	15.5	27.3	22.2	7.9	1.3						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	2.3	2.2	.7	.3							5.9	7.9
NNE		.7	.8	1.3	.3	.1						2.8	12.6
NE	.1	.5	.9	.9	.8							3.2	11.6
ENE		.7	1.0	.3	.2							2.2	9.3
E	.2	.4	.3	.7								1.6	8.3
ESE	.1	.5	.2	.7	.1							1.6	9.7
SE	.1	.3	.7	.5	.2	.3						2.2	12.3
SSE	.2	.2	.1	.3	.1	.3						1.3	13.0
S		.7	.4	.1	.5							1.7	11.3
SSW		.3	.4		.2	.2						1.2	12.6
SW	.1	.5	.3	.4	.2							1.6	9.8
WSW	.2	.3	1.6	1.7	.4							4.4	11.2
W	.1	2.1	4.0	3.7	2.1	.2						13.2	11.1
WNW	.1	4.1	4.7	2.8	1.1							12.9	9.6
NW	.4	2.3	5.1	3.9	.8							12.5	10.0
NNW	.3	3.3	4.7	2.7	.2							11.2	8.7
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	20.4	//////
TOTALS	2.5	30.0	27.5	20.8	7.6	1.2						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	1.5	2.6	1.4	.2							6.4	8.7
NNE		.2	.5	.6	1.0							2.4	13.6
NE		.4	.5	.5	.6	.1						2.3	12.9
ENE		.2	1.2	.5	.1							2.1	10.6
E	.3	.2	1.2	.5	.1							2.4	9.2
ESE		.4	.9	.3		.1						1.7	10.4
SE	.3	.9	.5	.4	.1							2.3	8.2
SSE		.4	.6	.3	.1	.3						1.8	12.1
S		.9	1.2	.2	.3							2.6	8.8
SSW	.1	.2	.3	.1	.2	.3						1.3	13.8
SW		.2	.6	.6	.4		.1					2.1	13.7
WSW	.2	.8	1.0	1.2	.4							3.6	10.7
W	.6	3.8	4.2	3.3	2.3	.2						14.6	10.5
WNW	.2	3.6	4.0	2.4	1.3							11.4	9.8
NW	.5	2.4	5.4	3.7	.8							12.7	9.8
NNW	.2	3.9	4.4	2.7	.1							11.2	8.8
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	19.2	//////
TOTALS	3.0	19.9	29.5	19.0	8.1	1.2	.1					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	2.5	2.4	2.7	.2	.1						8.2	9.3
NNE	.1	.5	1.0	.9	1.5							3.9	13.1
NE		.2	.4	1.1	.4							2.2	13.2
ENE		.4	.6	.3	.3	.2						2.4	12.7
E	.1	.9	.6	.9	.1							2.6	9.2
ESE	.2	.3	.6	.8	.2							2.2	10.4
SE	.1	.5	.5	.3	.3							1.8	9.6
SSE	.2	1.1	.5	1.3	.2							3.3	9.7
S		.6	1.4	.5	.2							2.8	9.9
SSW		.5	.2	.3	.3		.3					1.7	14.3
SW	.1	.3	1.0	1.1	.8	.1	.1					3.4	13.4
WSW	.1	.9	1.5	1.7	.6	.1						4.9	11.7
W	.2	2.5	4.9	5.2	2.5							15.3	[illegible]
WNW	.2	2.4	4.2	4.8	1.9	.1						13.7	11.3
NW	.5	1.5	3.2	3.7	1.9							10.9	11.4
NNW		1.1	5.7	4.6	.6							12.0	10.8
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	8.8	//////
TOTALS	2.3	16.2	28.9	30.4	12.3	.6	.4					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	1.1	3.0	2.0	.9							7.3	10.9
NNE		.5	2.0	1.8	.4	.1						5.0	11.3
NE	.2	.9	1.6	1.7	.4	.2	.1					5.1	11.6
ENE		.6	.3	.6	.1	.5						2.4	12.6
E	.1	.6	.5	.4	.2							1.9	9.5
ESE	.1	.5		1.5	.1	.3						2.6	13.2
SE	.3	.2	.6	.8	.1							2.0	10.2
SSE		.7	.3	.4	.5							1.6	12.8
S	.2	1.2	1.7	1.0	.6							4.7	10.0
SSW		.9	1.1	1.1	.2	.1						3.3	10.9
SW		.1	.9	2.0	1.0	.3						4.3	14.6
WSW		.5	1.5	2.5	1.2	.7	.1					6.0	13.1
W		1.1	7.2	7.4	1.9	.6						18.3	12.3
WNW	.1	1.7	4.3	4.0	1.8	.2						12.2	11.7
NW		1.3	4.3	2.6	1.9	.2						10.6	12.1
NNW	.1	.4	2.5	3.5	.8							7.2	11.7
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	5.3	//////
TOTALS	1.5	12.1	32.8	37.7	12.3	2.5	.2					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N		2.4	2.5	1.6	.2	.1						6.8	8.9
NNE	.4	1.2	1.2	1.1	.4	.1						4.4	9.3
NE	.1	1.6	1.5	1.1	.4	.3						5.1	10.6
ENE	.1	1.0	1.1		.1		.1					2.4	8.2
E	.8	1.1	.9	.5	.1	.3						3.7	8.8
ESE		.4	.4	.8	.5	.1						2.3	12.6
SE	.1	.2	.6	.6	.2							1.8	11.2
SSE		1.0	.4	.4	.3							2.2	9.3
S	.2	.6	1.1	1.0	.5	.1						3.5	11.1
SSW	.1	.1	.9	1.1	.2	.1						2.5	11.6
SW	.2	1.1	1.3	1.3	.9	.3						5.1	12.1
WSW		1.7	2.5	1.8	1.2							7.2	10.8
W	.3	3.0	5.3	5.2	2.2	.1	.1					16.1	11.2
WNW	.3	2.0	4.2	4.6	1.4							12.6	11.0
NW		2.3	3.5	4.0	1.9							11.7	11.3
NNW	.1	.4	2.6	2.2	.5	.1						5.9	11.5
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	6.9	//////
TOTALS	2.8	20.1	29.9	27.2	11.2	1.7	.2					100.0	10.0

TOTAL NUMBER OF OBSERVATIONS: 936

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	2.6	1.7	.4	.1	.1						5.2	7.7
NNE	.4	1.0	1.1	.5	.6	.6						4.3	11.8
NE	.1	.5	.9	.9	.1							2.5	10.0
ENE	.2	.6	1.0	.4	.2							2.5	9.0
E	.4	.4	1.3	.3	.1							2.6	7.8
ESE	.2	.2	.6	.8	.3	.1						2.3	11.9
SE		.1	.5	.6	.2							1.5	11.9
SSE	.2	.2	.5	.2	.2							1.4	9.5
S		.3	1.0	.8	.9							2.9	12.7
SSW	.1	.3	.4	1.4		.1						2.4	11.6
SW	.2	.5	.9	1.0	.6							3.2	11.5
WSW		.9	1.4	1.7	.5	.1						4.6	11.6
W	.2	3.4	3.2	4.4	1.3	.3	.1					13.0	11.0
WNW	.4	3.5	4.7	4.4	1.6	.3						15.1	10.6
NW	.1	2.8	3.3	2.6	1.0	.1						9.9	10.1
NNW	.1	1.5	1.9	1.8	.4							5.8	10.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	21.0	//////
TOTALS	3.0	19.0	24.5	22.3	8.3	1.8	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N		2.2	2.7	1.3	.1							6.2	8.9
NNE		.5	.2	.6	.2	.5						2.2	14.1
NE	.2	.8	.4	.3	.4	.2						2.4	10.9
ENE	.1	.5	1.2	.2	.3							2.4	9.5
E	.3	.6	.6	1.2	.2							3.0	9.6
ESE		1.0	.1	.4	.3	.2						2.0	10.7
SE		.1	.4	.2	.2							1.0	12.1
SSE	.1	.4	.1	.3	.2							1.2	10.2
S	.1	.4	.5	.3	.8	.1						2.3	12.9
SSW		.1	1.1	.6	.2							2.2	12.1
SW		.1	.5	.6	.9							2.2	14.3
WSW		1.0	.5	1.8	1.3	.1						4.7	13.1
W		3.4	4.6	5.0	1.5	.1	.1					14.7	11.0
WNW	.1	5.3	5.1	4.2	.9							15.5	9.5
NW	.2	1.8	3.2	3.4	1.3							10.0	11.0
NNW	.1	3.1	3.0	2.2	.1	.3	.1					8.9	9.7
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	19.2	//////
TOTALS	1.3	21.4	24.4	22.9	8.9	1.6	.2					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	2.0	2.4	1.6	.3	.0						6.5	9.0
NNE	.1	.6	.9	.9	.6	.2						3.4	11.9
NE	.1	.7	.9	.9	.5	.1	.0					3.2	11.2
ENE	.1	.7	.9	.5	.2	.1	.0					2.4	10.1
E	.3	.6	.7	.6	.1	.0						2.4	8.9
ESE	.1	.5	.4	.7	.2	.1						2.1	11.3
SE	.1	.3	.6	.5	.2	.1						1.8	10.8
SSE	.1	.5	.7	.4	.2	.1						1.7	11.0
S	.1	.6	1.0	.5	.6	.0						2.8	11.1
SSW	.0	.3	.6	.6	.2	.1	.0					2.0	12.2
SW	.1	.4	.7	1.0	.6	.1	.0					2.9	12.8
WSW	.1	.9	1.4	1.8	.8	.1	.0					5.0	11.7
W	.2	2.9	4.8	4.9	1.9	.3	.0					15.1	11.2
WNW	.2	3.3	4.7	3.8	1.4	.1						13.5	10.4
NW	.3	2.1	4.1	3.3	1.3	.0						11.1	10.7
NNW	.2	2.1	3.5	2.8	.4	.1	.0					9.1	9.8
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	15.0	//////
TOTALS	2.4	18.5	28.0	24.8	9.6	1.6	.2					100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 7436

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 0000-0200

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
	WIND SPEED IN KNOTS												
N	.8	1.3	3.0	2.0	1.1	.1						8.3	10.5
NNE	.2	.2	1.2	1.2	.6							3.4	12.1
NE	.1	.4	.5	.2	.8							2.0	12.1
ENE		.6	1.3	.4								2.2	8.5
E	.2	.5	.7	1.2								2.6	9.9
ESE		.4	.4	.1								.8	7.6
SE	.1	.7	1.7	.6	.1							3.2	9.2
SSE	.1	.6	.2	.9	.2							2.1	10.6
S	.1	.2	.4	1.3	.4							2.4	11.9
SSW	.1	.4	.6			.1						1.2	8.8
SW		.4	.5	.6	.4							1.8	11.3
WSW	.1	1.2	1.1	1.1	.4							3.8	9.9
W	.5	2.8	3.3	2.4	.5	.1						9.6	9.2
WNW	.5	1.9	5.2	2.8	.6							11.0	9.7
NW	.2	3.3	3.5	2.6	.5							10.2	9.3
NNW	.5	4.0	4.6	3.0	1.1	.2						13.4	9.7
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	22.1	//////
TOTALS	3.7	16.8	28.0	20.3	6.5	.6						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.7	3.1	1.9	1.1	.2						8.2	10.8
NNE		.6	.8	.9	.7							3.1	12.0
NE		.9	.6	.5	.6	.1						2.7	11.2
ENE	.2	.7	1.1	.6	.1							2.7	8.7
E	.1	.4	.2	1.5								2.2	10.7
ESE		.1	.6	.2								.9	8.8
SE			.7	.7								1.4	11.7
SSE	.2	.4	.6	.6	.4							2.1	10.7
S		.6	1.4	.1	.9	.1						3.2	12.0
SSW		.2	.2	.1								.6	8.0
SW		.4	.1	.1	.7							1.3	13.4
WSW	.1	.5	1.1	1.7	.2							3.5	10.7
W	.4	3.2	2.8	1.7	.1							8.2	8.1
WNW	.1	2.6	5.6	2.2								10.5	9.0
NW	.4	4.0	5.6	3.8	.5							14.2	9.3
NNW	.6	3.5	2.8	3.1	.8	.1						11.0	9.7
VARIABLE													
CALM	//////////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	24.1	//////
TOTALS	2.4	19.7	27.3	19.7	6.1	.6						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	.9	2.4	1.8	.8							6.4	10.5
NNE		.7	1.2	1.7	.4	.4						4.3	12.0
NE	.2	.8	.4	.4	.4	.1						2.2	9.8
ENE	.2	1.2	1.1	1.4	.1							4.0	9.4
E	.2	.5	.6	1.1								2.4	9.6
ESE		.5	.6	.2								1.3	8.5
SE		.1	.9	.5	.1							1.7	10.8
SSE	.2	.4	.6	.5	.4							2.0	10.1
S		.7	.9	.7	.1	.1	.1					2.7	11.2
SSW	.1	.4	.4	1.1		.1						2.0	10.8
SW		.6	.2	.6	.4							1.8	11.3
WSW	.1	.7	.9	1.2								3.0	9.7
W	.1	3.5	3.5	1.4	.2	.1						9.0	8.2

WNW	.4	2.4	4.6	3.3	.9			11.6	9.9
NW	.5	4.1	5.4	3.0	.1	.4		13.5	9.2
NNW	.2	3.4	4.4	3.5	.4	.4		12.3	9.9
VARIABLE									
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	20.0	//////
TOTALS	2.8	20.9	28.1	22.2	4.3	1.5	.1	100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	1.4	3.2	3.7	.7	.6						9.7	11.7
NNE		.5	1.7	1.3	.8	.5						4.7	13.1
NE		1.3	1.3	.9	.4	.4						4.3	10.6
ENE		1.2	1.2	1.8	.2	.2						4.6	10.4
E	.1	.9	.6	.9	.2							2.8	9.3
ESE		.1	1.1	.9	.2							2.4	10.0
SE		.1	1.1	.8								2.0	11.0
SSE	.1	.4	.8	.9	.2	.1						2.6	11.5
S		.5	1.5	.9								3.0	9.6
SSW		.5	.7	1.1	.6							2.9	12.5
SW	.1	.2	1.1	.9		.1						2.5	10.0
WSW		.9	1.4	2.6	.9	.5	.1					6.5	13.1
W	.2	1.3	4.6	2.1	.6							8.9	10.0
WNW	.4	1.3	4.0	5.1	.9	.1						11.8	11.1
NW	.2	1.7	4.6	5.2	1.4	.4						13.5	11.8
NNW		.7	3.8	3.9	1.1	.4						9.8	12.1
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	8.2	//////
TOTALS	1.3	18.0	32.6	33.2	8.4	3.2	.1					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N		1.1	3.1	3.6	1.7	.5	.1					10.2	12.9
NNE	.2	.6	2.1	2.4	1.2							6.5	12.1
NE		.6	1.8	1.8	.4							4.5	11.1
ENE	.1	.6	.8	.8	.5	.1	.1					3.1	12.4
E		.7	.8	.8	.1		.1					2.6	10.2
ESE		.4	.8	1.1	.1	.2						2.6	12.3
SE	.1	.5	.8	1.4	.1							3.0	10.6
SSE	.1	.1	.4	.9	.4							1.9	12.1
S	.4	.2	1.4	1.3	.1	.4						3.8	11.6
SSW		.5	1.1	1.1	.4	.1						3.1	11.7
SW		.5	.7	1.3	.4	.1						3.0	12.4
WSW	.1	1.2	3.3	4.3	1.9	.4						11.1	12.6
W	.1	2.0	4.0	3.8	.7							10.6	10.3
WNW	.4	2.0	4.6	4.5	.5							11.9	10.5
NW		.8	3.1	5.1	1.3	.5						10.8	12.8
NNW		.5	2.0	3.0	.8	.1						6.4	12.7
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	5.1	//////
TOTALS	1.5	12.2	30.9	37.2	10.4	2.4	.4					100.0	11.2

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.4	2.7	3.2	1.1	.2	.1					9.0	11.5
NNE	.1	1.1	2.0	1.5	1.2	.1						6.0	11.9
NE	.1	1.1	1.8	2.0	.9							5.9	11.2
ENE		.9	1.2	.4	.2		.2	.1				3.1	12.0
E		.6	1.5	.2	.5							2.8	9.8
ESE		.4	1.2	.8		.1	.1					2.6	11.6
SE		.9	.7	.7	.4							2.7	10.0
SSE	.1		1.3	.4	.1							1.9	9.7
S	.1	2.2	1.2	.8	.4							4.7	8.4
SSW	.2	.5	2.5	1.1	.2							4.5	9.7
SW		.9	1.9	1.4	.7							5.0	11.0
WSW	.2	1.2	4.1	3.3	1.7	.2	.1					10.9	11.8
W	.2	2.0	4.1	3.1	1.4							10.9	10.7
WNW	.1	1.5	3.8	4.3	.7							10.2	11.0
NW	.1	.7	3.2	3.8	.9	.2						9.0	12.4
NNW		.2	2.2	1.9	1.7							6.0	13.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	4.8	//////
TOTALS	1.7	15.7	35.5	28.6	12.1	.9	.6	.1				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.8	2.0	2.4	.5	.1	.1					7.1	10.6
NNE	.2	.9	1.5	1.2	.7	.1	.1					4.8	11.4
NE	.1	.5	1.1	1.1	.1	.1	.1					3.1	11.5
ENE	.2	.9	.7	.5	.1			.2				2.7	10.7
E	.4	1.8	.6	.1	.2							3.1	6.4
ESE	.1	.7	1.1	.6	.1	.2						2.8	10.5
SE	.5	1.1	.5	.2	.4							2.6	7.4
SSE	.4	.9	1.1	.2	.1							2.7	7.3
S	.4	.7	1.7	.1								2.8	7.3
SSW	.2	.7	1.4	.6	.5							3.4	10.2
SW	.1	.9	1.8	1.1	.2							4.1	9.7
WSW	.2	1.9	2.4	2.4	.1							7.0	9.4
W	.4	4.3	3.9	2.4	.6	.1						11.6	9.0
WNW	.4	2.8	2.8	2.0	.4	.1						8.5	9.2
NW	.1	2.4	3.0	2.7	.7	.4						9.2	10.4
NNW	.2	2.1	1.5	2.4	1.2	.2						7.7	11.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	16.7	//////
TOTALS	4.1	24.5	27.0	19.9	5.9	1.4	.4	.2				100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	2.4	2.4	2.1	.6	.2						8.2	9.7
NNE	.2	.5	1.2	1.7	1.1	.2						4.8	12.8
NE	.2	1.3	.6	.7	.5	.1						3.4	9.7
ENE		1.3	1.1	.2	.1							2.7	7.7
E	.6	.4	.4	.7			.1	.1				2.2	10.6
ESE		1.1	.9	.1		.1						2.2	7.8
SE		.7	.4	1.1	.4	.2						2.7	12.1
SSE	.4	.6	.5	.2	.4							2.0	8.3
S	.1	.4	1.5	.2	.1							2.4	9.2
SSW	.1	.5	.6		.5							1.7	10.1
SW	.1	.5	.2	.3	.1							1.8	10.3
WSW		1.5	1.7	1.5	.2							5.0	9.5
W	.4	4.1	2.8	4.1	.5							11.9	9.4
WNW	.2	2.6	4.6	2.4	.9							10.8	9.8
NW	.4	1.1	2.2	2.7	.6							7.0	10.5
NNW	.6	2.6	3.0	2.7	1.1							9.9	9.9
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	21.3	//////
TOTALS	3.8	21.4	24.0	21.4	7.0	.5	.1	.1				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	1.9	2.7	2.6	.9	.2	.0					8.4	11.1
NNE	.1	.6	1.5	1.5	.8	.2	.0					4.7	12.2
NE	.1	.9	1.0	.9	.5	.1	.0					3.5	10.9
ENE	.1	.9	1.0	.8	.2	.0	.0	.0				3.1	10.1
E	.2	.7	.7	.3	.1		.0	.0				2.6	9.5
ESE	.2	.4	.8	.5	.1	.1	.0					2.0	10.4
SE	.1	.5	.8	.3	.2	.0						2.4	10.2
SSE	.2	.4	.7	.6	.3	.0						2.2	10.0
S	.1	.7	1.3	.7	.3	.1	.0					3.1	10.1
SSW	.1	.4	.9	.6	.3	.0						2.4	10.6
SW	.2	.5	.8	.9	.4	.0						2.6	10.9
WSW	.1	1.1	2.0	2.2	.7	.1	.0					6.3	11.3
W	.3	1.9	3.6	3.6	.6	.0						10.1	9.4
WNW	.3	2.1	4.4	3.3	.6	.0						10.8	10.1
NW	.2	2.3	3.8	3.6	.8	.2						10.9	10.6
NNW	.3	2.1	3.0	2.9	1.0	.2						9.6	10.7
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	15.3	//////
TOTALS	2.7	16.3	29.2	25.3	7.6	1.4	.2	.1				100.0	9.9

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGR MA

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	2.5	2.9	2.2	.8	.3						9.1	9.8
NNE	.1	.6	1.7	2.0	.9	.2						5.6	12.1
NE	.1	.4	1.3	.8	.6	.3	.3					3.9	13.6
ENE	.1	.2	1.0	.2	.5							2.0	11.0
E	.1	.3	.8	.4	.5	.1						2.3	12.2
ESE		.3			.1							.4	8.5
SE	.1	1.4	.1	.9	.5							3.0	10.0
SSE	.1	.4	.3	.8	.2							1.8	10.7
S	.1	1.0	1.7	1.3								4.1	9.3
SSW	.2	.4	1.2	1.2	.4							3.4	10.7
SW		1.5	2.7	1.1	.5							5.8	9.6
WSW	.2	1.3	2.4	1.9	.5							6.4	10.4
W	.3	2.3	3.9	1.8	.3							8.6	9.2
WNW	.2	2.6	3.4	1.9	1.0							9.1	9.9
NW	.2	1.7	2.9	1.9	.9	.4						8.1	10.7
NNW	.4	2.2	2.2	1.4	.9	.1						7.1	9.7
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	19.2	//////
TOTALS	2.9	19.2	28.4	19.8	8.7	1.5	.3					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	1.4	3.5	2.4	1.3							8.7	11.1
NNE	.1	1.1	1.0	1.3	1.1	.6	.2					5.4	13.9
NE	.1	.2	1.4	1.3	.1	.3	.1					3.5	12.5
ENE	.1	.5	1.1		.5							2.3	9.6
E		.2	.8	.1	.9	.1						2.0	14.1
ESE	.1	1.0	.3	.1	.2							1.7	7.9
SE		.2	.1		.4	.2						1.0	15.4
SSE	.1	.3		.5	.4							1.4	12.5
S	.1	.9	1.0	1.6								3.5	9.8
SSW		.4	.5	.8	.6							2.4	12.5
SW		1.8	2.5	.5	.2	.2						5.3	9.0
WSW	.1	1.7	1.5	2.0	.4							5.8	10.0
W	.4	2.8	3.7	3.2	.1							10.2	9.3
WNW		2.3	2.4	1.9	.3							6.9	9.5
NW	.1	2.6	3.2	1.0	.3	.3						7.5	9.2
NNW	.1	2.0	3.1	1.6	.8							7.6	9.5
VARIABLE													
CALM	////	////	////	////	////	////	////	////	////	////	////	24.7	//////
TOTALS	1.5	19.5	26.0	18.4	7.7	1.9	.3					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	1.4	4.6	3.2	1.0	.2						11.1	10.9
NNE	.1	.8	.9	2.4	.8	.6						5.5	13.6
NE	.1	1.1	.5	.6	.2	.3						2.9	10.8
ENE	.2	.1	.9	.5	.5		.1					2.4	12.6
E	.1	.5	1.3	.5	.2	.3	.1					3.0	11.1
ESE		.5	.3	.4	.3							1.6	10.3
SE	.1	1.1	.3	.1	.1							1.7	7.0
SSE	.1	.2	.6	.4	.1							1.5	9.9
S	.2	1.3	1.4	1.6	.4							4.9	9.7
SSW	.1	.5	.9	1.2	.2							2.9	10.6
SW	.1	.9	1.7	1.5	.3		.1					4.6	10.9
WSW		1.8	2.6	1.0	.2							5.6	9.1
W	.3	1.6	3.2	3.1	.5	.1						8.9	10.6
WNW		1.6	3.1	3.5	.5							8.8	10.8
NW	.3	2.6	2.3	2.3	.4	.1						8.0	9.4
NNW	.1	1.6	3.1	2.0	.8							7.6	10.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	18.9	//////
TOTALS	2.4	17.6	28.0	24.5	6.7	1.6	.3					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
	WIND SPEED IN KNOTS												
N	.3	1.1	1.5	3.5	1.0	.3	.1					7.8	12.4
NNE		.8	3.0	4.0	2.0	.9	.2					10.9	14.0
NE		.5	.8	1.7	.2	.3						3.5	12.4
ENE	.1	.3	1.2	1.7	.4	.1						3.9	12.1
E	.2	.8	1.1	.4	.1	.1	.2					2.9	10.7
ESE		.8	.8	1.0								2.5	9.6
SE		.4	.9	1.1	.2							2.6	10.9
SSE		.8	1.0	.4								2.2	8.4
S	.1	1.1	1.7	1.3	.1	.1						4.4	9.3
SSW	.1	.9	2.7	2.2	.8	.3						6.9	11.7
SW		.6	1.4	1.0	1.5	.5						5.1	13.9
WSW	.1	.9	2.0	2.2	1.5	.4						7.1	12.9
W	.1	1.4	1.2	2.8	1.3							6.8	12.0
WNW	.2	.6	2.9	7.2	1.4	.2						12.6	12.9
NW		.9	2.5	3.3	.5	.3						7.5	12.0
NNW	.3	.5	2.6	3.2	.5	.1						7.3	11.4
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	6.1	//////
TOTALS	1.6	12.3	27.1	37.0	11.6	3.8	.5					100.0	11.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANCB MA

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	.5	1.3	2.9	1.4	.3	.2					6.8	13.9
NNE		1.0	2.7	3.5	1.9	.9	.3					10.3	14.1
NE		1.0	1.8	1.9	.3	.1				.1		5.3	12.1
ENE		.6	1.9	1.1	.3							4.0	10.4
E		1.1	1.2	.2	.3			.1				2.9	9.8
ESE	.1	.5	1.0	.9								2.5	9.4
SE	.2	.1	1.6	1.6								3.5	10.2
SSE		.2	1.7	1.0	.2							3.1	10.7
S	.1	1.5	2.3	1.2	.5							5.6	9.7
SSW		1.1	2.4	2.2	.9		.1	.1				6.7	11.9
SW		1.0	1.9	2.4	.6	.3	.1					6.3	12.5
WSW		.3	2.0	3.3	2.5	.4						8.6	14.4
W	.2	.4	3.3	4.4	2.8	.3						11.5	13.3
WNW		.9	2.7	3.5	1.8	.2						9.1	12.8
NW		.4	1.9	2.9	1.2	.2						6.7	13.3
NNW		.6	1.7	1.8	.2							4.4	11.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	2.7	//////
TOTALS	.8	11.3	31.5	34.8	15.1	2.8	.8	.2		.1		100.0	12.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	.3	1.2	1.7	.8	.8	.1					4.9	14.7
NNE		1.5	2.7	3.3	1.8	.7	.2					9.9	13.0
NE		1.2	2.7	1.3	.4	.1	.1					5.8	10.4
ENE	.2	1.1	2.0	1.1	.1		.3					4.8	10.5
E	.3	1.2	.6	.5	.1	.1						2.9	8.3
ESE	.1	.2	1.3	1.4	.3	.1						3.4	11.9
SE		.9	1.6	1.2	.2							3.9	10.0
SSE	.1	1.4	2.4	.9								4.7	8.3
S	.1	1.9	3.2	.9	.4							6.6	9.1
SSW	.1	.4	2.2	1.7	.9	.1	.1					5.5	12.6
SW		.3	2.8	2.5	.5	.2						6.3	12.2
WSW		.6	3.8	4.9	1.2	.2						10.8	12.5
W		1.0	2.5	2.9	1.7	.6						8.7	13.2
WNW		1.0	1.5	3.5	2.6	.2						8.8	13.8
NW		.5	1.9	3.4	.9	.3						7.1	12.9
NNW		.1	1.0	2.2	.5							3.8	13.2
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	2.0	//////
TOTALS	1.1	13.7	33.3	33.4	12.5	3.1	.9					100.0	11.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	1.1	1.9	2.3	.3	.2	.1					6.4	11.1
NNE	.3	1.3	2.3	1.0	.8	.6						6.2	11.8
NE		1.3	1.6	.3	.3	.2	.1	.1				4.0	11.1
ENE	.2	.8	1.3	.9	.3	.1		.1				3.7	10.8
E		.4	.9	.3	.2	.1						2.4	10.9
ESE	.1	1.0	.8	1.0	.5	.2						3.6	11.8
SE	.4	.9	1.0	.8	.2							3.2	8.7
SSE	.2	1.8	.6	.9								3.6	7.2
S	.2	2.3	1.2	1.2	.2							5.1	8.4
SSW	.2	1.9	1.4	1.4	.4							5.4	9.2
SW	.1	1.8	2.6	1.5	.3	.1						6.5	9.8
WSW	.5	2.9	3.3	2.9	.5	.4						10.2	10.2
W	.1	.8	2.2	2.4	.8							6.1	11.4
WNW		1.4	2.0	2.8	1.6	.1						8.0	12.3
NW	.2	1.1	2.3	2.5	.8	.2						7.0	11.5
NNW	.2	1.0	1.3	2.2	.3	.2						5.2	11.3
VARIABLE													
CALM	////	////	////	////	////	////	////	////	////	////	////	13.7	//////
TOTALS	3.3	21.2	26.6	24.5	7.6	2.6	.2	.2				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	1.4	3.0	1.7	.3		.1					6.7	9.9
NNE	.1	1.4	1.1	1.2	.9	.2						4.8	11.4
NE		.5	1.2	.4	.6	.4	.2	.1				3.6	14.5
ENE		.2	1.2	.5	.3	.2						2.5	12.6
E		.5	.9	.3	.1							1.8	9.2
ESE	.1	.8	.3	.4	.5							2.2	11.0
SE		.6	.4	.6	.2	.1						2.0	10.8
SSE		1.1	.3	1.0	.3							2.7	10.3
S	.2	1.8	2.0	1.1								5.2	8.0
SSW	.1	1.7	1.6	1.0	.3							4.7	9.3
SW	.1	1.1	1.6	1.3	.4							4.5	10.5
WSW	.5	1.5	2.3	1.7	.8							6.8	9.7
W	.1	2.8	2.8	2.2	.6							8.5	9.5
WNW	.3	1.9	3.1	3.0	1.1	.4						9.9	11.3
NW	.2	1.9	2.6	2.2	.8	.3	.1					8.1	10.8
NNW	.2	1.5	1.4	1.9	.3	.2						5.6	10.4
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	20.5	//////
TOTALS	2.2	20.9	25.8	20.6	7.6	1.9	.4	.1				100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	1.2	2.5	2.5	.8	.3	.1					7.7	11.5
NNE	.1	1.0	1.9	2.3	1.3	.6	.1					7.3	13.2
NE	.0	.8	1.4	1.0	.4	.3	.1	.0		.0		4.1	12.1
ENE	.1	.5	1.3	.8	.4	.1	.1	.0				3.2	11.1
E	.1	.6	.9	.4	.3	.1	.0	.0				2.5	10.7
ESE	.1	.6	.6	.6	.3	.0						2.2	10.5
SE	.1	.7	.8	.8	.2	.0						2.6	10.0
SSE	.1	.8	.9	.7	.2							2.6	9.3
S	.1	1.5	1.8	1.3	.2	.0						4.9	9.1
SSW	.1	.9	1.6	1.4	.6	.1	.0	.0				4.7	11.1
SW	.0	1.1	2.2	1.5	.6	.2	.0					5.6	11.1
WSW	.2	1.3	2.5	2.5	1.0	.2						7.7	11.4
W	.2	1.6	2.8	2.9	1.0	.1						8.7	11.1
WNW	.1	1.5	2.6	3.4	1.3	.1						9.2	11.8
NW	.1	1.5	2.4	2.4	.7	.3	.0					7.5	11.2
NNW	.2	1.2	2.0	2.0	.5	.1						6.1	10.7
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	13.5	//////
TOTALS	2.0	16.9	28.3	26.6	9.7	2.4	.5	.1		.0		100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 7437

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	2.3	2.7	1.4		.1	.1					6.8	9.0
NNE	.3	1.1	1.0	1.4	.4			.1				4.4	10.4
NE		1.1		.9	.3							2.3	10.7
ENE	.2	.9	1.2	.7								3.0	8.4
E		.9	1.6	.4								3.1	6.8
ESE		.7	.4	.7	.1	.1						2.0	10.9
SE		.9	.7	.3	.1	.1						2.1	9.2
SSE	.1	1.1	.7	.8								2.7	8.4
S	.6	2.3	1.4	1.3	.1	.1						5.9	7.9
SSW	.8	1.8	.9	.3	.6							4.3	7.9
SW	.1	1.8	1.7	1.3	.1	.1	.1					5.2	9.3
WSW	.7	2.3	2.3	1.3	.3	.2						6.9	8.4
W	.6	3.1	4.0	1.7								9.3	7.8
WNW	.3	1.9	2.2	1.1	.8	.4						6.8	10.5
NW	.4	2.8	1.8	.9								5.9	7.4
NNW	.8	2.3	1.6	.7	.2							5.6	7.4
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	23.7	//////
TOTALS	5.0	27.3	24.3	15.0	3.1	1.2	.2	.1				100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 0300-0500

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
	WIND SPEED IN KNOTS												
N	.3	3.7	2.6	1.8	.2							8.6	8.4
NNE		1.9	1.1	1.6	.6		.3					5.4	11.1
NE	.2	.8	1.4	.8	.6							3.8	10.0
ENE	.2	.4	.8	.3	.1							1.9	9.1
E		1.2	2.1	.4	.1							3.9	8.6
ESE		.7	.6	1.0								2.2	9.6
SE	.1	.7	1.1	.7	.1							2.7	9.3
SSE	.1	.8	.1	.6	.3							1.9	9.5
S	.6	1.3	1.2	1.2								4.3	8.4
SSW	.1	1.1	.9	.3	.1	.1						2.7	8.5
SW	.3	2.2	1.4	1.6	.1		.1					5.8	9.3
WSW	.3	2.0	1.8	1.4	.4							6.0	9.1
W	.9	3.7	3.4	1.2								9.2	7.5
WNW	.4	2.1	2.4	1.0	.6	.2						6.8	9.2
NW	.4	3.3	2.0	1.0								6.8	7.3
NNW	.2	1.6	1.6	.4								3.8	7.7
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	24.3	//////
TOTALS	4.3	27.4	24.6	15.3	3.2	.3	.4					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 0600-0600

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
	WIND SPEED IN KNOTS												
N	.1	3.0	3.2	2.2	.8							9.3	9.6
NNE	.1	.6	2.1	2.3	1.0	.2	.3	.1				6.8	13.9
NE	.2	1.1	2.7	1.4	.6							6.0	10.0
ENE	.1	1.3	.6	.7	.3							3.0	9.2
E	.1	1.0	1.2	1.1								3.4	9.0
ESE		.8	.8	1.0	.1							2.7	9.7
SE	.1	.3	1.7	1.0	.1							3.2	9.8
SSE	.2	.4	.7	.8	.2							2.3	10.3
S	.3	1.1	2.3	1.0	.2							5.0	9.0
SSW	.1	.9	1.4	.8								3.2	8.5
SW	.4	1.4	1.9	1.8	.3	.1						6.0	9.7
WSW	.2	1.8	2.0	2.0	.6							6.6	10.0
W	.4	2.7	4.4	1.4	.7	.1						9.8	9.1
WNW	.1	1.1	3.3	2.2	.4	.3						7.6	10.9
NW	.1	1.2	2.8	2.1	.7							6.9	10.1
NNW	.1	1.4	2.7	1.0								5.2	8.7
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	13.0	//////
TOTALS	2.9	20.2	33.8	27.9	6.0	.6	.3	.1				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N		1.1	2.2	3.1	.4	.4	.2					7.6	12.7
NNE	.1	.7	2.3	3.4	2.3	.7	.3	.1				9.3	14.7
NE	.3	1.1	2.2	3.2	1.3	.2	.1	.1				8.7	12.6
ENE		.4	.7	1.1	.1	.1						2.4	11.0
E		.7	1.1	1.1	.3	.2	.1					3.6	12.1
ESE		.8	1.3	1.6	.1							4.0	10.8
SE	.3	.2	1.3	1.1	.2							3.2	10.6
SSE		.3	1.7	.3	.4							2.8	11.0
S	.1	1.0	2.3	1.9	.4							5.8	10.5
SSW		1.0	1.9	2.1	.1							5.1	10.5
SW		.3	1.8	2.0	1.0							5.1	12.7
WSW		.9	3.7	4.0	1.3	.3						10.2	12.3
W	.1	1.6	4.0	3.1	.3							9.1	10.4
WNW		.8	3.2	2.4	1.1							7.6	11.8
NW	.1	.7	3.4	3.2	.8							8.2	11.6
NNW	.2	.2	1.2	.9	.6	.2						3.3	12.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	4.0	//////
TOTALS	1.7	11.4	34.4	34.9	11.0	1.9	.8	.2				100.0	11.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N		.2	.5	2.3	.2	.4						4.0	13.7
NNE	.1	.9	2.8	4.6	2.1	1.3	.2					12.2	14.4
NE		.5	3.4	3.3	.7		.1	.1				8.4	11.9
ENE		.4	1.2	.4		.1	.1					2.3	10.6
E		.7	2.1	1.3	.2	.2						5.0	11.0
ESE		.6	.8	1.1	.7							3.1	12.1
SE		.3	.9	.9	.2							2.3	11.0
SSE	.2	.9	1.7	1.3	.2							4.0	9.4
S		1.3	3.1	2.0	.7							7.1	10.2
SSW	.1	.6	2.3	3.1	.8	.2						7.1	12.2
SW		.7	2.1	4.0	1.6	.1						8.1	13.2
WSW		.7	4.0	4.3	1.7	.4						11.1	13.6
W	.2	1.3	2.4	3.7	.9	.2						9.8	11.3
WNW		.2	2.0	2.2	1.9							6.3	13.8
NW		.8	1.4	2.7	.7	.1						5.7	12.5
NNW		.2	1.2	1.2	.1							2.8	11.3
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	1.6	//////
TOTALS	.8	9.9	32.8	38.9	12.4	3.6	.4	.1				100.0	12.2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N		.7	1.1	1.6	.2	.6	.1					4.2	13.0
NNE		.4	3.7	3.2	1.6	.3	.4					9.3	13.7
NE	.1	1.2	2.8	3.0	.7	.2	.2					8.2	11.7
ENE		1.2	2.2	.6	.1	.1						4.2	9.4
E	.2	.8	1.6	.7	.2	.1	.1					3.7	10.3
ESE		1.1	2.0	1.4	.2	.1						4.9	10.1
SE		.8	2.4	1.0	.4	.1						4.8	10.5
SSE		.8	1.6	.8	.3	.1						3.6	10.7
S	.2	2.1	2.9	1.8	.4							7.4	9.5
SSW		.6	3.3	2.3	.6	.3						7.1	11.7
SW	.1	.7	2.9	5.2	2.3	.1						11.3	13.3
WSW	.2	1.0	4.2	5.9	2.4							13.8	12.5
W	.1	.3	1.8	2.3	.9	.1						5.6	12.5
WNW		.2	1.6	2.0	1.0							4.8	13.3
NW		.4	.7	1.4	1.0							3.6	13.4
NNW		.1	.7	.9	.4							2.1	13.8
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	1.4	//////
TOTALS	1.0	11.4	35.0	34.1	12.9	2.2	.9					100.0	11.8

TOTAL NUMBER OF OBSERVATIONS: 900

USAF AL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
SCAPETAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.4	1.9	1.2	.2			.1				5.1	9.7
NNE		1.7	1.3	2.6	.4	.1						6.3	10.9
NE	.3	.8	1.0	.9	.3	.2						3.6	10.5
ENE		.9	1.3	.6								2.8	8.2
E	.2	1.6	1.7	.9	.4	.1						4.9	9.3
ESE	.1	1.4	1.8	.6	.7	.2						4.8	9.8
SE	.1	1.1	1.8	.6	.3	.1						4.0	9.4
SSE	.4	1.6	.4	.4	.1	.1						3.1	7.8
S	.3	2.3	3.6	.7	.3							7.2	8.2
SSW	.3	1.4	1.1	1.4	.4							4.8	9.4
SW	.2	3.1	3.7	4.4	.6	.1						12.1	9.9
WSW		3.0	4.4	4.4	.4	.1						12.4	10.2
W	.3	1.4	1.9	2.0	.1							5.8	9.4
WNW	.2	.7	1.2	1.6	.7	.2						4.6	11.9
NW	.1	.4	1.3	1.9								3.8	10.6
NNW		.8	1.7	.7			.1	.1				3.3	10.8
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	11.4	//////
TOTALS	3.0	23.7	30.1	25.0	5.1	1.2	.1	.2				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS: 980

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.9	2.6	1.3	.4	.1						7.6	9.0
NNE		.9	1.1	1.[illegible]	.4	.2						4.4	11.6
NE		1.0	.6	.3	.4							2.3	9.7
ENE	.7	.4	1.0									1.7	7.1
E		1.0	1.4	.9	.1							3.4	9.0
ESE		.9	1.1	.6	.1	.2						2.9	10.3
SE	.1	1.2	.6	.7	.6							3.1	10.2
SSE	.6	1.4	.3	.2	.2	.1						2.9	7.3
S	1.1	2.3	2.0	.9		.3	.1					6.7	8.1
SSW	.1	1.7	1.1	.6	.2							3.7	8.3
SW	.3	3.4	2.4	1.7	.4							8.3	8.5
WSW		3.1	3.6	2.7	.4							9.8	9.7
W	.8	3.4	2.8	1.2	.4							9.7	7.9
WNW	.2	.8	2.4	1.4	.4	.2						5.6	11.1
NW		1.7	.9	.8	.3							3.7	8.8
NNW	.2	1.7	1.2	.7	.1							3.6	8.4
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	21.8	//////
TOTALS	3.9	27.6	25.1	15.7	4.8	1.1	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	1.9	2.1	1.9	.3	.2	.1	.0				6.6	10.3
NNE	.1	1.0	1.9	2.7	1.1	.3	.2	.0				7.3	13.1
NE	.2	1.0	1.8	1.7	.6	.1	.1	.0				5.4	11.3
ENE	.1	.8	1.1	.5	.1	.0	.0					2.7	9.2
E	.1	1.0	1.6	.9	.2	.1	.0					3.9	9.8
ESE	.0	.9	1.1	1.0	.2	.1						3.3	10.4
SE	.1	.7	1.3	.4	.3	.0						3.2	10.0
SSE	.2	.9	.9	.6	.2	.0						2.9	9.3
S	.4	1.7	2.4	1.3	.3	.0	.0					6.2	9.0
SSW	.2	1.1	1.6	1.4	.3	.1						4.7	10.1
SW	.2	1.7	2.2	2.7	.8	.1	.0					7.7	10.9
WSW	.2	1.8	3.2	[illegible].2	1.0	.0						9.6	11.0
W	.4	2.2	3.1	2.1	.4	.1						8.3	9.3
WNW	.2	1.0	2.3	1.7	.9	.0						6.2	11.5
NW	.2	1.4	1.8	1.7	.4	.0						5.6	10.1
NNW	.2	1.0	1.5	.8	.2	.0	.0	.0				3.7	9.5
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	12.7	//////
TOTALS	2.8	20.0	30.0	25.2	7.3	1.6	.4	.1				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 0000-0200

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	3.5	2.2	1.2	.4	.1						7.8	8.2
NNE	.1	.9	1.6	1.4								4.2	9.6
NE		1.5	2.3	.9	.3							4.9	9.2
ENE	.1	.4	.2	.1								.9	7.1
E	.2	.6	.9	.1	.1							1.9	7.9
ESE		.8	.3	.1	.1							1.3	7.5
SE		.9	1.0	.1								1.9	7.5
SSE	.1	1.4	.9									2.4	6.0
S	.2	3.9	2.2	1.5								7.7	7.5
SSW	.1	1.0	2.8	.5								4.4	8.7
SW	.6	3.3	1.9	1.9	.6							8.5	5.8
WSW	.2	4.1	3.5	1.9								9.7	7.9
W	.8	3.7	2.6	.3								7.3	6.6
WNW	.3	1.2	.5									2.0	5.4
NW	.2	1.5	.5	.4								2.7	7.1
NNW	.3	2.6	.9	.2								4.0	5.8
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	28.3	//////
TOTALS	3.8	31.2	24.4	10.6	1.6	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	3.2	2.6	1.8	.4							8.3	8.6
NNE	.1	.2	2.5	1.6	.2							4.6	10.6
NE	.1	1.3	2.4	1.1	.4							5.3	9.6
ENE	.1	.2	.6	.1								1.1	8.2
E	.1	.3	.9	.6	.1							2.0	9.7
ESE		.4	.2	.3								1.0	8.8
SE		1.2	.5									1.7	6.3
SSE	.1	1.0	.2									1.3	5.3
S	.1	2.5	2.7	1.0								6.2	7.8
SSW	.1	1.3	1.7	.8								3.9	8.4
SW	.2	2.6	2.0	1.5	.1							6.5	8.3
WSW	.5	3.1	3.8	1.4	.2							9.0	7.9
W	.5	3.4	2.7	.3								7.0	6.7
WNW	.3	1.1	.3									1.7	5.2
NW	.6	2.4	.9	.3								4.2	5.6
NNW	.3	2.4	.5	.3								3.5	6.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	32.7	//////
TOTALS	3.5	26.6	24.3	11.2	1.5							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	2.6	2.4	3.1	.5	.1						9.0	9.8
NNE	.1	1.0	2.4	3.3	.4							7.2	11.2
NE	.1	2.2	2.8	2.3	.3							7.6	9.6
ENE	.2	.8	.8	.3	.3							2.4	9.2
E	.5	.8	.5	.2								2.3	6.8
ESE	.2	.9	1.0	.3	.2							2.6	8.5
SE	.2	1.0	.8	.1								2.0	6.7
SSE		1.1	1.2	.2								2.5	7.2
S	.1	2.7	2.5	1.7	.3							7.3	8.8
SSW	.3	1.0	1.9	1.3	.1							4.6	9.1
SW	.4	1.7	1.7	2.2	.2							6.2	9.4
WSW	.2	4.0	3.5	1.3								9.0	7.7
W	.1	2.2	3.3	1.4	.1							7.1	8.5
WNW	.1	2.0	2.3	.9								5.3	7.9
NW	.2	1.6	2.0	1.2	.2							5.3	8.8
NNW	.2	1.1	1.7	.5								3.5	7.9
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	16.0	//////
TOTALS	3.2	26.6	31.0	23.3	2.8	.1						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N		1.8	2.8	2.4	.9	.1						6.4	11.5
NNE	.4	.9	2.6	4.7	.6	.6						10.1	12.1
NE		1.5	3.6	3.0	.6	.3						9.0	11.2
ENE	.3	1.1	1.3	.9	.5							4.1	9.6
E	.2	.5	1.2	.3	.3							2.6	9.0
ESE	.2	.6	.8	.3	.2							2.2	8.4
SE	.1	.9	1.2	.4								2.6	7.6
SSE	.1	.5	2.2	.6								3.4	8.7
S		1.4	3.8	3.1	.1	.1						8.5	10.6
SSW		2.0	2.3	2.8	.5							7.6	10.3
SW	.5	.8	2.8	3.1	.8	.3						8.5	11.2
WSW	.2	1.9	4.2	3.1	.4							9.9	9.8
W	.4	1.3	5.1	1.9	.2							8.9	9.3
WNW		.5	2.3	1.2	.3							4.3	10.4
NW		.6	.8	1.8								3.2	11.2
NNW	.2	.9	.5	.8	.3							2.7	9.3
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	5.9	//////
TOTALS	2.9	16.5	36.8	30.6	5.9	1.5						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS: 429

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 1200-1400

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	.5	.5	2.7	.8	.2						5.0	12.9
NNE	.4	1.2	2.8	4.4	1.4	.2						10.4	11.9
NE		.6	2.5	3.2	1.0	.1						7.4	12.2
ENE	.3	.9	2.5	1.9	.4							6.0	10.2
E	.2	1.0	1.2	.2								2.6	7.7
ESE	.1	.3	1.4	.9	.2							2.9	10.5
SE	.2	.6	1.4	.5								2.8	8.1
SSE	.1	.9	2.5	1.0								4.4	8.9
S	.3	1.5	5.3	2.8	.2							10.1	9.5
SSW	.2	.6	4.4	3.7	.9							9.8	11.2
SW		.6	4.0	5.1	1.3	.3						11.4	12.3
WSW		.4	3.6	6.4	.9							11.2	12.3
W		1.1	2.9	1.9	1.0							6.9	11.2
WNW	*	.6	1.1	1.3								3.0	10.3
NW		.4	.6	.8	.1							2.0	10.5
NNW		.2	.5	.6								1.4	11.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	2.6	//////
TOTALS	2.2	11.7	37.2	37.4	8.1	.9						100.0	10.8

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 1500-1700

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
	WIND SPEED IN KNOTS												
N	.1	1.0	1.4	1.3	.5	.1						4.4	10.9
NNE	.1	1.5	2.6	3.0	.9	.1	.1					8.5	11.3
NE	.1	1.6	3.1	3.3	1.3	.2						9.7	11.6
ENE	.1	.9	1.6	.3	.3							3.1	9.2
E	.1	1.1	1.1		.1							2.4	7.1
ESE		.6	1.1	.4								2.2	8.6
SE	.2	.9	1.9	.8								3.8	8.2
SSE	.1	1.8	3.0	.9								5.8	8.1
S	.2	2.3	6.0	2.8								11.3	9.1
SSW	.1	1.6	3.4	3.7	.3	.1						9.2	10.5
SW	.1	1.0	3.8	5.5	1.0	.1						11.4	12.0
WSW	.1	.4	5.6	6.9	2.2	.2						15.4	12.6
W		.9	1.7	2.6	.6	.2						6.0	11.8
WNW		.2	.6	.4	.1							1.8	10.8
NW		.3	.5	.5	.1							1.5	10.7
NNW		.2	.2	.5								1.0	10.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	2.6	//////
TOTALS	1.4	16.2	36.0	33.2	7.4	1.1	.1					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS: [illegible]30

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.2	1.6	.4	.3	.1						3.9	9.2
NNE	.1	2.4	2.2	3.4	.3	.1						8.5	10.2
NE	.2	2.0	1.9	1.2	.3							5.8	8.8
ENE	.1	1.6	.8	.3	.1							2.9	7.3
E	.2	1.6	.9	.1								2.9	6.1
ESE	.3	1.2	.6	.2								2.5	6.3
SE	.1	2.2	1.6	.2								4.1	6.8
SSE	.6	3.2	1.6									5.5	5.9
S	.4	5.2	4.1	1.7								11.4	7.5
SSW	.3	3.5	2.6	2.2	.1							8.7	8.3
SW		2.2	4.6	3.9	.3	.1						11.0	10.3
WSW		2.9	6.6	4.4	1.2							15.1	10.4
W	.1	1.2	2.9	1.7	.1							6.0	9.4
WNW		.2	.4	.3								.9	10.0
NW	.2	.3	.8	.5								1.8	8.6
NNW	.3	.2	.2									.8	5.3
VARIABLE													
CALM	//////////											8.4	//////
TOTALS	3.5	31.2	33.2	20.5	2.8	.3						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 2100-2300

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
	WIND SPEED IN KNOTS												
N	.3	3.2	1.6	1.1	.5							6.8	8.3
NNE	.2	1.3	1.9	1.3	.3							5.1	9.6
NE	.2	1.0	1.9	.8	.3							4.2	9.2
ENE		1.0	.8	.1								1.6	7.3
E	.2	.6	.9	.1	.3							2.2	8.6
ESE	.5	.4	.8									1.7	5.8
SE	.2	1.3	1.1									2.6	6.3
SSE		2.2	.8									2.9	5.9
S	.5	2.7	2.6	1.2								7.0	7.7
SSW	.6	3.0	1.6	1.1								6.4	7.2
SW	.5	3.1	3.3	3.1								10.1	8.9
WSW	.4	4.0	5.6	2.4	.1							12.5	8.5
W	.3	3.1	3.0	.8								7.2	7.2
WNW	.1	1.0	.4	.3								1.8	6.6
NW	.3	1.5	.5	.4								2.8	6.9
NNW	.2	1.0	.4	.1								1.7	5.8
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	23.3	//////
TOTALS	4.8	30.4	27.2	12.7	1.6							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	2.1	1.8	1.7	.6	.1						6.4	9.7
NNE	.2	1.2	2.4	2.9	.5	.1	.0					7.3	11.0
NE	.1	1.5	2.6	2.0	.6	.1						6.8	10.4
ENE	.2	.8	1.0	.5	.2							2.8	9.0
E	.2	.9	1.0	.2	.1							2.4	7.8
ESE	.2	.7	.6	.3	.1							2.0	8.2
SE	.1	1.1	1.2	.3								2.7	7.2
SSE	.1	1.5	1.5	.3								3.5	7.3
S	.2	2.8	3.6	2.0	.1	.0						8.7	8.6
SSW	.2	1.8	2.6	2.0	.2	.0						6.8	9.4
SW	.3	1.9	3.1	3.3	.5	.1						9.2	10.4
WSW	.2	2.6	4.5	3.5	.6	.0						11.5	9.9
W	.3	2.1	3.0	1.4	.3	.0						7.1	8.8
WNW	.1	.9	1.0	.6	.1							2.6	8.5
NW	.2	1.1	.8	.5	.1							2.9	8.4
NNW	.2	1.1	.6	.4	.0							2.3	7.3
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	15.0	//////
TOTALS	3.2	23.8	31.5	22.1	4.0	.5	.0					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 7437

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	2.9	1.9	.6		.2						5.8	7.9
NNE	.4	.6	.6	1.0	.3							2.9	9.8
NE		.6	.2	.6			.1					1.4	10.7
ENE	.1	.6	.3									1.0	5.8
E	.1	.4	.8	.1	.1							1.6	8.6
ESE	.1	.3	.2									.7	5.7
SE		.7	.6	.1								1.4	8.2
SSE	.3	1.0	.7	.1								1.8	5.4
S	.2	2.2	1.1	1.0								4.6	7.7
SSW	.6	2.9	1.7	.9	.1							6.1	7.4
SW	.8	3.9	2.7	1.7	.2							9.2	7.5
WSW	.6	6.2	3.0	2.0	.2							12.0	7.5
W	.4	6.8	2.9	1.1								11.2	6.5
WNW	.3	1.8	1.4	.6								4.2	7.6
NW	.1	1.9	.9	.1								3.0	6.0
NNW	.1	2.6	1.1	.2								4.0	6.3
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	29.6	//////
TOTALS	4.3	34.9	19.6	10.2	1.0	.2	.1					100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72506C STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	3.4	2.7	.8	.2	.1						7.4	7.5
NNE	.1	1.6	1.0	1.1	.4	.1						4.3	9.7
NE	.3	1.3	1.0	.2								2.9	6.6
ENE		.2	.4		.2							.9	10.5
E	.1	.7	.3		.1							1.2	7.2
ESE		.1	.2									.3	7.0
SE			.2	.1								.3	11.7
SSE	.1	1.3	.1									1.6	4.9
S	.2	3.1	1.6	.6								5.4	6.8
SSW	.6	2.1	1.4	1.0	.1							5.2	7.6
SW	.2	3.6	1.8	1.1								8.7	6.9
WSW	.7	3.7	3.1	1.4								8.9	7.6
W	.6	4.3	2.4	1.3								8.7	7.0
WNW	.2	2.2	2.1	.3								4.9	7.0
NW	.2	1.4	.6									2.2	5.9
NNW	.2	2.9	1.0	.1								4.2	6.0
VARIABLE													
CALM	////////////////////	////////	//									32.8	//////
TOTALS	4.0	34.1	19.7	8.1	1.1	.2						100.0	4.9

TOTAL NO OF OBSERVATIONS: 908

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 0600 0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	2.6	2.6	1.1	.4							6.8	8.8
NNE		2.4	1.8	1.4	.9	.2						6.8	10.3
NE	.1	1.2	2.3	.7	.3							4.7	9.0
ENE	.1	1.0	1.2	.7								3.0	7.7
E	.1	.1	.4	.2								.9	8.3
ESE	.4	.6	.2	.1								1.3	5.0
SE		.1	.3									.4	8.0
SSE		.6	.7	.2								1.4	7.9
S	.7	2.4	1.9	.6								5.6	6.7
SSW	.3	4.2	3.6	.3								7.4	7.2
SW	.1	2.1	3.6	1.9	.7							8.2	9.5
WSW	.3	3.3	3.9	.8								8.3	7.8
W	1.0	5.7	4.8	2.2	.2							13.9	7.7
WNW	.1	2.9	2.4	1.0								6.4	7.8
NW	.1	2.1	1.7	.8	.1							4.8	7.7
NNW	.4	3.1	1.9	.8								6.2	7.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	13.8	//////
TOTALS	4.0	33.4	33.2	12.7	2.7	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 300

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	1.1	2.6	1.0	.4							5.2	9.8
NNE	.1	1.3	2.4	2.4	1.4	.2						8.0	11.9
NE	.1	2.2	2.7	2.2	.1	.1						7.4	9.2
ENE		1.2	1.0	.6								2.8	7.8
E	.3	.9	.8	.3								2.3	7.0
ESE			.4	.2								.7	10.3
SE		.9	.7									1.6	6.9
SSE	.1	.8	1.9	.6								3.3	8.6
S	.2	2.3	3.6	1.2								7.3	8.2
SSW	.1	.9	3.1	2.0	.6							6.7	10.4
SW	.4	1.9	2.7	3.3	.8	.1						9.7	10.8
WSW	.2	2.7	5.7	3.3	.3							12.2	9.4
W	.2	3.0	4.1	3.8	.4							11.6	9.5
WNW	.1	2.1	2.2	1.3	.1							6.3	8.7
NW	.4	1.2	1.8	1.2	.3							5.0	9.4
NNW		1.4	1.3	1.1								3.9	8.8
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	6.0	//////
TOTALS	2.6	24.0	36.9	25.6	4.6	.4						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N		1.1	1.4	1.3	.6	.2						4.7	11.5
NNE	.1	1.2	1.9	2.1	1.2	.1						6.7	11.7
NE	.1	.9	3.1	1.7	.4		.1					6.3	10.4
ENE	.1	1.7	1.9	.9								4.6	8.0
E		1.2	1.0	.2								2.4	7.8
ESE		.7	.7	.1								1.4	7.1
SE		.6	1.2	.3								2.1	8.5
SSE		.7	2.3	.4								3.4	8.8
S	.1	2.2	4.7	2.2	.3							9.6	9.1
SSW	.1	1.1	4.0	3.2	.6	.1						9.1	10.8
SW	.2	1.0	5.6	6.7	.7	.1						14.2	11.4
WSW	.2	1.7	5.9	8.0	1.2							17.0	11.4
W	.2	1.9	3.9	3.4	.8							10.1	10.5
WNW			.7	1.0	.1							1.8	12.1
NW	.1	.4	1.2	.3		.1						2.2	9.6
NNW	.2	.4	.6	.4	.1							1.8	9.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	2.6	//////
TOTALS	1.6	16.7	40.0	32.4	6.0	.7	.1					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	.9	.6	1.6	.3	.1						3.7	11.1
NNE		1.0	1.7	2.1	.7	.3						5.8	12.7
NE		1.3	3.0	1.0		.1						5.4	9.2
ENE		1.4	1.2	.3								3.0	7.5
E		1.0	.7	.2								2.9	6.3
ESE	.2	.4	.6	.7								1.9	8.4
SE	.4	1.0	1.0	.3	.1							2.9	7.2
SSE	.1	1.7	4.1	.2								6.1	7.9
S	.1	2.6	4.2	1.2								8.1	8.0
SSW	.2	1.7	4.6	3.3	.7	.1						10.8	10.5
SW	.2	1.1	6.1	9.0	.4	.3						17.2	11.9
WSW	.1	1.2	6.9	8.8	1.1							18.1	11.6
W	.1	.9	2.3	3.7	.9							7.9	11.4
WNW		.2	.4	.4	.6							1.7	12.9
NW			.4	.6								1.2	12.3
NNW			.9	.1								1.0	9.4
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	2.3	//////
TOTALS	1.8	17.4	38.9	37.6	4.8	1.0						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 908

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N		1.0	1.3	1.3	.3							4.0	10.1
NNE	.1	1.6	.6	1.1	.3	.3						4.4	11.7
NE		2.2	1.0	.1	.1							3.4	6.8
ENE		1.1	.9	.4								2.4	7.5
E	.3	1.0	.3									1.7	5.1
ESE		.6	.6									1.1	7.0
SE	.2	1.2	1.2									2.7	6.7
SSE	.9	1.8	1.6	.1								4.3	5.9
S	1.0	4.2	1.9	.2								7.3	6.0
SSW	.2	3.6	5.6	2.2	.1							11.7	9.6
SW	.5	3.0	6.2	2.9	.3							13.0	9.1
WSW	.4	4.0	9.7	4.7	.1							18.9	9.1
W	.1	2.9	4.2	1.3	.2							8.7	8.4
WNW	.1	.7	1.4	.2	.1	.1						2.7	8.9
NW	.1	.7	.4	.7								1.9	8.6
NNW	.1	.4	.7									1.2	7.4
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	10.6	//////
TOTALS	4.2	29.9	37.6	15.3	2.1	.4						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	1.7	1.6	1.1	.2							4.9	8.8
NNE	.3	1.4	.6	1.0	.3	.4						4.1	10.8
NE	.3	1.3	.1	.1	.1							2.0	5.9
ENE	.3	.9	.4	.1								1.8	5.9
E	.1	1.1	.2	.3								1.8	6.4
ESE		.3	.1	.2								.7	8.7
SE	.3	.3	.6	.1								1.3	6.7
SSE	.1	.7	.4	.2								1.4	7.0
S	.2	2.2	1.6	.4								4.4	7.1
SSW	.2	4.0	2.3	1.6								9.1	7.4
SW	.7	6.4	4.1	1.0	.1							12.3	6.9
WSW	.9	5.9	4.0	2.3	.1							13.2	7.5
W	.7	5.7	3.2	.7	.1							10.0	6.7
WNW	.1	.7	1.4	.3		.1						2.7	8.6
NW		1.7	.8	.3	.3							3.1	7.8
NNW	.2	1.4	.3	.1								2.1	5.6
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	25.0	//////
TOTALS	4.9	36.4	21.8	10.0	1.3	.4						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.9	1.8	1.1	.3	.1						5.3	9.2
NNE	.2	1.4	1.3	1.5	.8	.2						5.4	11.2
NE	.1	1.4	1.7	.9	.1	.0	.0					4.2	8.8
ENE	.1	1.0	.9	.4	.0							2.4	7.6
E	.1	.9	.6	.2	.0							1.8	7.0
ESE	.1	.4	.4	.2								1.0	7.3
SE	.1	.6	.7	.1	.0							1.5	7.5
SSE	.2	1.1	1.4	.2								2.9	7.3
S	.3	2.7	2.6	.9	.0							6.5	7.6
SSW	.2	2.6	3.3	1.8	.3	.0						8.3	8.9
SW	.4	3.1	4.1	3.5	.4	.1						11.6	9.5
WSW	.4	3.6	5.3	3.9	.4							13.6	9.3
W	.4	3.8	5.5	7.2	.3							17.2	9.4
WNW	.1	1.3	1.5	.7	.1	.0						3.8	9.5
NW	.1	1.2	1.0	.5	.1	.0						2.9	8.2
NNW	.2	1.5	1.0	.4	.0							3.1	7.1
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	15.7	//////
TOTALS	3.4	28.7	38.9	1[illegible].5	2.9	.5	.0					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 7[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 0000-0200

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	3.3	.8									4.5	5.5
NNE	.3	.6	.4		.5							1.9	9.7
NE	.2	.3	.1	.1	.1							.9	7.3
ENE		.5	.3	.1								1.0	7.3
E	.1	.1	.2									.4	5.8
ESE	.2	.2	.1									.5	4.8
SE		.4	.5									1.0	7.7
SSE	.1	.2	.1									.4	5.5
S	.9	2.0	.9	.6								4.4	6.4
SSW	.6	2.4	2.3	.4	.2							5.9	7.3
SW	.8	4.9	3.5	1.3	.1	.1						11.3	7.7
WSW	1.1	6.6	6.5	1.9	.1							16.1	7.5
W	.9	5.2	3.9	1.0								10.9	6.8
WNW	.5	1.7	.9									3.1	5.6
NW	.6	1.4	.5									2.6	4.8
NNW	.3	2.0	.6	.1								3.1	5.6
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	31.9	//////
TOTALS	7.1	32.0	21.6	6.1	1.1	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	1.9	1.1	.3								3.8	6.5
NNE	.2	1.4	1.0	.4								3.0	7.3
NE	.1	.4	.3	.1	.1							1.1	8.5
ENE	.1	.6	.1									.9	5.6
E		.5	.6									1.2	6.6
ESE		.1	.1									.2	6.0
SE	.1	.4	.1									.6	5.3
SSE	.2	.9										1.1	4.4
S	.2	1.1	1.8	.1								3.2	7.5
SSW	.5	2.4	1.6	.8	.1							5.4	7.2
SW	.5	3.5	3.4	1.8								9.4	7.7
WSW	.9	6.7	4.6	1.5	.2							13.9	7.2
W	.9	5.1	2.9	.6								9.5	6.4
WNW	.5	1.0	1.9									3.5	5.6
NW	.5	2.3	1.5	.1								4.4	6.0
NNW	.9	3.7	.9									5.4	5.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	33.5	//////
TOTALS	6.1	33.0	21.1	5.8	.4							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	3.1	3.2	.6								7.5	7.3
NNE	.3	1.6	1.9	.6	.1							4.6	7.8
NE	.1	1.3	.4	.5	.2							2.6	8.5
ENE	.2	.9	.5									1.6	5.7
E	.3	.7	.6	.1	.1							1.7	7.7
ESE	.1	.2	.2									.5	6.0
SE	.2	.9	.4									1.5	5.2
SSE	.2	1.3	.7	.1								1.9	5.7
S	.4	1.6	2.0	.1	.1							4.3	7.1
SSW	.2	1.9	2.0	.9								5.1	8.0
SW	.1	2.4	3.7	2.8	.1							9.4	8.3
WSW	.3	4.7	4.6	3.5	.3							13.5	8.7
W	.4	4.6	4.0	1.3								10.3	7.4
WNW	.1	2.7	1.9									3.9	6.6
NW	.4	4.1	3.4	.6	.1							8.7	7.3
NNW	.4	1.4	1.6	.3								4.2	7.3
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	18.6	//////
TOTALS	4.4	33.7	30.9	11.4	1.1							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.0	2.4	1.2	.3							5.1	9.4
NNE	.1	1.7	2.0	2.2	.4							6.5	10.1
NE	.1	1.0	2.5	1.0								4.5	8.6
ENE	.1	.5	1.3									2.0	7.1
E	.2	1.7	.4	.1	.3							2.4	8.0
ESE		.6	.4									1.2	6.4
SE	.2	.9	1.1	.1								2.3	7.0
SSE	.1	1.5	1.5	.4								3.5	7.9
S	.2	1.2	3.2	.5	.2							6.5	7.9
SSW	.2	1.5	2.5	1.1	.2	.1						5.6	9.8
SW	.3	1.3	2.6	3.5	.2							8.9	9.5
WSW	.2	2.8	6.6	6.2	.9							16.7	10.5
W	.2	4.6	6.7	2.7								14.2	8.3
WNW	.1	1.9	1.9	1.1	.1							5.2	8.3
NW	.1	1.6	2.4	.6	.1							4.8	8.2
NNW	.1	.4	1.5	.5	.2	.2						3.0	10.5
VARIABLE													
CALM	////	////	////	////	////	////	////	////	////	////	////	7.7	//////
TOTALS	2.7	26.1	38.9	21.3	3.8	.2						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

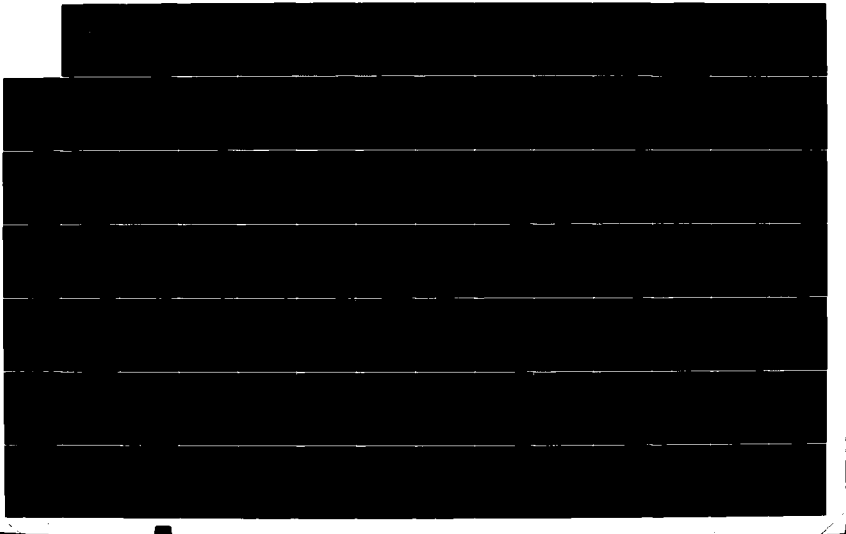
PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 1200-1400

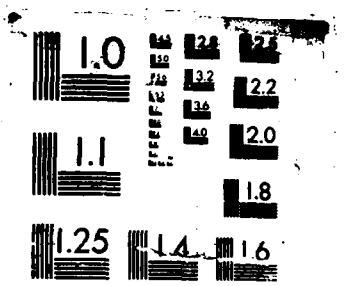
DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
					WIND SPEED IN KNOTS								
N	.1		1.3	.8	.1							2.3	9.9
NNE	.1	.9	2.5	1.2	.6							6.0	10.6
NE	.2	1.1	2.0	1.4								4.7	9.1
ENE	.2	1.2	1.5	.6								3.5	8.0
E		.4	.6	.1	.2							1.4	9.1
ESE		.5	.8	.2								1.5	7.9
SE	.1	1.0	.8	.1								1.9	6.9
SSE	.1	1.9	2.2	.2	.1							4.5	7.6
S	.2	2.6	4.8	.9	.1							8.6	8.2
SSW		1.4	4.7	3.3	.4							9.9	10.4
SW	.1	1.6	6.2	5.9	.6							14.4	10.8
WSW	.1	1.9	9.1	10.3	.9							22.4	11.1
W		1.2	4.4	2.4	.5							8.5	10.2
WNW	.1	.9	1.3	.5								2.8	8.2
NW		.2	.8	1.0								1.9	11.2
NNW		.2	.3	.1	.2							.9	11.4
[illegible]	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	4.7	//////
	1.4	17.0	43.3	29.7	3.9							100.0	9.5

[illegible]

AD-A183 452 OTIS ANGB MASSACHUSETTS REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A... 12 JUN 87 2/4

UNCLASSIFIED USAFETAC DS-87 040 F/G 4/2 NL





MICROCOPY RESOLUTION TEST CHART

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N		.2	.8	.4								1.4	9.2
NNE	.1	.4	1.3	.6								2.5	9.0
NE	.2	1.1	1.9	1.1								4.3	8.9
ENE	.1	.8	1.6	.4	.2							3.1	9.0
E	.1	.8	.8	.2								1.8	7.4
ESE	.1	1.1	1.2	.1								2.5	7.5
SE	.2	1.6	1.5									3.3	6.4
SSE	.1	1.7	1.5	.1								3.4	6.8
S	.8	3.8	5.2	.9								10.5	7.2
SSW	.1	2.8	5.6	3.0	.9							12.4	9.7
SW		1.0	7.7	5.9	.4	.1						16.2	10.5
WSW		1.3	9.0	12.7	1.5	.1						24.6	11.8
W	.1	.4	2.7	3.3	.3							6.9	11.5
WNW	.1	.1	.3	.9								1.4	10.9
NW		.2	1.0	.9	.2							2.3	11.4
NNW		.1	.3	.6	.2							1.3	12.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	2.0	//////
TOTALS	2.0	18.4	42.4	31.2	3.8	.2						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725063 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 1800-2000

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
					WIND SPEED IN KNOTS								
N	.5	.6	.6	.4								2.3	6.9
NNE	.7	.8	.[illegible]	.2								1.9	7.1
NE	.2	1.0	.1									1.3	4.7
ENE	.2	1.0	.4	.2	.1							1.9	7.4
E	.2	.4	.4									1.1	6.6
ESE	.1	.6	.4									1.2	6.2
SE	.1	1.5	1.0									2.6	5.9
SSE	.7	2.5	.6									3.8	5.1
S	1.3	5.9	2.7	.3								10.2	5.9
SSW	.4	[illegible]	[illegible]	1.6	.2							9.3	7.9
SW	.2	4.7	6.[illegible]	3.4	.3							15.6	8.6
WSW	1.4	5.6	9.6	7.0	.4							24.4	9.1
W	.1	2.[illegible]	4.4	1.6								8.8	6.6
WNW	.2	.[illegible]	.4	.3								1.2	7.9
NW	.2	.3	.1	.2								.9	7.1
NNW		.4	.6	.5	.1							1.7	9.5
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	11.8	//////
TOTALS	5.9	3[illegible].7	31.9	16.5	1.2							100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]29

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 2100-2300

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	1.4	1.0	.3								3.0	6.4
NNE		.3	.4	.2	.2							1.2	10.8
NE	.3	.5										.8	4.6
ENE	.3	.3	.3	.1	.1							1.1	7.6
E	.1	.2	.3									.6	6.8
ESE	.1	.1	.4									.6	7.0
SE		.9	.3									1.2	5.5
SSE	.6	1.5	.6									2.8	5.0
S	.7	4.4	1.9	.3								7.3	5.6
SSW	1.2	[illegible]	[illegible]	1.1								9.0	6.8
SW	1.3	5.7	3.5	1.7	.6							12.9	7.5
WSW	1.4	6.2	7.4	3.5								18.6	8.0
W	.4	5.6	3.4	1.5		.1						11.6	7.1
WNW	.2	.8	.4									1.4	5.6
NW	.1	.9	.4									1.4	5.4
NNW		1.2	.7	.3								2.2	7.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	24.3	//////
TOTALS	7.4	34.3	23.6	9.1	1.0	.1						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	1.6	1.4	.5	.1							3.7	7.4
NNE	.2	1.0	1.3	.4	.2							3.5	9.2
NE	.2	.8	.5	.5	.1							2.5	8.3
ENE	.1	.6	.6	.2	.1							1.9	7.6
E	.1	.5	.5	.1	.1							1.3	7.5
ESE	.1	.5	.3	.2								1.0	6.9
SE	.1	.4	.7	.3								1.8	6.3
SSE	.2	1.3	.9	.1	.0							2.7	6.4
S	.6	3.0	2.6	.5	.1							6.9	6.9
SSW	.4	2.5	3.1	1.5	.3	.1						7.8	8.5
SW	.4	3.6	4.6	3.3	.3	.1						12.3	9.0
WSW	.7	4.5	7.1	5.4	.5	.1						18.8	9.5
W	.4	2.7	4.7	1.8	.1	.1						10.1	8.1
WNW	.2	1.2	1.3	.3	.0							2.8	7.2
NW	.2	1.4	1.3	.4	.1							3.4	7.5
NNW	.2	1.2	.8	.4	.1	.1						2.7	7.5
VARIABLE													
CALM	////////	////////	////////	////////	////////	////////	////////	////////	////////	////////	////////	16.8	//////
TOTALS	4.8	28.4	31.7	18.4	1.9	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 7459

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	1.6	1.1		.1							3.3	6.0
NNE	.2	1.5	1.4	.3	.1							3.5	7.3
NE	.1	1.4	.2	.5	.1	.1						2.5	8.5
ENE		.5	.6	.4								1.6	8.6
E	.1	.3	.6									1.1	6.7
ESE	.1	.2	.1									.4	4.8
SE		.1		.1								.2	10.0
SSE		.4	.6	.2								1.3	7.4
S	.3	2.5	1.4	.2								4.4	6.1
SSW	.5	3.4	1.4	1.1	.1							6.6	7.1
SW	.9	4.5	1.8	.6								7.8	6.2
WSW	.9	5.2	4.4	2.5								12.9	7.7
W	2.0	4.2	3.0	.4	.1							10.1	6.4
WNW	.6	1.7	.5	.3								2.8	6.0
NW	.5	2.2	1.0									3.7	5.4
NNW	.8	.9	.1	.1								1.8	4.6
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	35.9	//////
TOTALS	7.6	30.2	18.4	7.2	.5	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	1.0	3.0	1.9	.3	.2							6.5	6.5
NNE	.2	1.6	1.2	.6	.2	.1						4.0	8.8
NE	.1	1.0	1.0	.5	.2							3.0	9.0
ENE	.3	.8	.4	.3								1.9	7.2
E	.2	.4	.3									1.0	5.2
ESE	.1			.1								.2	7.5
SE	.1	.1										.2	2.5
SSE	.1	.3	.1	.2								.8	8.3
S	.4	1.3	1.2	.5								4.6	7.1
SSW	.6	1.7	1.6	.9	.1	.1						5.7	7.2
SW	.9	2.4	2.0	1.8								7.3	6.7
WSW	.9	1.7	4.2	1.9	.1							10.2	7.4
W	1.7	1.5	1.5	1.2	.2							8.7	6.8
WNW	.4	.9	.6	.3	.1							2.4	7.1
NW	.4	1.0	1.3	.1								4.8	6.0
NNW	.9	1.4	.8	.1								4.0	5.0
VARIABLE													
CALM	////	////	////	////	////	////	////	////	////	////	////	34.7	//////
TOTALS	7.8	31.0	28.2	7.7	1.2	.2						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	3.4	3.5	.9								8.4	7.3
NNE	.9	2.7	1.6	1.7	.4							7.3	8.5
NE	.5	1.1	2.0	.5	.1							4.3	8.2
ENE	.3	1.0	1.2	.4	.2							3.1	8.3
E	.4	.9	.4	.5								2.3	6.9
ESE	.2	.1										.3	3.0
SE		.2	.3									.5	6.6
SSE	.3	1.1	.6									2.0	5.6
S	.6	1.8	1.7	.4								4.6	6.8
SSW	.2	2.5	2.2	.4	.1							5.4	7.3
SW	.4	3.1	3.2	1.1	.1							8.0	7.8
WSW	.2	4.1	4.6	2.4	.1							11.4	8.2
W	1.0	5.5	3.1	1.0	.2							10.8	6.8
WNW	1.0	1.5	.9	.5	.2							4.1	7.3
NW	.4	1.6	1.4	.9								4.3	7.5
NNW	.8	1.8	1.0	.6								4.2	6.6
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	19.0	//////
TOTALS	7.8	32.4	27.8	11.4	1.5							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	1.0	1.9	1.8	.2							5.3	9.7
NNE	.2	1.0	3.9	3.2	.2							8.5	10.3
NE	.4	2.3	3.8	1.9	.3	.1						8.8	9.1
ENE	.2	1.5	1.9	.6	.2	.1						4.6	8.7
E	.5	1.1	.6	.2								2.5	6.3
ESE	.1	.9	.4	.1								1.5	6.0
SE		.4	.9									1.3	7.8
SSE	.1	1.3	.8	.1								2.3	6.4
S	.5	1.7	2.6	1.5								6.3	8.4
SSW		2.2	3.0	.3	.2	.2						5.9	8.6
SW	.3	2.0	4.5	2.2	.2							9.2	9.2
WSW	.4	2.4	5.8	5.3	1.2							15.1	10.6
W	.2	2.4	4.5	1.9	.1							9.1	8.8
WNW	.4	1.7	1.7	.8	.4							5.1	8.8
NW	.2	.9	1.6	.2	.2							3.1	8.1
NNW	.2	1.1	1.1	.5	.3							3.2	8.8
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	8.2	//////
TOTALS	4.3	23.7	39.0	20.8	3.7	.4						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.1	1.4	.9								3.6	8.8
NNE	.2	1.7	3.6	1.7	.2							7.4	9.2
NE	.1	2.7	3.9	1.9	.4							9.0	8.9
ENE	.1	1.7	1.5	1.1	.6							5.1	9.5
E	.1	1.5	.4	.2	.1							2.4	6.9
ESE	.1	.4	.8	.3								1.6	8.1
SE		1.1	1.1	.3								2.5	7.3
SSE	.1	1.2	1.8	.6								3.8	8.2
S		1.1	4.3	1.2	.2							6.8	9.2
SSW	.1	1.1	3.2	1.9	.3							6.7	9.9
SW	.1	.6	7.4	5.0	.9							14.0	11.1
WSW		1.7	6.8	7.2	1.0							16.7	11.2
W	.1	1.4	5.1	1.8	.8							9.1	9.9
WNW	.3	.6	1.2	.6	.4	.1						3.4	10.3
NW		.4	1.3	.2	.2							2.2	9.5
NNW		.6	1.2	.2	.1							2.3	9.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	3.6	//////
TOTALS	1.6	19.3	44.9	25.3	5.3	.1						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N		.3	.9	.3	.1							1.6	9.5
NNE	.3	2.2	3.1	1.3	.1							7.0	8.3
NE	.3	2.8	2.6	1.4	.5							7.6	8.5
ENE	.2	2.0	2.9	.9	.1							6.1	8.2
E	.4	1.1	1.0									2.5	5.6
ESE	.4	.8	.4									1.6	5.4
SE	.1	1.7	.9	.1								2.8	6.3
SSE	.4	2.5	1.9	.3								5.2	6.7
S	.1	2.6	4.0	.9								7.5	8.1
SSW	.3	1.1	3.2	1.1	.2							5.9	8.8
SW		1.1	6.8	5.8	.4	.1						14.2	11.0
WSW	.3	2.6	9.1	9.9	1.2							23.1	10.9
W		1.1	3.2	2.0	.5	.1						7.0	10.9
WNW		.1	.6	.5	.2							1.5	11.6
NW			.9	.3	.1							1.3	11.0
NNW		.4	.3	.2								1.0	8.0
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	4.1	//////
TOTALS	3.0	22.3	41.8	25.1	3.5	.2						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N		.6	.3	.2	.1							1.3	8.9
NNE	.2	1.7	.5	.4								2.9	6.6
NE	.9	1.6	1.4	.9	.1							4.8	7.2
ENE	.4	2.3	1.2	.5	.1							4.5	7.0
E	.3	.6	.6	.1								1.7	6.3
ESE	.5	1.1	.2	.2								2.0	5.3
SE	.8	.8	.6	.1								2.3	5.3
SSE	.6	3.1	.8									4.5	5.0
S	1.1	3.4	2.0	.2								6.8	5.8
SSW	.5	3.2	3.5	1.3								8.6	7.6
SW	1.2	4.5	6.3	1.6	.1							13.8	7.5
WSW	.6	5.1	7.3	4.0	.5							17.5	8.7
W	.3	3.5	4.3	1.0	.6							9.8	8.4
WNW		.4	1.0	.3	.1							1.8	10.0
NW	.1	.5	.3									1.0	6.4
NNW	.1	.2	.3	.3								1.0	8.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	15.7	//////
TOTALS	7.7	32.8	30.9	11.2	1.7							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	1.3	.9	.2								2.5	6.7
NNE	.9	.4	.8	.5	.1							2.7	7.3
NE	.2	1.3	.8	.1	.3							2.7	8.0
ENE	.4	1.0	.8	.3	.1							2.6	7.0
E	.1	.5	.4		.1							1.2	7.7
ESE	.1	.6	.3	.1								1.2	6.4
SE	.1	.5	.1									.8	4.6
SSE	.3	.9	.1									1.3	4.3
S	1.5	3.1	1.3	.3								6.2	5.5
SSW	1.1	3.9	2.4	.9								8.2	6.5
SW	.9	5.5	3.0	1.4								10.6	6.9
WSW	1.6	6.2	4.8	1.5	.3							14.5	7.3
W	1.6	4.7	2.0	1.2	.6							10.2	7.3
WNW	.5	.6	.3	.4	.1							2.0	7.5
NW	.1	1.2	.8	.2								2.3	6.6
NNW	.4	.8	.2									1.4	4.3
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	29.7	//////
TOTALS	9.9	32.6	18.9	7.2	1.7							100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	1.5	1.5	.6	.1							4.0	7.7
NNE	.4	1.6	2.0	1.2	.2	.0						5.4	8.6
NE	.3	1.8	1.9	1.0	.3	.0						5.4	8.5
ENE	.3	1.3	1.3	.6	.2	.0						3.7	8.2
E	.3	.8	.6	.1	.0							1.8	6.4
ESE	.2	.5	.3	.1								1.1	6.0
SE	.1	.6	.5	.1								1.3	6.4
SSE	.3	1.3	.8	.2								2.6	6.4
S	.6	2.3	2.3	.7	.0							5.9	7.2
SSW	.4	2.5	2.6	.9	.1	.0						6.6	7.8
SW	.6	3.1	4.4	2.3	.2	.0						10.6	8.6
WSW	.6	3.9	5.9	4.3	.6							15.2	9.3
W	.7	3.5	3.3	1.4	.4	.0						9.4	8.0
WNW	.4	.9	.9	.5	.2	.0						2.9	8.4
NW	.2	1.2	1.1	.2	.1							2.8	7.2
NNW	.4	1.0	.6	.3	.1							2.4	6.7
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	18.9	//////
TOTALS	6.1	26.0	30.0	14.5	2.4	.1						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	3.2	1.6	.6								5.6	6.8
NNE	.7	2.2	1.0	1.0	.1							5.0	7.0
NE	.3	1.3	1.8	.6								4.0	7.6
ENE	.1	1.6	1.1	.1	.1							3.0	7.0
E	.2	.9	1.8	.1								3.0	7.4
ESE		.6		.2								.8	7.1
SE		.6	.2									.8	5.7
SSE		.2	.7									.9	7.3
S	.1	.9	.7	1.0								2.7	8.9
SSW	.3	.9	2.0	.3	.1							3.7	8.3
SW	.2	1.4	2.8	1.4	.1	.1						6.1	9.1
WSW	1.4	2.0	4.1	2.0	1.1							10.7	9.1
W	.7	1.7	1.7	1.6	.2							5.8	8.6
WNW	.2	.9	.6									1.7	5.5
NW	.9	1.3	.9									3.1	5.2
NNW	.7	4.0	1.0	.1	.2							6.0	5.9
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	37.3	//////
TOTALS	6.1	23.7	21.6	9.0	2.0	.1						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	3.0	1.6									5.1	5.9
NNE	.6	4.7	2.0	.4	.1							5.8	7.0
NE	.2	2.7	1.2	1.8								5.9	8.0
ENE	.2	.7	1.4									2.3	7.3
E	.2	1.4	1.6	.3								3.6	7.0
ESE		.3	.7									1.0	8.2
SE	.2	.4		.1								.8	5.0
SSE	.2	.2	.2									.8	5.3
S	.1	.8	1.4	.3								2.7	8.0
SSW	.2	.6	1.6	.7	.3	.2						3.6	10.5
SW	.2	1.6	1.6	.4	.1							3.9	7.8
WSW	.2	2.9	3.3	1.4	.7							8.7	8.9
W	.8	1.1	1.9	1.0	.4							5.2	8.9
WNW	.2	1.6	.6	.3								2.7	6.5
NW	.3	2.0	.4									2.8	4.9
NNW	.4	3.7	.9	.2								5.2	5.5
VARIABLE													
CALM	////	////	////	////	////	////	////	////	////	////	////	40.1	//////
TOTALS	5.0	35.6	27.3	7.1	1.7	.2						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 0600-0800

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.7	[illegible]	[illegible]	.9	.1							8.[illegible]	7.1
NNE	.4	[illegible]	1.[illegible]	1.[illegible]	.1							5.9	8.1
NE	[illegible]	[illegible]	1.7	[illegible]	.1							6.2	8.7
ENE	.6	1.4	[illegible]	.6								5.2	7.8
E	[illegible]	[illegible]	1.[illegible]	.7								4.3	6.6
ESE		[illegible]	.7	.4								1.7	6.6
SE		.4	.4									.9	6.8
SSE	.1	[illegible]	.4									.8	7.[illegible]
S	[illegible]	1.3	.4	[illegible]								2.7	7.3
SSW		1.4	1.[illegible]	1.[illegible]	.1	[illegible]						4.3	9.8
SW	.1	[illegible]	[illegible]	.6								5.0	7.1
WSW	.7	1.[illegible]	[illegible]	[illegible]	[illegible]							4.2	9.7
W	[illegible]	[illegible]	[illegible]	1.1	[illegible]							6.4	8.1
WNW	[illegible]	[illegible]	1.7	[illegible]								4.2	7.7
NW	[illegible]	1.[illegible]	1.[illegible]	.7								3.6	7.7
NNW	[illegible]	[illegible]	[illegible]	[illegible]								7.2	7.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	25.[illegible]	//////
TOTALS	[illegible]	[illegible]	[illegible]	[illegible]	1.[illegible]	[illegible]						[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible]

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 0900-1100

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND SPEED
N		[illegible]	[illegible]	[illegible]	[illegible]							7.1	9.0
NNE	[illegible]	.1	[illegible]	[illegible]		[illegible]						[illegible]	10.5
NE	.1	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	10.1
ENE	.1	[illegible]	[illegible]	.7	[illegible]							[illegible]	[illegible]
E	[illegible]	[illegible]	[illegible]	[illegible]								[illegible]	8.6
ESE	[illegible]	[illegible]	[illegible]	[illegible]		[illegible]						[illegible]	8.6
SE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	8.9
SSE	.1	[illegible]	[illegible]	.1								1.8	7.8
S	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	[illegible]
SSW	[illegible]	[illegible]	[illegible]	[illegible]								6.1	9.0
SW	.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						6.1	9.9
WSW	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							[illegible]	11.3
W	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]							8.9	9.8
WNW	.1	[illegible]	[illegible]	[illegible]								[illegible]	8.8
NW		[illegible]	[illegible]	[illegible]								[illegible]	9.6
NNW	[illegible]	[illegible]	[illegible]	.7	[illegible]							[illegible]	8.8
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	8.8	//////
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	8.7

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.0	1.7	1.1	.4							4.4	9.5
NNE	.3	1.7	2.[illegible]	4.[illegible]	.7	.1						9.0	10.9
NE	.1	1.6	4.7	3.5	.[illegible]							10.4	10.1
ENE		1.2	[illegible]	1.6	.[illegible]							7.1	9.8
E	.1	[illegible]	1.6	.1								3.2	6.9
ESE		.6	1.6	.2								2.3	8.3
SE	.[illegible]	.3	1.[illegible]	.1		.1	.1					2.3	9.2
SSE	.1	.9	1.[illegible]	.3				.1				2.7	8.9
S	.1	1.7	3.[illegible]	1.[illegible]	.3	.[illegible]						6.6	9.7
SSW		[illegible]	[illegible]	[illegible]	.4							9.7	10.4
SW	.[illegible]	1.0	3.7	[illegible]	.4							8.9	10.7
WSW	.1	1.6	4.7	[illegible]	.[illegible]							13.1	11.0
W	.1	[illegible]	2.[illegible]	1.2	.2							6.3	8.9
WNW		.7	[illegible]	1.2								3.7	10.0
NW		.[illegible]	1.[illegible]	1.1	.2							3.0	11.1
NNW	.1	.[illegible]	1.6	.7	.2							2.8	10.3
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	4.4	//////
TOTALS	1.9	17.8	41.[illegible]	[illegible]	4.6	.4	.1	.1				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	1.1	1.2	.4								2.9	8.1
NNE		1.4	2.4	3.4	.3							7.7	10.2
NE	.1	3.4	4.1	2.4	.6							10.7	9.1
ENE	.2	3.0	4.3	.9	.1							8.6	7.8
E		2.0	1.6	.1								3.7	6.7
ESE		1.1	.7									1.8	6.5
SE		1.6	1.2	.2								3.0	6.7
SSE	.2	2.2	1.4	.2								4.1	7.0
S	.2	2.4	3.2	1.1	.1							7.1	8.0
SSW	.1	1.4	4.1	1.7	.3	.1	.2					8.0	10.3
SW	.1	1.0	5.6	4.9	1.2	.1						12.9	11.2
WSW	.1	2.1	4.6	6.5	.8							14.0	10.8
W		2.0	1.8	1.3	.2							5.3	8.9
WNW		.3	1.3	.7								2.3	9.8
NW		.2	1.9	.6								2.7	9.7
NNW	.1	.7	.6	.6	.1							2.0	8.9
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	3.2	//////
TOTALS	1.3	26.1	40.0	25.0	3.8	.2	.2					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS: 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 1800-2000

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
							WIND SPEED IN KNOTS						
N	.4	1.3	.9	.3								3.0	6.4
NNE	.8	1.8	1.7	1.4								5.7	8.0
NE	.4	[illegible]	2.4	.7								6.3	7.1
ENE	.9	[illegible]	2.3	.2								6.2	6.2
E	.6	[illegible]	[illegible]	.2								3.7	5.7
ESE	.7	.9	.3									1.9	4.5
SE	.4	[illegible]	.2									1.8	4.8
SSE	.7	.9	[illegible]	.1								2.4	5.7
S	.7	1.6	.7	1.0	.3							4.2	7.9
SSW	.6	[illegible]	2.8	.6	.1							9.2	6.6
SW	1.1	3.4	[illegible]	[illegible]	.6		.1					10.9	8.6
WSW	.4	3.6	4.4	2.6	.8	.2	.1					12.1	9.3
W	.5	.4	1.4	1.2								4.0	8.5
WNW	.2	[illegible]	[illegible]	.3								2.4	7.9
NW	.1	[illegible]	[illegible]	.1	.1							2.2	8.0
NNW	[illegible]	.2	[illegible]	.3								1.2	7.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	22.7	//////
TOTALS	[illegible]	[illegible]	[illegible]	11.1	1.9	.2	.					100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: [illegible]

USAF AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72506 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.5	.9	1.1	.4								4.2	7.3
NNE	.6	1.1	1.2	.9								3.8	7.7
NE	.5	1.7	1.4	.7	.1							4.6	7.8
ENE	.7	.7	.4	.1	.2							3.6	6.3
E	.6	.9	1.4									4.0	5.9
ESE	.7	.9	.3									1.6	5.3
SE	.1	.8	.3	.1								1.3	6.1
SSE	.1	.7	.6									1.3	6.6
S	.5	1.2	.9	.5								3.4	7.2
SSW	.7	1.3	1.7	.6	.1	.1						5.4	7.2
SW	.7	1.9	1.4	2.3	.2							7.8	8.4
WSW	1.3	2.2	4.1	2.1	.6							11.0	8.5
W	.5	1.9	.4	1.9	.5							5.0	9.2
WNW	.2	.7	1.1									1.7	7.7
NW	.4	1.9	1.2	.2	.1							3.9	6.3
NNW	.4	1.7	1.0	.1								3.2	6.1
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	34.2	//////
TOTALS	7.2	26.8	19.5	9.7	2.1	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 903

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	2.1	1.8	.7	.1							5.1	7.5
NNE	.5	1.8	2.0	2.0	.2	.0						6.5	9.1
NE	.3	2.1	2.5	1.8	.2							6.8	8.8
ENE	.3	1.8	2.3	.8	.1							5.4	8.1
E	.3	1.5	1.6	.3								3.7	6.9
ESE	.2	.7	.6	.1		.0						1.6	7.1
SE	.2	.7	.7	.1	.0	.0	.0					1.8	7.2
SSE	.2	.7	.6	.1				.0				1.8	7.1
S	.3	1.5	1.5	.8	.1	.0						4.3	8.3
SSW	.3	1.9	2.4	1.3	.2	.1	.0					6.3	8.9
SW	.3	1.9	3.0	2.1	.4	.0	.0					7.7	9.4
WSW	.6	2.3	3.9	3.3	.9	.0	.0					11.0	9.9
W	.4	1.7	2.1	1.4	.3							5.9	8.8
WNW	.2	.9	1.4	.5								3.0	8.2
NW	.3	1.1	1.3	.5	.1							3.2	7.8
NNW	.4	1.8	1.2	.4	.1							3.9	7.1
VARIABLE													
CALM	////	////	////	////	////	////	////	////	////	////	////	22.0	////
TOTALS	4.8	24.7	29.2	16.3	2.6	.3	.1	.0				100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	2.7	2.3	.9	.3							6.3	7.8
NNE	.1	1.1	1.5	.1	.2							3.0	7.8
NE	.2	1.5	1.8	.5	.5	.2	.1					4.9	10.0
ENE	.2	1.4	.8	.2	.4							3.0	8.3
E	.2	1.3	.4	.1								2.0	6.1
ESE		.2	.1	.3								.6	9.0
SE	.2	.3	.3	.3								1.2	7.6
SSE	.1	.1	1.0	.3								1.5	8.9
S	.5	1.0	1.3	.5								3.3	7.2
SSW	.1	.6	1.4	.1	.1							2.4	8.5
SW	.2	1.7	1.5	1.4	.4							5.3	9.4
WSW	.1	2.7	3.2	2.2	.3	.1						8.6	9.6
W	.5	1.9	2.9	1.9	.5							7.8	9.3
WNW	.5	2.2	2.7	.8								6.1	7.5
NW	1.2	4.1	2.7	.6								8.6	6.4
NNW	.3	3.0	1.6	.1		.1						5.2	6.6
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	30.0	//////
TOTALS	4.8	29.8	25.5	10.4	2.9	.4	.1					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	3.2	2.2	.9	.3							7.2	7.4
NNE	.1	1.2	1.3	.8	.3							3.7	8.9
NE	.2	1.5	1.6	1.0	.3							4.6	8.9
ENE	.1	.6	1.5	.3	.6	.1						3.3	11.1
E		.3	.5	.3	.1							1.3	9.8
ESE	.1	.3	.3	.1								.9	6.9
SE		.2	.3	.1								.6	8.2
SSE	.1	.5	.6									1.3	6.5
S	.4	2.2	.9	.1								3.5	5.9
SSW	.2	1.6	1.0	.4								3.2	7.1
SW	.5	.9	1.5	1.0	.1							4.0	8.8
WSW	.2	1.0	2.2	1.7	.4							5.5	10.1
W	.6	2.5	2.8	2.0	.4							8.4	9.1
WNW	.5	3.3	1.9	.9								6.7	6.9
NW	.3	3.5	2.2	.8								6.8	6.9
NNW	.9	3.7	2.3	.1								6.9	6.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	32.2	//////
TOTALS	5.1	26.6	23.0	10.4	2.7	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	3.4	3.2	.3	.1							7.3	7.1
NNE	.2	1.6	1.1	.6	.5	.1						4.2	9.5
NE		1.5	2.5	1.7	.2							5.9	9.6
ENE	.2	1.6	1.4	.9	.6	.1						4.8	9.2
E	.1	1.4	.8	.4								2.7	7.1
ESE	.1	.6	.2	.3								1.3	7.3
SE		.8	.3	.1								1.2	6.6
SSE	.2	.5	.9	.2								1.8	7.8
S	.5	2.2	1.5	.2								4.4	6.3
SSW	.2	.9	1.7	.3								3.1	7.9
SW	.5	1.1	1.0	1.2	.1							3.9	8.7
WSW	.3	1.3	2.4	1.6	.4							6.0	9.4
W	.4	3.2	3.3	1.4	.5							8.9	8.5
WNW	.5	3.7	2.6	1.1	.3	.3						8.5	8.2
NW	.1	4.0	3.1	.8								8.0	7.2
NNW	.3	3.3	2.4	.4	.1							6.6	6.9
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	21.3	//////
TOTALS	4.1	31.1	28.3	11.6	3.0	.5						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	1.1	3.3	1.8	.1	.1						6.8	9.6
NNE	.1	1.1	2.6	2.6	.5	.1						7.0	11.0
NE	.2	1.4	3.2	3.0	.4							8.3	10.2
ENE	.2	1.3	1.5	2.0	.4							5.5	10.4
E		.6	1.3	.6								2.6	8.8
ESE		.3	1.3	.9	.1							2.6	10.2
SE	.1	.1	1.6	.2								2.0	8.6
SSE		.9	1.8	.2								2.9	8.4
S	.2	1.3	2.2	.3	.1							4.1	7.8
SSW		.5	2.4	1.8	.1							4.8	10.1
SW	.2	1.8	1.5	1.7	1.1	.2						6.6	10.7
WSW	.1	.9	3.0	4.1	.5							8.6	11.3
W	.4	1.8	4.5	2.9	.5	.1						10.3	10.0
WNW	.2	.8	3.2	2.9	.5	.4						8.1	11.5
NW	.1	1.4	2.3	2.5	.3							6.6	10.1
NNW	.3	1.0	2.2	1.6	.2							5.3	9.4
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	8.1	//////
TOTALS	2.6	16.2	37.8	29.2	5.1	1.0						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	.9	1.8	1.2	.1	.7						4.5	10.3
NNE		.5	3.1	4.9	.4	.3						9.4	11.7
NE	.1	1.6	4.2	3.3	.5							9.8	10.3
ENE		1.1	1.9	1.6	.9							5.5	11.0
E	.1	1.0	.4	.5								2.0	7.4
ESE	.1	1.2	.4	1.0	.1	.1						2.9	9.5
SE		.6	.9	.3								1.8	8.2
SSE	.1	.4	1.0	.4								2.9	8.7
S		1.6	2.4	1.2	.2							5.4	9.2
SSW	.2	.9	1.5	1.7	.3							4.6	10.1
SW	.2	.9	2.6	3.4	.9	.8						8.9	12.3
WSW	.1	1.2	4.2	5.5	1.2	.3						12.5	11.8
W		1.9	4.9	3.2	1.1	.2						11.4	10.7
WNW	.2	1.3	2.6	1.9	.2	.1						6.3	10.1
NW	.1	1.1	2.9	2.2	.2	.1						6.6	10.6
NNW		.3	.6	.3	.1							1.4	9.7
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	4.1	//////
TOTALS	1.5	16.5	36.7	32.8	6.2	2.3						100.0	10.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	.8	2.0	.6								3.7	8.5
NNE	.3	1.7	3.8	1.9	1.0	.3						9.0	10.6
NE		2.2	3.5	2.0	.4	.2						8.4	9.7
ENE	.4	2.9	2.9	1.3	.3							7.8	8.3
E	.4	1.6	.4	.2								2.7	5.8
ESE	.3	.9	.8	.4	.1							2.5	7.8
SE	.2	1.0	1.1	.1	.2	.1						2.7	8.5
SSE	.2	1.1	1.1	.2	.1							2.7	7.4
S	.5	2.4	3.8	.3								7.0	7.2
SSW	.1	1.6	1.3	1.5	.3							4.8	9.5
SW	.2	1.6	3.1	3.7	.3	.5						9.5	11.3
WSW	.1	2.2	4.4	5.5	1.7	.1						14.0	11.4
W	.1	1.7	3.8	1.7	.4	.2						8.0	9.9
WNW	.2	1.2	2.2	2.7	.2	.1						6.6	10.1
NW	.1	1.0	1.7	1.0	.1							3.9	9.2
NNW		.8	.8	.3	.1							1.9	9.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	4.9	//////
TOTALS	3.5	24.4	36.6	23.5	5.4	1.6						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	1.7	.5	.6								3.5	6.6
NNE	.6	1.5	1.4	.8	.3	.1	.2					4.9	9.5
NE	.5	2.5	1.6	1.0	.3	.2						6.1	8.5
ENE	.3	1.8	1.7	.5	.4	.1						4.9	8.9
E	.5	.5	.6	.1								1.8	5.9
ESE	.2	1.0	.1	.2	.1							1.6	6.7
SE	.2	1.1	.3	.1								1.7	6.1
SSE		1.1	.2	.1	.1	.1						1.6	8.0
S	1.0	3.0	2.3	.8	.1							7.1	6.9
SW	.4	2.2	1.2	1.7	.1							5.6	8.4
SW	.3	3.2	1.9	1.2	.2							6.9	8.1
WSW	.1	2.7	2.8	2.8	.8	.4						9.6	10.3
W	.5	3.1	2.3	1.2	.6							7.7	8.3
WNW	.4	1.8	1.9	1.0	.2							5.4	8.0
NW	.2	1.1	1.7	1.1								4.1	8.7
NNW	.2	1.3	.9	.2								2.6	6.5
VARIABLE													
CALM	////	////	////	////	////	////	////	////	////	////	////	24.7	//////
TOTALS	6.3	29.6	21.5	13.3	3.3	1.0	.2					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725087 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.8	1.6	1.5	.5	.3							5.1	7.9
NNE	.4	1.7	.8	.5	.1	.1						3.4	9.1
NE	.5	.7	1.5	.9	.1	.1						4.6	8.0
ENE	.4	1.3	1.1	.6	.6	.1	.2					4.4	10.6
E	.2	1.7	.6	.1								2.5	6.2
ESE	.1	.5	.9	.1								1.6	7.7
SE	.1	.3	.3	.3								1.0	9.1
SSE	.1	.2	.8									1.1	7.5
S	.5	1.7	1.3	.8	.4							4.3	8.6
SSW	.5	.7	1.4	.7	.1							4.2	8.2
SW	.2	.8	.7	1.4	.2							5.1	9.0
WSW	.3	.7	2.1	.9	.5							4.5	9.4
W	.2	.4	.5	.2	.1							1.4	8.3
WNW	.5	1.0	2.3	1.1	.1							5.2	8.2
NW	.3	.7	1.7	.4								3.1	7.2
NNW	.1	.5	1.7	.3								2.7	6.5
VARIABLE													
CALM	//////////											20.9	//////
TOTAL	6.5	16.7	27.4	17.1	2.5	.7	.2					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 4

...SONAL CLIMATOLOGY PROGRAM — PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
...GRAPHIC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 7[illegible] STATION NAME: [illegible] AFB — PERIOD OF RECORD: 77-86
MONTH: OCT — HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	1.5	2.2	.7	.2	.1						5.6	8.1
NNE	.3	1.7	1.5	1.6	.4	.1	.					5.6	10.2
NE	.3	1.1	1.4	1.7	.4	.1	.					4.6	9.5
ENE	.3	1.1	1.8	.9	.4	.1	.					4.9	9.6
E	.3	1.1	.8	.3	.1							2.6	7.6
ESE	.1	.6	.4	.4	.1	.						1.7	8.4
SE	.1	.5	.4	.2	.1	.1						1.4	7.9
SSE	.1	.4	1.1	.1	.	.						2.1	6.5
S	.3	1.5	1.5	.5	.1							4.9	7.4
SSW	.3	1.3	1.4	1.1	.1							4.1	8.9
SW	.3	1.1	1.3	1.3	.4	.						4.5	10.1
WSW	.2	1.1	2.3	2.3	.7	.1						6.7	10.6
W	.4	1.4	2.4	2.1	.6	.1						6.7	9.3
WNW	.4	1.2	2.0	1.3	.3	.1						6.9	8.9
NW	.3	1.1	2.1	1.3	.1	.1						6.1	8.1
NNW	.2	1.3	1.4	.4	.1	.1						4.2	7.3
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	19.3	//////
TOTAL*	4.2	24.4	27.1	19.1	5.5	.9	.1					101.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725050 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0000-0200

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
	WIND SPEED IN KNOTS												
N	.1	[illegible]	1.[illegible]	1.[illegible]								4.1	8.4
NNE	.[illegible]	.[illegible]	1.7	.4								3.3	7.7
NE	.1	1.[illegible]	1.7	.4	.6	.1						4.1	9.8
ENE	.1	.[illegible]	.[illegible]	.[illegible]	.1	.1						3.6	10.3
E	.1	1.1	.[illegible]	.[illegible]	.[illegible]							2.7	6.1
ESE	.1	.[illegible]	.4	.4	.[illegible]	.[illegible]						1.[illegible]	13.4
SE		.7	1.									1.7	6.0
SSE		.	.7	.7	.[illegible]							1.[illegible]	11.5
S	.[illegible]	1.[illegible]	1.[illegible]	.[illegible]	.1							4.[illegible]	7.7
SSW	.[illegible]	.[illegible]	.[illegible]	1.[illegible]	.		.					7.4	11.1
SW	.[illegible]	[illegible].1	[illegible]	1.[illegible]	.4	.1						5.7	1[illegible].5
WSW	.1	[illegible].1	[illegible].1	1.4	.[illegible]							[illegible].3	1[illegible].2
W	.4	[illegible].	[illegible].7	.[illegible]	.[illegible]	.						[illegible].4	1[illegible].7
WNW	.	[illegible]	[illegible]	1.4	.[illegible]	.						7.7	[illegible].9
NW	.[illegible]	.4	4.	.1	.4							1[illegible]	[illegible].8
NNW	.[illegible]	.4	[illegible]	.[illegible]								[illegible].7	7.3
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	[illegible].2	//////
TOTAL	.[illegible]	.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					1[illegible]	7.2

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: [illegible] STATION NAME: [illegible]

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0300-0500

DIRECTION (DEG)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	[illegible]	[illegible]	[illegible]	.4								4.1	7.4
NNE	.1	[illegible]	[illegible]	[illegible]	.1							3.4	8.5
NE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	.1	[illegible]					4.3	12.5
ENE		[illegible]	[illegible]	[illegible]	.1							4.2	8.2
E		[illegible]	1.1	[illegible]								3.2	9.1
ESE	.1	.4	[illegible]	.1	.1	[illegible]						1.3	10.6
SE		[illegible]	[illegible]	[illegible]	.1	.1						1.4	12.2
SSE	[illegible]	[illegible]	[illegible]	[illegible]								2.4	7.6
S	[illegible]	[illegible]	[illegible]	[illegible]	.1							2.8	7.6
SSW		[illegible]	[illegible]	[illegible]	.4							3.7	9.9
SW		[illegible]	[illegible]	[illegible]	.7							4.8	11.1
WSW	[illegible]	[illegible]	[illegible]	[illegible]	.7							7.0	10.3
W	[illegible]	[illegible]	[illegible]	1.7	[illegible]							8.6	9.1
WNW	.7	[illegible]	[illegible]	[illegible]	[illegible]	.1						9.2	8.8
NW	.4	[illegible]	[illegible]	[illegible]	[illegible]							9.4	8.1
NNW	.4	[illegible]	[illegible]	[illegible]								5.3	6.9
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	24.7	//////
TOTALS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	[illegible]	[illegible]	1.[illegible]				.2					4.2	8.0
NNE	.1	[illegible]	1.[illegible]	.7	[illegible]	.1	.1					3.6	10.8
NE	.3	[illegible]	2.4	.9	.6	.1						[illegible].3	10.0
ENE	[illegible]	[illegible]	1.[illegible]	1.1	.2							5.2	6.5
E	[illegible]	1.1	1.6	.2	.2							3.3	8.2
ESE		.4	.4									.9	7.1
SE	.1	.4	.4	[illegible]	[illegible]	.1						2.[illegible]	9.7
SSE		.7	.7	[illegible]	.3							[illegible].1	10.9
S		[illegible]	[illegible]	[illegible]	.3							4.7	8.5
SSW	.2	[illegible]	[illegible]	1.[illegible]	.6							[illegible]	10.7
SW	.1	[illegible].1	[illegible]	1.7	.7							[illegible].6	1[illegible].7
WSW	.1	[illegible]	[illegible].1	1.[illegible]	[illegible]							4.7	1[illegible].3
W	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]						[illegible]	9.6
WNW	[illegible]	[illegible]	[illegible]	[illegible]	.7							[illegible]	9.7
NW	[illegible]	1.[illegible]	4.[illegible]	[illegible]								7.[illegible]	6.3
NNW	[illegible]	[illegible]	4.[illegible]	1.2	[illegible]							[illegible].2	[illegible]
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	[illegible]	//////
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]					[illegible]	7.[illegible]

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725[illegible] STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N		1.[illegible]	1.[illegible]	[illegible]	.7	.1	.1					6.5	11.3
NNE		[illegible]	1.[illegible]	1.6	[illegible]	[illegible]						4.1	11.7
NE		1.7	1.[illegible]	1.[illegible]	[illegible]							[illegible]	10.2
ENE	.1	1.[illegible]	[illegible]	[illegible]	[illegible]							7.1	10.3
E		[illegible]	[illegible]	[illegible]		[illegible]						3.9	9.8
ESE		[illegible]	[illegible]	.1	.1							1.[illegible]	[illegible]
SE		.7	1.1	[illegible]								2.3	[illegible]
SSE	.1	1.7	[illegible]	[illegible]	[illegible]							3.2	[illegible]
S	.1	.4	[illegible]	1.[illegible]	.1							4.5	9.7
SSW		.7	[illegible]	[illegible]	[illegible]							[illegible]	11.0
SW	.1	[illegible]	[illegible]	1.[illegible]	1.3	.4						6.6	13.0
WSW	.1	[illegible]	[illegible]	[illegible]	1.[illegible]							7.7	12.0
W	.1	[illegible]	4.[illegible]	4.3	.7	[illegible]						11.0	11.2
WNW		1.1	[illegible]	[illegible]	[illegible]	.1						[illegible]	11.3
NW	.1	1.1	4.[illegible]	[illegible]	1.1							10.0	11.3
NNW	[illegible]	[illegible]	[illegible]	[illegible]	.4	[illegible]						6.9	11.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	6.2	//////
TOTALS	1.[illegible]	[illegible]	34.4	31.[illegible]	[illegible]	1.[illegible]	.1					100.0	10.3

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725087 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N		.6	1.9	.9	.3	.7						4.5	11.1
NNE	.1	.7	2.7	1.3	1.0							5.5	12.1
NE		1.7	2.2	2.3	.3							6.7	10.2
ENE	.2	1.3	2.1	1.8	.3							5.7	9.7
E		.6	1.3	.7								2.8	8.6
ESE		.6	1.1	.7	.1							2.3	9.4
SE		.7	1.1	.6	.2							2.6	10.0
SSE		1.6	.6	.3								2.9	7.9
S		1.1	2.9	1.7								5.7	9.5
SSW	.1	.4	1.7	1.1	.3							3.7	10.7
SW		.7	3.2	3.2	1.3	.7	.1					9.3	13.1
WSW	.1	.8	3.0	4.3	2.1	.1	.1					10.6	12.8
W		1.2	2.8	4.3	1.4	.4	.1					10.3	12.4
WNW	.1	1.6	3.3	3.9	1.2	.1						10.3	11.6
NW		1.3	2.1	4.3	.8	.1						8.7	11.9
NNW		.4	2.1	2.3	.6	.1						5.6	11.7
VARIABLE													
CALM	////	////	////	////	////	////	////	////	////	////	////	3.1	//////
TOTALS	.7	19.2	34.1	34.6	10.1	1.9	.3					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS: 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725086 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1500-1700

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.4	.6	1.3	.6	.4	.1						3.4	9.9
NNE	.2	.8	2.3	1.9	.6	.1						5.9	10.9
NE	.2	1.4	2.9	1.7	.4							6.7	9.8
ENE	.1	2.4	2.8	.7	.1							6.1	7.8
E	.2	.9	2.2	.7								4.0	8.4
ESE	.2	1.3	.6	.4	.1							2.7	7.8
SE	.3	1.1	1.1	.2	.2							3.0	7.9
SSE	.1	1.1	1.0	.7								2.9	8.0
S	.2	1.1	2.7	.8	.1							4.9	8.4
SSW	.1	.7	1.0	.3	.4	.1						2.7	10.7
SW	.1	1.9	3.6	2.3	.7	.1						9.1	10.5
WSW	.	1.4	4.3	5.1	1.0	.1						12.0	11.6
W	.1	2.1	3.9	3.1	.3	.6	.1					10.2	10.8
WNW	.2	1.1	2.6	3.2	.4	.1						7.9	10.7
NW		.9	2.9	3.6	.2							7.6	11.1
NNW	.1	.6	1.9	1.9	.3							4.8	11.0
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	6.2	//////
TOTALS	2.9	19.4	37.2	27.6	5.4	1.2	.1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1800-2000

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.6	.8	1.4	1.3	.2	.1						4.4	9.6
NNE	.1	.7	1.1	.5	.1							2.8	9.8
NE	.2	1.3	2.0	.9	.2	.1						4.8	9.2
ENE	.1	1.9	2.1	.4	.1	.1						4.8	8.2
E	.2	1.6	1.9	.4								4.1	7.6
ESE	.2	.2	.4	1.7								2.6	10.9
SE	.1	.7	.7	.6	.1							2.1	8.8
SSE		.3	1.1	.6	.1							2.1	10.2
S	.3	2.4	1.7	.8	.2	.2						5.7	8.5
SSW	.3	1.1	1.3	1.0	.1							3.9	9.0
SW		1.4	2.7	1.6	.1							5.8	9.8
WSW	.2	1.2	2.7	1.9	.1							6.1	9.6
W	.4	3.1	3.8	1.7	.7	.1						9.8	9.1
WNW	.7	1.6	3.0	2.4	.1	.3	.1					8.2	10.3
NW	.3	1.4	2.7	2.0	.4							6.9	10.0
NNW	.3	1.8	2.6	1.0	.4							6.1	8.8
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	19.9	//////
TOTALS	4.2	21.6	31.1	19.0	3.1	1.0	.1					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.1	.8	1.6	.6	.4							3.4	9.6
NNE		.7	1.1	.2	.2							2.2	9.5
NE	.3	.9	2.0	.8	.3	.2						4.6	9.7
ENE		1.3	2.6	.6	.1	.1						4.7	8.6
E	.3	1.1	.7	.1	.1							2.3	6.9
ESE	.1	.1	1.0	1.0	.2							2.4	11.3
SE		.2	1.1	.9	.1							2.3	10.9
SSE			1.0	.3								1.3	9.8
S	.2	1.8	1.9	1.1	.1	.2						5.3	9.0
SSW	.1	1.6	.9	1.0	.1	.1						3.7	8.6
SW	.1	1.1	1.7	1.6	.3							4.8	10.0
WSW	.3	1.1	1.2	1.6	.3							5.6	8.8
W	.2	2.7	4.6	1.8	.6	.1						9.9	9.2
WNW	.8	2.8	2.0	1.3	.3		.2					7.4	8.7
NW	.4	2.7	3.3	2.4	1.1	.1						10.1	10.0
NNW	.2	3.0	2.8	1.3	.4							7.8	8.6
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	22.1	//////
TOTALS	3.3	22.8	29.2	16.6	4.9	.9	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 908

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.3	1.5	.9	.3	.1	.0					4.3	9.6
NNE	.1	.8	1.6	.9	.3	.1	.0					3.9	10.4
NE	.2	1.2	2.1	1.2	.5	.1	.0					5.2	10.1
ENE	.1	1.5	2.3	1.0	.2	.0						5.2	9.0
E	.1	1.0	1.5	.5	.1	.0						3.3	8.4
ESE	.1	.5	.6	.6	.1	.1						1.9	10.1
SE	.1	.6	.8	.5	.1	.0						2.2	9.4
SSE	.1	.8	.7	.6	.1							2.3	9.1
S	.2	1.5	1.9	.9	.1	.1						4.7	8.7
SSW	.1	.9	1.2	1.1	.3	.0	.0					3.7	10.2
SW	.1	1.1	2.3	2.0	.7	.2	.0					6.4	11.2
WSW	.2	1.1	2.6	2.6	.8	.0	.0					7.5	11.0
W	.3	2.1	3.6	2.8	.7	.2	.0					9.7	10.3
WNW	.4	1.8	3.3	2.5	.5	.1	.0					8.6	10.2
NW	.2	2.1	3.4	2.5	.5	.0						8.8	9.9
NNW	.2	1.9	2.7	1.4	.3	.0						6.5	9.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	15.7	//////
TOTALS	2.7	23.1	32.2	22.2	5.7	1.1	.2					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 7194

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.3	1.7	.4	.1							3.8	8.0
NNE	.1	.2	1.0	.4	.2							2.0	10.6
NE	.2	.2	1.0	.2	.4							2.1	10.5
ENE	.1	.5	1.0	.8	.2							2.6	10.2
E	.1	1.1	1.1	1.0	.2	.3						3.8	10.2
ESE		.3	.4	.1	.1	.2						1.2	11.2
SE	.1	.2	.7	.4								1.4	9.8
SSE	.2	.7	.8	.7	.3							2.6	9.8
S	.3	.7	1.2	.7	.1							2.9	8.3
SSW		.8	.4	.4								1.6	8.3
SW	.2	.5	.5	1.4	.4							3.1	11.1
WSW	.1	1.1	2.8	1.7	1.0		.1					6.8	11.2
W	.3	3.7	4.9	3.3	1.6	.4						14.6	10.2
WNW	.4	3.9	4.2	4.4	.7	.4						14.1	9.9
NW	.3	2.7	4.7	1.6	.7	.3						10.3	9.4
NNW	.5	1.2	2.9	1.1	.2							6.0	8.8
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	21.1	//////
TOTALS	3.8	19.1	29.3	18.6	6.3	1.7	.1					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 423

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	1.1	2.2	.5								4.1	7.8
NNE	.1	.5	.8	1.0	.2							2.6	10.8
NE	.1	.7	.4	.5	.4							2.2	10.6
ENE	.1	.7	1.3	.8								2.8	9.2
E	.1	.7	1.0	.8	.2	.4						3.2	11.4
ESE	.1	.3	.5		.3	.1						1.4	11.2
SE		.2	.3	.2	.1							.9	10.5
SSE		.3	1.0	.2								1.5	8.3
S		.3	2.0	1.0	.3							3.6	10.6
SSW	.1	.4	.1	.5	.1							1.3	10.0
SW	.1	.4	1.2	1.0	.3	.2						3.3	11.8
WSW	.3	1.3	2.6	1.9	1.3	.1						7.5	11.2
W	.4	2.6	5.3	3.4	.8	.2						12.9	10.1
WNW	.8	2.9	4.0	4.7	.7							13.1	9.8
NW	.5	3.8	3.7	2.0	1.0	.1						11.1	9.0
NNW	.2	2.2	2.5	1.5	.5	.1						7.1	9.4
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	21.5	//////
TOTALS	3.4	16.5	29.0	19.9	6.3	1.4						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 918

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0600-0800

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	2.3	1.9	.8	.1							5.4	7.7
NNE	.3	.3	.6	1.0	.3							2.6	10.8
NE	.1	.2	1.0	.5		.2						2.1	11.2
ENE	.3	.3	1.3	.3	.2							2.5	9.5
E	.5	.5	.6	.5	.2							2.6	8.5
ESE		.1	.3	.9	.1	.1						1.5	13.0
SE		.9	.8	.4	.2	.2						2.5	10.6
SSE	.1	1.0	.6	.5								2.4	8.0
S		1.0	1.0	.3	.1							2.4	8.4
SSW	.2	.2	.2	.3	.2	.1						1.7	11.8
SW		.3	1.3	1.5	.2							3.4	11.4
WSW	.2	1.3	1.9	2.1	1.6	.1		.2				7.5	12.8
W	.5	2.6	4.7	3.6	.5	.1						12.0	9.8
WNW	.3	2.6	4.0	3.9	.6	.2						11.7	10.2
NW	1.1	3.8	3.7	3.9	.3	.1						12.9	9.0
NNW	.4	2.2	3.4	1.0		.1						7.0	8.1
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	19.9	//////
TOTALS	4.5	19.6	27.6	22.0	4.9	1.7		.2				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS: 924

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0900-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.8	1.6	1.1	.3	.1	.1					5.3	9.3
NNE	.3	1.1	.9	1.8	.4							4.5	10.2
NE	.1	1.0	.5	.9	.4	.1						3.3	10.4
ENE	.1	.8	.4	.8	.5							2.5	10.2
E	.2	.5	1.3	.5	.1							2.7	9.0
ESE		.3	.9	.9								1.9	11.3
SE		.4	1.1	.6	.1							2.5	9.4
SSE	.1	.7	.5	.6	.1	.1						2.1	10.7
S		.9	1.7	.3								2.4	8.7
SSW		.2	1.6	1.2	.5							3.5	11.7
SW	.1	.8	1.7	1.0	.6	.1						3.9	11.3
WSW		.2	2.4	4.4	1.7	.3	.1					9.0	13.4
W	.2	.9	2.5	5.9	1.7	.7	.1					12.1	12.1
WNW		1.7	3.3	5.3	.5	.1						11.1	11.2
NW	.1	.2	4.9	4.2	1.7	.7						11.9	11.5
NNW	.2	.9	4.4	5.2	.7		.2					12.7	10.2
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	5.5	//////
TOTALS	1.7	14.1	34.1	37.5	9.7	1.3	.5					100.0	11.1

TOTAL NUMBER OF OBSERVATIONS: 5[illegible]

GLOBAL CLIMATOLOGY BRANCH
U AFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1200-1400

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N		1.2	1.5	1.4	.5		.2					4.1	11.2
NNE	.1	.6	1.4	1.5	.5	.1						4.3	11.2
NE	.2	.4	1.0	1.1	.3							2.9	11.0
ENE		.2	1.2	1.1	.2							2.7	9.9
E		1.1	.4	.2	.2							2.7	9.5
ESE		.2	.4	.2	.2							2.9	10.3
SE		.1	.2	.1	.1							1.4	11.1
SSE		.4	.5	.2								1.9	9.9
S	.1	.6	.3	.2	.1							5.3	9.2
SSW		.3	1.2	.5	.3							2.1	10.5
SW	.1	.4	1.2	.7	.3	.1						5.7	12.3
WSW		1.2	3.1	5.9	1.4	.2						11.7	12.7
W		.2	4.3	6.7	1.6	.2	.1					13.6	12.8
WNW	.1	1.4	2.7	3.1	.2	.1						11.1	12.6
NW	.1	.5	2.3	5.1	1.4	.1						11.1	12.3
NNW	.2	.2	1.6	.2	.4	.1	.1					2.8	10.7
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	4.3	//////
TOTALS	1.1	12.7	27.8	50.5	15.1	2.4	.5					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS: 2[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1500-1700

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	1.2	1.6	1.0	.1	[illegible]						4.4	9.2
NNE	.4	.4	1.9	.5	.6							4.1	10.1
NE	.1	.8	1.2	1.0	.2							3.2	9.7
ENE	.4	1.2	1.2	.9	.2							3.9	8.6
E	.3	1.1	1.1	.5	.3							3.3	8.8
ESE		.3	.1	.8	.2							1.4	12.2
SE	.2	.2	.8	.6	.2							2.0	10.8
SSE	.1	.4	.4	.3	.1							1.4	9.2
S	.1	1.9	1.6	1.0								4.6	8.0
SSW		1.4	1.2	.6	.3	.1						3.7	9.4
SW		1.2	1.6	2.7	.6	.1						6.2	11.2
WSW	.1	2.2	3.3	4.5	.9	.1						11.1	10.8
W	.4	3.1	3.7	4.3	1.3	.6						13.4	10.8
WNW	.4	1.8	3.5	2.7	1.2	.2	.1					[illegible]	11.0
NW		2.9	4.5	3.2	.9	.4						11.9	10.6
NNW		1.5	2.0	1.0	.6	.1						[illegible]	10.2
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	[illegible]	//////
TOTALS	3.0	21.6	30.1	25.7	7.6	1.5	.1					100.0	9.3

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
USAFETAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1[illegible]-2[illegible]

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.0	.5	1.0	.4							3.1	9.8
NNE	.1	.9	.4	.4	.3							2.1	9.0
NE		.6	.6	.9	.2	.1						2.5	11.9
ENE		.6	1.1	1.1	.2							3.1	11.4
E	.4	1.7	.8	1.3	.1							4.3	9.3
ESE	.2	.3	.2	.3								1.1	7.9
SE	.2	.8	.3	.5	.3							2.2	9.1
SSE		.4	.6	.2	.2	.1						1.6	13.7
S	.1	1.6	1.3	.5	.2							3.8	8.4
SSW	.5	1.1	1.4	.9								3.9	7.8
SW	.2	.9	1.0	2.1	.4							4.5	11.0
WSW	.2	1.6	2.2	2.9	.8		.1					7.8	11.7
W	.5	2.8	3.2	1.9	1.8	.3						10.8	11.6
WNW	.6	2.5	2.5	2.6	.9	.3						9.8	10.2
NW	.9	2.3	3.7	2.9	.6	.3						11.0	10.1
NNW	.4	2.3	1.9	1.3	.5	.1						6.6	9.2
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	20.2	//////
TOTALS	4.8	21.8	21.9	25.5	7.1	1.2	.1					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	.3	1.1	.2	.3	.1						2.4	9.6
NNE	.3	.4	.6	.5		.1						2.1	9.7
NE	.3	.6	.6	.5	.2	.1						2.5	9.9
ENE		.6	.3	1.4	.5							2.9	12.4
E	.2	1.3	1.1	1.1								3.7	8.1
ESE	.2	.1	.3	.6	.6							1.9	12.8
SE		.2	.6	.3	.1							1.4	9.8
SSE	.1	1.4	.2	.2								1.9	8.3
S	.1	.6	1.4	.3	.2	.1						2.8	9.8
SSW	.2	.9	.4	1.2				.1				2.8	13.1
SW	.3	.5	1.5	1.6	.6	.1						4.9	11.5
WSW	.1	.9	1.9	1.8	1.2	.2						6.2	11.9
W	.3	2.5	2.9	3.4	.9	.7						11.7	10.2
WNW	.4	2.8	3.6	2.5	.6	.2						10.6	9.6
NW	.6	3.0	4.8	2.6	1.2	.2	.1					12.9	10.3
NNW	.2	1.1	2.1	2.2	.4	.1						7.1	9.4
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	23.4	//////
TOTALS	4.9	19.5	23.1	21.2	7.0	1.4	.1	.1				100.2	7.8

TOTAL NUMBER OF OBSERVATIONS: 2424

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.7	1.6	.3	.2	.1	.1					4.2	9.1
NNE	.2	.6	1.0	.7	.3	.1						3.0	10.4
NE	.1	.6	.9	.5	.7	.1						2.4	11.5
ENE	.1	.7	1.0	.9	.2							2.9	10.0
E	.2	1.0	1.0	.4	.2	.1						3.3	9.2
ESE	.1	.3	.4	.5	.2	.1						1.6	11.2
SE	.1	.4	.6	.5	.1	.1						1.9	10.2
SSE	.1	.6	.7	.4	.1	.						1.9	9.0
S	.1	1.1	1.3	.6	.1	.						3.2	8.8
SSW	.1	.7	.6	.4	.2	.1		.				2.7	9.9
SW	.1	.6	1.0	1.7	.5	.1						4.4	11.5
WSW	.1	1.2	2.5	3.2	1.1	.1	.	.				8.4	11.9
W	.4	2.9	4.6	4.1	1.7	.4	.					13.1	10.8
WNW	.4	2.5	3.4	3.7	.9	.2	.					11.2	10.6
NW	.5	2.9	4.1	3.2	1.0	.	.1					11.8	10.3
NNW	.3	1.5	2.6	1.7	.4	.1	.					7.2	9.6
VARIABLE													
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	16.3	//////
TOTALS	3.3	19.2	27.4	24.7	7.7	1.6	.2	.				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 74[illegible]

USCLIMAT CLIMATOLOGY (HAVON)
C AFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725087 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: ALL HOURS(LST): ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.3	1.7	1.9	1.7	.3	.1	.0	.0				5.6	9.4
NNE	.2	1.1	1.6	1.6	.6	.2	.0	.0				5.3	11.0
NE	.2	1.2	1.7	1.2	.4	.1	.0	.0		.0		4.7	10.0
ENE	.2	1.0	1.3	.7	.2	.1	.0	.0				3.4	9.1
E	.2	.9	.9	.4	.1	.0	.0	.0				2.6	8.4
ESE	.1	.5	.6	.4	.1	.0	.0					1.8	9.4
SE	.1	.6	.8	.4	.1	.0	.0					2.0	8.8
SSE	.2	.9	.9	.4	.1	.0		.0				2.4	8.2
S	.3	1.8	2.0	.9	.2	.0	.0					5.2	8.3
SSW	.2	1.4	1.9	1.2	.3	.0	.0	.0				5.0	9.3
SW	.2	1.7	2.5	2.2	.5	.1	.0					7.3	10.1
WSW	.3	2.2	3.7	3.3	.8	.1	.0	.0				10.3	10.3
W	.4	2.7	3.5	2.5	.7	.1	.0					9.7	9.6
WNW	.2	1.6	2.4	1.9	.5	.1	.0					6.8	10.0
NW	.2	1.7	2.3	1.7	.4	.1	.0					6.4	9.8
NNW	.3	1.0	1.8	1.2	.3	.0	.0	.0				5.0	9.1
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	16.3	//////
TOTALS	3.5	22.6	29.5	21.2	5.4	1.0	.2	.0		.0		100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 87763

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

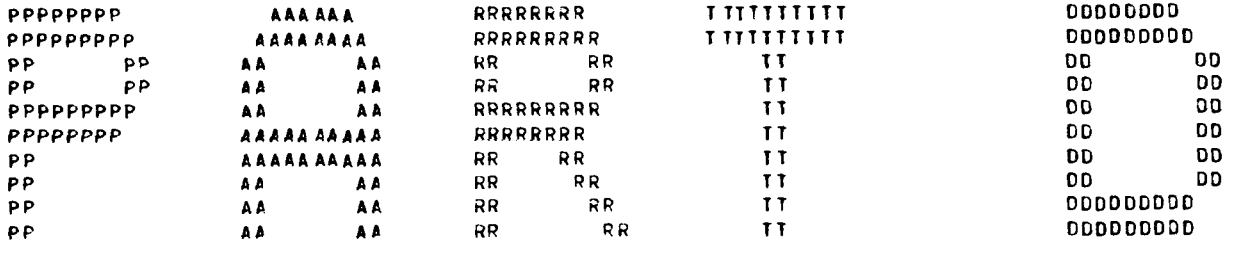
STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: ALL HOURS(LST): ALL

CEILINGS 200 TO 1400 FEET WITH VISIBILITIES 1/2 MILE OR MORE
AND/OR
CEILINGS 200 FEET OR MORE WITH VISIBILITIES 1/2 TO 2-1/2 MILES

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56	TOTAL %	MEAN WIND
N	.2	1.8	2.7	2.6	1.0	.3	.1					8.6	11.2
NNE	.2	1.2	2.6	3.0	1.5	.5	.1	.0				9.2	12.7
NE	.1	1.4	2.3	2.2	1.0	.3	.1	.0		.0		7.5	11.9
ENE	.1	1.3	1.8	1.3	.7	.1	.0	.0				5.3	10.7
E	.2	1.1	1.7	1.1	.4	.1	.0	.0				4.8	10.2
ESE	.1	.6	1.0	1.1	.4	.2	.0					3.4	11.6
SE	.1	.7	1.2	.9	.5	.1	.0					3.5	10.9
SSE	.1	.9	1.1	.8	.3	.1		.0				3.4	10.1
S	.3	1.8	2.9	1.7	.5	.1	.0					7.3	9.8
SSW	.1	1.4	2.3	2.0	.6	.1	.0	.0				6.5	10.7
SW	.2	1.5	2.7	3.1	.8	.1	.0					8.5	11.0
WSW	.2	1.9	3.4	3.5	1.2	.1	.0					10.3	10.9
W	.2	1.8	1.9	1.1	.3	.1	.0					5.4	9.1
WNW	.1	.4	.5	.3	.1	.0						1.5	8.9
NW	.1	.7	.9	.5	.1	.0						2.2	9.1
NNW	.1	.8	1.3	.8	.3	.1	.0					3.4	10.4
VARIABLE													
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	9.2	//////
TOTALS	2.6	19.2	30.4	26.1	9.5	2.5	.5	.1		.0		100.0	9.8

TOTAL NUMBER OF OBSERVATIONS: 16147


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CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIRVARIATE FREQUENCY DISTRIBUTION BY CLASSES OF CEILING FROM "0" THROUGH EQUAL TO OR GREATER THAN 20,000 FEET AND AS A SEPARATE CLASS "NO CEILING", VERSUS VISIBILITY IN 16 CLASSES FROM ZERO THROUGH EQUAL TO OR GREATER THAN 10 MILES.

DATA DERIVED FROM HOURLY OBSERVATIONS.

FREQUENCY DISTRIBUTION PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

NOTES:

BEGINNING IN 1966, METAR STATIONS REPORTED VISIBILITIES TO 6 MILES AND GREATER THAN 6 MILES. THEREFORE THE COLUMN FOR VISIBILITIES EQUAL TO OR GREATER THAN 10 MILES APPEAR BLANK.

AS A RULE, AIRWAYS STATIONS NORMALLY REPORT VISIBILITIES TO 6 MILES AND 7 OR GREATER, HOWEVER SOME STATIONS REPORT HIGHER VALUES. THEREFORE, THE 10 MILE VISIBILITY COLUMN SOMETIMES CONTAIN SMALL PERCENTAGE VALUES. HOWEVER, THESE VALUES ARE OF LITTLE MEANING AND SHOULD BE DISREGARDED.

FOR METAR CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS ABOVE 5000 FEET WERE SUPPESSED TO 5000 FEET. THEREFORE, NO PERCENT VALUES APPEAR ABOVE 5000 FEET.

SKY COVER SUMMARY

PRESENTS PERCENTAGES OF SKY COVER IN EITHER 10THS OF COVERAGE OR "AIRWAYS CLASSIFICATIONS".

DATA SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

ALSO PRESENTED ARE MEAN SKY COVERS.

FOR AIRWAY STATIONS, THE CONVERSION FROM THE AIRWAYS DESIGNATIONS TO 10THS FOR PRESENTATION ARE:

CLEAR	-	0/10
SCATTERED	-	3/10
BROKEN	-	9/10
OVERCAST	-	10/10
OBSCURED	-	10/10

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGF MA

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	51.5	54.9	55.6	55.2	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.5
GE 20000	52.7	56.1	56.4	56.7	56.7	56.7	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0
GE 18000	52.8	56.2	56.5	56.8	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1
GE 16000	52.8	56.2	56.5	56.8	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1
GE 14000	53.4	56.8	57.1	57.5	57.5	57.5	57.7	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1
GE 12000	54.2	57.7	58.0	58.3	58.3	58.3	58.6	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0
GE 10000	56.6	60.7	61.2	61.5	61.5	61.5	61.7	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2
GE 9000	56.6	60.7	61.2	61.5	61.5	61.5	61.7	62.1	62.1	62.1	62.1	62.1	62.2	62.2	62.2	62.2
GE 8000	57.9	62.4	62.9	63.2	63.2	63.2	63.5	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9
GE 7000	58.6	63.1	63.7	64.0	64.0	64.0	64.2	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7
GE 6000	59.7	64.6	65.1	65.4	65.4	65.4	65.6	66.0	66.0	66.0	66.0	66.0	66.1	66.1	66.1	66.1
GE 5000	63.2	68.7	69.2	69.6	69.6	69.6	69.8	70.1	70.1	70.1	70.1	70.1	70.2	70.2	70.2	70.2
GE 4500	64.6	70.4	71.0	71.3	71.3	71.3	71.5	71.9	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0
GE 4000	66.3	72.5	73.2	73.5	73.5	73.5	73.7	74.0	74.0	74.0	74.0	74.0	74.2	74.2	74.2	74.2
GE 3500	66.8	73.4	74.0	74.4	74.4	74.4	74.6	74.9	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.0
GE 3000	68.6	75.9	76.7	77.1	77.1	77.2	77.4	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2
GE 2500	69.2	77.4	78.2	78.7	78.7	78.8	79.1	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8
GE 2000	70.9	79.4	80.0	81.4	81.5	81.7	82.0	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8
GE 1800	70.9	79.4	80.0	81.5	81.6	81.6	82.1	82.8	82.8	82.8	82.8	82.8	82.9	82.9	82.9	82.9
GE 1500	70.9	80.3	81.7	82.7	82.9	83.1	83.5	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3
GE 1200	71.3	80.9	82.3	83.5	84.4	84.6	85.1	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8
GE 1000	71.8	81.7	83.1	84.3	85.2	85.4	85.8	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6
GE 900	71.8	81.7	83.3	84.5	85.4	85.6	86.0	86.7	86.7	86.7	86.7	86.7	86.8	86.8	86.8	86.8
GE 800	71.8	81.8	83.5	84.8	86.2	86.6	87.2	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0
GE 700	72.2	82.3	84.3	86.0	87.4	87.8	89.0	89.7	89.7	89.7	89.7	89.7	89.9	89.9	89.9	89.9
GE 600	72.2	82.3	84.6	86.5	88.2	88.9	90.2	91.3	91.3	91.4	91.4	91.4	91.6	91.6	91.6	91.6
GE 500	72.2	82.4	85.1	87.0	89.1	89.7	91.3	92.5	92.5	92.6	92.6	92.6	92.9	92.9	92.9	92.9
GE 400	72.2	82.7	85.3	87.5	89.7	90.4	92.3	94.0	94.0	94.2	94.2	94.2	94.7	94.7	94.7	94.7
GE 300	72.3	82.9	85.5	87.7	90.0	91.1	93.3	96.2	96.2	96.6	97.2	97.2	97.6	97.6	97.6	97.6
GE 200	72.3	82.9	85.5	87.7	90.0	91.1	93.3	96.6	96.6	97.6	98.0	98.1	98.8	98.8	99.0	99.0
GE 100	72.3	82.9	85.5	87.7	90.0	91.1	93.3	96.6	96.6	97.6	98.3	98.4	99.2	99.2	99.9	99.9
GE 0	72.3	82.9	85.5	87.7	90.0	91.1	93.3	96.6	96.6	97.6	98.3	98.4	99.2	99.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	48.5	52.7	52.8	53.4	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 20000	49.7	54.0	54.1	54.7	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 18000	49.8	54.1	54.2	54.9	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 16000	49.8	54.1	54.2	54.9	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 14000	50.7	55.0	55.1	55.7	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 12000	51.7	55.9	56.1	56.7	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 10000	54.6	59.3	59.4	60.2	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 9000	55.1	59.8	59.9	60.6	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 8000	56.6	61.4	61.5	62.3	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 7000	56.7	61.6	61.7	62.5	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 6000	56.9	61.9	62.1	62.8	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 5000	60.9	67.1	67.2	68.2	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 4500	62.1	68.8	68.9	69.9	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 4000	64.0	70.6	70.9	71.9	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 3500	64.9	72.1	72.4	73.4	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 3000	66.1	73.6	73.9	74.9	75.6	75.6	75.7	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 2500	67.0	75.4	75.7	76.7	77.3	77.3	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 2000	69.0	77.9	78.2	79.7	80.5	80.5	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 1800	69.2	78.3	78.7	80.3	81.0	81.0	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 1500	70.1	79.3	79.8	81.6	82.7	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 1200	70.2	79.4	80.5	82.3	83.9	83.9	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 1000	70.8	80.2	81.2	83.1	84.7	84.7	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	86.0	86.0
GE 900	71.0	80.4	81.5	83.3	85.1	85.1	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.6	86.6
GE 800	71.1	80.6	81.8	83.6	85.5	85.5	86.6	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.4	87.4
GE 700	71.4	81.0	82.4	84.3	86.4	86.5	87.9	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.8	88.8
GE 600	71.5	81.2	82.9	85.2	87.5	87.7	89.2	89.5	89.5	89.9	90.0	90.0	90.0	90.0	90.3	90.3
GE 500	71.6	81.2	83.0	85.5	88.3	88.7	90.6	90.9	90.9	91.4	91.5	91.6	91.7	91.7	91.7	92.0
GE 400	71.6	81.2	83.1	85.8	88.9	89.1	91.2	91.7	91.7	92.4	92.5	92.6	92.9	92.9	92.9	93.2
GE 300	71.6	81.2	83.1	86.0	89.4	90.1	92.9	93.6	93.6	94.5	94.7	94.8	95.3	95.3	95.5	95.9
GE 200	71.6	81.2	83.1	86.0	89.4	90.1	93.1	93.9	94.0	95.4	96.1	96.5	97.5	97.7	98.3	98.6
GE 100	71.6	81.2	83.1	86.0	89.4	90.1	93.1	93.9	94.0	95.4	96.1	96.5	97.9	98.1	99.3	99.7
GE 0	71.6	81.2	83.1	86.0	89.4	90.1	93.1	93.9	94.0	95.4	96.1	96.5	97.9	98.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 917

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	41.0	44.1	44.2	44.4	44.4	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 20000	44.7	47.9	48.2	48.4	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 18000	44.9	48.2	48.4	48.6	48.7	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 16000	44.9	48.2	48.4	48.6	48.7	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 14000	46.5	49.9	50.1	50.3	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 12000	47.3	50.6	50.9	51.1	51.2	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 10000	51.1	54.8	55.2	55.4	55.5	55.6	55.7	55.7	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9
GE 9000	51.2	55.1	55.5	55.7	55.8	55.9	56.0	56.0	56.0	56.2	56.3	56.3	56.3	56.3	56.3	56.3
GE 8000	54.5	58.6	59.3	59.5	59.8	59.9	60.0	60.0	60.0	60.2	60.3	60.3	60.3	60.3	60.3	60.3
GE 7000	55.2	59.5	60.4	60.6	61.0	61.1	61.2	61.2	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4
GE 6000	56.0	60.8	61.7	62.0	62.4	62.5	62.6	62.6	62.6	62.7	62.9	62.9	62.9	62.9	62.9	62.9
GE 5000	59.4	64.6	65.6	66.2	66.8	67.0	67.1	67.1	67.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5
GE 4500	60.4	66.2	67.2	67.6	68.3	68.4	68.5	68.5	68.6	68.8	68.9	68.9	68.9	68.9	68.9	68.9
GE 4000	61.3	67.2	68.3	68.7	69.4	69.5	69.7	69.7	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.1
GE 3500	62.3	68.9	70.0	70.5	71.4	71.5	71.6	71.6	71.7	71.9	72.0	72.0	72.0	72.0	72.0	72.0
GE 3000	64.1	71.1	72.2	72.9	74.0	74.1	74.2	74.2	74.3	74.5	74.6	74.6	74.6	74.6	74.6	74.6
GE 2500	65.7	73.7	75.1	75.8	76.9	77.1	77.2	77.2	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6
GE 2000	67.0	76.1	77.6	78.6	80.0	80.3	80.5	80.5	80.6	81.1	81.2	81.2	81.2	81.2	81.2	81.2
GE 1800	67.0	76.1	77.6	78.6	80.0	80.3	80.5	80.5	80.6	81.1	81.2	81.2	81.2	81.2	81.2	81.2
GE 1500	68.4	78.0	79.5	80.9	82.4	82.7	82.8	82.9	83.0	83.6	83.7	83.7	83.7	83.7	83.7	83.7
GE 1200	68.6	78.6	80.3	81.9	83.6	83.9	84.1	84.2	84.3	84.9	85.0	85.0	85.0	85.0	85.0	85.0
GE 1000	68.6	78.6	80.3	82.1	83.9	84.2	84.7	84.8	84.9	85.4	85.5	85.5	85.5	85.5	85.6	85.6
GE 900	68.7	78.7	80.6	82.2	84.1	84.6	85.0	85.1	85.2	85.7	85.9	85.9	85.9	85.9	86.0	86.0
GE 800	68.9	78.9	80.6	82.4	84.7	85.1	85.5	85.7	85.9	86.4	86.6	86.6	86.6	86.6	86.7	86.7
GE 700	68.9	79.2	81.3	82.9	85.3	85.7	86.4	86.6	86.7	87.3	87.5	87.5	87.5	87.5	87.6	87.6
GE 600	68.9	79.4	81.7	83.4	86.0	86.4	87.3	87.9	88.0	88.6	88.9	88.9	88.9	88.9	89.0	89.0
GE 500	68.9	79.4	81.9	83.7	86.5	86.9	88.6	89.3	89.5	90.3	90.7	90.7	90.7	90.7	90.9	90.9
GE 400	68.9	79.4	82.0	83.8	86.9	87.3	89.2	90.1	90.4	91.3	91.8	91.9	92.1	92.1	92.3	92.3
GE 300	68.9	79.4	82.1	84.0	87.9	88.4	90.7	91.7	92.0	93.2	94.0	94.1	94.3	94.4	95.2	95.4
GE 200	68.9	79.4	82.1	84.0	87.9	88.4	90.8	92.1	92.4	93.7	95.1	95.4	96.3	96.4	97.8	97.9
GE 100	68.9	79.4	82.1	84.0	87.9	88.4	90.8	92.1	92.4	93.8	95.5	95.7	97.0	97.1	98.8	99.0
GE 0	68.9	79.4	82.1	84.0	87.9	88.4	90.8	92.1	92.4	93.8	95.6	95.8	97.1	97.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	43.6	43.4	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 20000	44.4	47.7	48.3	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 18000	44.8	48.3	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
GE 16000	45.1	48.5	49.0	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 14000	46.2	49.9	50.4	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
GE 12000	48.1	51.7	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 10000	50.9	54.6	55.4	55.8	56.0	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 9000	50.9	54.6	55.4	55.8	56.0	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 8000	53.9	58.4	59.1	59.7	60.1	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 7000	54.3	58.8	59.6	60.1	60.5	60.6	60.6	60.6	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 6000	54.5	59.2	60.0	60.5	61.0	61.2	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 5000	56.3	61.5	62.3	62.9	63.4	63.6	63.6	63.6	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 4500	57.2	63.1	64.0	64.6	65.2	65.5	65.6	65.6	65.6	65.8	65.8	65.6	65.8	65.8	65.8	65.8
GE 4000	58.9	65.3	66.1	66.8	67.3	67.6	67.8	67.6	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 3500	60.3	67.4	68.4	69.1	69.7	70.0	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 3000	61.9	70.3	71.5	72.3	72.8	73.1	73.3	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 2500	63.3	71.9	73.2	74.1	74.6	75.6	75.8	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 2200	64.5	73.7	75.3	76.2	77.4	78.2	78.4	78.5	78.8	79.0	79.1	79.1	79.1	79.1	79.1	79.1
GE 2000	64.9	74.3	75.7	76.7	77.8	78.6	78.8	78.9	79.2	79.5	79.6	79.6	79.6	79.6	79.6	79.6
GE 1800	65.7	75.3	77.2	78.4	79.6	80.3	81.0	81.3	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0
GE 1600	65.9	76.0	78.1	79.1	80.9	81.6	82.3	82.7	83.1	83.3	83.4	83.4	83.4	83.4	83.4	83.4
GE 1400	66.1	76.6	78.6	80.1	81.8	82.6	83.4	84.0	84.4	84.7	84.8	84.8	84.9	84.9	84.9	84.9
GE 1300	66.1	76.9	79.1	80.2	81.9	82.7	83.8	84.4	84.8	85.2	85.3	85.3	85.4	85.4	85.4	85.4
GE 1200	66.1	77.0	79.2	80.3	82.2	82.9	84.0	84.7	85.2	85.6	85.9	85.9	86.0	86.0	86.0	86.0
GE 1100	66.1	77.0	79.2	80.5	82.7	83.4	84.6	85.6	86.0	86.5	86.8	86.8	86.9	86.9	86.9	86.9
GE 1000	66.1	77.0	79.2	80.6	83.2	84.4	85.8	87.0	87.4	88.0	88.3	88.3	88.4	88.4	88.4	88.4
GE 900	66.1	77.1	79.6	81.2	83.9	85.3	87.0	88.6	89.0	89.8	90.1	90.1	90.2	90.2	90.2	90.2
GE 800	66.1	77.2	79.7	81.5	84.3	85.7	87.7	89.6	90.0	91.0	91.5	91.6	91.8	91.8	91.8	91.8
GE 700	66.1	77.2	79.7	81.5	84.4	85.8	88.0	90.2	90.8	91.9	93.0	93.5	93.9	93.9	94.1	94.1
GE 600	66.1	77.2	79.7	81.5	84.4	85.9	88.3	90.6	91.3	93.0	94.4	95.2	95.9	95.9	96.7	96.7
GE 500	66.1	77.2	79.7	81.5	84.4	85.9	88.3	90.6	91.3	93.4	95.1	95.8	97.3	97.6	99.1	99.4
GE 0	66.1	77.2	79.7	81.5	84.4	85.9	88.3	90.6	91.3	93.5	95.2	95.9	97.4	97.7	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 95

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
AFETAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 72506 STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
[illegible]	[illegible]	42.5	42.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
[illegible]	44.4	46.6	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
[illegible]	44.4	46.9	47.5	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
[illegible]	44.6	46.9	47.5	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
[illegible]	47.1	49.6	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
[illegible]	49.5	51.2	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
[illegible]	51.6	54.3	55.0	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
[illegible]	51.6	54.3	55.0	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
[illegible]	54.5	57.5	58.7	58.8	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
[illegible]	55.4	58.6	59.4	59.5	59.6	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
[illegible]	56.1	59.5	60.4	60.5	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
[illegible]	57.5	61.6	62.7	63.0	63.4	63.4	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
[illegible]	57.7	62.2	63.1	63.5	63.9	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
[illegible]	58.4	63.1	64.2	64.4	64.5	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
[illegible]	60.3	65.0	66.7	66.9	67.4	67.5	67.6	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
[illegible]	60.2	65.9	70.1	70.4	71.2	71.3	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
[illegible]	65.2	72.1	73.4	73.7	74.4	74.5	74.6	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
[illegible]	67.3	74.3	76.1	76.6	77.6	77.7	77.9	78.1	78.2	78.3	78.3	78.3	78.5	78.5	78.5	78.5
[illegible]	67.6	74.6	76.4	76.6	77.8	78.1	78.2	78.5	78.7	78.9	79.0	79.0	79.2	79.2	79.2	79.2
[illegible]	68.5	75.6	77.7	78.1	79.7	79.8	80.2	80.5	80.6	80.6	80.8	80.8	81.0	81.0	81.0	81.0
[illegible]	69.1	76.9	78.9	79.6	81.4	81.6	82.5	82.8	83.0	83.2	83.2	83.2	83.4	83.4	83.4	83.4
[illegible]	69.7	77.5	79.4	80.0	82.1	82.5	83.6	83.9	84.0	84.3	84.4	84.4	84.6	84.6	84.6	84.6
[illegible]	69.7	77.6	79.5	80.4	82.4	82.7	84.0	84.6	84.8	85.0	85.1	85.1	85.3	85.3	85.3	85.3
[illegible]	69.7	77.9	80.0	81.1	83.2	83.4	84.9	85.7	86.2	86.5	86.7	86.8	86.8	87.1	87.1	87.1
[illegible]	69.8	78.0	80.1	81.0	84.1	84.4	86.6	87.2	87.5	87.9	88.0	88.0	88.2	88.2	88.2	88.2
[illegible]	69.9	78.3	80.7	82.0	84.7	85.5	87.5	88.1	88.5	89.3	89.4	89.4	89.6	89.6	89.6	89.6
[illegible]	69.9	79.0	81.4	82.7	85.5	86.5	89.1	90.2	90.6	91.6	91.7	91.7	91.9	91.9	91.9	91.9
[illegible]	69.9	79.0	81.4	82.7	85.7	86.9	89.9	91.7	92.1	93.3	93.5	93.5	94.0	94.0	94.0	94.0
[illegible]	69.9	79.0	81.4	82.7	85.7	86.9	90.0	92.3	92.9	94.3	95.0	95.0	95.7	95.7	95.7	95.7
[illegible]	69.9	79.0	81.4	82.7	85.7	87.0	90.0	92.9	93.4	95.8	97.2	97.4	98.2	98.3	98.5	98.6
[illegible]	69.9	79.0	81.4	82.7	85.7	87.0	90.0	92.9	93.4	95.9	97.4	97.6	98.9	99.2	99.7	99.9
	69.9	79.0	81.4	82.7	85.7	87.0	90.0	92.9	93.4	95.9	97.4	97.6	98.9	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

...AL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
...AFETAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725... STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 1500-1700

CEILING	VISIBILITY IN STATUTE MILES															
FEET	0	GE 1/4	GE 1/2	GE 3/4	GE 1	GE 1 1/4	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10
GE CEIL	41.7	44.4	44.9	45.1	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
...	44.6	48..	48..	48.6	49..	49.6	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
...	45.1	48.4	48.9	49..	49..	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
...	45.1	48.4	48.9	49..	49..	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
...	46..	50..	50..	50.9	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
...	49..	52.5	53..	53.1	53..	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
...	51.6	55..	56.1	56.2	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
...	51.7	55.4	56..	56..	56..	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
...	54.7	58..	59..	59..	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
...	54..	57.4	60..	60..	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
...	56.9	61..	62..	62.7	63.3	63.5	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
...	57..	63.7	64.7	64..	65..	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
...	58..	64..	65..	65.4	66..	66.3	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
...	60..	66..	67..	67.7	68..	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
...	61.7	67.6	69..	69.6	70.5	70.9	71..	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
...	67..	71.3	72..	73.3	74.2	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
...	65.7	72.9	74..	75..	76..	76.3	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
...	67..	76.1	78.1	78.7	79..	80.1	80.2	80.6	80.8	80.9	81.1	81.1	81.1	81.1	81.1	81.1
...	68..	76.3	78..	78..	80.1	81.5	81.6	81.1	81.2	81.3	81.5	81.5	81.5	81.5	81.5	81.5
...	68.3	78..	80..	80.6	81..	82.5	83.6	83.2	83.3	83.4	83.7	83.7	83.7	83.7	83.7	83.7
...	68.7	78.6	81.9	81.9	83.1	84.6	84.8	84.8	84.8	84.9	85.2	85.2	85.2	85.2	85.2	85.2
...	68.7	78.7	81.1	82.5	83.7	84.1	84.3	84.4	84.5	85.2	85.3	85.5	85.5	85.5	85.5	85.5
...	68.7	78.7	81..	82.5	84.1	84.7	85.1	85.7	85.9	86.0	86.2	86.2	86.2	86.2	86.2	86.2
...	68.7	78.9	81.7	83.0	84.6	85.4	86.1	86.6	87.1	87.2	87.6	87.6	87.6	87.6	87.6	87.6
...	68.7	79.1	82..	83.5	85.4	86.1	86.9	87.7	88.1	88.5	88.9	88.9	88.9	88.9	88.9	88.9
...	68.7	79.5	82..	84.1	85.9	86.7	87.5	88.6	89.1	89.6	90.2	90.2	90.2	90.2	90.2	90.2
...	68.7	79.9	82..	84.5	86.5	87.7	89.4	90.5	91..	91.5	91.9	91.9	92.0	92.0	92.0	92.0
...	68.7	80.1	83..	85.1	87.1	88.3	90.9	92.1	93.4	94.3	95.5	94.8	95.1	95.1	95.1	95.1
...	68.7	80.1	83..	85.1	87.1	88.5	91.2	93.9	94.2	95.7	96.3	96.3	96.6	96.6	96.6	96.6
...	68.7	80.1	83.4	85.2	87.4	88.6	91.4	94.9	95.3	97.1	98.3	98.1	98.3	98.3	98.3	98.3
...	68.7	80.1	83.4	85.2	87.4	88.6	91.2	94.9	95.3	97.1	98.2	98.1	98.4	98.6	99.5	99.6
...	68.7	80.1	83.4	85.2	87.4	88.6	91.5	94.9	95.3	97.1	98.2	98.1	98.5	98.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: ...

LOCAL CLIMATOLOGY BRANCH
TAFTAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725[illegible] STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
GE UNL	49.7	51.3	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 20000	53.4	53.6	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 15000	53.6	53.8	54.3	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
GE 10000	53.8	53.8	54.3	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
GE 7000	54.6	54.8	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 5000	55.9	56.1	56.7	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 3000	58.4	58.6	59.4	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 2000	59.1	59.3	60.1	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 1500	59.5	59.7	60.5	60.6	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 1000	60.2	60.4	61.2	61.3	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 700	61.1	61.3	62.1	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 500	62.1	62.3	63.1	63.2	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 400	63.1	63.3	64.1	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 300	64.5	64.8	65.6	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 200	66.2	66.5	67.3	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 150	66.9	67.2	68.0	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 100	67.9	68.2	69.0	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 70	68.6	68.9	69.8	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 50	69.2	69.5	70.4	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 30	69.7	70.0	70.9	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 20	70.0	70.3	71.2	71.4	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 15	70.2	70.5	71.4	71.6	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 10	70.4	70.7	71.6	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 7	70.6	70.9	71.8	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 5	70.8	71.1	72.0	72.2	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 4	71.0	71.3	72.2	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 3	71.2	71.5	72.4	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 2	71.4	71.7	72.6	72.8	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 1	71.9	72.2	73.1	73.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 0	72.9	73.2	74.1	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5

TOTAL NUMBER OF OBSERVATIONS: 930

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

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72506 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	[illegible]	53.5	53.6	53.9	54.[illegible]	54.3	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.6	54.6
[illegible] 20000	51.9	54.8	55.[illegible]	55.2	55.[illegible]	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9	55.9
[illegible] 15000	52.0	54.9	55.3	55.3	55.4	55.7	55.9	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0
10000	52.0	54.9	55.3	55.3	55.4	55.7	55.9	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0
9000	52.0	55.9	56.3	56.3	56.4	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9
8000	57.6	56.5	56.9	56.9	57.1	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6
7000	58.4	59.3	60.0	60.0	60.1	60.3	60.5	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.7
6000	58.7	59.7	60.2	60.2	60.3	60.5	60.7	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9	60.9
5000	58.9	61.7	62.1	62.1	62.2	62.4	62.6	62.8	62.8	62.8	62.8	62.8	62.9	62.9	62.9	62.9
4000	59.2	61.9	62.3	62.3	62.4	62.6	62.9	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1
3000	59.4	67.3	63.7	63.7	63.8	64.0	64.3	64.4	64.4	64.4	64.5	64.5	64.6	64.6	64.6	64.6
2500	66.4	66.3	67.0	67.0	67.1	67.3	67.6	67.7	67.7	67.7	67.8	67.8	67.9	67.9	67.9	67.9
2000	61.6	67.6	68.4	68.4	68.7	68.9	69.2	69.3	69.3	69.3	69.4	69.4	69.5	69.5	69.5	69.5
1800	67.2	70.6	70.8	70.9	71.4	71.6	72.1	72.2	72.2	72.2	72.3	72.3	72.4	72.4	72.4	72.4
1500	64.3	71.5	72.3	72.7	73.1	73.3	73.8	74.0	74.0	74.0	74.1	74.1	74.2	74.2	74.2	74.2
1200	66.7	75.3	76.4	76.7	77.4	77.6	78.1	78.3	78.3	78.3	78.4	78.4	78.5	78.5	78.5	78.5
1000	67.9	77.3	78.[illegible]	78.8	79.5	79.8	80.3	80.4	80.4	80.4	80.5	80.5	80.6	80.6	80.6	80.6
[illegible]	69.5	79.5	81.[illegible]	81.2	82.[illegible]	82.5	83.0	83.4	83.4	83.4	83.5	83.5	83.6	83.6	83.6	83.6
500	70.0	79.6	81.1	81.6	82.7	82.9	83.4	83.9	83.9	83.9	84.0	84.0	84.1	84.1	84.1	84.1
[illegible]	70.2	80.3	81.7	82.6	83.7	84.0	84.5	84.9	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.1
100	70.3	80.5	82.[illegible]	83.0	84.3	84.5	85.1	85.6	85.6	85.6	85.7	85.7	85.8	85.8	85.8	85.8
0	70.3	80.6	82.1	83.1	84.4	84.6	85.3	85.7	85.7	85.7	85.8	85.8	85.9	85.9	85.9	85.9
[illegible]	70.7	81.4	83.[illegible]	84.2	85.5	85.7	86.7	87.1	87.1	87.1	87.2	87.2	87.3	87.3	87.3	87.3
[illegible]	70.3	81.5	83.2	84.7	86.1	86.3	87.4	87.9	87.9	87.9	88.1	88.1	88.2	88.2	88.2	88.2
[illegible]	70.3	81.5	83.2	84.9	86.4	86.6	87.9	88.5	88.5	88.5	88.6	88.6	88.7	88.7	88.7	88.7
[illegible]	7[illegible]	81.6	83.4	85.3	86.[illegible]	87.1	88.4	89.0	89.0	89.0	89.1	89.1	89.2	89.2	89.2	89.2
[illegible]	70.[illegible]	82.2	84.[illegible]	86.3	87.[illegible]	88.3	89.9	90.5	90.5	90.6	90.9	90.9	91.0	91.0	91.3	91.3
400	7[illegible].6	82.6	84.7	87.1	89.1	89.7	91.6	92.9	92.9	93.0	93.2	93.2	93.4	93.4	93.8	93.8
300	70.6	82.7	84.8	87.2	89.9	90.7	92.8	94.6	94.6	95.0	95.3	95.3	95.6	95.6	95.9	95.9
[illegible]	70.6	82.7	84.[illegible]	87.2	89.9	90.9	93.1	95.0	95.3	96.8	97.1	97.3	97.8	98.0	98.4	98.5
100	70.6	82.7	84.	87.3	90.1	91.1	93.3	95.3	95.5	97.0	97.6	97.8	98.6	98.7	99.8	99.9
0	7[illegible].6	82.7	84.[illegible]	87.3	90.1	91.1	93.3	95.3	95.5	97.0	97.6	97.8	98.6	98.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]29

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JAN HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
N CEIL	48.4	48.4	48.6	49.0	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
GE 20000	47.9	51.6	51.9	51.7	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.1	52.1	52.1	52.1
GE 18000	48.1	51.8	51.7	52.0	52.1	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 16000	48.1	51.8	51.8	52.0	52.1	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 14000	49.4	52.7	53.2	53.4	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8
GE 12000	50.7	54.6	54.8	54.7	54.9	54.9	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 10000	53.3	57.1	57.7	58.0	58.1	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 9000	53.4	57.2	57.8	58.1	58.3	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6	58.6
GE 8000	55.6	59.9	60.6	60.9	61.2	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.5
GE 7000	56.5	60.4	61.1	61.4	61.7	61.8	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 6000	57.2	61.6	62.4	62.7	62.9	63.1	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3
GE 5000	59.3	64.6	65.4	65.8	66.2	66.3	66.4	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 4500	60.2	65.9	66.8	67.1	67.6	67.7	67.8	67.9	67.9	68.0	68.0	68.0	68.1	68.1	68.1	68.1
GE 4000	61.7	67.6	68.7	69.1	69.6	69.7	69.9	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 3500	63.9	69.5	70.6	71.0	71.5	71.6	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 3000	65.7	72.4	73.5	74.1	74.7	74.9	75.0	75.2	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4
GE 2500	66.4	74.4	75.6	76.3	76.9	77.2	77.4	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7
GE 2200	66.7	76.6	77.9	78.1	80.1	80.4	80.6	80.9	81.0	81.2	81.2	81.2	81.3	81.3	81.3	81.3
GE 2000	66.8	77.1	78.6	78.8	80.4	80.7	81.0	81.4	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7
GE 1800	66.9	78.2	79.9	80.9	82.0	82.3	82.7	83.1	83.2	83.3	83.4	83.4	83.5	83.5	83.5	83.5
GE 1600	66.9	78.8	80.5	81.6	83.2	83.6	84.1	84.5	84.6	84.8	84.9	84.9	84.9	84.9	84.9	84.9
GE 1400	67.5	79.2	81.1	82.3	83.8	84.2	84.9	85.3	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.8
GE 1200	69.6	79.4	81.4	82.7	84.3	84.7	85.5	85.9	86.1	86.2	86.3	86.3	86.4	86.4	86.4	86.5
GE 1000	69.6	79.6	81.7	82.1	84.9	85.4	86.4	86.9	87.1	87.3	87.4	87.4	87.5	87.5	87.5	87.6
GE 900	69.7	79.8	82.2	83.7	85.6	86.1	87.3	87.9	88.0	88.3	88.5	88.5	88.6	88.6	88.6	88.6
GE 800	69.7	79.9	82.4	84.1	86.2	86.9	88.2	89.0	89.2	89.6	89.8	89.8	89.9	89.9	89.9	90.0
GE 700	69.8	80.2	82.8	84.6	87.1	87.6	89.6	90.5	90.7	91.2	91.5	91.5	91.6	91.6	91.7	91.7
GE 600	69.8	80.3	82.9	85.0	87.6	88.4	90.7	92.1	92.3	92.9	93.3	93.3	93.6	93.6	93.7	93.7
GE 500	69.8	80.4	83.1	85.1	88.2	89.2	91.8	93.5	93.7	94.7	95.3	95.4	95.7	95.8	96.0	96.0
GE 400	69.8	80.4	83.2	85.2	88.3	89.3	92.1	94.0	94.3	95.8	96.7	97.0	97.6	97.7	98.1	98.2
GE 300	69.9	80.4	83.2	85.2	88.3	89.3	92.1	94.1	94.3	95.9	97.0	97.2	98.2	98.4	99.4	99.6
	69.9	80.4	83.2	85.2	88.3	89.3	92.1	94.1	94.3	95.9	97.0	97.3	98.3	98.5	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 7458

...L CLIMATOLOGY BRANCH
...AFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725... STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 0000-0200

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES															
	LT 1/4	GE 1/4	GE 1/2	GE 3/4	GE 1	GE 1 1/4	GE 1 1/2	GE 1 3/4	GE 2	GE 2 1/2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8
GE 22000	51.6	52.7	53.2	54.2	54.1	54.3	54.3	54.3	54.4	54.4	54.4	54.5	54.5	54.5	54.5	
GE 20000	55.6	56.8	56.1	56.2	56.4	56.5	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	
GE 18000	55.6	56.8	56.1	56.2	56.4	56.5	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	
GE 16000	55.6	56.8	56.1	56.2	56.4	56.5	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	
GE 14000	57.5	58.9	59.2	58.3	58.7	58.9	58.9	58.9	59.0	59.0	59.0	59.1	59.1	59.1	59.1	
GE 12000	58.7	59.1	59.4	58.5	58.9	59.0	59.1	59.1	59.1	59.2	59.2	59.2	59.3	59.3	59.3	
GE 10000	61.3	62.5	63.1	62.4	62.8	62.9	63.2	63.0	63.0	63.1	63.1	63.1	63.2	63.2	63.2	63.2
GE 9000	61.7	63.0	63.1	62.4	62.7	63.4	63.5	63.5	63.5	63.6	63.6	63.6	63.7	63.7	63.7	63.7
GE 8000	64.7	66.1	66.4	65.7	66.0	66.4	66.5	66.5	66.5	66.6	66.6	65.6	65.7	65.7	65.7	65.7
GE 7000	65.7	67.0	67.4	66.7	66.9	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.7	66.7	66.7	66.7
GE 6000	69.1	70.3	70.7	70.0	70.2	70.6	67.1	67.3	67.3	67.4	67.4	67.4	67.5	67.5	67.5	67.5
GE 5000	69.2	70.4	70.8	70.1	70.3	70.7	69.7	69.9	70.0	70.0	70.1	70.1	70.2	70.2	70.2	70.2
GE 4500	69.5	70.7	71.1	70.4	70.6	71.0	71.1	71.2	71.2	71.2	71.3	71.3	71.4	71.4	71.4	71.4
GE 4000	69.9	71.1	71.5	70.8	71.0	71.4	71.5	71.6	71.6	71.6	71.7	71.7	71.9	71.9	71.9	71.9
GE 3500	70.1	71.3	71.7	71.0	71.2	71.6	71.7	72.0	73.2	73.2	73.3	73.3	73.4	73.4	73.4	73.4
GE 3000	70.7	72.0	72.3	71.6	71.8	72.2	72.3	72.6	74.1	74.2	74.3	74.3	74.5	74.5	74.6	74.6
GE 2500	74.5	75.8	76.2	75.5	75.7	76.1	76.2	76.5	77.7	77.8	77.9	77.9	78.1	78.1	78.2	78.2
GE 2200	74.6	75.9	76.3	75.6	75.8	76.2	76.3	76.6	77.8	77.9	78.0	78.0	78.2	78.2	78.3	78.3
GE 2000	74.8	76.1	76.5	75.8	76.0	76.4	76.5	76.8	78.0	78.1	78.2	78.2	78.4	78.4	78.5	78.5
GE 1800	75.1	76.4	76.8	76.1	76.3	76.7	76.8	77.1	78.3	78.4	78.5	78.5	78.7	78.7	78.8	78.8
GE 1600	75.1	76.4	76.8	76.1	76.3	76.7	76.8	77.1	78.3	78.4	78.5	78.5	78.7	78.7	78.8	78.8
GE 1400	75.2	76.5	76.9	76.2	76.4	76.8	76.9	77.2	78.4	78.5	78.6	78.6	78.8	78.8	78.9	78.9
GE 1200	75.2	76.5	76.9	76.2	76.4	76.8	76.9	77.2	78.4	78.5	78.6	78.6	78.8	78.8	78.9	78.9
GE 1000	75.2	76.5	76.9	76.2	76.4	76.8	76.9	77.2	78.4	78.5	78.6	78.6	78.8	78.8	78.9	78.9
GE 900	75.2	76.5	76.9	76.2	76.4	76.8	76.9	77.2	78.4	78.5	78.6	78.6	78.8	78.8	78.9	78.9
GE 800	75.2	76.5	76.9	76.2	76.4	76.8	76.9	77.2	78.4	78.5	78.6	78.6	78.8	78.8	78.9	78.9
GE 700	75.2	76.5	76.9	76.2	76.4	76.8	76.9	77.2	78.4	78.5	78.6	78.6	78.8	78.8	78.9	78.9
GE 600	75.2	76.5	76.9	76.2	76.4	76.8	76.9	77.2	78.4	78.5	78.6	78.6	78.8	78.8	78.9	78.9
GE 500	75.2	76.5	76.9	76.2	76.4	76.8	76.9	77.2	78.4	78.5	78.6	78.6	78.8	78.8	78.9	78.9
GE 400	75.2	76.5	76.9	76.2	76.4	76.8	76.9	77.2	78.4	78.5	78.6	78.6	78.8	78.8	78.9	78.9
GE 300	75.2	76.5	76.9	76.2	76.4	76.8	76.9	77.2	78.4	78.5	78.6	78.6	78.8	78.8	78.9	78.9
GE 200	75.2	76.5	76.9	76.2	76.4	76.8	76.9	77.2	78.4	78.5	78.6	78.6	78.8	78.8	78.9	78.9
GE 100	75.2	76.5	76.9	76.2	76.4	76.8	76.9	77.2	78.4	78.5	78.6	78.6	78.8	78.8	78.9	78.9
GE 0	75.2	76.5	76.9	76.2	76.4	76.8	76.9	77.2	78.4	78.5	78.6	78.6	78.8	78.8	78.9	78.9

TOTAL NUMBER OF OBSERVATIONS: ...

...AL CLIMATOLOGY BRANCH
...HPLIAC
...R FORCE WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 7...07 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
GE CEIL	48.6	49.6	51.4	52.1	52.4	52.5	52.5	52.6	52.8	53.0	53.2	53.2	53.2	53.2	53.2
GE 20000	49.7	51.5	53.2	53.9	54.1	54.3	54.3	54.6	54.6	54.7	55.0	55.0	55.0	55.0	55.0
GE 15000	49.8	51.6	53.4	54.1	54.4	54.5	54.5	54.8	54.8	55.0	55.2	55.2	55.2	55.2	55.2
GE 10000	49.8	51.6	53.4	54.1	54.4	54.5	54.5	54.8	54.8	55.0	55.2	55.2	55.2	55.2	55.2
GE 7000	49.8	53.3	55.1	55.8	56.1	56.1	56.1	56.5	56.5	56.6	56.9	56.9	56.9	56.9	56.9
GE 5000	49.9	53.5	55.4	56.1	56.4	56.5	56.5	56.9	56.9	57.0	57.2	57.2	57.2	57.2	57.2
GE 3000	53.5	54.8	57.1	58.5	58.7	58.9	58.9	59.2	59.2	59.3	59.6	59.6	59.6	59.6	59.6
2900-2600	1.4	55.4	57.7	59.1	59.3	59.5	59.5	59.8	59.8	59.9	60.2	60.2	60.2	60.2	60.2
GE 2500	61.7	62.3	62.9	62.9	62.2	62.3	62.4	62.8	62.8	62.9	63.1	63.1	63.1	63.1	63.1
GE 2000	63.1	63.7	64.3	64.3	63.6	63.7	63.8	64.2	64.2	64.3	64.5	64.5	64.5	64.5	64.5
GE 1500	65.7	66.2	66.8	66.8	65.2	65.4	65.5	65.8	65.8	66.0	66.2	66.2	66.2	66.2	66.2
GE 1200	67.4	68.0	68.5	68.3	67.5	67.6	67.7	68.1	68.1	68.2	68.6	68.6	68.6	68.6	68.6
GE 1000	68.2	68.8	69.3	68.2	68.4	68.6	68.7	69.0	69.0	69.1	69.5	69.5	69.5	69.5	69.5
GE 900	69.7	69.5	70.0	69.6	69.6	69.7	69.9	70.2	70.2	70.3	70.7	70.7	70.7	70.7	70.7
GE 800	71.7	71.4	71.9	71.2	71.4	71.5	71.6	72.0	72.0	72.1	72.5	72.5	72.5	72.5	72.5
GE 700	73.1	73.0	73.5	72.7	72.9	73.0	73.2	73.5	73.5	73.8	74.1	74.1	74.1	74.1	74.1
GE 600	74.1	74.0	74.5	73.6	74.0	74.1	74.2	74.5	74.6	74.6	75.2	75.2	75.2	75.2	75.2
GE 500	76.4	76.4	77.0	77.0	77.5	77.9	78.1	78.5	78.5	78.7	79.1	79.1	79.1	79.1	79.1
GE 400	78.4	78.4	78.7	77.3	78.1	78.3	78.7	79.1	79.1	79.3	79.7	79.7	79.7	79.7	79.7
GE 300	79.5	79.6	79.9	79.2	79.5	79.8	80.1	80.1	80.1	80.5	80.9	80.9	80.9	80.9	80.9
GE 200	82.9	83.3	83.6	83.0	83.0	83.4	83.5	83.9	83.9	84.2	84.6	84.6	84.6	84.6	84.6
GE 150	84.3	84.3	84.9	84.0	84.1	84.1	84.2	84.5	84.5	84.9	85.2	85.2	85.2	85.2	85.2
GE 100	84.3	84.3	84.9	85.1	85.2	85.2	85.3	85.7	85.7	86.0	86.4	86.4	86.4	86.4	86.4
GE 70	84.9	84.9	85.5	85.6	85.8	85.8	86.0	86.4	86.4	86.7	87.1	87.1	87.1	87.1	87.1
GE 50	85.2	85.2	85.8	85.9	86.1	86.2	86.4	86.8	86.8	87.1	87.5	87.5	87.5	87.5	87.5
GE 40	85.6	85.6	86.2	86.4	86.6	86.7	86.9	87.3	87.3	87.6	88.0	88.0	88.0	88.0	88.0
GE 30	87.1	87.1	87.7	87.9	88.1	88.2	88.4	88.8	88.8	89.1	89.5	89.5	89.5	89.5	89.5
GE 20	87.1	87.1	87.7	87.9	88.1	88.2	88.4	88.8	88.8	89.1	89.5	89.5	89.5	89.5	89.5
GE 15	87.1	87.1	87.7	87.9	88.1	88.2	88.4	88.8	88.8	89.1	89.5	89.5	89.5	89.5	89.5
GE 10	87.1	87.1	87.7	87.9	88.1	88.2	88.4	88.8	88.8	89.1	89.5	89.5	89.5	89.5	89.5
GE 7	87.1	87.1	87.7	87.9	88.1	88.2	88.4	88.8	88.8	89.1	89.5	89.5	89.5	89.5	89.5
GE 5	87.1	87.1	87.7	87.9	88.1	88.2	88.4	88.8	88.8	89.1	89.5	89.5	89.5	89.5	89.5
GE 4	87.1	87.1	87.7	87.9	88.1	88.2	88.4	88.8	88.8	89.1	89.5	89.5	89.5	89.5	89.5
GE 3	87.1	87.1	87.7	87.9	88.1	88.2	88.4	88.8	88.8	89.1	89.5	89.5	89.5	89.5	89.5
GE 2	87.1	87.1	87.7	87.9	88.1	88.2	88.4	88.8	88.8	89.1	89.5	89.5	89.5	89.5	89.5
GE 1	87.1	87.1	87.7	87.9	88.1	88.2	88.4	88.8	88.8	89.1	89.5	89.5	89.5	89.5	89.5
GE 0	87.1	87.1	87.7	87.9	88.1	88.2	88.4	88.8	88.8	89.1	89.5	89.5	89.5	89.5	89.5

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725080 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 0600-0600

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 7	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
CEIL	41.8	44.3	45.2	45.5	46.0	46.1	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.6
GE 20000	48.7	48.2	49.1	49.4	49.9	50.0	50.0	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.5
GE 18000	48.2	48.7	49.5	49.9	50.4	50.5	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.9
GE 16000	48.2	48.7	49.5	49.9	50.4	50.5	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.9
GE 14000	48.1	50.7	51.5	52.0	52.5	52.6	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	53.1
GE 12000	48.5	51.3	52.2	52.7	53.2	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.8
GE 10000	52.7	56.4	57.8	58.3	59.0	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.6
GE 9000	53.1	56.9	58.3	58.7	59.5	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	60.0
GE 8000	54.4	58.7	60.2	60.6	61.6	61.7	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	62.3
GE 7000	55.3	59.8	61.2	61.8	62.8	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.5
GE 6000	56.7	61.0	63.4	63.9	64.9	65.1	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.7
GE 5000	59.0	64.7	66.7	67.4	68.6	68.8	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.5
GE 4500	59.3	65.1	67.1	67.8	69.3	69.5	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.3
GE 4000	60.6	66.7	68.8	69.5	70.9	71.2	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	72.0
GE 3500	61.1	67.4	69.5	70.2	71.7	72.0	72.5	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.9
GE 3000	62.3	69.6	72.1	73.2	74.8	75.1	75.5	75.5	75.5	75.8	75.8	75.8	75.8	75.8	75.8	76.1
GE 2500	63.6	73.0	73.4	74.6	76.6	76.8	77.5	77.5	77.5	77.9	77.9	77.9	77.9	77.9	77.9	78.3
GE 2000	63.9	72.9	75.5	77.1	79.6	79.8	80.6	80.6	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.3
GE 1800	64.2	73.2	76.1	77.4	79.9	80.1	81.0	81.1	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.8
GE 1500	64.7	73.9	76.6	78.1	81.0	81.2	82.3	82.4	82.4	82.9	82.9	82.9	82.9	82.9	82.9	83.2
GE 1200	64.9	74.3	77.4	78.7	81.6	81.8	83.0	83.1	83.1	83.6	83.6	83.6	83.6	83.6	83.6	83.9
GE 1000	65.1	74.7	77.8	79.2	82.0	82.3	83.5	83.6	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.5
GE 900	65.4	74.9	78.1	79.4	82.5	82.7	83.9	84.0	84.0	84.8	84.8	84.8	84.8	84.8	84.8	85.1
GE 800	65.6	75.2	78.4	79.8	82.9	83.1	84.4	84.5	84.5	85.3	85.3	85.3	85.3	85.3	85.3	85.7
GE 700	65.6	75.2	78.4	79.8	83.1	83.3	84.8	85.1	85.1	85.9	86.1	86.1	86.1	86.1	86.1	86.4
GE 600	65.7	75.3	78.8	80.4	84.0	84.3	85.8	86.2	86.2	87.1	87.4	87.4	87.4	87.4	87.4	87.7
GE 500	66.0	75.5	79.2	81.0	85.3	86.1	88.1	88.9	88.9	90.2	90.4	90.4	90.7	90.7	90.7	91.0
GE 400	66.0	75.5	79.2	81.6	85.6	86.4	88.4	89.6	89.7	91.1	91.4	91.4	91.6	91.6	91.6	92.0
GE 300	66.0	75.5	79.3	81.1	85.7	86.5	88.7	90.3	90.5	92.2	92.6	92.7	93.0	93.0	93.5	93.9
GE 200	66.0	75.5	79.3	81.2	85.8	86.9	89.5	91.3	91.6	93.6	94.1	94.3	95.6	95.7	96.8	97.4
GE 100	66.0	75.5	79.3	81.2	85.8	86.9	89.5	91.3	91.6	93.6	94.3	94.6	96.5	96.8	98.9	99.5
GE 0	66.0	75.5	79.3	81.2	85.8	86.9	89.5	91.3	91.6	93.6	94.3	94.6	96.5	96.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725067 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	44.8	47.3	47.4	47.8	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.2
GE 20000	49.8	53.0	53.1	53.7	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.1
GE 18000	50.1	53.7	53.8	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8
GE 16000	50.1	53.7	53.8	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8
GE 14000	51.4	55.6	55.7	56.3	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7
GE 12000	51.9	56.1	56.4	57.0	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.6
GE 10000	55.7	59.9	60.2	60.8	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3
GE 9000	55.7	60.0	60.4	61.0	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6
GE 8000	57.7	62.0	63.2	63.8	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.4
GE 7000	58.3	63.2	63.8	64.4	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0
GE 6000	59.6	64.8	65.4	66.0	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.5
GE 5000	60.9	66.7	67.5	68.1	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8
GE 4500	61.2	67.1	68.0	68.6	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.4
GE 4000	61.9	68.2	69.1	69.9	70.3	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7
GE 3500	62.9	69.9	70.9	71.7	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.6
GE 3000	64.4	72.0	73.4	74.3	74.9	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5
GE 2500	65.4	73.8	75.2	76.5	77.3	77.7	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	76.3
GE 2000	67.1	76.0	77.5	79.0	79.8	80.3	80.6	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0
GE 1800	67.1	76.0	77.5	79.0	79.8	80.4	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2
GE 1500	67.3	76.5	78.1	79.7	80.6	81.2	81.8	81.9	82.0	82.0	82.2	82.2	82.3	82.3	82.3	82.4
GE 1200	67.3	76.6	78.5	80.4	81.3	81.9	82.7	82.9	83.0	83.0	83.1	83.1	83.2	83.2	83.2	83.3
GE 1000	67.4	76.8	78.7	80.6	81.7	82.3	83.1	83.2	83.3	83.3	83.5	83.5	83.6	83.6	83.6	83.7
GE 900	67.4	77.1	79.1	81.0	82.0	82.6	83.6	83.8	83.9	83.9	84.0	84.0	84.2	84.2	84.2	84.3
GE 800	67.7	77.5	79.6	81.4	82.6	83.3	84.4	84.8	84.9	84.9	85.1	85.1	85.2	85.2	85.2	85.3
GE 700	67.7	77.7	79.8	81.7	83.0	83.7	84.9	85.3	85.5	85.5	85.7	85.7	85.8	85.8	85.8	85.9
GE 600	67.7	77.7	79.8	81.9	83.2	84.2	85.6	86.2	86.3	86.3	86.5	86.5	86.6	86.6	86.6	86.8
GE 500	67.7	77.7	80.2	82.5	84.2	85.3	86.8	87.9	88.1	88.4	88.8	88.8	88.9	89.0	89.0	89.1
GE 400	67.7	77.7	80.1	82.7	85.1	86.6	88.8	90.2	90.8	91.7	92.2	92.2	92.4	92.6	92.6	92.7
GE 300	67.7	77.7	80.1	82.7	85.6	87.1	89.6	91.0	91.6	93.1	94.0	94.0	94.3	94.4	94.4	94.6
GE 200	67.7	77.7	80.1	82.7	85.6	87.1	89.6	91.4	92.1	94.1	94.9	94.9	95.6	95.9	96.7	96.8
GE 100	67.7	77.7	80.1	82.7	85.6	87.1	89.6	91.4	92.1	94.7	95.5	95.5	96.6	97.2	99.2	99.6
GE 0	67.7	77.7	80.1	82.7	85.6	87.1	89.6	91.4	92.1	94.7	95.5	95.5	96.6	97.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	43.3	45.6	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3
GE 20000	47.5	50.2	50.8	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2
GE 18000	48.3	51.2	51.8	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1
GE 16000	48.3	51.2	51.8	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1
GE 14000	48.5	52.5	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4
GE 12000	50.9	53.8	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7
GE 10000	53.3	56.4	57.0	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4
GE 9000	53.5	56.6	57.2	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7
GE 8000	56.9	60.4	61.1	61.3	61.5	61.5	61.5	61.6	61.6	61.6	61.8	61.8	61.8	61.8	61.8	61.8
GE 7000	57.4	61.2	61.9	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6
GE 6000	58.3	62.5	63.2	63.5	63.6	63.6	63.6	63.7	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9
GE 5000	59.7	64.1	65.1	65.6	65.8	65.8	65.8	66.0	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2
GE 4500	62.0	64.7	65.7	66.2	66.4	66.4	66.4	66.5	66.5	66.5	66.8	66.8	66.8	66.8	66.8	66.8
GE 4000	62.1	66.9	68.2	68.9	69.1	69.3	69.3	69.4	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6
GE 3500	64.1	69.0	70.2	71.0	71.3	71.4	71.4	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7
GE 3000	65.7	71.0	72.6	73.4	73.8	73.9	73.9	74.0	74.0	74.0	74.2	74.2	74.2	74.2	74.2	74.2
GE 2500	66.8	72.2	74.2	75.2	75.5	75.7	75.7	75.8	75.8	75.8	76.0	76.0	76.0	76.0	76.0	76.0
GE 2000	68.0	73.8	76.4	77.5	77.9	78.0	78.0	78.1	78.1	78.3	78.5	78.5	78.5	78.5	78.5	78.5
GE 1900	68.2	74.1	76.7	77.9	78.3	78.4	78.5	78.6	78.6	78.7	79.0	79.0	79.0	79.0	79.0	79.0
GE 1500	68.6	74.7	77.9	79.1	79.4	79.7	79.8	80.0	80.3	80.4	80.6	80.6	80.7	80.7	80.7	80.7
GE 1200	68.7	75.3	78.5	79.8	80.1	80.4	80.9	81.1	81.3	81.6	81.8	81.8	81.9	81.9	81.9	81.9
GE 1000	69.5	76.7	80.0	81.3	82.0	82.3	82.9	83.1	83.3	83.6	83.8	83.8	83.9	83.9	83.9	83.9
GE 900	69.6	76.8	80.1	81.6	82.4	82.6	83.2	83.6	83.8	84.0	84.3	84.3	84.4	84.4	84.4	84.4
GE 800	69.6	77.0	80.3	81.8	82.7	83.0	83.7	84.3	84.5	84.8	85.0	85.0	85.1	85.1	85.1	85.1
GE 700	69.6	77.2	80.9	82.9	84.3	84.5	85.2	85.9	86.2	86.4	86.6	86.6	86.8	86.8	86.8	86.8
GE 600	69.6	77.4	81.3	83.5	84.9	85.2	86.2	87.5	87.7	87.9	88.2	88.2	88.3	88.3	88.3	88.3
GE 500	69.6	77.4	81.6	83.8	85.6	86.1	88.1	90.0	90.2	90.9	91.1	91.1	91.5	91.5	91.5	91.5
GE 400	69.6	78.0	82.2	84.4	86.5	87.1	89.4	91.6	91.8	92.9	93.5	93.5	93.9	93.9	93.9	93.9
GE 300	69.6	78.0	82.4	84.4	86.6	87.2	89.5	92.4	92.9	95.2	95.9	95.9	96.3	96.3	96.5	96.5
GE 200	69.6	78.0	82.2	84.4	86.6	87.2	89.5	92.7	93.3	95.7	96.8	96.8	98.1	98.1	98.2	98.2
GE 100	69.6	78.0	82.2	84.4	86.6	87.2	89.5	92.7	93.3	95.7	97.5	97.6	99.1	99.1	99.4	99.4
GE 0	69.6	78.0	82.2	84.4	86.6	87.2	89.5	92.7	93.3	95.7	97.5	97.6	99.1	99.1	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 46

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	43.4	45.7	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 20000	46.6	49.4	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 18000	47.4	50.5	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 16000	47.4	50.5	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 14000	49.9	53.4	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 12000	50.7	54.3	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
GE 10000	54.4	58.3	59.1	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
GE 9000	54.7	58.9	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
GE 8000	59.0	62.4	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 7000	58.6	63.0	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 6000	59.5	64.1	65.2	65.5	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 5000	61.6	66.8	68.1	68.3	68.3	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 4500	63.0	68.2	69.5	69.7	69.7	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 4000	63.6	68.9	70.2	70.4	70.4	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 3500	64.3	69.7	71.1	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 3000	65.4	71.3	72.6	72.9	73.0	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 2500	66.4	73.0	74.3	75.1	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 2000	67.7	75.1	76.6	77.4	77.7	77.8	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 1800	68.0	75.3	76.8	77.7	78.0	78.1	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 1500	68.3	76.0	77.9	78.8	79.6	79.7	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 1200	68.6	76.6	78.6	79.6	80.5	80.6	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 1000	69.0	77.5	79.9	81.0	82.2	82.3	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 900	69.0	77.5	80.3	81.4	82.7	82.9	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 800	69.0	77.9	80.7	81.9	83.6	83.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 700	69.0	78.1	81.2	82.6	84.6	85.0	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 600	69.0	78.3	81.6	83.2	85.3	85.7	87.2	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 500	69.0	78.4	81.9	83.6	86.3	86.8	88.7	90.0	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 400	69.0	78.7	82.3	84.3	86.9	87.7	90.5	92.6	92.7	93.3	93.3	93.3	93.4	93.4	93.5	93.5
GE 300	69.0	78.7	82.3	84.4	87.1	87.9	91.0	93.4	93.7	94.8	94.9	94.9	95.3	95.3	95.5	95.5
GE 200	69.0	78.7	82.3	84.4	87.4	88.2	91.3	93.7	94.2	95.5	95.7	95.7	97.0	97.0	97.3	97.3
GE 100	69.0	78.7	82.3	84.4	87.4	88.2	91.5	94.0	94.4	96.0	96.2	96.2	98.1	98.3	99.2	99.3
GE 0	69.0	78.7	82.3	84.4	87.4	88.2	91.5	94.0	94.4	96.0	96.2	96.2	98.1	98.3	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 446

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	46.1	48.3	48.9	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.8	49.8
GE 25000	49.3	51.7	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	53.1	53.1
GE 13000	49.5	52.2	52.8	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.7	53.7
GE 10000	49.8	52.5	53.1	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.9	53.9
GE 9000	53.0	55.9	56.5	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.3	57.3
GE 8000	53.7	56.6	57.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	58.0	58.0
GE 7000	55.9	59.2	60.2	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	61.0	61.0
GE 6000	56.6	59.9	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.7	61.7
GE 5000	59.5	63.0	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.9	64.9
GE 4000	60.4	63.9	65.0	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.8	65.8
GE 3500	61.1	64.9	66.1	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	67.1	67.1
GE 3000	63.5	67.7	69.0	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.1	70.1
GE 2500	64.2	68.6	70.0	70.4	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	71.2	71.2
GE 2000	65.4	70.1	71.5	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.7	72.7
GE 1500	66.0	70.6	72.2	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.4	73.4
GE 1000	66.9	72.2	73.8	74.2	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.9	74.9
GE 900	67.5	73.4	75.1	75.7	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.5	76.5
GE 800	69.1	75.3	77.2	78.0	78.4	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	79.1	79.1
GE 700	69.5	75.8	77.7	78.5	78.8	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.6	79.6
GE 600	70.6	77.1	79.1	80.0	80.5	80.7	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	81.2	81.2
GE 500	70.8	77.6	79.9	80.9	81.3	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	82.0	82.0
GE 400	70.8	78.3	80.5	81.4	81.9	82.2	82.2	82.2	82.2	82.4	82.4	82.4	82.4	82.4	82.7	82.7
GE 300	70.8	78.4	80.6	81.6	82.2	82.7	82.7	82.7	83.0	83.0	83.0	83.0	83.0	83.3	83.3	83.3
GE 250	70.8	78.6	81.1	82.3	82.7	83.2	83.2	83.2	83.5	83.5	83.5	83.5	83.5	83.8	83.8	83.8
GE 200	70.8	78.7	81.2	82.3	83.0	83.5	83.8	83.9	83.9	84.3	84.3	84.3	84.3	84.3	84.6	84.6
GE 150	70.8	78.7	81.4	82.5	83.2	84.3	84.9	85.6	85.6	85.9	85.9	85.9	86.1	86.1	86.4	86.4
GE 100	70.8	78.7	81.4	82.6	84.6	85.2	85.9	87.5	87.5	87.9	88.1	88.1	88.2	88.2	88.5	88.5
GE 050	70.8	78.8	81.7	82.9	85.6	86.2	87.4	89.4	89.5	90.4	90.5	90.5	91.1	91.1	91.5	91.6
GE 030	70.8	78.8	81.7	83.0	86.2	86.9	88.3	90.8	90.9	92.1	92.6	92.6	93.3	93.3	93.7	93.9
GE 020	70.8	78.8	81.7	83.0	86.6	87.7	89.4	92.1	92.2	93.5	94.1	94.1	95.6	95.6	96.1	96.5
GE 010	70.8	78.8	81.7	83.0	86.6	87.7	89.4	92.1	92.4	94.0	94.8	94.8	96.6	96.6	98.9	99.4
GE 0	70.9	78.8	81.7	83.0	86.6	87.7	89.4	92.1	92.4	94.1	94.8	94.8	96.6	96.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 740

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	50.0	52.6	53.4	53.9	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 20000	52.7	55.9	56.5	57.0	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 18000	53.1	56.3	56.9	57.3	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 16000	53.1	56.3	56.9	57.3	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 14000	54.7	58.0	58.7	59.2	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 12000	55.1	58.4	59.1	59.6	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 10000	59.4	62.2	63.1	63.6	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 9000	59.9	62.6	63.6	64.1	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 8000	61.3	65.4	66.3	66.8	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 7000	61.8	65.8	66.8	67.3	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 6000	62.8	67.3	68.2	68.7	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 5000	64.3	69.5	70.6	71.3	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 4500	64.7	70.2	71.5	72.0	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 4000	65.4	71.3	72.6	73.1	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 3500	66.2	72.2	73.5	74.1	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 3000	67.1	73.4	74.7	75.3	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 2500	67.7	74.2	75.5	76.1	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 2000	69.9	76.6	77.9	78.6	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 1800	70.0	76.8	78.1	78.8	79.6	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 1600	70.1	77.2	78.5	79.2	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 1200	70.4	77.9	79.2	80.0	81.1	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 1000	70.8	78.6	79.9	80.7	81.8	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 900	70.8	78.7	80.0	81.2	82.4	82.4	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.1	83.1	83.1
GE 800	70.8	78.7	80.4	81.4	82.7	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.6	83.6	83.6
GE 700	71.0	79.2	80.9	82.0	83.3	83.3	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.4	84.4	84.4
GE 600	71.0	79.4	81.2	82.5	84.0	84.0	84.6	85.2	85.2	85.2	85.2	85.2	85.6	85.6	85.8	85.8
GE 500	71.2	79.8	81.6	83.0	85.0	85.2	86.4	87.4	87.4	87.5	87.5	87.5	87.8	87.8	88.1	88.1
GE 400	71.2	79.9	81.8	83.6	85.9	86.3	88.2	89.5	89.5	89.7	89.7	89.7	90.1	90.3	90.8	91.0
GE 300	71.2	79.9	81.9	83.7	86.5	87.1	89.5	91.1	91.3	92.0	92.0	92.0	92.3	92.6	93.1	93.5
GE 200	71.2	80.0	81.9	83.8	86.9	87.6	90.7	92.7	92.8	93.9	94.1	94.1	94.9	95.2	95.7	96.5
GE 100	71.2	80.0	81.9	83.8	86.9	87.6	90.7	92.7	92.8	94.1	94.3	94.3	95.7	96.0	98.0	98.8
GE 0	71.2	80.0	81.9	83.8	86.9	87.6	90.7	92.7	92.8	94.1	94.3	94.3	95.7	96.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	45.6	48.2	49.1	49.4	49.6	49.6	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.9	49.9
GE 20000	49.8	51.7	52.5	53.0	53.2	53.3	53.3	53.5	53.3	53.4	53.4	53.4	53.4	53.4	53.5	53.5
GE 15000	49.2	52.3	53.0	53.5	53.7	53.8	53.8	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.1
GE 10000	49.3	52.3	53.1	53.6	53.8	53.8	53.9	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.1
GE 14000	51.1	54.4	55.3	55.8	56.0	56.0	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.3	56.3
GE 12000	51.6	55.0	55.9	56.4	56.6	56.7	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	57.0
GE 10000	54.6	58.3	59.4	60.1	60.4	60.4	60.4	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.7
GE 9000	54.9	58.8	59.9	60.6	60.9	60.9	60.9	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.2
GE 8000	57.3	61.0	62.1	63.4	63.7	63.8	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.1	64.1
GE 7000	58.2	62.5	63.6	64.3	64.6	64.7	64.7	64.8	64.8	64.8	64.9	64.9	64.9	64.9	65.0	65.0
GE 6000	59.2	63.6	65.1	65.7	66.1	66.1	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.5
GE 5000	60.9	66.1	67.6	68.3	68.6	68.6	68.9	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.2	69.2
GE 4500	61.5	66.9	68.4	69.2	69.6	69.7	69.8	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.1	70.1
GE 4000	62.5	68.1	69.7	70.5	71.0	71.1	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.5
GE 3500	63.5	69.3	71.0	71.8	72.3	72.4	72.5	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.8	72.8
GE 3000	64.6	70.9	72.6	73.7	74.2	74.4	74.5	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.8	74.9
GE 2500	65.4	72.1	74.1	75.2	75.8	75.9	76.2	76.2	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.5
GE 2000	66.9	74.3	76.4	77.6	78.1	78.2	78.4	78.5	78.5	78.1	79.2	79.2	79.2	79.2	79.3	79.3
GE 1800	67.1	74.5	76.7	77.9	78.4	78.5	78.7	78.8	78.8	78.9	79.6	79.6	79.6	79.6	79.6	79.7
GE 1500	67.4	75.2	77.6	78.9	79.5	79.6	80.0	80.2	80.2	80.3	80.9	80.9	80.9	81.0	81.0	81.1
GE 1200	67.6	75.8	78.1	79.6	80.2	80.3	80.9	81.4	81.5	81.6	81.8	81.8	81.9	81.9	81.9	82.0
GE 1000	67.9	76.4	78.8	80.4	81.0	81.1	81.6	82.4	82.6	82.7	82.9	82.9	83.0	83.0	83.1	83.1
GE 900	67.9	76.6	79.0	80.6	81.2	81.3	81.8	82.6	82.9	83.1	83.3	83.4	83.5	83.5	83.6	83.6
GE 800	68.1	76.8	79.2	81.1	81.7	81.8	82.3	83.1	83.4	83.6	83.9	84.1	84.2	84.2	84.3	84.4
GE 700	68.2	77.1	79.6	81.6	82.2	82.3	82.8	83.6	84.0	84.2	84.5	84.8	84.9	84.9	85.0	85.1
GE 600	68.2	77.2	80.4	82.2	82.8	84.1	84.4	85.2	85.6	85.8	86.2	86.2	86.3	86.3	86.4	86.5
GE 500	68.7	77.5	80.9	82.9	83.5	83.7	83.9	84.8	85.2	85.4	85.8	86.1	86.2	86.2	86.3	86.4
GE 400	68.3	77.6	81.1	83.2	83.8	84.0	84.2	85.2	85.6	85.8	86.2	86.5	86.6	86.6	86.7	86.8
GE 300	68.3	77.6	81.2	83.4	84.0	84.2	84.4	85.4	85.8	86.0	86.4	86.7	86.8	86.8	86.9	87.0
GE 200	68.3	77.6	81.2	83.4	84.0	84.2	84.4	85.4	85.8	86.0	86.4	86.7	86.8	86.8	86.9	87.0
GE 100	68.3	77.6	81.2	83.4	84.0	84.2	84.4	85.4	85.8	86.0	86.4	86.7	86.8	86.8	86.9	87.0
0	68.3	77.6	81.2	83.4	84.0	84.2	84.4	85.4	85.8	86.0	86.4	86.7	86.8	86.8	86.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 6758

[illegible] CLIMATOLOGY BRANCH — [illegible] FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
CLIMATOLOGY — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 0000-0600

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/8	5/8	1/2	3/16	1/4	0
NO CEIL	48.9	51.0	52.0	52.1	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
25000	51.2	52.6	53.0	53.7	53.9	54.0	54.1	54.0	54.0	54.0	54.1	54.0	54.0	54.0	54.0	54.0
20000	50.9	52.7	53.7	53.8	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
18000	50.9	52.7	53.7	53.8	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
16000	50.9	52.7	53.7	53.8	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
14000	51.1	53.7	54.7	54.8	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
12000	51.1	53.9	54.9	55.0	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
10000	54.1	56.9	58.0	58.1	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
9000	54.4	57.2	58.2	58.3	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
8000	56.2	59.1	60.3	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
7000	56.9	59.7	60.9	61.0	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
6000	59.0	62.0	63.1	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
5000	59.7	62.8	63.9	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
4500	60.0	63.0	64.1	64.2	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
4000	61.9	65.1	66.3	66.4	66.7	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
3500	63.7	67.5	68.7	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
3000	65.7	70.1	71.3	71.4	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
2500	67.1	71.6	72.8	73.0	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
2000	67.6	72.0	73.2	73.4	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
1800	67.8	73.1	74.3	74.5	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
1500	68.1	73.4	75.0	75.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
1200	68.1	73.4	75.0	75.2	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
1000	68.1	73.6	75.2	75.4	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
900	68.4	74.0	75.6	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
800	68.4	74.0	75.6	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
700	68.4	74.0	75.6	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
600	68.4	74.0	75.6	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
500	68.4	74.0	75.6	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
400	68.4	74.0	75.6	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
300	68.4	74.0	75.6	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
200	68.4	74.0	75.6	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
100	68.4	74.0	75.6	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
0	68.4	74.0	75.6	75.8	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2

TOTAL NUM OF OBSERVATIONS:

CUMULATIVE FREQUENCY OF OCCURRENCE OF CEILING AND VISIBILITY
(PERCENTAGE)
AT [illegible]/MAR

STATION NUMBER: [illegible] STATION NAME: [illegible] MA

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 1500-1700

CEILING | VISIBILITY IN STATUTE MILES

CEILING IN FEET	10	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	47.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
[illegible]	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
[illegible]	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
[illegible]	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
[illegible]	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
[illegible]	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
[illegible]	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
[illegible]	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
[illegible]	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
[illegible]	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
[illegible]	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
[illegible]	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
[illegible]	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
[illegible]	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
[illegible]	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
[illegible]	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
[illegible]	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
[illegible]	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
[illegible]	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
[illegible]	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
[illegible]	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
[illegible]	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
[illegible]	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
[illegible]	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
[illegible]	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
[illegible]	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
[illegible]	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.5
[illegible]	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
[illegible]	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6
[illegible]	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.7
[illegible]	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

[illegible] VISIBILITY

[illegible] OBSERVATIONS

STATION NUMBER: [illegible]

PERIOD OF RECORD: 77-86

MONTH: MAR HOURS(LST): [illegible]

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	44.9	47.0	47.[illegible]	47.[illegible]	[illegible]	[illegible]	48.	48.[illegible]	48.	48.[illegible]	48.0	48.0	48.0	48.0	48.0	48.0
GE 20000	[illegible]	51.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	52.[illegible]	[illegible]	[illegible]	52.3	52.3	52.3	52.3	52.3	52.3
GE 18000	49.4	52.1	52.4	52.4	[illegible]	[illegible]	52.5	52.5	[illegible]	[illegible]	52.5	52.5	52.5	52.5	52.5	52.5
GE 16000	49.4	52.1	52.4	52.4	[illegible]	[illegible]	52.5	52.5	[illegible]	[illegible]	52.5	52.5	52.5	52.5	52.5	52.5
GE 14000	[illegible]	54.[illegible]	54.7	54.[illegible]	55.[illegible]	[illegible]	[illegible]	55.[illegible]	[illegible]	55.[illegible]	55.0	55.0	55.0	55.0	55.0	55.0
GE 12000	[illegible]	56.[illegible]	[illegible]	57.[illegible]	57.[illegible]	57.[illegible]	57.2	57.[illegible]	57.2	57.[illegible]	57.2	57.2	57.2	57.2	57.2	57.2
GE 10000	54.[illegible]	58.3	58.[illegible]	59.[illegible]	59.[illegible]	59.[illegible]	59.[illegible]	59.3	59.3	59.[illegible]	59.3	59.3	59.3	59.3	59.3	59.3
GE 9000	57.1	58.7	59.[illegible]	59.4	59.[illegible]	[illegible]	59.[illegible]	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 8000	57.4	60.9	61.[illegible]	61.[illegible]	62.[illegible]	[illegible]	62.[illegible]	62.[illegible]	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 7000	59.1	61.[illegible]	62.[illegible]	62.[illegible]	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 6000	[illegible]	62.[illegible]	62.4	62.[illegible]	63.[illegible]	[illegible]	63.9	63.9	63.[illegible]	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 5000	62.7	66.7	67.[illegible]	67.7	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]	68.0	68.0	68.0	68.0	68.0
GE 4500	63.[illegible]	67.7	68.9	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 4000	64.5	69.5	70.7	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 3500	66.3	71.9	[illegible]	73.[illegible]	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 3000	68.2	74.[illegible]	75.[illegible]	75.[illegible]	76.[illegible]	76.[illegible]	76.[illegible]	76.[illegible]	76.[illegible]	76.[illegible]	76.0	76.0	76.0	76.0	76.0	76.0
GE 2500	69.[illegible]	75.2	76.[illegible]	76.[illegible]	77.[illegible]	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 2000	70.[illegible]	76.6	78.1	78.[illegible]	79.2	79.[illegible]	79.[illegible]	79.[illegible]	79.2	79.[illegible]	79.2	79.2	79.2	79.2	79.2	79.2
GE 1800	70.1	77.0	78.6	78.[illegible]	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 1500	70.2	77.4	79.1	79.4	80.[illegible]	80.[illegible]	80.[illegible]	80.[illegible]	80.3	80.[illegible]	80.3	80.3	80.3	80.3	80.3	80.3
GE 1200	70.3	77.9	79.7	80.[illegible]	81.[illegible]	81.[illegible]	81.9	81.9	81.9	81.[illegible]	81.9	81.9	81.9	81.9	81.9	81.9
GE 1000	70.3	77.9	79.[illegible]	80.[illegible]	82.[illegible]	82.[illegible]	82.[illegible]	82.6	82.[illegible]	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 900	70.3	78.1	80.[illegible]	81.4	82.[illegible]	82.9	83.1	83.[illegible]	83.[illegible]	83.[illegible]	83.2	83.[illegible]	83.2	83.2	83.2	83.2
GE 800	70.3	78.4	80.[illegible]	81.[illegible]	83.1	83.[illegible]	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 700	70.5	78.9	81.1	82.[illegible]	84.[illegible]	85.3	86.[illegible]	86.[illegible]	86.[illegible]	86.[illegible]	86.8	86.8	86.8	86.8	86.8	86.8
GE 600	70.6	79.4	81.[illegible]	83.7	86.[illegible]	86.9	88.[illegible]	89.[illegible]	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 500	70.6	79.5	82.[illegible]	84.2	87.1	87.7	89.5	91.[illegible]	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 400	70.6	79.5	82.1	84.4	87.[illegible]	88.4	90.1	91.[illegible]	[illegible]	92.[illegible]	92.2	92.2	92.4	92.4	92.4	92.4
GE 300	70.6	79.5	82.[illegible]	84.[illegible]	88.1	88.5	90.7	93.4	[illegible]	94.[illegible]	94.3	94.3	94.6	94.6	94.7	94.7
GE 200	70.6	79.5	82.[illegible]	84.7	88.[illegible]	89.1	91.0	94.1	94.6	95.9	96.2	96.3	96.9	97.[illegible]	97.3	97.4
GE 100	70.6	79.5	82.[illegible]	84.7	88.[illegible]	89.[illegible]	91.[illegible]	94.1	94.6	96.3	96.7	96.8	98.0	98.1	98.4	98.8
GE 0	70.6	79.5	82.[illegible]	84.7	88.[illegible]	89.1	91.[illegible]	94.1	94.6	96.[illegible]	96.7	96.8	98.0	98.1	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

...GENERAL CLIMATOLOGY BRANCH ... CUMULATIVE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
...SAFETAC ... FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: JOHN WAYNE MA ... PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): 0100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	10	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/8	5/8	1/2	5/16	1/4	0
NO CEIL	49.5	51.6	51.9	[illegible]	[illegible]	[illegible]	52.3	[illegible]	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4
20000	53.8	53.9	54.2	54.6	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8
18000	53.9	54.0	54.4	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9
16000	53.9	54.0	54.4	54.7	54.7	54.7	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9
14000	54.7	55.9	56.2	56.5	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7
12000	55.1	56.3	56.6	56.9	56.9	56.9	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2
10000	55.9	59.6	59.8	59.3	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5	59.5
9000	56.2	58.9	59.3	59.6	59.6	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8
8000	58.1	61.9	62.3	62.6	62.6	62.6	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
7000	58.6	62.3	62.8	63.1	63.1	63.1	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3
6000	59.0	62.5	63.1	63.3	63.4	63.4	63.5	63.5	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6
5000	61.4	65.2	65.8	66.2	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5
4500	61.5	65.3	66.3	66.7	67.1	67.1	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5
4000	64.0	68.5	69.1	69.5	69.9	69.9	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3
3500	65.3	70.0	70.7	71.2	71.5	71.5	71.9	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
3000	67.6	72.8	73.5	74.1	74.4	74.5	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9
2500	68.2	73.7	74.7	75.3	75.6	75.6	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
2000	68.8	74.9	76.1	76.8	77.1	77.1	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6
1800	69.0	75.2	76.5	77.2	77.4	77.4	77.8	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9
1500	69.4	76.0	77.1	78.0	78.4	78.6	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1
1200	69.6	76.4	77.6	78.9	79.7	79.7	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
1000	69.8	76.7	78.0	79.0	80.0	80.5	81.1	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
900	69.9	77.0	78.3	80.0	81.1	81.2	81.7	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
800	70.1	77.2	78.6	80.3	81.7	81.9	82.6	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
700	70.1	77.3	78.8	80.9	82.4	83.4	84.7	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4
600	70.3	77.6	79.1	81.4	83.5	84.7	86.6	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
500	70.3	77.9	79.4	81.9	85.2	86.2	87.7	88.4	88.5	88.8	88.9	88.9	88.9	88.9	88.9	88.9
400	70.3	78.4	80.1	82.6	86.3	87.4	89.2	90.3	90.4	90.7	90.9	90.9	91.0	91.0	91.0	91.0
300	70.3	78.6	80.4	83.3	87.5	88.7	91.1	92.3	92.5	93.6	93.9	93.9	94.1	94.1	94.4	94.4
200	70.3	78.6	80.6	83.6	87.7	88.9	91.6	93.0	93.1	95.4	95.8	95.8	96.1	96.2	97.1	97.1
100	70.3	78.6	80.6	83.6	87.8	89.1	91.8	94.0	94.1	96.4	96.4	96.4	97.0	97.1	98.3	98.8
0	70.3	78.6	80.6	83.6	87.9	89.1	91.8	94.0	94.1	96.4	96.4	96.4	97.1	97.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725090 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAR HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	44.6	47.1	47.6	47.8	48.0	48.0	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.3
GE 20000	47.7	50.2	50.7	50.9	51.1	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.4	51.4
GE 18000	47.9	50.4	50.9	51.1	51.3	51.3	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6
GE 16000	47.9	50.4	50.9	51.2	51.3	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.6
GE 14000	49.4	52.0	52.6	53.0	53.2	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.6
GE 12000	50.7	53.6	54.2	54.5	54.7	54.7	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9	55.0
GE 10000	53.7	56.9	57.6	57.9	58.1	58.2	58.2	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.5
GE 9000	54.6	57.8	58.4	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 8000	56.1	59.5	60.3	60.6	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2
GE 7000	56.6	60.1	60.9	61.3	61.5	61.6	61.7	61.7	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8
GE 6000	57.4	61.0	61.8	62.2	62.5	62.6	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.9	62.9
GE 5000	59.8	63.7	64.6	65.0	65.4	65.4	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.8	65.8
GE 4500	60.4	64.5	65.4	65.9	66.2	66.3	66.5	66.5	66.5	66.6	66.6	66.6	66.7	66.7	66.7	66.7
GE 4000	62.6	67.0	68.0	68.4	68.6	68.6	69.1	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3
GE 3500	64.2	68.6	69.6	70.0	70.2	70.2	71.0	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.3
GE 3000	66.3	71.4	72.5	73.0	73.2	73.2	73.8	73.8	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.0
GE 2500	67.4	72.9	74.2	74.8	75.0	75.0	75.7	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9
GE 2200	68.4	74.6	76.1	76.7	77.0	77.0	77.9	77.9	77.9	78.0	78.0	78.0	78.1	78.1	78.1	78.1
GE 2000	68.6	74.9	76.4	77.1	77.5	77.6	78.2	78.3	78.3	78.4	78.4	78.4	78.5	78.5	78.5	78.5
GE 1800	69.1	75.8	77.4	78.2	78.6	78.6	79.5	79.6	79.6	79.7	79.7	79.7	79.8	79.8	79.8	79.8
GE 1200	69.3	76.4	78.1	79.1	79.5	79.5	80.3	80.8	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.2
GE 1000	69.4	76.8	78.6	79.7	80.1	80.1	81.0	81.8	82.2	82.2	82.3	82.4	82.4	82.5	82.5	82.5
GE 900	69.5	77.1	79.0	80.1	80.5	80.6	81.5	82.3	82.7	82.8	82.9	83.0	83.0	83.1	83.1	83.1
GE 800	69.7	77.5	79.5	80.7	81.2	81.3	82.5	83.4	83.8	83.9	84.0	84.1	84.1	84.1	84.1	84.2
GE 700	69.8	77.9	80.1	81.3	81.8	81.9	83.1	84.0	84.5	84.6	84.7	84.8	84.9	85.0	85.0	85.1
GE 600	69.9	78.3	80.5	82.0	82.5	82.6	84.0	85.1	85.6	85.9	86.0	86.0	86.1	86.1	86.1	86.2
GE 500	70.0	78.5	80.9	82.6	83.1	83.2	84.8	86.0	86.6	86.9	87.0	87.1	87.2	87.3	87.3	87.4
GE 400	70.0	78.7	81.3	83.3	83.8	83.9	85.6	87.0	87.6	87.9	88.1	88.2	88.3	88.4	88.4	88.5
GE 300	70.0	78.7	81.3	83.6	84.2	84.3	86.1	87.7	88.4	88.7	88.9	89.0	89.1	89.2	89.2	89.3
GE 200	70.0	78.7	81.4	83.7	84.3	84.4	86.3	88.0	88.8	89.1	89.3	89.4	89.5	89.6	89.6	89.7
GE 100	70.0	78.7	81.4	83.7	84.3	84.4	86.4	88.1	88.9	89.2	89.4	89.5	89.6	89.7	89.7	89.8
GE 0	70.0	78.7	81.4	83.7	84.3	84.4	86.4	88.1	88.9	89.2	89.4	89.5	89.6	89.7	89.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 7457

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725067 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 11	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CEIL	48.1	48.7	49.1	49.3	49.7	49.8	49.9	49.9	49.9	49.9	49.9	49.9	50.0	50.0	50.0	50.0
GE 20000	47.8	50.6	50.9	51.1	51.4	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9
GE 18000	47.8	50.6	50.9	51.1	51.4	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9
GE 16000	47.8	50.6	50.9	51.1	51.4	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9
GE 14000	48.1	52.6	52.9	53.1	53.4	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9	53.9	53.9
GE 12000	49.4	52.6	52.9	53.1	53.4	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9	53.9	53.9
GE 10000	51.2	54.3	54.7	55.0	55.3	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.7
GE 9000	51.2	54.3	54.7	55.0	55.3	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.7
GE 8000	54.1	57.3	58.0	58.3	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0
GE 7000	56.2	59.6	59.9	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.4
GE 6000	56.1	59.8	61.4	60.8	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4
GE 5000	60.0	64.4	65.1	65.8	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4
GE 4500	61.2	65.8	66.4	67.1	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.9	67.9	67.9
GE 4000	62.4	67.7	68.3	69.0	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9	69.9	69.9
GE 3500	63.7	68.9	69.6	70.2	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2
GE 3000	65.8	71.3	72.1	72.8	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8
GE 2500	66.0	72.6	72.8	73.4	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.7	74.7	74.7	74.7
GE 2200	66.4	73.0	73.6	74.0	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.9	75.9	75.9	75.9
GE 2000	66.4	73.0	73.6	74.7	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	76.0	76.0	76.0	76.0
GE 1800	67.1	74.0	74.9	75.7	76.7	76.8	76.9	76.9	76.9	76.9	76.9	76.9	77.1	77.1	77.1	77.1
GE 1600	67.6	74.9	75.6	76.6	77.7	77.8	77.9	77.9	77.9	77.9	77.9	77.9	78.1	78.1	78.1	78.1
GE 1400	68.2	75.9	77.1	77.9	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.4	79.4	79.4	79.4
GE 1200	68.3	76.2	77.7	78.4	79.4	79.7	79.8	79.8	79.8	79.8	79.8	79.8	80.0	80.0	80.0	80.0
GE 1000	68.3	76.2	78.0	79.0	80.3	80.4	80.7	80.7	80.7	80.7	80.7	80.7	80.9	80.9	80.9	80.9
GE 900	68.4	76.3	78.1	79.0	81.1	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.9	81.9	81.9	81.9
GE 800	68.6	76.4	79.1	79.9	81.7	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.4	82.4	82.4	82.4
GE 700	68.8	76.6	79.3	80.3	83.2	83.3	83.9	84.0	84.0	84.1	84.1	84.1	84.4	84.4	84.6	84.6
GE 600	68.9	77.2	80.2	81.1	84.6	85.4	86.1	86.4	86.4	86.7	87.0	87.0	87.6	87.6	87.7	87.7
GE 500	69.1	77.4	80.4	81.4	86.2	87.2	88.6	89.1	89.1	89.4	89.8	89.8	90.3	90.3	90.9	90.9
GE 400	69.1	77.4	80.6	81.6	86.6	87.6	89.6	90.2	90.3	91.6	92.2	92.2	93.0	93.0	93.7	93.9
GE 100	69.1	77.4	80.6	81.6	86.7	87.9	89.7	90.7	90.9	93.6	94.2	94.2	95.6	95.7	97.6	98.7
GE 0	69.1	77.4	80.6	81.6	86.8	87.9	89.7	90.7	90.9	93.6	94.2	94.2	95.6	95.7	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

...AL CLIMATOLOGY BRANCH — CUMULATIVE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
...AFETAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	44.3	47.7	48.2	48.6	48.6	48.6	48.6	48.8	48.8	49.0	49.2	49.2	49.3	49.3	49.4	49.4
GE 20000	45.4	48.6	49.4	49.6	49.8	49.8	49.8	50.0	50.0	50.2	50.4	50.4	50.6	50.6	50.7	50.7
GE 18000	45.4	48.8	49.4	49.6	49.8	49.8	49.8	50.0	50.0	50.2	50.4	50.4	50.6	50.6	50.7	50.7
GE 16000	45.4	48.8	49.4	49.6	49.8	49.8	49.8	50.0	50.0	50.2	50.4	50.4	50.6	50.6	50.7	50.7
GE 14000	47.0	50.3	51.0	51.3	51.3	51.3	51.3	51.6	51.6	51.8	52.0	52.0	52.1	52.1	52.2	52.2
GE 12000	47.4	51.0	51.7	52.0	52.0	52.0	52.0	52.2	52.2	52.4	52.7	52.7	52.8	52.8	52.9	52.9
GE 10000	50.3	54.0	54.8	55.1	55.1	55.1	55.1	55.3	55.3	55.8	56.0	56.0	56.1	56.1	56.2	56.2
GE 9000	52.6	54.4	55.3	55.7	55.7	55.7	55.7	55.9	55.9	56.3	56.6	56.6	56.7	56.7	56.8	56.8
GE 8000	52.8	56.1	57.0	57.7	57.7	57.7	57.7	57.9	57.9	58.3	58.6	58.6	58.8	58.8	58.9	58.9
GE 7000	53.4	57.7	58.7	59.1	59.2	59.2	59.2	59.4	59.4	59.9	60.1	60.1	60.3	60.3	60.4	60.4
GE 6000	54.8	59.1	60.1	60.6	60.7	60.8	60.8	61.0	61.0	61.4	61.7	61.7	61.9	61.9	62.0	62.0
GE 5000	57.6	62.3	63.4	64.1	64.2	64.3	64.3	64.6	64.6	65.0	65.2	65.2	65.4	65.4	65.6	65.6
GE 4500	59.0	63.8	64.9	65.6	65.7	65.8	65.8	66.0	66.0	66.6	66.8	66.8	67.0	67.0	67.1	67.1
GE 4000	60.1	65.1	66.2	66.9	67.1	67.2	67.2	67.4	67.4	68.0	68.2	68.2	68.4	68.4	68.6	68.6
GE 3500	60.7	65.7	66.9	67.4	67.7	67.8	67.9	68.0	68.0	68.6	68.8	68.8	69.0	69.0	69.1	69.1
GE 3000	62.8	68.1	69.3	70.1	70.3	70.4	70.4	70.7	70.7	71.2	71.4	71.4	71.7	71.7	71.8	71.8
GE 2500	63.6	69.1	70.3	71.1	71.3	71.4	71.4	71.7	71.7	72.2	72.4	72.4	72.7	72.7	72.8	72.8
GE 2000	64.4	71.1	72.6	73.6	74.0	74.2	74.2	74.4	74.4	75.0	75.2	75.2	75.4	75.4	75.6	75.6
GE 1800	64.4	71.1	72.6	73.6	74.0	74.2	74.2	74.7	74.8	75.3	75.6	75.6	75.8	75.8	75.9	75.9
GE 1500	64.4	71.3	72.9	74.0	74.6	74.9	74.9	75.3	75.4	76.0	76.2	76.2	76.4	76.4	76.6	76.6
GE 1200	64.6	71.4	73.1	74.2	74.9	75.2	75.2	75.7	75.8	76.3	76.6	76.6	76.8	76.8	76.9	76.9
GE 1000	65.0	72.3	74.1	75.2	76.0	76.3	76.3	76.6	76.9	77.4	77.7	77.7	77.9	77.9	78.0	78.0
GE 900	65.1	72.4	74.6	75.7	76.4	76.6	76.9	77.3	77.4	78.0	78.2	78.2	78.4	78.4	78.6	78.6
GE 800	65.4	72.9	75.3	76.7	77.6	77.9	78.1	78.6	78.7	79.2	79.4	79.4	79.7	79.7	79.8	79.8
GE 700	65.4	72.9	75.6	77.1	78.1	78.4	78.9	79.6	79.7	80.2	80.4	80.4	80.7	80.7	80.8	80.8
GE 600	65.4	73.0	75.7	77.3	78.6	78.9	79.6	80.2	80.3	80.9	81.1	81.1	81.3	81.3	81.6	81.6
GE 500	65.7	73.8	76.7	78.6	80.3	80.9	81.8	82.6	82.7	83.2	83.7	83.7	83.9	83.9	84.4	84.4
GE 400	65.7	74.3	77.3	79.6	82.1	82.9	84.7	85.4	85.6	86.4	86.9	86.9	87.4	87.4	88.0	88.0
GE 300	65.7	74.4	77.6	80.1	83.6	84.4	87.3	88.6	88.9	89.6	90.7	90.7	91.2	91.2	92.0	92.0
GE 200	65.7	74.6	78.1	80.7	84.2	85.2	88.7	90.4	90.6	92.0	93.1	93.1	94.2	94.2	95.0	95.0
GE 100	65.7	74.6	78.1	80.7	84.3	85.3	88.8	90.6	90.9	92.4	93.6	93.6	95.9	95.9	97.6	98.4
GE 0	65.7	74.6	78.1	80.7	84.3	85.3	88.8	90.6	90.9	92.4	93.6	93.6	95.9	95.9	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

[illegible] OCCURRENCE OF CEILING VERSUS VISIBILITY
[illegible] HOURLY OBSERVATIONS

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 0600-0800

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES														
	[illegible]	[illegible]	[illegible]	[illegible]	LT 1/4	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45.6	45.8	45.8	45.9	46.1	46.1	46.1	46.3	46.3	46.3	46.3
[illegible]	[illegible]	[illegible]	[illegible]	48.3	48.3	48.3	48.3	48.4	48.7	48.7	48.7	48.9	48.9	48.9	48.9
[illegible]	[illegible]	[illegible]	[illegible]	48.4	48.6	48.6	48.6	48.7	48.9	48.9	48.9	49.1	49.1	49.1	49.1
[illegible]	[illegible]	[illegible]	[illegible]	48.6	48.6	48.6	48.6	48.7	48.9	48.9	48.9	49.1	49.1	49.1	49.1
[illegible]	[illegible]	[illegible]	[illegible]	49.4	49.6	49.6	49.6	49.9	50.0	50.2	50.2	50.2	50.4	50.4	50.4
[illegible]	[illegible]	[illegible]	[illegible]	51.1	51.2	51.2	51.2	51.3	51.6	51.6	51.6	51.8	51.8	51.8	51.8
[illegible]	[illegible]	[illegible]	53.7	54.0	54.2	54.3	54.3	54.3	54.4	54.7	54.7	54.7	54.9	54.9	54.9	54.9
[illegible]	[illegible]	[illegible]	54.4	54.6	54.8	54.9	54.9	54.9	55.0	55.2	55.2	55.2	55.4	55.4	55.4	55.4
[illegible]	[illegible]	[illegible]	56.6	56.8	56.9	56.7	58.8	58.8	58.9	59.1	59.1	59.1	59.3	59.3	59.3	59.3
[illegible]	[illegible]	[illegible]	59.2	59.4	60.1	60.2	60.3	60.3	60.4	60.7	60.7	60.7	60.9	60.9	60.9	60.9
[illegible]	[illegible]	[illegible]	59.2	60.2	60.7	61.3	61.4	61.6	61.6	61.7	61.9	61.9	61.9	62.1	62.1	62.1	62.1
[illegible]	[illegible]	62.6	62.9	63.9	64.6	65.3	65.4	65.6	65.6	65.7	65.9	65.9	65.9	66.1	66.1	66.1	66.1
[illegible]	[illegible]	65.2	66.3	66.4	67.1	67.9	68.0	68.1	68.1	68.2	68.4	68.4	68.4	68.7	68.7	68.7	68.7
[illegible]	[illegible]	67.4	67.6	68.7	69.3	70.1	70.2	70.3	70.3	70.4	70.7	70.7	70.7	70.9	70.9	70.9	70.9
[illegible]	[illegible]	67.8	68.1	69.2	69.9	70.7	70.8	70.9	70.9	71.0	71.2	71.2	71.2	71.4	71.4	71.4	71.4
[illegible]	[illegible]	68.5	69.2	70.4	71.1	72.0	72.1	72.2	72.2	72.3	72.6	72.6	72.6	72.8	72.8	72.8	72.8
[illegible]	[illegible]	68.9	71.0	72.2	73.0	73.9	74.0	74.1	74.1	74.2	74.4	74.4	74.4	74.7	74.7	74.7	74.7
[illegible]	[illegible]	69.3	73.1	74.3	75.2	76.2	76.4	76.5	76.6	76.9	77.1	77.2	77.2	77.4	77.4	77.6	77.6
[illegible]	1 [illegible]	69.3	73.1	74.3	75.2	76.2	76.4	76.5	76.6	76.9	77.1	77.2	77.2	77.4	77.4	77.6	77.6
[illegible]	1 [illegible]	69.7	73.6	75.1	75.9	76.9	77.1	77.4	77.6	77.7	77.9	78.0	78.0	78.2	78.2	78.3	78.3
[illegible]	1 [illegible]	69.9	73.8	75.9	76.9	78.0	78.2	78.6	78.7	78.8	79.0	79.1	79.1	79.3	79.3	79.4	79.4
[illegible]	1 [illegible]	70.1	74.8	76.2	77.2	78.4	78.6	79.1	79.2	79.6	79.9	80.0	80.0	80.2	80.2	80.3	80.3
[illegible]	[illegible]	70.2	75.1	76.6	77.6	78.8	79.1	79.6	79.7	80.0	80.3	80.4	80.4	80.7	80.7	80.8	80.8
[illegible]	[illegible]	70.9	76.6	77.7	78.8	80.1	80.4	80.9	81.0	81.3	81.7	81.8	81.8	82.0	82.0	82.1	82.1
[illegible]	7 [illegible]	71.0	76.2	78.0	79.3	80.7	81.1	81.7	81.8	82.1	82.4	82.6	82.6	82.8	82.8	82.9	82.9
[illegible]	[illegible]	71.0	76.4	78.4	80.3	81.7	82.1	82.7	83.1	83.4	83.8	83.9	83.9	84.1	84.1	84.3	84.3
[illegible]	[illegible]	71.4	77.0	79.0	81.7	83.7	84.0	84.7	85.4	86.0	86.3	86.6	86.6	86.8	86.8	87.1	87.1
[illegible]	4 [illegible]	71.4	77.1	79.7	82.3	84.1	84.5	86.0	87.5	88.7	89.2	89.6	89.6	90.1	90.1	90.6	90.6
[illegible]	3 [illegible]	71.4	77.1	79.7	82.4	85.1	86.1	87.3	90.0	91.5	91.7	92.3	92.3	92.9	92.9	93.4	93.4
[illegible]	5 [illegible]	71.4	77.1	79.7	82.4	85.2	86.3	87.8	90.8	92.1	93.3	94.4	94.4	95.4	95.6	96.3	96.3
[illegible]	10 [illegible]	71.4	77.1	79.7	82.4	85.2	86.3	87.9	90.9	92.2	93.6	94.8	94.8	96.2	96.6	98.2	99.4
[illegible]	[illegible]	71.4	77.1	79.7	82.4	85.2	86.3	87.8	90.9	92.2	93.6	94.8	94.8	96.2	96.6	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725000 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	42.9	45.2	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 20000	45.4	48.4	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 18000	46.1	49.1	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 16000	46.2	49.2	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 14000	48.3	51.6	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 12000	49.2	52.9	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 10000	52.1	56.2	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 9000	52.6	56.7	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 8000	56.4	61.2	61.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 7000	57.7	62.7	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 6000	59.1	64.1	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 5000	60.8	65.8	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 4500	62.4	67.8	68.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 4000	63.9	69.4	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 3500	64.9	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	71.4	71.4
GE 3000	67.3	73.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 2500	68.9	74.7	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 2000	70.1	76.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 1800	70.4	76.6	77.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.6	77.8	77.8	77.8	77.8
GE 1500	71.2	77.7	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 1200	72.1	79.2	80.2	80.7	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 1000	73.1	81.6	82.2	82.6	82.7	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 900	73.2	81.4	82.7	83.0	83.1	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 800	73.9	82.7	84.3	84.8	85.0	85.1	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 700	74.3	83.1	85.0	85.7	86.0	86.2	86.6	86.8	86.9	86.9	87.0	87.0	87.0	87.0	87.0	87.0
GE 600	74.6	84.2	86.2	87.0	87.3	87.6	88.0	88.7	88.9	89.1	89.2	89.2	89.3	89.3	89.3	89.3
GE 500	74.7	84.6	87.1	88.0	89.0	89.3	89.9	90.8	91.0	91.2	91.4	91.4	91.6	91.6	91.6	91.6
GE 400	74.8	85.1	87.7	88.6	89.7	90.1	91.2	92.1	92.3	92.6	93.0	93.0	93.2	93.2	93.2	93.2
GE 300	74.8	85.1	87.8	88.7	90.0	90.7	91.9	93.4	93.9	94.7	95.4	95.4	95.9	95.9	95.9	95.9
GE 200	74.8	85.1	87.8	88.7	90.0	90.7	91.9	93.9	94.3	96.1	97.7	97.8	98.6	98.9	99.2	99.2
GE 100	74.8	85.1	87.8	88.7	90.0	90.7	91.9	93.9	94.3	96.1	97.7	97.8	98.9	99.2	99.8	100.0
GE 0	74.8	85.1	87.8	88.7	90.0	90.7	91.9	93.9	94.3	96.1	97.7	97.8	98.9	99.2	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	42.9	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 20000	46.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 18000	46.3	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 16000	46.4	49.7	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 14000	49.0	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 12000	49.6	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 10000	51.2	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 9000	51.6	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 8000	56.3	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 7000	57.1	62.0	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
GE 6000	58.7	63.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 5000	61.1	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 4500	62.4	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 4000	65.0	71.3	71.8	71.8	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 3500	66.2	72.3	72.8	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 3000	69.0	75.3	75.9	75.9	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 2500	70.7	77.1	77.9	78.1	78.2	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 2000	71.9	78.8	80.0	80.2	80.3	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 1800	72.4	79.3	80.6	80.8	80.9	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 1600	73.7	81.1	82.3	82.7	82.9	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 1400	74.8	83.0	84.3	84.9	85.1	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 1200	75.1	84.1	85.4	86.2	86.6	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 1000	75.4	84.7	86.1	87.0	87.3	87.8	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 900	75.8	85.6	87.2	88.4	89.1	89.6	89.9	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
GE 800	76.0	85.9	88.1	89.2	90.0	90.6	91.1	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 700	76.0	85.9	88.2	89.2	90.0	90.6	91.4	91.7	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 600	76.0	85.9	88.3	89.9	91.0	91.6	92.4	92.9	92.9	93.2	93.2	93.2	93.3	93.3	93.3	93.3
GE 500	76.0	86.1	88.7	90.9	92.1	92.7	93.6	94.1	94.4	95.1	95.1	95.3	95.3	95.3	95.3	95.3
GE 400	76.0	86.1	88.7	90.9	92.3	92.9	93.8	94.7	95.2	96.4	96.7	96.7	97.1	97.1	97.2	97.2
GE 300	76.0	86.1	88.7	90.9	92.3	92.9	94.0	95.1	95.7	97.4	98.3	98.3	99.0	99.1	99.4	99.4
GE 200	76.0	86.1	88.7	90.9	92.3	92.9	94.0	95.1	95.7	97.6	98.6	98.6	99.3	99.4	99.8	99.9
GE 0	76.1	86.2	88.8	91.0	92.4	93.0	94.1	95.2	95.8	97.7	98.7	98.7	99.4	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 7	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	43.0	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 20000	47.[illegible]	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 18000	47.2	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 16000	47.2	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 14000	48.3	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 12000	49.2	51.3	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 10000	52.0	55.3	55.[illegible]	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 9000	52.8	56.3	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 8000	54.9	58.9	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 7000	55.9	60.1	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 6000	58.1	62.3	62.[illegible]	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 5000	60.7	65.0	65.4	66.0	66.[illegible]	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 4500	62.[illegible]	67.6	68.[illegible]	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 4000	64.8	70.7	71.4	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 3500	66.1	72.6	73.[illegible]	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
GE 3000	68.3	74.4	75.[illegible]	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
[illegible] 2500	70.1	76.6	77.4	78.[illegible]	78.2	78.3	78.[illegible]	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 2000	72.0	78.9	79.9	80.[illegible]	80.7	80.8	80.[illegible]	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 1900	72.4	79.0	80.[illegible]	81.[illegible]	81.[illegible]	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 1600	73.[illegible]	80.7	81.6	82.[illegible]	82.[illegible]	82.[illegible]	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 1500	74.0	81.6	84.[illegible]	85.[illegible]	85.[illegible]	85.[illegible]	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 1300	74.7	83.7	84.[illegible]	86.[illegible]	86.[illegible]	86.[illegible]	86.[illegible]	86.[illegible]	86.[illegible]	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 900	74.9	84.1	85.[illegible]	86.7	87.[illegible]	87.[illegible]	87.[illegible]	87.[illegible]	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 800	75.1	84.4	86.1	87.6	88.[illegible]	88.[illegible]	88.4	88.[illegible]	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8
GE 700	75.2	84.7	86.[illegible]	88.[illegible]	89.[illegible]	89.[illegible]	89.9	90.[illegible]	90.[illegible]	90.[illegible]	90.2	90.[illegible]	90.2	90.2	90.2	90.2
GE 600	75.2	84.9	86.[illegible]	88.[illegible]	89.[illegible]	90.[illegible]	90.[illegible]	91.[illegible]	91.[illegible]	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 500	75.3	85.[illegible]	87.1	89.[illegible]	90.[illegible]	91.[illegible]	91.7	92.[illegible]	92.[illegible]	92.4	92.4	92.4	92.4	92.4	92.4	92.4
GE 400	75.3	85.3	87.[illegible]	89.3	90.[illegible]	91.6	92.[illegible]	94.1	94.[illegible]	94.7	94.8	94.8	94.8	94.8	94.8	94.8
GE 300	75.3	85.3	87.[illegible]	89.[illegible]	90.[illegible]	91.9	92.4	95.[illegible]	95.6	96.6	96.9	96.9	97.0	97.0	97.0	97.0
GE 200	75.[illegible]	85.3	87.4	89.[illegible]	90.[illegible]	91.[illegible]	92.[illegible]	95.[illegible]	95.9	97.[illegible]	98.1	98.1	98.7	99.0	99.1	99.2
GE 100	75.3	85.3	87.4	89.4	90.9	91.[illegible]	92.7	95.6	95.9	97.4	98.3	98.3	99.3	99.7	99.9	100.0
GE 0	75.[illegible]	85.3	87.4	89.4	90.[illegible]	91.[illegible]	92.7	95.6	95.9	97.4	98.3	98.3	99.3	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: APR HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	42.3	44.1	44.2	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 20000	46.2	48.1	48.3	48.5	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 18000	47.4	49.3	49.6	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 16000	47.4	49.3	49.6	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 14000	49.7	50.6	50.9	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 12000	49.8	51.7	51.9	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 10000	51.6	53.6	54.0	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 9000	52.0	54.2	54.5	54.7	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 8000	55.4	58.0	58.3	58.5	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 7000	56.1	58.7	58.9	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 6000	59.1	61.8	62.0	62.3	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 5000	60.8	63.7	64.0	64.3	64.4	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 4500	62.0	65.1	65.4	65.8	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 4000	64.0	67.9	68.2	69.0	69.1	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 3500	65.1	69.2	70.0	70.3	70.4	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 3000	66.4	71.3	72.1	72.6	73.1	73.3	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 2500	67.4	72.4	73.6	73.9	74.3	74.7	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 2000	69.7	74.7	75.9	76.2	76.4	77.2	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 1800	69.9	75.0	76.2	76.6	77.1	77.6	77.8	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 1500	70.0	76.4	77.7	78.0	78.7	79.1	79.3	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 1200	70.9	78.4	79.9	80.6	81.2	81.7	81.9	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 1000	71.1	78.9	80.6	81.3	82.0	82.4	82.7	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 900	71.2	79.3	81.4	82.4	83.1	83.6	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 800	71.2	79.3	81.6	82.9	83.6	84.3	84.6	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 700	71.2	79.3	82.1	83.4	84.2	85.4	85.9	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 600	71.2	79.6	82.2	83.5	84.4	85.6	86.6	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 500	71.3	79.8	82.7	84.4	85.7	86.9	88.1	88.4	88.4	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 400	71.6	80.2	83.2	85.4	87.1	89.1	91.1	91.9	92.1	92.6	92.7	92.7	92.9	92.9	92.9	92.9
GE 300	71.6	80.6	83.5	86.7	88.5	90.6	93.1	93.4	93.8	95.0	95.1	95.1	95.3	95.3	95.3	95.3
GE 200	71.6	80.6	83.5	86.7	88.6	90.8	93.6	93.9	94.2	96.1	96.2	96.4	97.2	97.3	97.8	97.8
GE 100	71.6	80.6	83.5	86.9	88.7	90.9	93.6	94.1	94.6	96.7	97.1	97.3	98.2	98.4	99.0	99.4
GE 0	71.6	80.6	83.5	86.9	88.7	90.9	93.6	94.1	94.6	96.7	97.1	97.3	98.4	98.7	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH — CUMULATIVE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725[illegible] STATION NAME: [illegible] AFB MA — PERIOD OF RECORD: 77-86
MONTH: APR — HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES: ≥ 10	≥ 7	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 7/8	≥ 5/8	≥ 1/2	≥ 1/4	≥ 1/16	0
NO CEIL	44.2	47.3	48.[illegible]	48.[illegible]	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 20000	47.4	50.7	51.4	51.5	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 18000	47.7	50.9	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 16000	47.7	50.9	51.[illegible]	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 14000	49.2	52.4	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
≥ 12000	50.9	54.1	54.7	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 10000	53.2	56.9	57.[illegible]	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 9000	53.3	57.0	57.7	57.7	57.[illegible]	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 8000	56.3	60.1	60.9	60.9	61.[illegible]	61.0	61.0	61.[illegible]	61.[illegible]	61.[illegible]	61.[illegible]	61.[illegible]	61.[illegible]	61.[illegible]	61.[illegible]
≥ 7000	56.5	60.6	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 6000	58.9	63.[illegible]	63.9	63.[illegible]	64.[illegible]	64.[illegible]	64.[illegible]	64.[illegible]	64.[illegible]	64.[illegible]	64.[illegible]	64.[illegible]	64.[illegible]	64.[illegible]	64.[illegible]
≥ 5000	61.4	66.6	67.[illegible]	67.9	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]	68.[illegible]
≥ 4500	62.3	67.6	68.9	69.[illegible]	69.[illegible]	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.[illegible]
≥ 4000	63.0	69.2	70.[illegible]	70.4	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 3500	63.9	70.1	71.[illegible]	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 3000	64.9	72.3	73.9	74.[illegible]	74.2	74.[illegible]	74.2	74.[illegible]	74.2	74.[illegible]	74.2	74.[illegible]	74.2	74.2	74.[illegible]
≥ 2500	65.4	73.6	74.7	74.8	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]
≥ 2000	65.9	74.1	75.[illegible]	76.[illegible]	76.[illegible]	76.[illegible]	76.[illegible]	76.[illegible]	76.[illegible]	76.[illegible]	76.[illegible]	76.[illegible]	76.[illegible]	76.[illegible]	76.[illegible]
≥ 1800	66.1	74.6	76.[illegible]	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 1600	66.9	75.6	77.[illegible]	77.6	77.[illegible]	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 1200	67.7	76.6	79.[illegible]	79.3	79.7	79.[illegible]	79.[illegible]	79.[illegible]	79.[illegible]	79.8	79.8	79.8	79.[illegible]	79.[illegible]	79.8
≥ 1000	68.2	77.7	80.[illegible]	80.3	80.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]
≥ 900	68.2	77.8	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]
≥ 800	68.2	77.9	81.[illegible]	81.1	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]	81.[illegible]
≥ 700	68.3	78.[illegible]	81.[illegible]	82.[illegible]	82.[illegible]	[illegible]	82.[illegible]	82.[illegible]	82.[illegible]	82.[illegible]	82.[illegible]	82.[illegible]	82.[illegible]	82.[illegible]	82.[illegible]
≥ 600	68.3	78.4	81.7	82.6	83.[illegible]	83.4	83.[illegible]	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 500	68.4	78.7	81.[illegible]	83.[illegible]	84.[illegible]	84.7	85.[illegible]	85.4	85.4	85.4	85.4	85.4	85.6	85.6	85.[illegible]
≥ 400	68.6	78.8	82.[illegible]	84.4	85.[illegible]	87.1	87.[illegible]	88.7	88.9	89.[illegible]	89.1	89.2	89.[illegible]	89.4	89.4
≥ 300	69.6	78.8	83.[illegible]	85.[illegible]	87.4	89.4	89.9	90.7	91.1	91.7	91.9	91.9	92.2	92.[illegible]	92.6
≥ 200	69.6	78.8	83.1	85.[illegible]	87.[illegible]	89.9	91.[illegible]	92.2	92.[illegible]	94.[illegible]	94.7	94.3	94.9	95.7	95.7
≥ 100	69.6	78.8	83.[illegible]	85.3	88.1	89.[illegible]	91.4	93.[illegible]	93.8	95.4	95.1	96.[illegible]	97.2	97.4	98.[illegible]
0	69.6	78.8	83.[illegible]	85.3	88.1	90.[illegible]	91.4	93.[illegible]	93.8	95.4	95.2	96.3	97.4	97.7	99.[illegible]	100.0

TOTAL NUMBER OF OBSERVATIONS : [illegible]

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC — FIVE-DAILY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725067 STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-84
MONTH: APR HOURS(EST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/8	5/8	1/2	3/16	0	1/4	0
NO CEIL	43.4	46.2	46.3	46.4	46.5	46.5	46.6	46.6	46.6	46.7	46.7	46.7	46.7	46.8	46.8		
GE 20000	46.1	49.2	49.3	49.5	49.6	49.6	49.6	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8		
GE 18000	46.6	49.3	49.7	49.9	50.0	50.0	50.1	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2		
GE 16000	46.9	49.4	49.8	49.9	50.0	50.0	50.1	50.1	50.1	50.2	50.2	50.2	50.2	50.3	50.3		
GE 14000	47.0	50.5	51.0	51.2	51.4	51.6	51.6	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8		
GE 12000	48.9	51.9	52.3	52.5	52.7	52.7	52.7	52.7	52.8	52.9	52.8	52.8	52.9	52.9	52.9		
GE 10000	51.2	54.9	55.2	55.3	55.6	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.9	55.9	55.9		
GE 9000	51.5	55.3	55.6	56.0	56.1	56.1	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3		
GE 8000	54.5	58.7	59.2	59.3	59.7	59.7	59.7	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.0		
GE 7000	55.5	59.8	60.4	60.7	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1	61.1	61.2	61.2		
GE 6000	57.2	61.7	62.3	62.6	62.7	62.8	62.8	62.8	62.8	62.9	62.9	62.9	63.0	63.0	63.0		
GE 5000	59.9	64.9	65.4	66.0	66.1	66.2	66.2	66.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5		
GE 4500	61.3	66.5	67.2	67.6	67.8	67.9	67.9	67.9	67.9	68.0	68.1	68.1	68.2	68.2	68.2		
GE 4000	63.7	68.6	69.3	69.8	70.1	70.2	70.2	70.3	70.3	70.4	70.4	70.4	70.5	70.5	70.5		
GE 3500	63.9	69.6	70.5	70.9	71.2	71.3	71.3	71.4	71.4	71.5	71.5	71.5	71.6	71.6	71.6		
GE 3000	65.6	71.9	72.9	73.3	73.6	73.6	73.7	73.7	73.7	74.0	74.0	74.0	74.1	74.1	74.1		
GE 2500	66.9	73.2	74.2	74.6	75.1	75.3	75.3	75.4	75.4	75.5	75.5	75.5	75.6	75.6	75.6		
GE 2000	68.2	75.0	76.2	76.7	77.1	77.3	77.4	77.4	77.5	77.6	77.6	77.6	77.7	77.7	77.7		
GE 1800	68.2	75.3	76.5	77.1	77.4	77.6	77.7	77.8	77.8	77.9	78.0	78.0	78.1	78.1	78.1		
GE 1500	68.9	76.3	77.6	78.1	78.4	78.6	78.6	78.7	78.7	78.8	78.9	79.0	79.3	79.3	79.3		
GE 1200	69.6	77.6	79.0	79.6	80.0	80.2	80.2	80.3	80.4	80.5	80.6	80.7	81.0	81.1	81.1		
GE 1000	71.1	78.5	80.1	80.7	81.1	81.3	81.4	81.5	81.5	81.6	81.7	81.8	82.1	82.3	82.3		
GE 900	72.2	79.9	81.4	82.1	82.5	82.6	82.7	82.8	82.8	82.9	83.0	83.0	83.3	83.5	83.5		
GE 800	72.5	79.9	81.4	82.0	82.3	82.4	82.5	82.6	82.6	82.7	82.8	82.8	83.1	83.2	83.2		
GE 700	72.6	79.9	81.4	82.0	82.3	82.4	82.5	82.6	82.6	82.7	82.8	82.8	83.1	83.2	83.2		
GE 600	72.7	79.9	81.5	82.1	82.4	82.5	82.6	82.7	82.7	82.8	82.9	82.9	83.2	83.3	83.3		
GE 500	73.0	80.2	81.8	82.4	82.6	82.8	82.9	83.0	83.0	83.1	83.2	83.2	83.4	83.5	83.5		
GE 400	73.0	80.5	82.1	82.8	83.1	83.2	83.3	83.4	83.4	83.5	83.6	83.6	83.8	83.9	83.9		
GE 300	73.0	80.6	82.2	82.9	83.2	83.4	83.5	83.6	83.6	83.7	83.8	83.8	84.0	84.1	84.1		
GE 200	73.0	80.6	82.3	83.0	83.3	83.5	83.6	83.7	83.7	83.8	83.9	83.9	84.1	84.2	84.2		
GE 100	73.0	80.6	82.3	83.0	83.3	83.5	83.6	83.7	83.7	83.8	83.9	83.9	84.1	84.2	84.2		
0	73.0	80.6	82.3	83.0	83.3	83.5	83.6	83.7	83.7	83.8	83.9	83.9	84.1	84.2	84.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 726

GLOBAL CLIMATOLOGY BRANCH — FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
AFETAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725[illegible] STATION NAME: [illegible] AFB MA — PERIOD OF RECORD: 77-86
MONTH: MAY — HOURS(LST): 0000-0259

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 10	GE 6	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	37.9	42.5	47.[illegible]	44.3	45.4	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
GE 20000	40.1	44.7	46.1	46.6	47.1	47.7	48.0	48.1	48.1	48.1	48.0	48.0	48.0	48.0	48.0
GE 18000	40.3	44.9	46.3	46.8	47.3	47.9	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 16000	40.3	44.9	46.3	46.8	47.3	47.9	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 14000	41.4	46.1	47.6	48.1	48.7	49.3	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 12000	41.6	46.3	48.1	48.6	49.2	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 10000	47.1	48.3	51.[illegible]	51.[illegible]	52.[illegible]	52.[illegible]	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 9000	47.6	49.1	52.5	51.[illegible]	53.[illegible]	53.[illegible]	53.[illegible]	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 8000	48.2	50.7	54.4	54.[illegible]	55.7	56.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 7000	48.8	54.3	56.[illegible]	56.[illegible]	57.4	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 6000	49.7	55.4	57.1	57.[illegible]	59.[illegible]	59.[illegible]	59.5	59.6	59.6	59.6	59.8	59.8	59.8	59.8	59.8
GE 5000	50.8	56.9	59.[illegible]	59.7	61.[illegible]	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 4500	51.1	57.3	59.4	60.[illegible]	61.7	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 4000	51.6	57.8	59.9	60.[illegible]	62.[illegible]	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 3500	52.7	59.[illegible]	61.1	62.[illegible]	63.[illegible]	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 3000	54.3	61.[illegible]	63.[illegible]	64.1	65.6	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 2500	54.7	61.6	64.[illegible]	65.[illegible]	66.[illegible]	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 2 000	55.4	62.[illegible]	65.[illegible]	66.3	67.4	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 1800	55.6	63.[illegible]	65.7	66.[illegible]	67.[illegible]	68.[illegible]	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 1500	56.0	63.7	66.1	67.[illegible]	68.[illegible]	68.[illegible]	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 1200	56.7	64.[illegible]	66.7	67.7	69.[illegible]	69.[illegible]	69.[illegible]	69.[illegible]	69.6	69.[illegible]	69.8	69.8	69.[illegible]	69.[illegible]	69.8
GE 1000	56.9	64.8	67.[illegible]	68.[illegible]	70.3	70.4	70.[illegible]	70.[illegible]	70.[illegible]	70.8	70.8	70.8	70.8	70.8	70.8
GE 900	57.1	65.1	67.[illegible]	68.7	70.[illegible]	70.[illegible]	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 800	57.5	65.7	68.4	69.[illegible]	71.4	71.7	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 700	57.8	66.[illegible]	69.[illegible]	71.[illegible]	73.5	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 600	58.[illegible]	67.[illegible]	70.[illegible]	72.[illegible]	74.[illegible]	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 500	58.7	67.7	71.4	73.4	75.[illegible]	76.7	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
GE 400	59.[illegible]	68.[illegible]	72.[illegible]	74.[illegible]	77.[illegible]	78.7	80.[illegible]	80.[illegible]	80.[illegible]	80.8	80.9	80.9	80.9	80.9	80.9
GE 300	59.9	68.[illegible]	72.[illegible]	75.[illegible]	78.4	80.[illegible]	83.7	84.5	84.6	84.8	84.8	84.8	84.8	84.8	85.[illegible]
GE 200	[illegible]	[illegible]	73.1	76.[illegible]	[illegible].1	1.6	[illegible].1	85.5	85.8	87.[illegible]	87.8	87.7	88.3	88.3	88.5	88.8
GE 100	1[illegible]	[illegible]	73.1	76.[illegible]	[illegible].1	[illegible].7	[illegible].7	[illegible].6	87.[illegible]	89.1	90.5	90.[illegible]	94.3	94.1	96.7	97.4
GE 0	[illegible]	68.4	73.1	76.[illegible]	[illegible].1	[illegible].7	[illegible].7	[illegible].6	87.[illegible]	89.1	90.6	90.9	94.1	94.2	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS : [illegible]

NATIONAL CLIMATIC DATA CENTER — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725[illegible] STATION NAME: [illegible] MA — PERIOD OF RECORD: 77-80
MONTH: MAY — HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES: ≥ 10	≥ 7	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 7/8	≥ 5/8	≥ 1/2	≥ 5/16	≥ 1/4	< 1/4
No CEIL	34.1	37.[illegible]	39.[illegible]	39.8	40.[illegible]	41.[illegible]	41.7	41.8	41.7	41.9	41.9	41.9	41.9	41.9	41.9	42.2
≥ 25000	35.7	36.9	41.	41.8	42.[illegible]	43.4	43.4	43.9	44.[illegible]	44.3	44.3	44.4	44.4	44.4	44.4	44.6
≥ 18000	35.7	36.9	41.[illegible]	41.8	42.[illegible]	43.4	43.4	43.9	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.6
≥ 16000	35.7	36.9	41.	41.8	42.[illegible]	43.4	43.4	43.9	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.6
≥ 14000	36.[illegible]	40.[illegible]	44.[illegible]	44.8	44.[illegible]	44.[illegible]	44.7	45.[illegible]	45.[illegible]	45.6	45.6	45.6	45.7	45.7	45.7	45.9
≥ 12000	37.[illegible]	41.5	45.[illegible]	45.[illegible]	46.[illegible]	47.[illegible]	47.4	47.[illegible]	48.[illegible]	48.[illegible]	48.[illegible]	48.[illegible]	48.[illegible]	48.[illegible]	48.[illegible]	48.6
≥ 10000	39.4	43.[illegible]	47.[illegible]	48.[illegible]	48.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.4	49.4	49.4	49.6
≥ 9000	41.1	44.3	48.[illegible]	48.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	49.[illegible]	50.[illegible]	50.2	50.2	50.3	50.3	50.3	50.5
≥ 8000	44.2	48.[illegible]	51.[illegible]	51.7	52.1	53.7	54.[illegible]	54.4	54.5	54.[illegible]	54.8	54.9	54.9	54.9	54.9	55.2
≥ 7000	44.9	50.[illegible]	55.4	56.[illegible]	56.4	56.[illegible]	56.[illegible]	56.[illegible]	56.[illegible]	56.[illegible]	56.1	56.1	56.2	56.2	56.2	56.5
≥ 6000	46.2	51.7	56.[illegible]	56.[illegible]	56.[illegible]	56.[illegible]	57.1	57.[illegible]	57.7	58.[illegible]	58.1	58.1	58.2	58.2	58.2	58.4
≥ 5500	47.[illegible]	52.[illegible]	57.[illegible]	58.1	58.[illegible]	59.1	59.4	59.[illegible]	59.[illegible]	59.[illegible]	59.4	59.4	59.5	59.5	59.5	59.7
≥ 5000	47.7	53.[illegible]	58.[illegible]	59.[illegible]	59.[illegible]	60.[illegible]	60.[illegible]	60.[illegible]	60.[illegible]	60.[illegible]	59.9	59.9	60.0	60.[illegible]	60.[illegible]	60.2
≥ 4500	47.7	53.7	58.[illegible]	59.1	59.[illegible]	60.4	60.[illegible]	60.[illegible]	60.[illegible]	60.[illegible]	60.[illegible]	60.[illegible]	60.9	60.9	60.9	61.1
≥ 4000	49.[illegible]	54.9	59.7	59.[illegible]	60.[illegible]	61.[illegible]	61.7	61.[illegible]	62.[illegible]	62.[illegible]	62.2	62.2	62.3	62.3	62.3	62.5
≥ 3500	50.[illegible]	57.[illegible]	61.[illegible]	61.[illegible]	62.[illegible]	63.[illegible]	63.4	63.[illegible]	63.[illegible]	63.[illegible]	63.[illegible]	63.[illegible]	63.9	63.9	63.9	64.1
≥ 3000	51.[illegible]	58.[illegible]	63.4	64.[illegible]	64.[illegible]	64.[illegible]	65.[illegible]	65.9	66.[illegible]	66.[illegible]	66.5	66.5	66.6	66.6	66.6	66.8
≥ 2500	51.9	58.[illegible]	63.[illegible]	64.[illegible]	65.[illegible]	65.9	66.[illegible]	67.[illegible]	67.1	67.[illegible]	67.5	67.5	67.6	67.6	67.6	67.8
≥ 2000	51.9	58.[illegible]	63.[illegible]	64.[illegible]	65.[illegible]	65.[illegible]	66.[illegible]	67.[illegible]	67.[illegible]	67.[illegible]	67.6	67.6	67.7	67.7	67.7	68.[illegible]
≥ 1800	51.9	59.[illegible]	64.[illegible]	65.[illegible]	66.[illegible]	66.[illegible]	67.[illegible]	67.[illegible]	67.7	68.[illegible]	68.[illegible]	68.[illegible]	68.3	68.3	68.3	68.5
≥ 1700	52.6	60.[illegible]	64.[illegible]	66.[illegible]	67.[illegible]	67.[illegible]	68.[illegible]	69.[illegible]	69.[illegible]	69.[illegible]	69.6	69.6	69.7	69.7	69.7	69.9
≥ 1600	53.7	62.[illegible]	66.[illegible]	67.[illegible]	68.[illegible]	68.[illegible]	69.[illegible]	69.[illegible]	69.9	70.[illegible]	70.3	70.3	70.4	70.4	70.4	70.6
≥ 1500	53.7	62.[illegible]	66.[illegible]	68.7	69.[illegible]	69.7	70.1	70.[illegible]	70.[illegible]	71.[illegible]	71.3	71.3	71.4	71.4	71.4	71.7
≥ 1400	53.7	62.[illegible]	66.[illegible]	68.7	69.[illegible]	70.[illegible]	71.[illegible]	71.[illegible]	71.[illegible]	72.[illegible]	72.5	72.6	72.6	72.6	72.6	72.9
≥ 1300	53.7	62.7	67.[illegible]	68.[illegible]	71.[illegible]	72.[illegible]	72.[illegible]	73.[illegible]	73.[illegible]	73.7	73.7	73.[illegible]	73.[illegible]	73.[illegible]	73.[illegible]	74.1
≥ 1200	53.7	62.[illegible]	67.[illegible]	68.[illegible]	71.[illegible]	72.[illegible]	73.[illegible]	73.[illegible]	73.[illegible]	74.3	74.3	74.3	74.4	74.4	74.4	74.7
≥ 1100	53.7	63.[illegible]	67.[illegible]	68.[illegible]	71.[illegible]	73.[illegible]	73.[illegible]	74.[illegible]	74.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	76.[illegible]
≥ 1000	53.7	63.[illegible]	67.[illegible]	68.[illegible]	71.[illegible]	73.[illegible]	73.[illegible]	74.[illegible]	74.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	76.[illegible]
≥ 900	53.7	63.[illegible]	67.[illegible]	68.[illegible]	71.[illegible]	73.[illegible]	73.[illegible]	74.[illegible]	74.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	76.[illegible]
≥ 800	53.7	63.[illegible]	67.[illegible]	68.[illegible]	71.[illegible]	73.[illegible]	73.[illegible]	74.[illegible]	74.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	76.[illegible]
≥ 700	53.7	63.[illegible]	67.[illegible]	68.[illegible]	71.[illegible]	73.[illegible]	73.[illegible]	74.[illegible]	74.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	76.[illegible]
≥ 600	53.7	63.[illegible]	67.[illegible]	68.[illegible]	71.[illegible]	73.[illegible]	73.[illegible]	74.[illegible]	74.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	76.[illegible]
≥ 500	53.7	63.[illegible]	67.[illegible]	68.[illegible]	71.[illegible]	73.[illegible]	73.[illegible]	74.[illegible]	74.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	76.[illegible]
≥ 400	53.7	63.[illegible]	67.[illegible]	68.[illegible]	71.[illegible]	73.[illegible]	73.[illegible]	74.[illegible]	74.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	76.[illegible]
≥ 300	53.7	63.[illegible]	67.[illegible]	68.[illegible]	71.[illegible]	73.[illegible]	73.[illegible]	74.[illegible]	74.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	76.[illegible]
≥ 200	53.7	63.[illegible]	67.[illegible]	68.[illegible]	71.[illegible]	73.[illegible]	73.[illegible]	74.[illegible]	74.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	76.[illegible]
≥ 100	53.7	63.[illegible]	67.[illegible]	68.[illegible]	71.[illegible]	73.[illegible]	73.[illegible]	74.[illegible]	74.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	76.[illegible]
≥ 0	53.7	63.[illegible]	67.[illegible]	68.[illegible]	71.[illegible]	73.[illegible]	73.[illegible]	74.[illegible]	74.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	75.[illegible]	76.[illegible]

TOTAL NUMBER OF OBSERVATIONS:

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF CEILING VERSUS VISIBILITY
U.S. ARMY
AIR WEATHER SERVICE/MAC

STATION NUMBER : 72[illegible] STATION NAME: [illegible] MA — PERIOD OF RECORD: 77-81
MONTH: MAY HOURS(LST): 0[illegible]-0[illegible]

CEILING IN FEET	VISIBILITY IN STATUTE MILES: 10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/8	5/8	1/2	3/16	1/4	0
NO CEIL	34.9	39.6	40.9	41.3	41.6	42.3	42.6	42.6	42.6	42.6	42.7	42.8	42.8	42.8	42.8	42.7
25000	36.5	42.5	43.7	44.3	44.6	45.1	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
18000	36.9	42.5	43.7	44.4	44.7	45.2	45.4	45.5	45.5	45.6	45.5	45.5	45.5	45.5	45.5	45.6
16000	37.1	42.6	43.	44.5	44.8	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.7
14000	38.2	43.6	45.1	45.7	46.0	46.2	46.5	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.1
12000	39.9	45.5	46.7	47.4	47.7	48.1	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.7
10000	42.4	49.2	50.7	51.6	52.0	52.4	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.9
9000	43.6	49.5	51.1	51.9	52.3	52.8	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.1
8000	44.7	51.7	53.4	54.2	54.6	55.1	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7
7000	46.7	53.2	55.1	56.0	56.5	56.7	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3
6000	48.4	54.6	56.6	57.6	58.0	58.3	58.6	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.4
5500	49.7	57.1	59.	60.1	60.6	61.0	61.3	61.6	61.6	61.6	61.9	61.9	61.9	61.9	61.9	62.0
5000	49.9	57.5	59.	60.2	60.8	61.4	61.8	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.5
4500	50.1	59.1	61.2	62.1	62.7	63.4	63.8	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.2
4000	50.2	59.3	61.4	62.3	62.9	63.7	64.1	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.6
3500	51.2	60.6	62.7	63.7	64.3	65.1	65.7	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.5
3000	52.7	61.6	63.8	64.9	65.5	66.3	66.9	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.6
2500	53.2	63.1	65.4	66.6	67.4	68.2	68.8	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.5
2000	53.2	63.4	65.8	67.0	67.8	68.6	69.1	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.5
1500	53.7	64.4	67.0	68.2	69.0	69.8	70.4	70.9	71.0	71.0	70.9	70.8	70.8	70.8	70.8	70.1
1000	54.5	64.6	67.1	68.3	69.1	69.9	70.7	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.3
900	54.7	64.8	67.1	68.4	69.2	70.0	70.7	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.4
800	54.8	65.1	67.4	68.7	69.5	70.4	71.1	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.8
700	55.0	65.4	67.8	69.1	69.9	70.8	71.5	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.2
600	55.2	65.6	68.0	69.3	70.1	71.0	71.7	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.4
500	55.4	65.8	68.2	69.5	70.3	71.2	71.9	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.6
400	55.5	66.0	68.4	69.7	70.5	71.4	72.1	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.8
300	55.6	66.1	68.5	69.8	70.6	71.5	72.2	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9
200	55.6	66.1	68.5	69.8	70.6	71.5	72.2	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9
100	55.6	66.1	68.5	69.8	70.6	71.5	72.2	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9
0	55.6	66.1	68.5	69.8	70.6	71.5	72.2	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.9

TOTAL NUMBER OF OBSERVATIONS : [illegible]

[illegible] FREQUENCY OF CEILING VERSUS VISIBILITY
[illegible] MEAN ANNUAL OBSERVATIONS
[illegible]

STATION: [illegible] STATION [illegible] [illegible] [illegible] PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(EST): 0500-1100

CEILING (FEET)	VISIBILITY IN STATUTE MILES															
	10	7	5	4	3	2 1/2	2	1 3/4	1 1/2	1 1/4	1	7/8	3/4	5/8	1/2	5/16	1/4	0
20000	44.4	49.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
15000	49.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
10000	49.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
5000	46.5	51.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
3000	47.5	[illegible]	[illegible]	[illegible]	[illegible]	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
2000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
1500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
1000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
150	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97.3	97.3	97.6	98.0	98.2	98.3	98.3	98.3
0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97.5	97.6	98.8	98.9	99.5	99.9	99.9	99.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97.5	97.6	98.8	99.1	99.6	100.0	[illegible]	[illegible]

TOTAL NUMBER OF OBSERVATIONS: [illegible]

[illegible] CUMULATIVE FREQUENCY OF CEILING VERSUS VISIBILITY
[illegible] FOR MONTHLY OBSERVATIONS
[illegible]

STATION NUMBER: 7[illegible] STATION NAME: [illegible] PA PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	LT 1/4	LT 1/2	LT 3/4	LT 1	LT 1 1/4	LT 1 1/2	LT 1 3/4	LT 2	LT 2 1/2	LT 3	GE 3	GE 3 1/2	GE 4	GE 5	GE 6	GE 7
CEIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91.7	92.5	92.5	92.6	92.8	92.8	92.8	92.8	92.8	92.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94.1	94.4	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	96.1	96.2	97.8	98.2	98.2	98.4	98.4	98.4	98.4	98.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	96.5	96.7	98.6	99.1	99.1	99.4	99.4	99.5	99.5	99.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	96.5	96.7	98.6	99.1	99.1	99.6	99.6	100.0	100.0	100.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	96.5	96.7	98.6	99.1	99.1	99.6	99.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725[illegible] STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	LT 1/8	GE 1/8	GE 1/4	GE 1/2	GE 3/4	GE 1	GE 1 1/4	GE 1 1/2	GE 1 3/4	GE 2	GE 2 1/2	GE 3	GE 4	GE 5	GE 6	GE 7
ALL CEIL	46.6	46.2	47.1	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
25000	49.1	51.5	52.6	52.7	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	49.2	51.7	52.8	52.9	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
15000	49.4	51.9	53.1	53.1	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
10000	49.9	53.7	55.2	55.3	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
9000	47.6	55.3	56.8	56.9	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
8000	47.9	58.7	60.3	60.4	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
7000	47.9	59.2	60.9	61.0	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
6000	47.2	63.2	65.1	65.2	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
5000	46.5	64.1	65.7	66.0	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
4500	46.3	65.4	67.2	67.3	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
4000	57.2	67.6	69.4	70.0	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
3500	58.2	69.1	71.0	72.1	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
3000	58.9	73.3	75.4	76.5	77.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2500	59.7	71.2	73.4	73.5	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
2000	60.9	72.4	74.7	74.8	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
1800	62.0	74.6	76.9	76.9	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
1700	63.2	75.5	78.1	78.3	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
1600	63.4	75.7	78.4	78.7	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
1500	64.3	77.6	79.7	80.1	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
1200	65.1	77.8	80.0	81.4	83.0	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
1000	65.2	78.2	81.0	82.3	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
900	65.4	78.6	81.4	82.8	84.5	84.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
800	65.7	79.0	82.7	84.2	86.2	86.3	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
700	65.9	79.9	83.1	84.7	87.1	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
600	65.9	80.2	83.6	85.0	87.4	87.6	88.9	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
500	66.2	81.3	84.9	86.9	89.3	90.3	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
400	66.2	81.3	85.3	87.3	90.6	91.2	92.6	93.1	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4
300	66.2	81.4	85.3	87.6	91.1	91.7	93.3	94.5	94.8	95.5	96.0	96.0	96.0	96.0	96.0	96.0
200	66.2	81.4	85.3	87.6	91.2	91.8	93.8	95.1	95.5	96.8	98.1	98.2	99.0	99.0	99.2	99.4
100	66.2	81.4	85.3	87.6	91.2	91.8	93.8	95.1	95.5	96.9	98.2	98.3	99.4	99.4	99.7	100.0
	66.2	81.4	85.3	87.6	91.2	91.8	93.8	95.1	95.5	96.9	98.2	98.3	99.4	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

[illegible] CLIMATOLOGY BRANCH [illegible] PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
[illegible] AFETAC FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

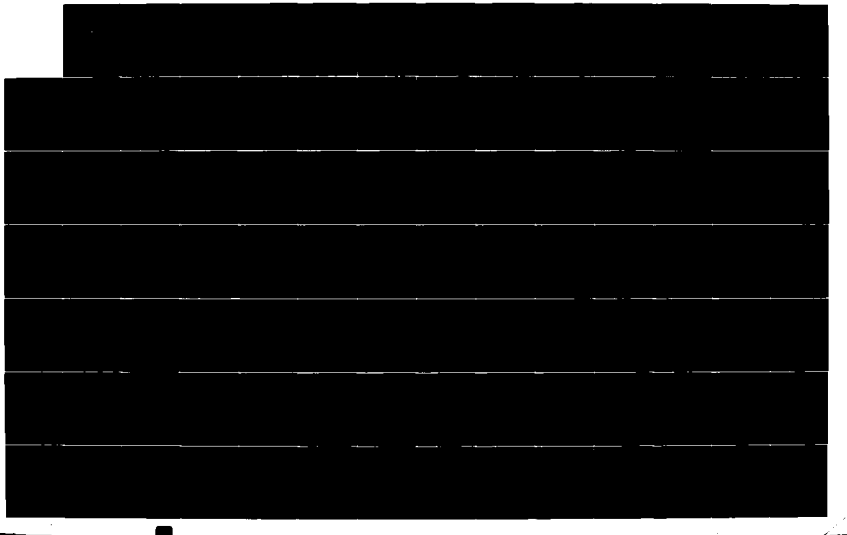
STATION NUMBER: [illegible] STATION NAME: [illegible] PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 1800-2000

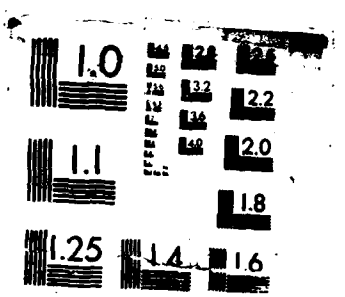
CEILING (FEET)	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	[illegible]	[illegible]	[illegible]	44.[illegible]	44.7	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
GE 20000	[illegible]	47.[illegible]	[illegible]	[illegible]	49.1	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 18000	[illegible]	47.7	[illegible]	49.7	[illegible]	[illegible]	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 16000	[illegible]	47.7	[illegible]	49.7	[illegible]	[illegible]	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 14000	44.1	[illegible]	[illegible]	[illegible]	[illegible]	53.7	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 12000	[illegible]	[illegible]	[illegible]	54.7	[illegible]	[illegible]	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 10000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 9000	[illegible]	[illegible]	[illegible]	[illegible]	59.1	[illegible]	59.6	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 8000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	64.[illegible]	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 7000	[illegible]	[illegible]	[illegible]	63.7	64.[illegible]	64.[illegible]	64.[illegible]	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 6000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	66.3	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 5000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 4500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 4000	[illegible]	65.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 3500	[illegible]	[illegible]	[illegible]	69.7	[illegible]	[illegible]	71.[illegible]	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 2500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 2000	[illegible]	[illegible]	71.[illegible]	[illegible]	74.[illegible]	[illegible]	74.[illegible]	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 1800	[illegible]	[illegible]	[illegible]	[illegible]	74.4	[illegible]	[illegible]	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 1500	[illegible]	[illegible]	[illegible]	73.4	[illegible]	[illegible]	[illegible]	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 1200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	77.4	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 1000	[illegible]	[illegible]	[illegible]	75.7	77.1	77.6	[illegible]	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5
GE 900	[illegible]	71.2	74.[illegible]	[illegible]	77.[illegible]	[illegible]	78.6	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 800	[illegible]	71.7	[illegible]	77.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 700	[illegible]	71.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 600	[illegible]	72.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	83.1	[illegible]	83.2	83.2	83.2	83.2	83.2	83.2
GE 500	59.9	72.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	85.3	85.3	85.3	85.3	85.3
GE 400	[illegible]	[illegible]	[illegible]	81.1	[illegible]	[illegible]	[illegible]	[illegible]	87.1	[illegible]	87.7	87.7	87.7	87.7	87.7	87.7
GE 300	59.9	73.[illegible]	[illegible]	81.1	84.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	90.3	90.9	90.9	90.9	90.9
GE 200	[illegible]	73.0	[illegible]	81.1	84.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	93.3	93.4	94.7	94.8	95.2	95.3
GE 100	[illegible]	73.0	[illegible]	81.1	84.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94.[illegible]	94.[illegible]	96.3	96.5	98.4	99.0
GE 0	59.9	73.0	[illegible]	81.1	84.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94.0	94.2	96.5	96.7	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

AD-A183 452 OTIS ANGB MASSACHUSETTS REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 12 JUN 87 3/4

UNCLASSIFIED USAFETAC DS-87/040 F/G 4/2 NL





MICROCOPY RESOLUTION TEST CHART

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	39.4	43.7	44.3	45.1	45.5	45.5	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 20000	41.2	45.6	46.4	47.1	47.6	47.6	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 18000	41.2	45.7	46.5	47.3	47.7	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 16000	41.2	45.7	46.5	47.3	47.7	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 14000	42.9	47.7	48.5	49.4	49.8	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 12000	43.6	48.6	49.7	50.7	51.1	51.1	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 10000	45.2	51.6	52.6	53.6	54.0	54.0	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 9000	46.0	52.3	53.4	54.4	54.8	54.8	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 8000	49.8	56.7	57.9	58.9	59.6	59.6	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 7000	50.6	57.5	58.7	59.8	60.4	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 6000	51.5	58.6	59.8	60.8	61.6	61.6	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 5000	52.2	59.7	61.0	62.0	63.2	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 4500	52.7	60.2	61.5	63.0	63.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 4000	53.3	61.4	63.1	64.2	64.9	64.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 3500	54.1	62.5	64.2	65.3	66.1	66.1	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 3000	55.7	64.5	66.2	67.3	68.2	68.2	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 2500	56.5	65.7	67.5	68.6	69.5	69.5	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 2000	56.9	66.5	68.3	69.6	70.7	70.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 1800	57.2	66.8	68.6	70.0	71.0	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 1500	57.8	67.7	69.5	71.0	72.2	72.2	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 1200	58.1	68.0	70.0	71.5	73.0	73.0	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 1000	58.6	68.6	70.9	72.3	74.1	74.1	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8
GE 900	58.8	69.0	71.2	72.6	74.3	74.3	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0
GE 800	58.8	69.1	71.3	72.9	74.5	74.5	75.0	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7
GE 700	59.0	69.6	72.0	73.7	76.1	76.1	76.6	76.7	76.7	76.7	76.9	76.9	76.9	76.9	76.9	76.9
GE 600	59.2	70.3	73.1	74.9	77.5	77.5	78.1	78.3	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4
GE 500	59.4	70.8	74.1	76.0	79.1	79.1	79.9	80.0	80.1	80.1	80.2	80.2	80.3	80.3	80.3	80.3
GE 400	59.4	71.0	74.7	77.4	81.7	82.0	82.9	83.3	83.4	83.6	83.7	84.0	84.1	84.1	84.1	84.1
GE 300	59.4	71.3	75.3	78.1	83.3	83.9	85.3	86.0	86.3	86.7	86.9	87.2	87.3	87.3	87.3	87.4
GE 200	59.4	71.5	75.5	78.4	83.9	84.7	86.8	88.1	88.5	89.6	90.5	90.9	91.3	91.3	91.3	91.4
GE 100	59.4	71.5	75.6	78.4	83.9	84.7	86.9	88.2	88.6	90.3	91.9	92.2	94.4	94.6	96.7	96.9
GE 0	59.4	71.5	75.6	78.4	83.9	84.7	86.9	88.2	88.6	90.4	92.0	92.4	94.7	95.0	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAY HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 7	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	38.1	42.8	43.2	44.2	44.5	44.9	45.0	45.2	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.2
GE 25000	41.1	46.1	47.2	47.7	48.1	48.4	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 18000	41.4	46.5	47.5	48.0	48.4	48.6	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.1
GE 16000	41.4	46.5	47.6	48.1	48.7	48.8	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 14000	42.5	48.2	49.1	50.0	50.7	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.2	51.2	51.2	51.2
GE 12000	43.5	49.4	50.7	51.3	52.1	52.2	52.3	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 10000	46.1	52.5	53.9	54.5	55.1	55.4	55.6	55.7	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.8
GE 9000	46.4	53.1	54.7	55.1	55.9	56.0	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
GE 8000	49.4	56.6	58.1	58.7	59.6	59.7	59.9	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 7000	51.7	59.1	60.9	61.6	62.6	62.6	62.8	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 6000	51.4	58.9	60.8	61.1	61.9	61.9	62.1	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.6
GE 5000	57.7	65.6	67.2	63.6	64.1	64.2	64.5	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 4500	57.7	61.5	63.2	63.9	64.5	65.0	65.3	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.6
GE 4000	58.1	62.7	64.4	65.2	66.2	66.3	66.4	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	67.0
GE 3500	58.9	63.6	65.4	66.2	67.2	67.4	67.6	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 3000	59.1	63.8	65.7	66.6	68.1	68.3	68.4	68.8	68.8	68.9	69.9	69.9	69.9	69.9	69.9	70.0
GE 2500	66.9	68.2	69.2	69.8	70.9	70.9	70.8	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.2
GE 2000	67.4	67.8	69.7	70.4	71.6	71.9	72.3	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.7
GE 1800	67.4	67.8	69.6	70.3	71.5	71.8	72.2	72.4	72.4	72.5	73.0	73.0	73.0	73.0	73.0	73.0
GE 1600	67.8	68.2	70.0	70.7	71.9	72.2	72.6	72.8	73.0	73.1	74.0	74.0	74.0	74.0	74.0	74.0
GE 1400	68.1	68.6	70.4	71.2	72.4	72.7	73.1	73.3	73.5	73.6	75.4	75.4	75.4	75.4	75.4	75.5
GE 1200	68.7	69.2	71.0	71.8	73.0	73.3	73.7	73.9	74.1	74.2	76.4	76.4	76.6	76.6	76.6	76.7
GE 1000	69.0	70.0	71.8	72.6	73.8	74.1	74.5	74.7	74.9	75.0	77.1	77.1	77.1	77.2	77.2	77.2
GE 900	69.3	70.3	72.1	72.9	74.1	74.4	74.8	75.0	75.2	75.3	77.4	77.4	78.5	78.6	78.6	78.6
GE 800	69.4	70.4	72.2	73.0	74.2	74.5	74.9	75.1	75.3	75.4	77.5	77.5	79.8	79.8	79.8	79.9
GE 700	69.7	70.8	72.6	73.4	74.6	74.9	75.3	75.5	75.7	75.8	78.0	78.0	81.2	81.2	81.2	81.3
GE 600	70.0	71.1	72.9	73.7	74.9	75.2	75.6	75.8	76.0	76.1	78.3	78.3	83.7	83.7	83.7	83.8
GE 500	70.1	71.2	73.0	73.8	75.0	75.3	75.7	75.9	76.1	76.2	78.4	78.4	86.7	86.7	86.7	86.8
GE 400	70.1	71.2	73.0	73.8	75.0	75.3	75.7	75.9	76.1	76.2	78.4	78.4	89.9	90.0	90.2	90.3
GE 300	70.1	71.2	73.0	73.8	75.0	75.3	75.7	75.9	76.1	76.2	78.4	78.4	91.5	92.6	92.7	93.5
GE 200	70.1	71.2	73.0	73.8	75.0	75.3	75.7	75.9	76.1	76.2	78.4	78.4	92.3	93.8	93.9	95.9
GE 100	70.1	71.2	73.0	73.8	75.0	75.3	75.7	75.9	76.1	76.2	78.4	78.4	92.3	93.9	96.0	96.1
GE 0	70.1	71.2	73.0	73.8	75.0	75.3	75.7	75.9	76.1	76.2	78.4	78.4	92.3	93.9	96.0	96.1

TOTAL NUMBER OF OBSERVATIONS: 7440

[illegible] CLIMATOLOGY BRANCH [illegible] FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
[illegible] FROM HOURLY OBSERVATIONS
[illegible] WEATHER SERVICE/MAC

[illegible] STATION NUMBER: 7250 STATION NAME: [illegible] ASOS MA PERIOD OF RECORD: 77-96
MONTH: JUN HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	< 1/4	< 1/2	< 3/4	< 1	< 1 1/4	< 1 1/2	< 1 3/4	< 2	< 2 1/2	< 3	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	52.6	52.6	52.7	52.7	52.7	52.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	54.8	54.8	54.9	54.9	54.9	54.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	55.1	55.1	55.2	55.2	55.2	55.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	55.2	55.2	55.3	55.3	55.3	55.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	56.7	56.7	56.8	56.8	56.8	56.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57.1	57.1	57.1	57.2	57.2	57.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60.3	60.3	60.4	60.4	60.4	60.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60.4	60.4	60.6	60.6	60.6	60.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61.8	61.8	61.9	61.9	61.9	61.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	63.0	63.1	63.1	63.1	63.1	63.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	64.3	64.3	64.4	64.4	64.4	64.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67.0	67.0	67.1	67.1	67.1	67.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67.3	67.3	67.4	67.4	67.4	67.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	68.8	68.8	68.9	68.9	68.9	68.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	69.6	69.6	69.7	69.7	69.7	69.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.8	71.8	71.9	71.9	71.9	71.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72.2	72.2	72.3	72.3	72.3	72.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73.2	73.2	73.3	73.3	73.3	73.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73.4	73.4	73.6	73.6	73.6	73.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73.8	73.8	73.9	73.9	73.9	73.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75.1	75.1	75.2	75.2	75.2	75.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75.2	75.2	75.3	75.3	75.3	75.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75.3	75.3	75.4	75.4	75.4	75.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	76.4	76.4	76.6	76.6	76.6	76.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78.0	78.0	78.1	78.1	78.1	78.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	79.3	79.3	79.4	79.4	79.4	79.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	82.0	82.0	82.1	82.1	82.1	82.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84.2	84.2	84.3	84.3	84.3	84.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86.6	86.6	86.8	86.8	86.9	87.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	89.4	89.6	90.3	90.3	90.9	91.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91.9	91.0	92.9	93.1	95.7	97.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97.9	91.0	93.0	93.2	96.3	100.0

[illegible] TOTAL NUMBER OF OBSERVATIONS [illegible]

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: [illegible] STATION NAME: [illegible] MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	[illegible]	41.6	[illegible]	[illegible]	46.4	[illegible]	[illegible]	47.4	47.4	47.6	47.9	47.9	48.1	48.1	48.3	48.3
GE 20000	39.3	[illegible]	45.7	47.7	[illegible]	49.1	49.6	[illegible]	[illegible]	50.3	50.4	50.4	50.7	50.7	50.9	50.9
GE 18000	[illegible]	44.4	[illegible]	[illegible]	[illegible]	49.4	50.1	50.3	50.3	50.7	50.8	50.6	51.0	51.0	51.2	51.2
GE 16000	[illegible]	[illegible]	46.1	46.1	[illegible]	49.6	[illegible]	50.4	50.4	50.6	50.9	50.9	51.1	51.1	51.3	51.3
GE 14000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	51.2	[illegible]	52.2	52.2	52.7	52.8	52.6	53.0	53.0	53.2	53.2
GE 12000	[illegible]	46.9	[illegible]	[illegible]	[illegible]	52.4	53.3	53.6	53.6	54.1	54.2	54.2	54.4	54.4	54.7	54.7
GE 10000	41.9	48.9	[illegible]	[illegible]	[illegible]	54.6	55.7	[illegible]	[illegible]	56.7	56.8	56.6	57.0	57.0	57.2	57.2
GE 9000	41.9	48.9	[illegible]	[illegible]	[illegible]	[illegible]	55.9	56.2	56.2	56.9	57.0	[illegible]	57.2	57.2	57.4	57.4
GE 8000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58.2	58.6	58.6	59.2	59.3	59.3	59.7	59.7	60.0	60.0
GE 7000	[illegible]	51.1	53.4	56.1	[illegible]	[illegible]	[illegible]	59.7	59.7	60.3	60.4	60.4	60.8	60.8	61.1	61.1
GE 6000	44.7	52.2	[illegible]	57.4	[illegible]	59.9	60.9	61.2	61.2	[illegible]	62.1	62.1	62.4	62.4	62.8	62.6
GE 5000	[illegible]	[illegible]	[illegible]	58.9	[illegible]	61.6	62.4	62.9	[illegible]	63.7	63.6	63.6	64.1	64.1	64.4	64.4
GE 4500	[illegible]	53.6	[illegible]	[illegible]	[illegible]	61.7	62.7	63.1	63.1	63.9	64.0	64.0	64.3	64.3	64.7	64.7
GE 4000	46.9	54.7	[illegible]	[illegible]	[illegible]	[illegible]	64.2	64.7	64.7	65.4	65.6	65.6	65.9	65.9	66.2	66.2
GE 3500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	64.9	65.3	65.3	66.1	66.2	66.2	66.6	66.6	66.9	66.9
GE 3000	47.1	[illegible]	[illegible]	[illegible]	64.4	64.6	65.9	66.4	66.4	[illegible]	67.3	67.3	67.7	67.7	68.0	68.0
GE 2500	47.9	[illegible]	[illegible]	[illegible]	[illegible]	65.9	[illegible]	67.9	67.9	68.7	68.8	68.8	69.1	69.1	69.4	69.4
GE 2000	[illegible]	57.3	[illegible]	[illegible]	[illegible]	[illegible]	68.7	69.3	[illegible]	70.1	70.2	70.2	70.6	70.6	70.9	70.9
GE 1800	48.9	57.4	[illegible]	[illegible]	[illegible]	67.4	[illegible]	69.4	69.4	[illegible]	70.3	70.3	70.7	70.7	71.0	71.0
GE 1500	[illegible]	58.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70.4	70.4	[illegible]	71.3	71.3	71.7	71.7	72.0	72.0
GE 1200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	69.4	[illegible]	71.4	71.4	[illegible]	72.3	72.3	72.7	72.7	73.0	73.0
GE 1000	[illegible]	59.4	[illegible]	[illegible]	69.9	[illegible]	[illegible]	[illegible]	[illegible]	72.9	[illegible]	73.0	73.3	73.3	73.7	73.7
GE 900	[illegible]	59.4	63.7	[illegible]	[illegible]	70.3	[illegible]	72.4	72.4	[illegible]	73.3	73.3	73.7	73.7	74.0	74.0
GE 800	[illegible]	59.8	[illegible]	67.6	71.1	[illegible]	[illegible]	[illegible]	73.3	[illegible]	74.2	74.2	74.6	74.6	74.9	74.9
GE 700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.7	[illegible]	[illegible]	74.2	[illegible]	75.1	75.1	75.4	75.4	75.8	75.8
GE 600	[illegible]	[illegible]	64.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75.3	76.1	76.2	76.2	76.6	76.6	76.9	76.9
GE 500	[illegible]	[illegible]	[illegible]	69.1	[illegible]	[illegible]	74.4	[illegible]	76.1	79.1	79.2	[illegible]	79.6	79.6	79.9	79.9
GE 400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74.3	[illegible]	[illegible]	[illegible]	[illegible]	82.3	82.3	82.7	82.7	83.0	83.2
GE 300	[illegible]	[illegible]	[illegible]	69.4	[illegible]	74.7	[illegible]	[illegible]	[illegible]	[illegible]	84.2	84.2	84.7	84.7	85.0	85.3
GE 200	[illegible]	[illegible]	[illegible]	69.4	74.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	87.7	87.7	88.9	89.1	90.0	90.7
GE 100	[illegible]	[illegible]	[illegible]	69.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	87.3	89.3	89.3	91.9	92.3	95.2	97.0
GE 0	[illegible]	[illegible]	[illegible]	69.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	87.3	89.3	89.3	91.9	92.3	95.6	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725[illegible] STATION NAME: [illegible] AGS GA — PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	LT 1/4	1/4 - 1/2	LT 1/2	1/2 - 3/4	LT 3/4	3/4 - 1	LT 1	1 - 1 1/4	1 - 1 1/2	LT 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
No Ceil	34.4	47.1	47.	45.1	47.4	48.7	51.5	52.0	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4
[illegible]	[illegible]	49.4	51.	54.2	57.4	58.7	54.5	55.0	55.1	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6
[illegible]	[illegible]	49.4	51.	54.2	57.4	58.7	54.5	55.0	55.1	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6
[illegible]	10.5	49.4	51.	52.3	57.4	58.7	54.8	55.0	55.1	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6
[illegible]	10.	47.1	51.4	57.	58.1	58.4	58.7	56.9	57.0	57.1	57.3	57.6	57.6	57.6	57.6	57.6	57.6
[illegible]	12.	47.5	52.1	57.5	58.1	58.4	58.7	57.5	58.0	58.1	58.3	58.6	58.6	58.6	58.6	58.6	58.6
[illegible]	100	44.7	53.4	55.7	57.	57.4	58.0	59.5	60.1	60.2	60.4	60.7	60.7	60.7	60.7	60.7	60.7
[illegible]	90	44.4	54.1	57.	57.2	58.7	59.1	60.4	60.4	60.6	60.8	61.0	61.0	61.0	61.0	61.0	61.0
[illegible]	8	46.2	56.3	59.	59.4	61.4	62.1	63.0	63.0	63.2	63.4	64.2	64.2	64.2	64.2	64.2	64.2
[illegible]	70	46.7	57.1	59.	61.7	63.1	64.0	64.3	64.4	64.7	64.9	65.0	65.0	65.0	65.0	65.0	65.0
[illegible]	6	47.8	58.1	61.	63.7	65.4	65.7	65.8	65.9	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2
[illegible]	50	48.6	59.2	61.	63.1	64.5	65.4	66.7	67.0	67.1	67.3	67.7	67.7	67.7	67.7	67.7	67.7
[illegible]	40	48.9	59.6	61.7	63.6	64.9	65.7	67.2	67.6	67.7	67.9	68.2	68.2	68.2	68.2	68.2	68.2
[illegible]	4	49.7	60.6	62.6	64.	66.1	66.6	68.1	68.4	68.6	68.8	69.1	69.1	69.1	69.1	69.1	69.1
[illegible]	30	49.8	61.2	63.1	64.8	66.4	66.7	68.3	68.7	68.8	69.0	69.3	69.3	69.3	69.3	69.3	69.3
[illegible]	3.	49.7	61.6	63.	64.9	66.7	67.0	68.1	69.4	69.6	69.9	70.2	70.2	70.2	70.2	70.2	70.2
[illegible]	2	50.7	61.6	64.4	65.7	67.4	68.0	70.1	70.4	70.6	70.9	71.2	71.2	71.2	71.2	71.2	71.2
[illegible]	2	51.1	62.2	64.6	66.7	68.4	68.9	70.6	71.0	71.3	71.7	72.0	72.0	72.0	72.0	72.0	72.0
[illegible]	1	52.1	62.4	64.	66.1	67.9	68.5	71.0	71.3	71.4	71.6	72.1	72.1	72.1	72.1	72.1	72.1
[illegible]	1	52.4	63.1	65.2	67.0	68.8	69.3	71.7	72.0	72.4	72.6	72.9	73.2	73.2	73.2	73.2	73.2
[illegible]	1.	52.5	64.2	67.1	69.4	71.4	71.7	73.7	74.0	74.3	74.7	75.0	75.0	75.0	75.0	75.0	75.0
[illegible]	1	53.5	65.4	68.4	69.6	72.4	73.1	74.4	74.6	74.9	75.4	75.8	75.8	75.8	75.8	75.8	75.8
[illegible]	9	53.6	65.7	68.1	70.	72.8	73.6	74.6	75.1	75.2	75.7	76.0	76.0	76.0	76.0	76.0	76.0
[illegible]	6	53.6	66.	68.4	70.7	73.	73.8	75.2	75.6	75.9	76.3	76.7	76.7	76.7	76.7	76.7	76.7
[illegible]	5	53.8	66.8	69.1	71.4	73.4	74.1	76.7	77.3	77.4	77.9	78.2	78.2	78.2	78.2	78.2	78.2
[illegible]	4	53.9	67.	71.	73.	74.8	75.4	77.4	78.0	78.1	78.4	80.0	80.0	80.0	80.0	80.0	80.0
[illegible]	3	54.2	67.6	71.6	73.1	75.1	77.4	78.4	81.1	82.7	83.6	83.9	83.9	83.9	83.9	83.9	83.9
[illegible]	2	54.2	67.6	71.7	73.6	77.1	78.4	81.2	84.2	85.1	86.2	86.7	86.7	86.7	86.7	86.7	86.7
[illegible]	1	54.2	67.6	71.7	73.7	77.1	78.6	81.7	84.6	87.4	89.1	90.4	90.4	90.6	90.6	90.6	90.6
	0	54.2	67.7	71.7	73.8	77.2	78.6	81.7	84.7	87.7	89.7	91.6	93.9	94.9	94.9	95.4	95.6
	1+	54.2	67.7	71.7	73.8	77.2	78.6	81.7	84.7	87.7	89.7	91.6	94.3	94.3	96.1	96.4	98.6	99.0
		54.2	67.7	71.7	73.8	77.2	78.6	81.7	84.7	87.7	89.7	91.8	94.3	94.3	96.1	96.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

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

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible]

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 0900-1100

CEILING IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60.2	60.2	60.2	60.2	60.2	60.2	60.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	66.2	66.2	66.2	66.2	66.2	66.2	66.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	74.8	74.8	74.8	74.8	74.8	74.8	74.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	79.9	79.9	79.9	79.9	79.9	79.9	79.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84.6	84.6	84.6	84.6	84.6	84.6	84.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86.1	86.1	86.1	86.1	86.1	86.1	86.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88.0	88.0	88.0	88.0	88.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	89.9	90.3	90.4	90.4	90.4	90.4	90.4	90.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	93.6	94.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	95.7	96.4	97.5	98.2	98.2	98.3	98.3	98.3	98.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	96.7	98.6	99.2	99.2	99.4	99.4	99.7	99.7
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	96.7	98.6	99.2	99.2	99.7	99.7	99.9	99.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	96.7	98.6	99.2	99.2	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS AFGB MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 7	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
N CEIL	42.9	46.9	51.[illegible]	52.6	[illegible]	[illegible]	57.[illegible]	[illegible]	[illegible]	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 20000	45.4	52.9	54.6	55.4	56.7	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 18000	45.6	53.0	54.7	56.[illegible]	56.[illegible]	57.[illegible]	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 16000	45.6	53.2	54.9	56.[illegible]	57.[illegible]	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
GE 14000	46.7	54.3	56.[illegible]	57.4	58.[illegible]	[illegible]	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 12000	47.2	55.[illegible]	56.7	58.3	59.[illegible]	59.6	59.9	60.[illegible]	60.[illegible]	60.6	60.0	60.0	60.0	60.0	60.0	60.0
GE 10000	49.4	57.7	59.3	61.2	62.[illegible]	62.[illegible]	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 9000	49.6	57.8	59.[illegible]	61.4	62.4	62.4	63.[illegible]	63.[illegible]	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 8000	51.1	60.4	62.[illegible]	64.9	65.5	66.3	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 7000	51.2	60.6	62.9	65.[illegible]	66.2	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 6000	51.4	61.1	63.[illegible]	65.7	66.5	67.2	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 5000	52.6	62.6	64.[illegible]	67.3	68.4	68.9	69.[illegible]	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 4500	52.9	63.[illegible]	65.[illegible]	67.8	68.9	69.3	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 4000	54.6	65.[illegible]	68.[illegible]	70.6	71.7	72.1	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 3500	55.[illegible]	65.9	69.[illegible]	71.3	72.[illegible]	73.[illegible]	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 3000	57.4	68.[illegible]	71.1	73.8	75.[illegible]	75.4	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 2500	57.9	69.[illegible]	71.9	74.7	75.9	76.3	76.6	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 2000	58.4	70.7	73.[illegible]	76.8	78.[illegible]	78.4	79.0	79.[illegible]	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 1800	58.9	73.9	73.[illegible]	77.[illegible]	79.2	79.[illegible]	79.[illegible]	79.4	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 1500	59.[illegible]	71.6	74.9	78.6	79.8	80.3	80.9	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 1200	61.9	74.2	77.[illegible]	81.3	82.[illegible]	83.3	84.1	84.3	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 1000	61.7	75.7	79.1	83.3	85.[illegible]	86.[illegible]	86.9	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 900	61.9	75.9	79.4	83.7	86.[illegible]	86.7	87.7	88.1	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 800	61.9	76.1	79.[illegible]	84.2	87.1	87.6	88.9	89.6	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 700	61.9	76.2	80.[illegible]	84.4	87.4	88.3	89.6	90.4	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 600	61.9	76.2	80.1	84.6	88.[illegible]	88.9	90.[illegible]	91.3	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8
GE 500	61.9	76.4	80.6	85.3	88.9	89.8	91.7	93.1	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 400	61.9	76.4	80.6	85.4	89.4	90.6	92.1	95.1	95.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 300	61.9	76.4	80.[illegible]	85.6	90.[illegible]	91.6	94.1	96.7	97.2	98.6	99.0	99.1	99.2	99.2	99.2	99.2
GE 200	61.9	76.4	80.[illegible]	85.7	90.4	91.6	94.3	97.0	97.6	99.1	99.3	99.4	99.7	99.7	99.7	99.7
GE 100	61.9	76.4	80.[illegible]	85.7	90.4	91.6	94.3	97.1	97.7	99.[illegible]	99.4	99.6	99.8	99.8	99.9	99.9
GE [illegible]	61.9	76.4	80.[illegible]	85.7	90.4	91.6	94.3	97.1	97.7	99.2	99.4	99.6	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	39.4	47.7	48.3	50.1	50.9	51.4	51.8	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
GE 20000	43.7	52.6	53.4	55.3	56.2	56.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 18000	43.8	52.9	53.8	55.7	56.6	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 16000	43.8	52.9	53.8	55.7	56.6	57.1	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 14000	46.0	55.2	56.1	58.0	59.1	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 12000	47.0	56.8	57.8	59.8	60.9	61.6	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 10000	48.8	58.9	60.1	62.2	63.3	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 9000	48.9	59.1	60.4	62.6	63.7	64.4	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 8000	51.8	62.6	64.1	66.4	67.7	68.4	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 7000	52.1	62.9	64.4	66.8	68.0	68.8	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 6000	52.2	63.2	64.8	67.1	68.3	69.1	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 5000	54.1	65.3	67.0	69.7	70.9	71.7	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 4500	54.8	66.4	68.1	70.8	72.0	72.8	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 4000	55.9	67.6	69.4	72.1	73.4	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 3500	56.3	68.2	69.9	72.7	74.0	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 3000	57.8	69.7	71.5	74.2	75.8	76.6	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 2500	58.1	70.3	72.0	74.9	76.7	77.4	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 2000	59.0	71.9	73.7	76.6	78.8	79.6	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 1800	59.0	71.9	73.8	76.9	78.9	79.7	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 1500	59.7	72.9	74.8	78.3	80.4	81.2	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 1200	60.6	74.3	76.6	80.3	82.8	83.6	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 1000	61.2	75.6	77.8	81.8	84.2	85.1	85.9	86.0	86.0	86.1	86.1	86.1	86.2	86.2	86.2	86.2
GE 900	61.3	75.8	78.0	82.1	84.8	85.7	86.4	86.8	86.8	86.9	86.9	86.9	87.1	87.1	87.1	87.1
GE 800	61.4	76.6	78.9	83.0	86.0	86.9	87.8	88.2	88.2	88.3	88.3	88.3	88.6	88.6	88.6	88.6
GE 700	61.6	76.8	79.2	83.6	86.9	87.8	88.9	89.4	89.4	89.8	89.8	89.8	90.0	90.0	90.0	90.0
GE 600	61.6	77.0	79.7	84.3	87.7	88.6	90.0	90.6	90.7	91.0	91.0	91.0	91.2	91.2	91.2	91.2
GE 500	61.6	77.1	79.9	84.9	88.4	89.3	91.4	92.2	92.6	93.4	93.8	93.8	94.0	94.0	94.0	94.0
GE 400	61.6	77.3	80.3	85.6	89.3	90.2	92.4	93.6	94.0	95.3	95.7	95.7	95.9	95.9	95.9	95.9
GE 300	61.6	77.3	80.4	85.7	90.0	91.2	93.8	95.4	96.0	97.7	98.0	98.0	98.2	98.2	98.2	98.2
GE 200	61.6	77.3	80.6	85.8	90.3	91.6	94.2	95.9	96.4	98.3	98.9	98.9	99.7	99.8	99.8	99.8
GE 100	61.6	77.3	80.6	85.8	90.3	91.6	94.2	95.9	96.4	98.4	99.0	99.0	99.9	100.0	100.0	100.0
GE 0	61.6	77.3	80.6	85.8	90.3	91.6	94.2	95.9	96.4	98.4	99.0	99.0	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 960

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	39.0	45.0	46.3	47.6	48.6	49.4	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 20000	41.9	48.9	50.3	51.7	53.3	54.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 18000	42.0	49.3	50.8	52.1	53.8	54.4	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 16000	42.0	49.3	50.8	52.1	53.8	54.4	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 14000	43.4	51.3	52.8	54.3	56.2	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 12000	44.2	52.8	54.4	56.1	58.1	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 10000	47.1	55.9	57.9	59.7	62.0	62.8	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 9000	47.3	56.1	58.2	60.0	62.3	63.2	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 8000	49.9	58.9	61.3	63.2	65.6	66.4	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 7000	50.9	60.0	62.4	64.3	66.7	67.6	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 6000	51.6	60.7	63.2	65.2	67.8	68.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 5000	52.8	62.4	65.0	67.0	69.8	70.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 4500	53.3	63.3	66.0	68.0	70.8	71.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 4000	53.9	64.1	67.1	69.2	72.1	73.1	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 3500	54.2	64.4	67.6	69.7	72.6	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 3000	54.4	64.9	68.0	70.2	73.2	74.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 2500	54.9	65.6	68.7	70.9	74.0	75.0	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 2000	55.2	66.3	69.7	71.9	75.1	76.1	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 1800	55.2	66.3	69.7	71.9	75.1	76.1	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 1500	55.6	67.1	70.4	72.8	76.0	77.0	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 1200	55.9	67.4	70.8	73.1	76.3	77.3	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.3
GE 1000	56.1	68.0	71.3	73.7	76.9	78.0	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1
GE 900	56.1	68.2	71.6	73.9	77.3	78.4	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.6
GE 800	56.4	69.1	72.6	74.9	78.3	79.4	81.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0
GE 700	56.8	69.8	73.3	75.9	79.3	80.6	83.1	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8
GE 600	56.9	70.6	74.3	77.2	80.8	82.0	85.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.2
GE 500	57.3	71.2	75.3	78.4	82.3	83.6	87.1	88.6	88.6	89.0	89.1	89.1	89.1	89.1	89.1	89.2
GE 400	57.3	71.2	75.8	79.2	83.3	84.7	88.3	90.0	90.1	90.9	91.3	91.3	91.3	91.3	91.3	91.4
GE 300	57.3	71.4	76.1	80.1	85.1	86.7	90.4	92.2	92.4	93.7	94.3	94.3	94.6	94.6	94.6	94.7
GE 200	57.3	71.4	76.1	80.2	85.3	87.0	91.2	93.3	93.6	95.2	95.9	95.9	96.6	96.6	96.9	97.0
GE 100	57.3	71.4	76.1	80.2	85.3	87.0	91.2	93.3	93.6	95.6	96.7	96.7	97.8	98.1	99.0	99.4
GE 0	57.3	71.4	76.1	80.2	85.3	87.0	91.2	93.3	93.6	95.8	96.8	96.8	98.0	98.3	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	42.0	48.3	50.9	52.3	54.1	54.2	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 20000	42.9	49.6	52.1	53.9	55.7	55.8	56.1	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 18000	42.9	49.6	52.4	54.2	56.0	56.1	56.4	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 16000	42.9	49.8	52.4	54.3	56.1	56.2	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 14000	43.7	50.6	53.4	55.6	57.3	57.4	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 12000	44.3	51.2	54.1	56.2	58.0	58.3	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 10000	45.8	53.0	55.9	58.2	60.1	60.4	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 9000	46.1	53.3	56.2	58.7	60.6	60.9	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 8000	47.7	55.2	58.1	60.6	62.7	63.0	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 7000	48.6	56.1	59.0	61.4	63.6	63.9	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 6000	50.1	58.1	61.2	63.9	66.4	66.8	67.4	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 5000	52.0	60.9	64.0	66.8	69.6	70.1	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 4500	52.7	61.6	64.6	67.6	70.6	70.9	71.6	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 4000	52.9	62.8	66.1	68.9	71.9	72.2	72.9	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 3500	53.0	62.9	66.2	69.0	72.0	72.3	73.0	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 3000	53.8	63.7	67.0	69.8	72.9	73.2	73.9	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 2500	53.8	63.8	67.4	70.2	73.3	73.7	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 2000	53.9	63.9	67.7	70.6	73.8	74.2	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 1800	54.0	64.1	67.9	70.8	74.0	74.4	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 1500	55.0	65.6	69.3	72.2	75.4	75.9	76.6	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 1200	55.1	65.8	69.6	72.4	75.9	76.3	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4
GE 1000	55.7	66.6	70.3	73.2	76.9	77.3	78.0	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.4
GE 900	55.8	66.7	70.6	73.4	77.1	77.6	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8
GE 800	55.8	67.0	70.9	73.9	77.6	78.0	78.8	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.3
GE 700	55.9	67.3	71.3	74.4	78.3	78.8	79.7	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.2
GE 600	55.9	67.4	71.6	74.7	78.5	79.6	80.6	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.4
GE 500	56.3	67.9	72.1	75.6	80.6	81.3	82.7	83.2	83.4	83.4	83.7	83.7	83.7	83.7	83.7	83.9
GE 400	56.6	68.6	73.3	77.3	82.6	83.4	84.9	85.7	85.9	86.6	86.8	86.8	86.8	86.8	86.8	87.1
GE 300	56.6	68.9	74.1	78.4	83.9	84.9	86.7	88.0	88.2	89.1	89.3	89.3	89.3	89.3	89.4	89.8
GE 200	56.6	68.9	74.1	78.7	85.1	86.3	88.7	90.4	90.8	92.0	92.9	92.9	93.1	93.1	93.6	94.0
GE 100	56.6	68.9	74.1	78.7	85.1	86.4	88.8	90.8	91.2	93.0	94.4	94.4	95.7	95.9	97.2	98.6
GE 0	56.6	68.9	74.1	78.7	85.1	86.4	88.8	90.8	91.2	93.0	94.4	94.4	95.9	96.1	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUN HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	40.6	47.1	48.6	50.0	51.3	51.6	52.0	52.2	52.2	52.3	52.3	52.3	52.3	52.3	52.4	52.4
GE 20000	42.9	49.9	51.5	53.0	54.4	54.8	55.3	55.4	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6
GE 18000	43.0	50.1	51.7	53.3	54.6	55.0	55.5	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.9	55.9
GE 16000	43.1	50.2	51.8	53.4	54.7	55.1	55.6	55.7	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9
GE 14000	44.2	51.6	53.3	55.0	56.4	56.8	57.3	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7
GE 12000	44.9	52.5	54.3	56.0	57.5	58.0	58.5	58.6	58.6	58.8	58.8	58.8	58.9	58.9	58.9	58.9
GE 10000	46.8	54.7	56.5	58.4	60.1	60.5	61.1	61.2	61.3	61.4	61.4	61.4	61.5	61.5	61.5	61.5
GE 9000	46.9	54.8	56.8	58.7	60.3	60.8	61.4	61.5	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8
GE 8000	48.7	57.1	59.3	61.4	63.2	63.6	64.3	64.4	64.4	64.6	64.6	64.6	64.7	64.7	64.7	64.7
GE 7000	49.3	57.8	60.1	62.2	63.9	64.4	65.0	65.2	65.2	65.3	65.4	65.4	65.5	65.5	65.5	65.5
GE 6000	50.0	58.7	61.0	63.2	65.1	65.6	66.3	66.4	66.4	66.6	66.7	66.7	66.7	66.7	66.8	66.8
GE 5000	51.3	60.4	62.8	65.1	67.2	67.6	68.4	68.5	68.5	68.7	68.8	68.8	68.8	68.8	68.9	68.9
GE 4500	51.7	60.9	63.3	65.7	67.8	68.2	69.0	69.1	69.1	69.3	69.4	69.4	69.4	69.4	69.5	69.5
GE 4000	52.6	62.3	64.8	67.2	69.3	69.8	70.6	70.8	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.1
GE 3500	52.9	62.6	65.2	67.7	69.8	70.3	71.1	71.3	71.3	71.4	71.5	71.5	71.6	71.6	71.6	71.6
GE 3000	53.8	63.7	66.4	68.9	71.1	71.6	72.5	72.7	72.7	72.9	73.0	73.0	73.1	73.1	73.1	73.1
GE 2500	54.3	64.4	67.3	69.8	72.1	72.6	73.5	73.7	73.7	73.9	74.0	74.0	74.1	74.1	74.1	74.1
GE 2000	54.8	65.3	68.3	70.9	73.3	73.9	74.9	75.1	75.1	75.3	75.4	75.4	75.4	75.4	75.5	75.5
GE 1800	54.9	65.5	68.4	71.1	73.5	74.0	75.0	75.2	75.2	75.4	75.5	75.5	75.6	75.6	75.6	75.6
GE 1500	55.4	66.3	69.4	72.1	74.6	75.1	76.2	76.4	76.4	76.6	76.7	76.7	76.8	76.8	76.8	76.8
GE 1200	56.3	67.7	70.8	73.6	76.3	76.8	77.9	78.2	78.2	78.4	78.5	78.5	78.5	78.5	78.6	78.6
GE 1000	56.7	68.4	71.6	74.5	77.3	77.9	79.0	79.4	79.4	79.6	79.7	79.7	79.7	79.7	79.8	79.8
GE 900	56.8	68.6	71.8	74.8	77.7	78.3	79.5	79.9	80.0	80.2	80.2	80.2	80.3	80.3	80.4	80.4
GE 800	56.9	69.1	72.4	75.6	78.7	79.3	80.6	81.1	81.1	81.3	81.4	81.4	81.5	81.5	81.5	81.6
GE 700	57.0	69.5	73.0	76.3	79.5	80.2	81.8	82.3	82.4	82.6	82.7	82.7	82.8	82.8	82.8	82.9
GE 600	57.1	69.8	73.4	76.9	80.4	81.2	83.0	83.6	83.9	84.1	84.2	84.2	84.3	84.3	84.3	84.4
GE 500	57.2	70.1	74.1	77.8	81.7	82.6	84.9	86.1	86.3	86.9	87.0	87.0	87.1	87.1	87.1	87.2
GE 400	57.2	70.3	74.4	78.4	82.8	83.8	86.7	88.3	88.6	89.6	89.9	89.9	90.0	90.0	90.0	90.1
GE 300	57.2	70.3	74.6	78.8	83.6	84.8	88.0	90.2	90.6	92.0	92.5	92.5	92.7	92.7	92.8	92.9
GE 200	57.2	70.4	74.6	78.9	84.0	85.3	88.8	91.4	91.9	93.7	94.7	94.7	95.3	95.4	95.7	95.9
GE 100	57.2	70.4	74.6	78.9	84.1	85.3	88.9	91.5	92.0	94.2	95.4	95.4	96.7	96.9	98.2	98.9
GE 0	57.2	70.4	74.6	78.9	84.1	85.3	88.9	91.5	92.0	94.2	95.4	95.5	96.8	97.0	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	34.5	40.3	43.4	46.0	49.6	50.3	51.4	52.2	52.2	52.3	52.4	52.4	52.4	52.4	52.5	52.5
GE 20000	35.3	41.4	44.6	47.6	51.2	51.9	53.3	54.1	54.1	54.2	54.3	54.3	54.3	54.3	54.4	54.4
GE 18000	35.8	42.0	45.8	48.6	52.2	52.9	54.3	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.4	55.4
GE 16000	35.8	42.0	45.8	48.6	52.2	52.9	54.3	55.1	55.1	55.2	55.3	55.3	55.3	55.3	55.4	55.4
GE 14000	38.2	44.7	48.5	51.3	55.2	55.9	57.3	58.1	58.1	58.2	58.3	58.3	58.3	58.3	58.4	58.4
GE 12000	39.4	46.2	50.0	52.9	56.8	57.5	58.9	59.7	59.7	59.8	59.9	59.9	59.9	59.9	60.0	60.0
GE 10000	40.8	48.4	52.5	55.4	59.2	60.0	61.4	62.2	62.2	62.3	62.4	62.4	62.4	62.4	62.5	62.5
GE 9000	41.2	48.8	52.9	55.8	59.7	60.4	61.8	62.6	62.6	62.7	62.8	62.8	62.8	62.8	62.9	62.9
GE 8000	42.9	50.5	54.6	57.8	61.8	62.8	64.2	64.9	64.9	65.1	65.2	65.2	65.2	65.2	65.3	65.3
GE 7000	42.9	50.5	54.6	57.8	61.8	62.8	64.2	64.9	64.9	65.1	65.2	65.2	65.2	65.2	65.3	65.3
GE 6000	43.9	51.7	55.8	59.0	63.0	64.0	65.4	66.1	66.1	66.2	66.3	66.3	66.3	66.3	66.5	66.5
GE 5000	44.7	53.0	57.4	60.8	64.7	65.7	67.1	67.8	67.8	68.0	68.1	68.1	68.1	68.1	68.2	68.2
GE 4500	44.8	53.1	57.5	60.9	64.8	65.8	67.2	68.0	68.0	68.1	68.2	68.2	68.2	68.2	68.3	68.3
GE 4000	45.3	53.5	58.3	61.6	65.7	66.7	68.1	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.1	69.1
GE 3500	45.4	53.7	58.4	61.7	65.8	66.8	68.3	69.0	69.0	69.1	69.2	69.2	69.2	69.2	69.4	69.4
GE 3000	45.9	54.4	59.4	62.7	66.9	67.8	69.6	70.3	70.3	70.4	70.5	70.5	70.5	70.5	70.6	70.6
GE 2500	46.2	54.7	59.7	63.0	67.3	68.3	70.0	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.1	71.1
GE 2000	46.5	55.1	60.1	63.7	68.0	68.9	70.6	71.4	71.4	71.5	71.6	71.6	71.6	71.6	71.7	71.7
GE 1800	46.5	55.1	60.1	63.7	68.0	68.9	70.6	71.4	71.4	71.5	71.6	71.6	71.6	71.6	71.7	71.7
GE 1500	46.5	55.1	60.1	63.7	68.0	68.9	70.6	71.4	71.4	71.5	71.6	71.6	71.6	71.6	71.7	71.7
GE 1200	47.0	55.9	61.0	64.5	68.8	69.8	71.6	72.4	72.4	72.5	72.6	72.6	72.6	72.6	72.7	72.7
GE 1000	47.5	56.9	61.9	65.6	70.1	71.1	72.9	73.7	73.7	73.8	73.9	73.9	73.9	73.9	74.0	74.0
GE 900	47.5	57.0	62.3	66.1	70.4	71.4	73.2	74.0	74.0	74.1	74.2	74.2	74.2	74.2	74.3	74.3
GE 800	47.7	57.7	63.1	67.0	71.8	72.8	74.7	75.5	75.5	75.6	75.7	75.7	75.7	75.7	75.8	75.8
GE 700	47.8	58.4	64.0	68.0	73.0	74.0	76.2	77.0	77.0	77.1	77.2	77.2	77.2	77.2	77.3	77.3
GE 600	47.8	58.4	64.2	68.6	74.7	75.8	78.4	79.1	79.1	79.2	79.4	79.4	79.4	79.4	79.5	79.5
GE 500	48.2	58.8	65.1	70.0	77.6	78.7	82.0	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.1	83.1
GE 400	48.3	59.2	65.5	70.8	78.8	80.3	84.0	84.7	84.7	84.9	85.1	85.1	85.2	85.2	85.3	85.3
GE 300	48.3	59.2	65.7	71.2	79.8	81.3	85.4	86.7	86.8	87.3	87.4	87.4	87.5	87.5	87.6	87.7
GE 200	48.3	59.2	65.7	71.2	80.0	81.7	85.8	88.0	88.1	89.4	89.8	89.8	91.2	91.6	91.9	92.2
GE 100	48.3	59.2	65.7	71.3	80.1	81.8	86.1	88.9	89.0	91.0	91.8	91.8	94.2	94.6	96.7	97.2
GE 0	48.3	59.2	65.7	71.3	80.1	81.8	86.1	88.9	89.0	91.0	91.8	91.8	94.2	94.6	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.7	36.1	39.6	41.4	43.9	44.6	46.7	47.3	47.3	47.5	47.8	47.8	48.0	48.0	48.0	48.1
GE 20000	29.6	37.5	41.0	43.3	45.9	46.9	48.8	49.6	49.6	49.8	50.1	50.1	50.2	50.2	50.2	50.3
GE 18000	29.6	37.6	41.1	43.4	46.0	47.0	48.9	49.7	49.7	49.9	50.2	50.2	50.3	50.3	50.3	50.4
GE 16000	29.6	37.6	41.1	43.4	46.0	47.0	48.9	49.7	49.7	49.9	50.2	50.2	50.3	50.3	50.3	50.4
GE 14000	30.6	39.7	43.4	45.9	48.7	49.9	52.2	52.9	52.9	53.1	53.4	53.4	53.5	53.5	53.5	53.7
GE 12000	31.4	40.4	44.3	46.9	49.7	50.9	53.1	54.0	54.0	54.2	54.5	54.5	54.6	54.6	54.6	54.7
GE 10000	34.5	44.5	48.4	51.1	54.2	55.4	57.7	58.7	58.7	58.9	59.2	59.2	59.4	59.4	59.4	59.5
GE 9000	34.8	44.8	48.7	51.4	54.5	55.7	58.1	59.0	59.0	59.2	59.6	59.6	59.7	59.7	59.7	59.8
GE 8000	36.7	47.1	51.0	54.0	57.5	58.8	61.4	62.5	62.5	62.7	63.0	63.0	63.1	63.1	63.1	63.2
GE 7000	36.9	47.4	51.3	54.3	58.0	59.2	61.8	62.9	62.9	63.1	63.4	63.4	63.5	63.5	63.5	63.7
GE 6000	37.1	48.0	51.8	54.8	58.5	59.8	62.4	63.4	63.4	63.7	64.0	64.0	64.1	64.1	64.1	64.2
GE 5000	38.2	49.2	53.2	56.2	60.0	61.3	63.9	64.9	64.9	65.2	65.5	65.5	65.6	65.6	65.6	65.7
GE 4500	38.5	49.6	53.5	56.6	60.4	61.7	64.3	65.4	65.4	65.6	65.9	65.9	66.0	66.0	66.0	66.1
GE 4000	38.7	50.1	54.2	57.2	61.2	62.5	65.1	66.1	66.1	66.3	66.7	66.7	66.8	66.8	66.8	66.9
GE 3500	38.8	50.2	54.3	57.3	61.3	62.6	65.2	66.2	66.2	66.5	66.8	66.8	66.9	66.9	66.9	67.0
GE 3000	39.8	51.2	55.5	58.5	62.5	64.1	66.8	67.8	67.8	68.2	68.5	68.5	68.6	68.6	68.6	68.7
GE 2500	40.1	51.5	55.8	58.8	62.8	64.4	67.1	68.2	68.2	68.5	68.8	68.8	68.9	68.9	68.9	69.0
GE 2000	40.1	51.6	56.1	59.4	63.7	65.4	68.1	69.1	69.1	69.6	69.9	69.9	70.0	70.0	70.0	70.1
GE 1800	40.1	51.6	56.1	59.4	63.7	65.4	68.1	69.1	69.1	69.6	69.9	69.9	70.0	70.0	70.0	70.1
GE 1500	40.4	52.2	56.9	60.1	64.5	66.2	68.9	70.0	70.0	70.4	70.8	70.8	70.9	70.9	70.9	71.0
GE 1200	40.5	52.5	57.3	60.5	65.4	67.1	69.9	71.0	71.0	71.4	71.7	71.7	71.8	71.8	71.8	71.9
GE 1000	40.6	52.9	57.7	61.0	66.0	67.7	70.5	71.6	71.6	72.0	72.4	72.4	72.5	72.5	72.5	72.6
GE 900	40.8	53.3	58.5	61.7	67.0	68.8	71.7	72.8	72.8	73.2	73.7	73.7	73.8	73.8	73.8	73.9
GE 800	41.0	54.4	59.6	62.9	68.4	70.2	73.2	74.3	74.3	74.7	75.2	75.2	75.3	75.3	75.3	75.4
GE 700	41.2	54.8	60.2	64.1	69.6	71.4	74.5	75.6	75.6	76.0	76.5	76.5	76.6	76.6	76.6	76.7
GE 600	41.3	55.3	60.8	64.7	70.6	72.5	75.7	77.0	77.0	77.4	77.8	77.8	78.0	78.0	78.0	78.1
GE 500	41.3	56.0	61.9	66.6	73.2	75.1	79.0	80.4	80.4	80.9	81.3	81.3	81.4	81.4	81.4	81.5
GE 400	41.3	56.1	62.0	67.0	74.1	76.0	80.4	81.9	81.9	82.6	83.2	83.2	83.3	83.3	83.3	83.4
GE 300	41.3	56.1	62.4	67.8	75.7	77.6	83.2	85.4	85.4	86.6	87.5	87.5	87.7	87.7	88.0	88.1
GE 200	41.3	56.2	62.5	68.0	75.9	78.0	84.1	86.7	86.7	88.5	90.2	90.3	91.5	91.5	91.9	92.2
GE 100	41.3	56.3	62.6	68.1	76.0	78.1	84.3	87.3	87.3	89.4	91.6	91.7	93.7	93.7	95.5	96.7
GE 0	41.3	56.3	62.6	68.1	76.0	78.1	84.3	87.3	87.3	89.4	91.6	91.7	93.7	93.7	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	31.5	39.5	42.2	43.5	46.0	47.1	48.3	48.4	48.6	48.7	48.8	48.8	48.8	48.8	48.9	48.9
GE 20000	34.3	43.1	46.1	47.6	50.2	51.3	52.6	52.8	53.0	53.1	53.2	53.2	53.2	53.2	53.3	53.3
GE 18000	34.4	43.2	46.3	47.8	50.4	51.6	52.9	53.1	53.3	53.4	53.5	53.5	53.5	53.5	53.7	53.7
GE 16000	34.4	43.2	46.3	47.8	50.4	51.6	52.9	53.1	53.3	53.4	53.5	53.5	53.5	53.5	53.7	53.7
GE 14000	35.4	45.4	48.6	50.2	52.8	54.2	55.6	56.1	56.3	56.5	56.6	56.6	56.6	56.6	56.7	56.7
GE 12000	36.1	46.2	49.6	51.2	54.0	55.4	56.9	57.4	57.6	57.7	57.8	57.8	57.8	57.8	58.0	58.0
GE 10000	37.7	49.0	52.8	54.7	57.5	59.1	60.6	61.3	61.5	61.7	61.8	61.8	61.8	61.8	61.9	61.9
GE 9000	37.7	49.0	52.8	54.7	57.5	59.1	60.6	61.3	61.5	61.7	61.8	61.8	61.8	61.8	61.9	61.9
GE 8000	40.8	53.0	56.9	58.8	61.9	63.5	65.2	65.9	66.1	66.3	66.5	66.5	66.5	66.5	66.6	66.6
GE 7000	41.6	54.3	58.2	60.1	63.2	64.8	66.5	67.2	67.4	67.6	67.7	67.7	67.7	67.7	67.8	67.8
GE 6000	42.0	55.1	59.0	61.0	64.4	66.1	67.7	68.5	68.7	68.9	69.0	69.0	69.0	69.0	69.1	69.1
GE 5000	43.1	56.1	60.2	62.2	65.6	67.3	68.9	69.7	69.9	70.1	70.2	70.2	70.2	70.2	70.3	70.3
GE 4500	43.2	56.2	60.3	62.3	65.7	67.4	69.0	69.8	70.0	70.2	70.3	70.3	70.3	70.3	70.4	70.4
GE 4000	43.3	56.6	60.6	62.6	66.0	67.7	69.4	70.1	70.3	70.5	70.6	70.6	70.6	70.6	70.8	70.8
GE 3500	43.3	56.6	60.6	62.6	66.2	68.0	69.6	70.3	70.5	70.8	70.9	70.9	70.9	70.9	71.0	71.0
GE 3000	43.9	57.3	61.4	63.7	67.3	69.0	70.8	71.5	71.7	71.9	72.0	72.0	72.0	72.0	72.2	72.2
GE 2500	43.9	57.4	61.5	63.8	67.4	69.2	71.1	71.8	72.0	72.4	72.5	72.5	72.5	72.5	72.6	72.6
GE 2000	44.5	58.2	62.3	64.6	68.3	70.2	72.2	72.9	73.1	73.4	73.5	73.5	73.5	73.5	73.7	73.7
GE 1800	44.5	58.2	62.3	64.6	68.3	70.2	72.2	72.9	73.1	73.4	73.5	73.5	73.5	73.5	73.7	73.7
GE 1500	44.7	58.7	62.9	65.3	69.0	71.0	72.9	73.8	74.0	74.3	74.4	74.4	74.4	74.4	74.5	74.5
GE 1200	45.2	59.4	63.8	66.1	69.9	71.8	73.8	74.6	74.8	75.3	75.4	75.4	75.4	75.4	75.5	75.5
GE 1000	45.4	60.3	64.6	67.3	71.3	73.3	75.3	76.2	76.5	76.9	77.0	77.0	77.0	77.0	77.1	77.1
GE 900	45.6	60.6	65.2	67.8	72.0	74.2	76.1	77.1	77.3	77.7	77.8	77.8	77.8	77.8	78.0	78.0
GE 800	45.7	61.3	65.9	68.6	72.8	74.9	76.9	77.8	78.1	78.5	78.6	78.6	78.6	78.6	78.7	78.7
GE 700	45.9	61.7	66.5	69.1	74.2	76.8	78.7	79.7	79.9	80.3	80.4	80.4	80.4	80.4	80.5	80.5
GE 600	45.9	62.2	67.1	69.9	75.8	78.8	81.1	82.5	82.7	83.2	83.4	83.4	83.4	83.4	83.5	83.5
GE 500	46.1	62.7	68.0	71.2	77.2	80.5	83.4	85.3	85.5	86.0	86.2	86.2	86.2	86.2	86.3	86.3
GE 400	46.1	63.1	68.6	72.4	78.8	82.3	86.3	88.8	89.1	90.1	90.5	90.5	90.5	90.5	90.6	90.6
GE 300	46.1	63.3	69.1	72.6	79.6	83.3	88.3	91.2	91.6	93.2	94.1	94.1	94.2	94.2	94.3	94.3
GE 200	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.7	92.4	94.5	95.8	95.8	96.0	96.2	96.6	96.7
GE 100	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	96.9	97.1	98.4	99.1
GE 0	46.1	63.3	69.1	72.6	79.7	83.4	88.6	91.9	92.6	94.9	96.2	96.2	97.0	97.2	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	39.8	48.3	50.[illegible]	52.3	54.7	55.6	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 20000	44.1	53.9	56.[illegible]	57.8	60.5	61.4	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 18000	44.7	54.6	57.1	58.0	61.[illegible]	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 16000	44.7	54.6	57.1	58.0	61.[illegible]	62.2	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 14000	45.4	56.0	59.[illegible]	60.0	63.4	64.3	64.4	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 12000	46.3	57.7	60.[illegible]	61.7	64.4	65.3	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 10000	48.7	60.[illegible]	62.9	64.4	67.1	68.0	68.1	68.1	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 9000	49.3	60.3	63.[illegible]	64.5	67.2	68.1	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 8000	50.0	63.0	65.7	67.4	70.3	71.2	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 7000	51.0	64.[illegible]	66.9	68.6	71.6	72.5	72.6	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 6000	51.8	65.3	68.[illegible]	69.0	72.0	72.8	73.0	73.0	73.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 5000	52.2	65.7	68.4	70.2	73.[illegible]	74.2	74.3	74.3	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 4500	52.7	66.[illegible]	69.[illegible]	70.[illegible]	74.[illegible]	74.8	74.9	74.9	74.9	75.[illegible]	75.2	75.2	75.2	75.2	75.2	75.2
GE 4000	53.2	67.2	70.[illegible]	71.9	75.1	75.9	76.[illegible]	76.[illegible]	76.[illegible]	76.2	76.2	76.[illegible]	76.2	76.2	76.2	76.2
GE 3500	53.9	67.6	70.4	72.[illegible]	75.6	76.5	76.6	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 3000	54.0	68.9	71.5	73.5	76.7	77.6	77.7	77.7	77.7	78.[illegible]	78.0	78.0	78.0	78.0	78.0	78.0
GE 2500	54.3	69.[illegible]	72.[illegible]	74.[illegible]	77.6	78.5	79.[illegible]	79.[illegible]	79.0	79.[illegible]	79.2	79.2	79.2	79.2	79.2	79.2
GE 2000	54.5	69.7	72.5	75.[illegible]	78.9	[illegible].3	[illegible].4	[illegible].4	[illegible].4	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 1800	55.1	69.9	73.[illegible]	75.5	79.[illegible]	[illegible].[illegible]	[illegible].5	[illegible].5	[illegible].5	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 1500	56.1	71.5	74.5	77.3	81.1	82.[illegible]	82.7	82.7	82.[illegible]	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 1200	57.1	72.6	76.[illegible]	79.4	83.[illegible]	84.7	85.[illegible]	85.[illegible]	85.[illegible]	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1000	57.4	73.7	77.7	80.[illegible]	84.[illegible]	86.[illegible]	86.[illegible]	86.[illegible]	86.[illegible]	86.6	86.8	86.8	86.8	86.8	86.8	86.8
GE 900	57.6	74.6	78.[illegible]	81.[illegible]	85.[illegible]	87.3	87.7	87.[illegible]	87.[illegible]	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 800	58.[illegible]	75.5	79.[illegible]	83.1	87.4	88.9	89.7	89.[illegible]	89.[illegible]	90.[illegible]	90.[illegible]	90.[illegible]	90.[illegible]	90.[illegible]	90.[illegible]	90.[illegible]
GE 700	58.1	76.3	81.[illegible]	84.7	89.1	90.[illegible]	91.[illegible]	91.[illegible]	91.[illegible]	91.[illegible]	91.8	91.8	91.8	91.8	91.8	91.8
GE 600	58.4	76.9	82.[illegible]	85.[illegible]	90.4	91.[illegible]	92.9	93.[illegible]	93.[illegible]	93.[illegible]	93.2	93.2	93.2	93.2	93.2	93.2
GE 500	58.5	77.[illegible]	82.[illegible]	86.[illegible]	91.[illegible]	93.[illegible]	94.4	94.[illegible]	94.[illegible]	95.[illegible]	95.2	95.[illegible]	95.2	95.[illegible]	95.2	95.2
GE 400	58.[illegible]	77.[illegible]	82.[illegible]	86.[illegible]	91.[illegible]	94.1	96.[illegible]	97.1	97.[illegible]	97.4	97.4	97.4	97.4	97.4	97.4	97.4
GE 300	58.6	77.[illegible]	82.[illegible]	86.[illegible]	92.[illegible]	94.7	96.[illegible]	98.3	98.4	99.[illegible]	99.[illegible]	99.[illegible]	99.2	99.2	99.2	99.2
GE 200	58.6	77.[illegible]	82.7	86.[illegible]	92.[illegible]	94.8	96.9	98.5	98.7	99.4	99.6	99.6	99.8	99.8	99.8	99.8
GE 100	58.6	77.[illegible]	82.7	86.[illegible]	92.[illegible]	94.8	96.9	98.6	98.8	99.5	99.7	99.7	99.9	99.9	99.9	99.9
GE 0	58.6	77.[illegible]	82.7	86.[illegible]	92.[illegible]	94.8	96.9	98.6	98.8	99.5	99.7	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS:

GLOBAL CLIMATOLOGY BRANCH — CUMULATIVE FREQUENCY & COINCIDENCE OF CEILING VERSUS VISIBILITY
STARTAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 7.5[illegible] STATION NAME: [illegible] AGE MA PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 1200-1400

CEILING IN FEET (GE) vs VISIBILITY IN STATUTE MILES (GE)

CEILING	0	1/4	1/2	5/8	3/4	7/8	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3	4	5	6	7	8	9	10
CLR	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
100	46.4	56.8	59.1	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	61.4	61.4	61.4
200	46.6	57.0	59.3	61.2	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
300	46.7	57.1	59.4	61.3	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
500	46.8	57.2	59.5	61.4	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
700	46.9	57.3	59.6	61.5	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
1000	47.0	57.4	59.7	61.6	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
1500	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
2000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
2500	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
3000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
3500	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
4000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
4500	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
5000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
6000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
7000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
8000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
9000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
10000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
11000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
12000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
13000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
14000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
15000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
16000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
17000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
18000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
19000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
20000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
21000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
22000	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
UNL	47.0	57.4	59.7	61.6	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3

[illegible]

[illegible] CLIMATOLOGY [illegible] PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
[illegible] (FROM HOURLY OBSERVATIONS)
AIR WEATHER S[illegible]

STATION NUMBER: [illegible] STATION NAME: [illegible]

PERIOD OF RECORD: 77-8[illegible]
MONTH: JUL HOURS(LST): 1[illegible]-2000

CEILING IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	34.[illegible]	41.[illegible]	44.1	4[illegible]	49.[illegible]	[illegible]	[illegible]	[illegible]	51.[illegible]	51.[illegible]	51.[illegible]	51.[illegible]	51.9	51.9	51.9	51.9
GE 20000	[illegible]	[illegible]	51.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60.1	60.[illegible]	60.2	60.2	60.2	60.2
GE 18000	41.[illegible]	49.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60.7	60.7	60.8	60.8	60.8	60.8
GE 16000	41.1	49.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60.8	60.8	60.9	60.9	60.9	60.9
GE 14000	[illegible]	[illegible]	55.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	64.[illegible]	[illegible]	65.2	65.[illegible]	65.3	65.3	65.3	65.3
GE 12000	44.7	53.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	66.4	66.4	66.4	66.5	66.5	66.5	66.6
GE 10000	45.7	55.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	69.8	69.[illegible]	69.9	69.9	69.9	70.[illegible]
GE 9000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70.[illegible]	70.[illegible]	70.9	70.9	70.9	71.[illegible]
GE 8000	48.1	58.7	[illegible]	[illegible]	[illegible]	71.4	[illegible]	73.[illegible]	73.[illegible]	73.7	73.7	73.7	73.8	73.8	73.8	74.[illegible]
GE 7000	[illegible]	59.[illegible]	[illegible]	[illegible]	71.4	[illegible]	[illegible]	74.[illegible]	74.[illegible]	74.7	74.7	74.7	74.8	74.8	74.8	74.9
GE 6000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75.[illegible]	75.[illegible]	75.9	75.[illegible]	75.[illegible]	76.0	76.0	76.0	76.1
GE 5000	[illegible]	61.[illegible]	65.[illegible]	[illegible]	74.[illegible]	[illegible]	77.[illegible]	77.[illegible]	77.1	77.[illegible]	77.8	77.8	77.9	77.9	77.9	78.0
GE 4500	51.[illegible]	62.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	7[illegible]	7[illegible]	7[illegible]	78.8	78.8	78.9	78.9	78.9	79.[illegible]
GE 4000	51.7	63.[illegible]	67.[illegible]	[illegible]	76.4	77.4	79.1	[illegible]	[illegible]	80.1	80.1	80.1	80.2	80.2	80.2	80.3
GE 3500	51.8	63.5	67.[illegible]	71.3	77.[illegible]	77.9	79.[illegible]	80.1	80.1	80.9	80.9	80.9	81.1	81.1	81.1	81.2
GE 3000	51.8	63.8	67.[illegible]	71.7	77.4	[illegible]	[illegible]	[illegible]	[illegible]	81.4	81.4	81.4	81.5	81.5	81.5	81.6
GE 2500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	82.[illegible]	82.[illegible]	82.1	82.1	82.1	[illegible]2
GE 2000	52.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	82.1	82.1	82.2	82.2	82.2	82.3
GE 1800	52.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	82.[illegible]	82.[illegible]	82.3	82.3	82.3	82.5
GE 1500	[illegible]	[illegible]	[illegible]	73.[illegible]	78.7	79.7	81.[illegible]	81.[illegible]	[illegible]	[illegible]	82.7	82.7	82.8	82.8	82.8	82.9
GE 1200	53.[illegible]	65.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	83.5	83.[illegible]	83.6	83.6	83.6	83.7
GE 1000	53.7	66.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	85.[illegible]	85.[illegible]	85.1	85.1	85.1	85.3
GE 900	53.7	67.[illegible]	71.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	85.7	85.7	85.7	85.8	85.8	85.8	85.9
GE 800	[illegible]	67.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	87.1	[illegible]	87.[illegible]	87.[illegible]	87.1	87.1	87.1	87.[illegible]
GE 700	54.3	68.[illegible]	73.[illegible]	77.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	88.8	88.[illegible]	88.9	88.9	88.9	89.[illegible]
GE 600	54.4	68.9	74.[illegible]	7[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	90.[illegible]	90.6	90.6	90.6	90.7
GE 500	[illegible]	69.[illegible]	7[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	93.[illegible]	93.1	93.1	93.1	93.2
GE 400	54.6	69.[illegible]	7[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94.9	94.[illegible]	95.[illegible]	95.[illegible]	95.[illegible]	95.2
GE 300	54.[illegible]	70.[illegible]	75.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97.[illegible]	97.[illegible]	97.2	97.2	97.2	97.3
GE 200	54.7	70.1	75.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97.8	97.8	98.2	98.2	98.2	98.3
GE 100	54.7	70.1	75.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	97.[illegible]	98.4	98.4	98.9	98.9	99.2	99.5
GE 0	54.7	70.1	75.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	98.5	99.[illegible]	99.[illegible]	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS : [illegible]

[illegible] CLIMATOLOGY BRANCH — [illegible] OF CEILING VERSUS VISIBILITY
[illegible] AFSTAC ([illegible] OBSERVATIONS)
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: [illegible] AFB MA — PERIOD OF RECORD: 77-86
MONTH: JUL HOURS(LST): 0100-2300

CEILING IN FEET | PERCENTAGE FREQUENCY OF OCCURRENCE OF VISIBILITY (STATUTE MILES) EQUAL TO OR GREATER THAN

CEILING IN FEET	10	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	7/8	5/8	1/2	5/16	1/4	0
N CEIL	39.1	44.2	46.1	46.7	47.2	47.2	54.4	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8
25000	39.4	43.8	44.2	45.0	45.4	45.4	57.0	57.0	57.0	56.9	57.0	57.0	57.0	57.0	57.0	57.0
20000	39.5	44.2	44.8	45.3	45.6	45.6	57.1	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5
18000	39.9	44.2	45.0	45.3	45.6	45.6	57.1	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5
16000	39.7	43.3	51.7	54.7	54.9	54.9	61.0	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5
14000	40.1	43.7	52.0	55.0	55.2	55.2	61.4	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8
12000	41.7	50.2	56.7	59.8	60.1	60.1	64.4	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8
9000	42.0	50.5	55.4	58.2	58.4	58.4	65.1	65.4	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5
8000	42.7	52.2	57.1	60.4	60.7	60.7	67.4	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8
7000	43.4	54.5	59.4	62.8	63.0	63.0	67.9	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3
6000	44.7	55.4	59.4	61.8	62.1	62.1	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
5000	47.0	58.7	59.7	63.1	63.3	63.3	71.0	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2
4500	46.3	55.2	60.1	63.7	64.0	64.0	71.4	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
4000	47.4	56.3	61.7	65.2	65.5	65.5	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
3500	47.4	56.4	61.6	65.0	65.3	65.3	73.2	73.5	73.5	73.6	73.8	73.8	73.8	73.8	73.8	73.8
3000	47.7	56.5	61.9	65.4	65.7	65.7	74.1	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5
2500	47.7	56.9	62.1	66.1	66.4	66.4	74.6	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0
2000	48.1	57.3	62.7	67.1	67.4	67.4	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
1800	48.1	57.3	62.7	67.1	67.4	67.4	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
1600	48.5	58.2	63.5	68.0	68.3	68.3	76.6	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
1400	48.5	58.2	63.5	68.0	68.3	68.3	76.6	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
1200	49.5	59.2	64.6	69.2	69.5	69.5	77.8	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2
1000	49.4	59.1	64.7	69.1	69.4	69.4	78.2	78.3	78.3	78.5	78.5	78.5	78.5	78.5	78.5	78.5
900	50.7	59.6	65.1	70.0	70.3	70.3	79.0	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4
800	50.5	60.5	66.1	71.2	71.5	71.5	81.1	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6
700	52.5	62.5	67.1	72.2	72.5	72.5	83.5	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0
600	55.9	61.0	68.0	73.0	73.3	73.3	84.7	85.0	85.0	85.4	85.6	86.0	86.0	86.0	86.0	86.0
500	61.7	67.7	74.1	79.2	79.5	79.5	90.3	90.6	90.6	90.8	91.0	91.4	91.5	91.5	91.5	91.5
400	61.0	67.2	73.6	78.7	79.0	79.0	90.0	90.3	90.3	90.5	90.8	91.2	91.3	91.3	91.3	91.3
300	61.0	67.2	73.6	78.7	79.0	79.0	90.0	90.3	90.3	90.5	90.8	91.2	91.3	91.3	91.3	91.3
200	61.0	67.2	73.6	78.7	79.0	79.0	90.0	90.3	90.3	90.5	90.8	91.2	91.3	91.3	91.3	91.3
100	61.0	67.2	73.6	78.7	79.0	79.0	90.0	90.3	90.3	90.5	90.8	91.2	91.3	91.3	91.3	91.3
0	61.0	67.2	73.6	78.7	79.0	79.0	90.0	90.3	90.3	90.5	90.8	91.2	91.3	91.3	91.3	91.3

TOTAL NUMBER OF OBSERVATIONS: [illegible]

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

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: [illegible]

PERIOD OF RECORD: 77-84
MONTH: JUL HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	[illegible]	43.4	46.4	[illegible]	[illegible]	[illegible]	53.1	53.3	53.4	53.6	53.6	53.6	53.7	53.7	53.7	53.7
GE 20000	[illegible]	47.4	[illegible]	[illegible]	[illegible]	56.7	57.4	58.1	58.1	58.3	58.4	58.4	58.4	58.4	58.4	58.4
GE 18000	39.4	47.6	[illegible]	53.4	[illegible]	[illegible]	[illegible]	58.6	58.6	58.6	58.9	58.9	58.9	58.9	58.9	59.0
GE 16000	39.4	47.9	[illegible]	[illegible]	[illegible]	57.3	58.4	58.7	58.7	58.9	58.9	58.9	59.0	59.0	59.0	59.0
GE 14000	41.2	50.4	[illegible]	[illegible]	[illegible]	[illegible]	61.4	61.7	61.7	61.9	62.0	62.0	62.0	[illegible]	62.1	62.1
GE 12000	[illegible]	51.3	[illegible]	57.1	[illegible]	[illegible]	62.4	[illegible]	[illegible]	[illegible]	63.1	63.1	63.1	63.1	63.1	63.1
GE 10000	[illegible]	53.7	[illegible]	[illegible]	[illegible]	64.4	[illegible]	[illegible]	[illegible]	66.2	66.3	66.3	66.3	66.3	66.4	66.4
GE 9000	[illegible]	54.1	57.7	60.4	[illegible]	64.6	66.1	[illegible]	[illegible]	66.7	[illegible]	66.6	66.8	66.8	66.9	66.9
GE 8000	[illegible]	56.4	[illegible]	[illegible]	66.7	67.6	[illegible]	69.4	69.4	69.6	69.7	69.7	69.7	69.7	69.8	69.8
GE 7000	[illegible]	56.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	70.0	70.3	70.3	70.3	70.4	70.4	70.4	70.4
GE 6000	[illegible]	57.9	[illegible]	64.6	69.4	69.3	70.7	71.1	71.1	71.3	71.4	71.4	71.4	71.4	71.5	71.5
GE 5000	47.7	58.9	[illegible]	[illegible]	[illegible]	70.6	72.2	72.5	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9
GE 4500	48.1	[illegible]	[illegible]	66.3	[illegible]	71.3	72.7	73.1	73.1	73.4	73.4	73.4	73.5	73.5	73.5	73.5
GE 4000	48.6	[illegible]	[illegible]	67.3	71.4	[illegible]	73.7	[illegible]	74.2	74.4	74.5	74.5	74.5	74.5	74.5	74.5
GE 3500	[illegible]	60.3	[illegible]	[illegible]	[illegible]	[illegible]	74.1	[illegible]	74.5	74.6	74.9	74.9	74.9	74.9	74.9	74.9
GE 3000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	75.4	[illegible]	[illegible]	76.1	76.2	[illegible]	76.2	76.2	76.2	76.3
GE 2500	[illegible]	61.5	[illegible]	69.1	[illegible]	74.5	[illegible]	76.4	[illegible]	76.7	76.8	76.8	76.8	76.8	76.9	76.9
GE 2000	[illegible]	[illegible]	[illegible]	70.1	[illegible]	[illegible]	77.2	77.6	77.6	77.9	[illegible]	[illegible]	78.0	78.0	78.1	78.1
GE 1800	[illegible]	62.3	[illegible]	[illegible]	[illegible]	[illegible]	77.4	77.6	77.6	78.1	78.1	78.1	78.2	[illegible]	78.2	[illegible]
GE 1500	[illegible]	63.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78.7	[illegible]	79.1	79.1	79.1	79.2	79.2	79.2	[illegible]
GE 1200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	80.1	80.1	80.4	80.5	80.5	80.5	80.5	80.5	80.6
GE 1000	[illegible]	64.6	[illegible]	[illegible]	[illegible]	79.4	81.1	81.6	81.6	81.9	82.0	82.0	82.0	[illegible]	82.0	82.1
GE 900	[illegible]	65.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	82.9	82.9	82.9	82.9	82.9	[illegible]
GE 800	[illegible]	66.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84.1	84.4	84.4	84.4	84.5	84.5	84.5	84.5
GE 700	[illegible]	[illegible]	[illegible]	[illegible]	81.7	[illegible]	85.1	85.6	85.7	[illegible]	86.1	86.1	86.1	86.1	86.1	86.1
GE 600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84.4	86.7	[illegible]	87.4	87.7	87.6	87.6	87.8	87.8	87.9	87.9
GE 500	[illegible]	67.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	89.6	89.6	[illegible]	90.3	90.3	90.4	90.4	90.4	90.4
GE 400	[illegible]	67.6	[illegible]	[illegible]	[illegible]	[illegible]	90.4	91.5	91.6	92.1	92.3	92.3	92.3	92.3	92.4	92.4
GE 300	[illegible]	67.9	74.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	93.4	[illegible]	94.5	94.5	94.6	94.6	94.7	94.8
GE 200	[illegible]	67.9	74.	[illegible]	[illegible]	[illegible]	[illegible]	94.	94.1	95.3	95.8	95.8	96.4	96.5	96.6	96.8
GE 100	[illegible]	67.9	74.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94.4	[illegible]	96.5	96.5	97.4	97.5	98.4	98.8
GE 0	[illegible]	67.9	74.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94.4	[illegible]	96.5	96.6	97.5	97.6	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

...NAL CLIMATOLOGY BRANCH ... CUMULATIVE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
... AFETAC FROM HOURLY OBSERVATIONS
...D WEATHER SERVICE/MAC

STATION NUMBER: 725... STATION NAME: ...S ANGELES MA PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 0000-0200

CEILING IN FEET							VISIBILITY IN STATUTE MILES									
							GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
...	...	...	...	...	...	...	47.6	47.6	45.4	50.0	50.6	50.6	50.6	50.9	56.9
...	...	...	...	...	...	...	54.4	54.4	55.5	55.6	55.7	55.7	55.7	55.9	55.9
...	...	...	...	...	...	...	54.4	54.4	55.6	55.7	55.8	55.8	55.8	56.0	56.0
...	...	...	...	...	...	...	54.4	54.4	55.4	55.7	55.8	55.8	55.8	56.0	56.0
	...	...	...	...	...	...	54.4	56.2	57.4	57.4	57.5	57.6	57.6	57.6	57.8
...	...	...	...	...	...	...	...	...	56.7	56.7	58.1	58.2	58.2	58.2	58.4
...	...	...	...	...	...	...	57.4	59.4	60.3	60.5	60.6	60.8	60.8	60.8	61.0
...	...	...	...	...	...	...	57.6	59.7	60.6	60.9	61.1	61.1	61.1	61.1	61.3
...	...	...	...	...	...	...	61.7	61.7	64.5	64.7	64.8	64.9	64.9	64.9	65.2
...	...	...	...	...	...	...	61.7	63.6	64.8	65.1	65.2	65.3	65.3	65.3	65.5
...	...	...	...	...	...	...	61.8	64.4	65.4	65.6	65.7	65.8	65.8	65.8	66.0
...	...	...	...	...	...	...	62.3	64.3	66.1	66.3	66.5	66.6	66.6	66.6	66.8
...	...	...	...	...	...	...	64.4	64.4	67.0	67.2	67.3	67.4	67.4	67.4	67.6
...	...	...	...	...	...	...	64.4	64.4	66.0	66.2	68.3	68.4	68.4	68.4	68.6
...	...	...	...	...	...	...	64.7	66.5	68.3	68.5	68.6	68.7	68.7	68.7	68.9
...	...	...	...	...	...	...	65.4	67.7	69.5	69.7	69.8	69.9	69.9	69.9	70.1
	...	...	...	...	...	...	67.4	69.4	71.3	71.5	70.6	70.8	70.8	70.8	71.0
	...	...	...	...	...	...	65.4	70.4	71.1	71.2	71.3	71.3	71.3	71.3	71.5
...	...	...	...	...	...	...	65.4	70.4	71.1	71.2	71.3	71.3	71.3	71.3	71.5
...	...	...	...	...	...	...	71.4	71.4	71.6	71.7	71.8	71.8	71.8	71.8	72.0
...	...	...	...	...	...	...	69.6	72.0	72.6	72.8	72.9	73.0	73.0	73.0	73.2
	...	...	...	...	...	...	71.4	72.4	73.1	73.2	73.3	73.3	73.3	73.3	73.5
...	...	...	...	...	...	...	72.1	73.7	73.9	74.5	73.7	73.8	73.8	73.8	74.0
...	...	...	...	...	...	...	74.0	74.0	74.2	74.3	74.4	74.5	74.5	74.5	74.7
	...	...	...	...	...	...	76.1	76.3	76.5	76.6	76.7	76.7	76.7	76.7	76.9
...	...	...	...	...	...	...	77.4	77.4	77.5	77.8	78.1	78.2	78.2	78.2	78.4
	...	...	...	...	...	...	79.0	81.0	81.2	81.4	81.8	81.8	81.8	82.0	82.0
...	...	...	...	...	...	...	81.7	83.8	84.2	84.2	84.2	84.3	84.3	84.5	84.5
	...	...	...	...	...	...	83.7	85.5	86.1	87.2	87.7	87.7	87.8	87.8	89.1	88.3
	...	...	...	...	...	...	85.4	88.0	88.4	90.6	91.7	91.7	92.4	92.5	93.0	93.2
...	...	...	...	...	...	...	85.4	88.1	89.2	91.2	93.1	93.1	95.4	95.5	97.8	98.2
	...	...	...	...	...	...	85.4	88.1	89.2	91.2	93.1	93.1	95.5	95.6	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS: ...

GLOBAL CLIMATOLOGY BRANCH
FAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72506 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	38.4	39.1	39.3	39.7	40.9	41.8	41.8	42.4	42.7	42.7	42.7	42.7	42.7
GE 25000	31.5	38.4	40.2	41.6	43.4	44.1	45.4	46.5	46.5	47.1	47.4	47.4	47.6	47.6	47.6	47.6
GE 20000	31.5	38.4	40.2	41.6	43.4	44.1	45.4	46.5	46.5	47.1	47.4	47.4	47.6	47.6	47.6	47.6
GE 18000	31.5	38.4	40.2	41.6	43.4	44.1	45.4	46.5	46.5	47.1	47.4	47.4	47.6	47.6	47.6	47.6
GE 14000	32.6	40.3	41.7	43.3	45.7	46.7	48.0	49.2	49.2	49.9	50.2	50.4	50.4	50.4	50.4	50.4
GE 12000	32.7	40.5	42.0	44.0	46.3	47.3	48.6	49.9	49.9	50.5	50.9	50.9	51.1	51.1	51.1	51.1
GE 10000	34.2	42.4	44.2	46.5	49.1	50.2	51.7	53.1	53.1	53.8	54.1	54.1	54.3	54.3	54.3	54.3
GE 9000	34.6	42.8	44.6	46.9	49.6	50.6	52.2	53.5	53.5	54.2	54.5	54.5	54.7	54.7	54.7	54.7
GE 8000	37.0	45.5	47.4	50.0	52.7	53.6	55.3	56.7	56.7	57.3	57.6	57.6	57.8	57.8	57.8	57.8
GE 7000	37.1	45.8	47.7	50.3	53.0	54.2	55.7	57.2	57.2	57.8	58.2	58.2	58.4	58.4	58.4	58.4
GE 6000	37.7	46.3	48.3	50.9	53.5	54.7	56.2	57.7	57.7	58.4	58.7	58.7	58.9	58.9	58.9	58.9
GE 5000	37.8	47.0	49.0	52.5	55.2	56.3	57.8	59.5	59.5	60.1	60.4	60.4	60.6	60.6	60.6	60.6
GE 4500	38.2	48.6	50.6	53.3	56.0	57.2	58.7	60.3	60.3	61.0	61.3	61.3	61.5	61.5	61.5	61.5
GE 4000	38.8	49.5	51.5	54.7	57.5	58.7	60.2	61.8	61.8	62.5	62.8	62.8	63.0	63.0	63.0	63.0
GE 3500	38.8	49.5	51.5	54.7	57.5	58.7	60.2	61.8	61.8	62.5	62.8	62.8	63.0	63.0	63.0	63.0
GE 3000	39.8	51.0	53.2	56.6	59.6	61.0	62.8	64.4	64.4	65.1	65.4	65.4	65.6	65.6	65.6	65.6
GE 2500	40.5	51.8	54.2	57.5	60.5	61.9	63.9	65.5	65.5	66.1	66.5	66.5	66.7	66.7	66.7	66.7
GE 2000	41.0	52.4	54.8	58.2	61.4	62.9	64.9	66.7	66.7	67.3	67.6	67.6	67.8	67.8	67.8	67.8
GE 1800	41.1	52.5	54.9	58.3	61.5	63.0	65.1	66.8	66.8	67.4	67.7	67.7	68.0	68.0	68.0	68.0
GE 1500	41.4	53.2	55.7	59.0	62.3	63.9	65.9	67.6	67.6	68.3	68.6	68.6	68.8	68.8	68.8	68.8
GE 1200	41.9	53.8	56.5	59.8	63.0	64.6	66.7	68.5	68.5	69.1	69.5	69.5	69.7	69.7	69.7	69.7
GE 1000	42.2	54.1	56.8	60.1	63.4	65.1	67.1	68.9	68.9	69.6	69.9	69.9	70.1	70.1	70.1	70.1
GE 900	42.3	54.2	57.0	60.4	63.8	65.4	67.4	69.2	69.2	69.9	70.2	70.2	70.4	70.4	70.4	70.4
GE 800	42.6	55.1	57.8	61.3	64.9	66.6	68.9	70.8	70.8	71.4	71.7	71.7	71.9	71.9	71.9	71.9
GE 700	43.0	55.7	58.6	62.5	66.9	68.5	70.9	72.7	72.7	73.3	73.7	73.7	73.9	73.9	73.9	73.9
GE 600	43.1	56.5	59.6	63.7	68.6	70.2	72.6	74.6	74.6	75.5	75.8	75.8	76.0	76.0	76.0	76.0
GE 500	43.8	57.3	61.1	65.7	71.1	72.8	75.9	78.2	78.2	79.5	79.8	79.8	80.0	80.0	80.1	80.1
GE 400	43.9	57.5	61.6	66.6	72.5	74.4	77.7	80.6	80.8	82.5	83.1	83.1	83.7	83.7	83.8	83.8
GE 300	43.9	57.5	62.2	67.2	73.8	75.8	79.4	82.6	83.0	85.3	86.3	86.3	87.1	87.1	87.3	87.3
GE 200	43.9	57.5	62.3	67.4	74.1	76.5	80.4	84.0	84.5	87.7	89.4	89.4	90.6	90.8	91.4	91.5
GE 100	43.9	57.5	62.3	67.4	74.1	76.5	80.9	84.6	85.2	89.6	91.5	91.5	94.3	94.4	96.5	97.2
GE 0	44.0	57.6	62.4	67.5	74.2	76.6	81.0	84.7	85.3	89.7	91.6	91.6	94.4	94.5	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	28.9	34.0	34.5	35.7	37.5	38.1	39.1	40.2	40.4	41.0	41.1	41.1	41.1	41.1	41.1	41.1
GE 20000	32.7	38.6	39.1	40.4	42.6	43.2	44.3	45.5	45.7	46.3	46.5	46.5	46.5	46.5	46.5	46.5
GE 18000	32.9	38.6	39.4	40.6	42.8	43.4	44.5	45.7	45.9	46.6	46.7	46.7	46.7	46.7	46.7	46.7
GE 16000	32.9	38.6	39.4	40.6	42.8	43.4	44.5	45.7	45.9	46.6	46.7	46.7	46.7	46.7	46.7	46.7
GE 14000	34.1	40.1	40.9	42.3	44.7	45.6	47.0	48.2	48.5	49.1	49.4	49.4	49.4	49.4	49.4	49.4
GE 12000	34.3	40.6	41.4	42.8	45.4	46.3	47.8	49.0	49.4	50.0	50.2	50.2	50.2	50.2	50.2	50.2
GE 10000	36.9	44.1	45.3	46.8	49.7	50.6	52.4	53.9	54.2	54.9	55.2	55.2	55.2	55.2	55.2	55.2
GE 9000	37.0	44.2	45.4	47.0	49.9	50.9	52.6	54.1	54.4	55.2	55.4	55.4	55.4	55.4	55.4	55.4
GE 8000	39.8	47.8	49.1	50.9	53.9	55.1	57.0	58.6	58.9	59.7	60.0	60.0	60.0	60.0	60.0	60.0
GE 7000	40.2	48.3	49.6	51.3	54.3	55.5	57.4	59.0	59.4	60.1	60.4	60.4	60.4	60.4	60.4	60.4
GE 6000	40.9	48.9	50.2	52.2	55.3	56.5	58.4	60.0	60.3	61.1	61.4	61.4	61.4	61.4	61.4	61.4
GE 5000	41.3	49.5	50.8	52.9	56.1	57.4	59.6	61.5	61.8	62.7	63.0	63.0	63.0	63.0	63.0	63.0
GE 4500	41.7	50.0	51.3	53.4	56.7	58.0	60.1	62.0	62.4	63.2	63.5	63.5	63.5	63.5	63.5	63.5
GE 4000	42.7	51.7	53.3	55.5	58.8	60.2	62.4	64.3	64.6	65.5	65.8	65.8	65.8	65.8	65.8	65.8
GE 3500	43.0	52.2	53.8	55.9	59.2	60.6	62.8	64.7	65.1	65.9	66.2	66.2	66.2	66.2	66.2	66.2
GE 3000	43.7	54.0	55.9	58.4	61.7	63.1	65.6	67.5	67.8	68.7	69.0	69.0	69.0	69.0	69.0	69.0
GE 2500	44.3	54.7	56.7	59.1	62.5	63.9	66.5	68.4	68.7	69.6	69.9	69.9	69.9	69.9	69.9	69.9
GE 2000	44.9	55.7	57.7	60.2	63.5	64.9	67.6	69.6	69.9	70.8	71.1	71.1	71.1	71.1	71.1	71.1
GE 1800	44.9	55.7	57.7	60.2	63.5	64.9	67.6	69.6	69.9	70.8	71.1	71.1	71.1	71.1	71.1	71.1
GE 1500	46.0	56.8	59.1	61.6	65.2	66.6	69.2	71.2	71.5	72.4	72.7	72.7	72.7	72.7	72.7	72.7
GE 1200	47.2	58.2	60.9	63.5	67.1	68.5	71.3	73.2	73.5	74.4	74.7	74.7	74.7	74.7	74.8	74.8
GE 1000	47.7	59.0	62.0	64.8	68.5	69.9	72.7	74.6	74.9	75.8	76.1	76.1	76.1	76.1	76.2	76.2
GE 900	48.0	59.4	62.5	65.3	69.1	70.5	73.3	75.3	75.6	76.5	76.8	76.8	76.8	76.8	76.9	76.9
GE 800	48.1	59.7	63.0	65.9	70.2	71.8	74.7	76.9	77.2	78.1	78.5	78.5	78.5	78.5	78.6	78.6
GE 700	48.6	60.2	64.2	67.3	72.0	73.9	77.1	79.2	79.6	80.4	80.9	80.9	80.9	80.9	81.0	81.0
GE 600	48.6	60.3	64.5	67.6	72.8	74.6	78.2	80.3	80.8	81.6	82.0	82.0	82.0	82.0	82.2	82.2
GE 500	48.6	60.5	64.9	68.5	73.7	75.8	79.4	82.2	82.6	83.5	84.0	84.0	84.0	84.0	84.2	84.2
GE 400	48.9	61.0	65.6	69.1	74.6	77.2	81.1	85.2	85.6	87.1	87.8	87.8	88.0	88.0	88.2	88.2
GE 300	48.9	61.0	65.8	69.5	75.2	77.8	82.0	87.2	87.7	89.9	91.0	91.1	91.2	91.2	91.4	91.4
GE 200	48.9	61.0	65.8	69.5	75.2	77.8	82.3	88.0	88.8	91.7	93.8	94.0	94.7	94.7	95.7	96.2
GE 100	48.9	61.0	65.8	69.5	75.2	77.8	82.3	88.1	88.9	92.0	94.3	94.5	95.8	95.9	98.2	99.0
GE 0	48.9	61.0	65.8	69.5	75.2	77.8	82.3	88.1	88.9	92.0	94.3	94.5	95.8	95.9	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	33.2	40.5	42.3	43.8	47.0	47.3	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 20000	36.7	44.8	46.8	48.4	51.6	51.9	52.6	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 18000	36.9	45.1	47.0	48.6	51.8	52.2	52.8	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 16000	36.9	45.1	47.0	48.6	51.8	52.2	52.8	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 14000	38.4	47.5	49.5	51.1	54.4	54.7	55.4	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 12000	38.5	48.1	50.0	51.6	54.9	55.3	55.9	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 10000	41.1	52.3	54.5	56.2	59.9	60.2	60.9	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 9000	41.3	52.5	54.7	56.5	60.1	60.4	61.1	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 8000	43.9	56.1	58.6	60.3	64.1	64.4	65.1	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 7000	44.7	57.1	59.7	61.4	65.2	65.5	66.2	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 6000	45.5	58.0	60.9	62.6	66.5	66.8	67.6	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 5000	45.8	58.6	61.6	63.3	67.2	67.5	68.4	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 4500	46.2	59.0	62.2	63.9	67.7	68.1	68.9	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 4000	46.5	59.6	63.0	64.7	68.8	69.2	70.2	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 3500	46.5	59.6	63.0	64.7	68.8	69.2	70.2	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 3000	47.1	61.6	65.3	67.0	71.1	71.6	72.6	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 2500	47.3	62.2	65.6	67.5	71.7	72.3	73.2	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 2000	48.4	63.4	67.0	69.0	73.4	74.0	75.2	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 1800	49.0	64.4	68.1	70.2	74.6	75.2	76.3	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 1500	50.0	65.7	69.5	71.7	76.7	77.2	78.5	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 1200	51.0	67.8	72.2	74.6	80.0	80.5	81.8	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 1000	51.4	68.6	72.9	76.0	81.2	81.7	83.3	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.9
GE 900	51.4	68.9	73.2	76.6	81.9	82.5	84.3	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.9
GE 800	51.6	69.6	74.1	77.5	84.0	84.7	86.6	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.2
GE 700	51.9	70.4	75.3	78.8	85.7	86.5	88.7	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.5
GE 600	52.0	71.1	76.2	80.0	87.1	88.0	90.3	91.2	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.6
GE 500	52.0	71.1	76.7	81.1	88.2	89.5	92.0	93.2	93.2	93.7	93.7	93.7	93.7	93.7	93.7	93.8
GE 400	52.0	71.4	77.2	82.0	89.1	90.9	93.9	95.5	95.6	96.3	96.9	96.9	97.0	97.0	97.0	97.1
GE 300	52.0	71.6	77.4	82.4	89.7	91.4	94.5	96.2	96.3	97.3	98.1	98.1	98.3	98.3	98.3	98.4
GE 200	52.0	71.6	77.4	82.4	89.8	91.5	94.7	96.7	96.8	97.7	98.9	98.9	99.5	99.5	99.5	99.6
GE 100	52.0	71.6	77.4	82.4	89.8	91.5	94.7	96.7	96.8	97.7	99.0	99.0	99.6	99.7	99.7	99.8
GE 0	52.0	71.6	77.4	82.4	89.8	91.5	94.7	96.7	96.8	97.7	99.0	99.0	99.6	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	32.1	41.7	44.1	45.2	48.0	48.1	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 20000	35.6	46.1	48.8	49.8	52.7	52.9	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 18000	35.6	46.2	48.9	49.9	52.9	53.0	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 16000	35.6	46.2	48.9	49.9	52.9	53.0	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 14000	36.8	47.6	50.4	51.6	54.6	54.8	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 12000	37.5	48.8	51.7	52.9	56.0	56.2	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 10000	40.0	52.0	55.4	56.9	60.3	60.5	60.8	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 9000	40.4	52.3	55.8	57.3	60.6	60.8	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 8000	42.8	55.3	58.9	60.4	64.0	64.4	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 7000	43.8	56.4	60.0	61.5	65.1	65.4	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 6000	44.6	57.3	60.9	62.5	66.2	66.5	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 5000	45.4	58.6	62.3	63.9	67.6	67.9	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 4500	45.9	59.0	62.8	64.4	68.0	68.4	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 4000	47.1	61.0	65.0	66.6	70.4	70.7	71.0	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 3500	47.7	62.2	66.2	68.0	71.8	72.3	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 3000	49.0	63.8	67.8	69.9	74.3	74.8	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 2500	50.1	65.0	69.0	71.2	75.7	76.5	77.2	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 2000	50.8	66.4	70.5	73.1	77.9	78.8	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 1800	51.2	67.0	71.0	73.6	78.5	79.3	80.0	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 1500	52.5	69.1	73.4	76.2	81.3	82.3	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 1200	53.4	70.9	75.5	78.6	84.1	85.4	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1000	53.6	71.4	76.2	79.8	85.4	86.7	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 900	53.7	71.8	77.0	80.5	86.2	87.5	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 800	54.0	72.4	77.6	81.6	87.7	89.2	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 700	54.1	73.5	79.2	83.2	89.7	91.2	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 600	54.1	74.4	80.3	84.3	91.1	92.7	94.2	94.8	94.8	95.0	95.3	95.3	95.3	95.3	95.3	95.3
GE 500	54.1	74.5	80.8	85.5	92.6	94.5	96.6	97.4	97.4	97.8	98.2	98.2	98.2	98.2	98.2	98.2
GE 400	54.1	74.6	80.9	85.7	92.9	94.9	97.4	98.4	98.4	98.8	99.2	99.4	99.4	99.4	99.4	99.4
GE 300	54.1	74.6	80.9	85.7	92.9	94.9	97.5	98.5	98.5	99.1	99.6	99.7	99.7	99.7	99.7	99.7
GE 200	54.1	74.6	80.9	85.7	92.9	94.9	97.5	98.5	98.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0
GE 100	54.1	74.6	80.9	85.7	92.9	94.9	97.5	98.5	98.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0
GE 0	54.1	74.6	80.9	85.7	92.9	94.9	97.5	98.5	98.5	99.1	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	31.4	40.8	43.3	45.3	47.2	47.5	47.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 20000	36.1	46.6	49.4	51.3	53.4	54.0	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 18000	36.1	46.7	49.5	51.4	53.5	54.1	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 16000	36.1	46.7	49.5	51.4	53.5	54.1	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 14000	37.2	48.0	50.9	52.8	55.5	56.0	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 12000	38.5	49.7	52.7	54.6	57.3	57.8	58.6	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 10000	40.3	52.3	56.1	58.3	61.4	61.9	62.8	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4
GE 9000	40.4	52.4	56.2	58.4	61.5	62.0	62.9	63.3	63.4	63.4	63.5	63.5	63.5	63.5	63.5	63.5
GE 8000	43.0	55.7	59.6	61.8	65.4	65.9	66.9	67.3	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5
GE 7000	44.1	56.9	60.8	63.0	66.6	67.1	68.1	68.5	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7
GE 6000	45.4	58.3	62.2	64.4	68.0	68.5	69.5	69.9	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1
GE 5000	45.6	59.1	63.5	65.9	69.5	70.0	71.0	71.4	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6
GE 4500	45.7	59.2	63.7	66.0	69.6	70.1	71.1	71.5	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7
GE 4000	47.0	61.1	65.5	68.1	71.7	72.3	73.2	73.7	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9
GE 3500	47.3	61.6	66.0	68.6	72.5	73.0	74.0	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6
GE 3000	48.6	63.6	68.3	71.2	75.1	75.6	76.7	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4
GE 2500	49.5	65.6	70.3	73.2	77.2	77.7	79.0	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8
GE 2000	50.5	67.2	72.3	75.4	79.4	80.0	81.4	81.9	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2
GE 1800	50.6	67.5	72.6	75.7	79.7	80.3	81.7	82.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5
GE 1500	51.9	68.7	73.8	77.3	81.3	82.2	83.7	84.2	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5
GE 1200	52.3	70.0	75.3	78.9	83.2	84.1	85.8	86.5	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8
GE 1000	52.5	70.8	76.0	80.0	84.5	85.6	87.5	88.4	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7
GE 900	52.8	71.3	76.7	81.0	85.6	86.8	88.9	89.8	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1
GE 800	52.8	71.6	77.1	81.8	86.7	87.8	90.1	91.1	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4
GE 700	52.9	72.0	77.6	82.7	88.1	89.4	91.6	92.6	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9
GE 600	52.9	72.3	78.2	83.8	89.2	90.5	92.9	93.9	94.1	94.4	94.5	94.5	94.5	94.5	94.5	94.5
GE 500	53.0	72.8	79.1	85.2	91.2	92.7	95.5	96.6	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2
GE 400	53.0	72.8	79.1	85.5	91.7	93.4	96.7	98.0	98.3	98.7	98.9	98.9	98.9	98.9	98.9	98.9
GE 300	53.0	72.8	79.1	85.5	91.7	93.4	96.7	98.5	98.9	99.5	99.7	99.7	99.7	99.7	99.7	99.7
GE 200	53.0	72.8	79.1	85.5	91.7	93.4	96.7	98.5	98.9	99.5	99.8	99.9	100.0	100.0	100.0	100.0
GE 100	53.0	72.8	79.1	85.5	91.7	93.4	96.7	98.5	98.9	99.5	99.8	99.9	100.0	100.0	100.0	100.0
GE 0	53.0	72.8	79.1	85.5	91.7	93.4	96.7	98.5	98.9	99.5	99.8	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	30.9	37.0	39.9	41.5	42.9	43.4	44.9	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 20000	35.5	43.0	46.2	47.8	49.6	50.4	52.3	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 18000	35.8	43.5	46.8	48.4	50.1	51.0	52.8	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 16000	35.8	43.5	46.8	48.4	50.1	51.0	52.8	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 14000	36.8	44.8	48.1	49.7	51.6	52.8	54.6	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 12000	37.7	46.2	49.6	51.5	53.7	54.8	56.8	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 10000	39.7	48.7	52.6	54.4	57.2	58.5	60.8	61.6	61.6	61.8	61.8	61.6	61.8	61.8	61.8	61.8
GE 9000	39.8	48.8	52.9	54.5	57.3	58.6	60.9	61.7	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 8000	40.9	51.5	55.9	58.0	61.2	62.9	65.3	66.2	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 7000	42.3	53.1	57.5	59.8	63.1	64.7	67.2	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 6000	44.0	55.1	59.5	61.7	65.2	66.8	69.2	70.2	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 5000	44.2	55.7	60.1	62.7	66.1	67.7	70.2	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 4500	44.9	56.6	61.0	63.5	67.0	68.6	71.1	72.4	72.4	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 4000	45.9	57.8	62.4	64.9	68.4	70.1	72.7	74.1	74.1	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 3500	46.8	58.8	63.3	65.9	69.4	71.2	73.9	75.3	75.3	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 3000	48.1	60.2	65.1	67.7	71.2	73.0	75.9	77.3	77.3	77.8	77.8	77.6	77.8	77.8	77.8	77.8
GE 2500	48.5	60.9	65.7	68.7	72.5	74.5	77.2	78.6	78.6	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 2000	49.1	61.6	66.8	69.8	73.7	75.7	78.5	79.9	79.9	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 1800	49.1	61.6	66.8	69.8	73.7	75.7	78.5	80.0	80.0	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 1500	49.6	62.6	67.5	70.6	74.6	76.7	79.5	81.0	81.0	81.5	81.6	81.6	81.6	81.6	81.6	81.6
GE 1200	49.8	63.0	68.0	71.2	75.3	77.3	80.2	81.7	81.7	82.3	82.4	82.4	82.4	82.4	82.4	82.4
GE 1000	50.4	63.9	68.9	72.3	76.7	78.7	81.7	83.3	83.3	84.0	84.1	84.1	84.1	84.1	84.1	84.1
GE 900	50.4	64.3	69.4	72.9	77.4	79.5	82.6	84.2	84.2	84.8	84.9	84.9	84.9	84.9	84.9	84.9
GE 800	50.6	64.8	70.3	73.9	78.6	80.6	83.9	85.5	85.5	86.2	86.3	86.3	86.3	86.3	86.3	86.3
GE 700	50.8	65.6	71.5	75.1	79.9	81.9	85.3	87.0	87.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1
GE 600	50.9	66.2	72.9	76.3	81.6	83.8	87.3	89.0	89.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1
GE 500	50.9	66.8	73.8	78.3	84.2	86.6	90.2	92.4	92.4	93.3	93.4	93.4	93.4	93.4	93.4	93.4
GE 400	50.9	66.8	73.9	78.8	84.9	87.4	91.5	94.2	94.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8
GE 300	50.9	66.8	73.9	79.0	85.6	88.1	92.6	95.7	95.7	97.3	97.5	97.5	97.5	97.5	97.5	97.5
GE 200	50.9	66.8	73.9	79.0	85.6	88.1	92.8	95.9	96.1	98.4	98.8	98.8	98.8	98.8	99.0	99.0
GE 100	50.9	66.8	73.9	79.0	85.6	88.1	92.9	96.0	96.2	98.7	99.2	99.2	99.2	99.2	99.6	99.6
GE 0	50.9	66.8	73.9	79.0	85.6	88.1	92.9	96.0	96.2	98.7	99.2	99.2	99.2	99.2	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	34.6	41.3	44.2	45.8	47.7	48.7	50.5	51.0	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.4
GE 20000	36.9	44.5	47.6	49.7	51.6	52.7	54.6	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5
GE 18000	37.2	44.9	48.1	50.1	52.0	53.1	55.1	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9
GE 16000	37.2	44.9	48.1	50.1	52.0	53.1	55.1	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9
GE 14000	38.9	46.8	50.1	52.2	54.2	55.3	57.2	57.6	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1
GE 12000	39.6	47.4	50.9	52.9	55.3	56.3	58.3	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.1
GE 10000	40.6	48.8	52.4	54.7	57.5	58.6	60.5	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4
GE 9000	41.0	49.1	52.7	55.1	57.8	58.9	60.9	61.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7
GE 8000	43.1	53.0	56.6	59.1	62.0	63.1	65.4	65.8	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.5
GE 7000	43.8	53.9	57.4	60.0	62.9	64.0	66.2	66.7	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.3
GE 6000	44.6	54.6	58.4	61.0	63.9	65.2	67.4	67.8	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.5
GE 5000	45.1	55.7	59.4	61.9	64.8	66.1	68.4	68.8	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.5
GE 4500	45.3	56.3	60.2	62.9	65.8	67.1	69.4	69.8	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.5
GE 4000	45.6	57.0	60.9	63.7	66.6	67.8	70.1	70.5	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.3
GE 3500	45.8	57.3	61.2	64.0	66.9	68.2	70.4	70.9	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.6
GE 3000	46.1	57.6	61.6	64.5	67.7	69.1	71.6	72.0	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.8
GE 2500	46.6	58.1	62.2	65.1	68.5	69.9	72.4	72.8	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.5
GE 2000	46.9	58.4	62.6	65.5	69.0	70.4	72.9	73.3	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.1
GE 1800	46.9	58.4	62.6	65.5	69.0	70.4	72.9	73.3	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.1
GE 1500	47.3	58.8	63.0	65.9	69.5	71.0	73.4	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.6
GE 1200	47.4	58.9	63.2	66.2	70.0	71.5	74.0	74.4	74.7	75.1	75.1	75.1	75.1	75.1	75.1	75.2
GE 1000	48.1	59.7	64.2	67.3	71.1	72.6	75.2	75.6	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.3
GE 900	48.2	59.9	64.5	67.6	71.6	73.1	75.7	76.2	76.6	76.9	76.9	76.9	76.9	76.9	76.9	77.0
GE 800	48.3	60.3	65.1	68.4	72.6	74.1	76.8	77.3	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.1
GE 700	48.5	61.5	66.3	69.8	74.2	75.7	78.4	78.9	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.8
GE 600	48.6	62.6	67.6	71.3	76.2	77.7	80.4	81.2	81.5	81.9	81.9	81.9	81.9	81.9	81.9	82.0
GE 500	48.9	63.0	69.1	73.4	79.2	80.9	84.0	84.9	85.3	85.8	85.8	85.8	85.8	85.8	85.8	85.9
GE 400	49.1	63.4	70.3	75.2	81.7	83.5	87.0	88.1	88.4	89.0	89.1	89.1	89.1	89.1	89.1	89.2
GE 300	49.1	63.5	70.5	75.6	82.7	85.2	89.0	90.5	90.9	92.0	92.4	92.4	92.4	92.4	92.5	92.6
GE 200	49.1	63.5	70.9	76.1	83.4	86.1	90.6	92.5	93.0	95.1	95.9	95.9	96.0	96.1	96.3	96.5
GE 100	49.1	63.5	70.9	76.1	83.4	86.1	90.8	92.6	93.1	95.3	96.2	96.2	96.9	97.0	98.6	98.8
GE 0	49.1	63.5	70.9	76.1	83.4	86.1	90.8	92.6	93.1	95.3	96.2	96.2	96.9	97.0	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725080 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: AUG HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	31.6	38.9	41.[illegible]	42.5	44.6	45.1	46.1	46.6	46.7	46.9	47.0	47.0	47.0	47.0	47.0	47.0
GE 20000	35.2	43.4	45.7	47.4	49.7	50.2	51.4	52.0	52.1	52.3	52.4	52.4	52.4	52.4	52.4	52.4
GE 18000	35.4	43.6	45.9	47.6	49.9	50.5	51.6	52.2	52.3	52.5	52.6	52.6	52.6	52.6	52.7	52.7
GE 16000	35.4	43.6	45.9	47.6	49.9	50.5	51.6	52.2	52.3	52.5	52.6	52.6	52.6	52.6	52.7	52.7
GE 14000	36.5	45.1	47.6	49.3	51.8	52.5	53.7	54.4	54.5	54.7	54.8	54.8	54.8	54.8	54.9	54.9
GE 12000	37.1	45.9	48.5	50.3	52.9	53.6	54.9	55.6	55.7	55.9	56.0	56.0	56.0	56.0	56.0	56.0
GE 10000	39.1	48.6	51.[illegible]	53.5	56.5	57.3	58.7	59.4	59.5	59.8	59.8	59.8	59.9	59.9	59.9	59.9
GE 9000	39.3	48.8	51.8	53.8	56.7	57.5	58.9	59.7	59.8	60.0	60.1	60.1	60.1	60.1	60.2	60.2
GE 8000	41.6	52.1	55.[illegible]	57.4	60.5	61.4	62.9	63.7	63.8	64.1	64.2	64.2	64.2	64.2	64.2	64.2
GE 7000	42.3	52.9	56.1	58.2	61.4	62.3	63.8	64.6	64.7	65.0	65.1	65.1	65.1	65.1	65.2	65.2
GE 6000	43.2	53.9	57.1	59.3	62.5	63.4	65.0	65.8	65.9	66.2	66.3	66.3	66.3	66.3	66.3	66.3
GE 5000	43.6	54.8	58.1	60.4	63.6	64.6	66.1	67.0	67.1	67.4	67.5	67.5	67.5	67.5	67.5	67.5
GE 4500	43.9	55.3	58.7	61.0	64.3	65.2	66.7	67.6	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.3
GE 4000	44.7	56.5	60.[illegible]	62.5	65.8	66.6	68.4	69.3	69.4	69.7	69.8	69.8	69.8	69.8	69.9	69.9
GE 3500	45.0	57.0	60.5	63.0	66.4	67.3	68.9	69.9	70.0	70.3	70.4	70.4	70.5	70.5	70.5	70.5
GE 3000	45.8	58.5	62.1	64.8	68.3	69.4	71.1	72.1	72.2	72.5	72.6	72.6	72.6	72.6	72.7	72.7
GE 2500	46.4	59.3	63.0	65.7	69.4	70.5	72.3	73.3	73.4	73.7	73.8	73.8	73.9	73.9	73.9	73.9
GE 2000	47.1	60.2	64.1	66.9	70.6	71.6	73.7	74.7	74.8	75.1	75.3	75.3	75.3	75.3	75.3	75.3
GE 1800	47.2	60.5	64.3	67.2	70.9	72.1	74.0	75.0	75.1	75.4	75.5	75.5	75.6	75.6	75.6	75.6
GE 1500	48.0	61.5	65.4	68.4	72.2	73.5	75.5	76.4	76.6	76.9	77.0	77.0	77.1	77.1	77.1	77.1
GE 1200	48.6	62.5	66.7	69.8	73.9	75.2	77.2	78.2	78.3	78.7	78.8	78.8	78.8	78.8	78.9	78.9
GE 1000	48.9	63.2	67.4	70.3	74.9	76.2	78.4	79.4	79.6	79.9	80.0	80.0	80.1	80.1	80.1	80.1
GE 900	49.1	63.5	67.8	71.3	75.6	76.9	79.1	80.2	80.4	80.7	80.8	80.8	80.8	80.8	80.9	80.9
GE 800	49.3	64.0	68.5	72.1	76.4	77.8	80.5	81.7	81.8	82.2	82.3	82.3	82.3	82.3	82.4	82.4
GE 700	49.5	64.8	69.0	73.4	78.5	80.0	82.4	83.6	83.7	84.1	84.3	84.3	84.3	84.3	84.3	84.4
GE 600	49.6	65.4	70.4	74.4	79.9	81.4	84.1	85.3	85.5	86.0	86.2	86.2	86.2	86.2	86.2	86.3
GE 500	49.8	65.8	71.4	76.0	81.9	83.6	86.6	88.2	88.4	89.0	89.2	89.2	89.3	89.3	89.3	89.4
GE 400	49.9	66.1	71.9	76.8	83.2	85.0	88.3	90.3	90.5	91.5	91.9	91.9	92.0	92.0	92.1	92.1
GE 300	49.9	66.1	72.1	77.2	83.6	85.8	89.4	91.8	92.1	93.5	94.0	94.1	94.2	94.2	94.3	94.4
GE 200	49.9	66.2	72.2	77.2	83.9	86.1	90.1	92.7	93.2	95.0	96.0	96.1	96.5	96.5	96.9	97.0
GE 100	49.9	66.2	72.2	77.2	83.9	86.1	90.1	92.9	93.7	95.5	96.6	96.7	97.6	97.7	98.8	99.1
GE 0	49.9	66.2	72.2	77.3	83.9	86.1	90.1	92.9	93.3	95.5	96.7	96.7	97.7	97.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 7459

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
STAFETAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 7[illegible] STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-84
MONTH: SEP — HOURS(LST): 0000-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	54.1	50.1	52.2	55.2	55.2	55.3	55.4	55.9	56.1	56.2	56.2	56.2	56.4	56.4	56.6	56.9
25000	56.4	53.1	55.2	56.5	56.7	56.9	56.9	57.1	57.3	57.4	57.4	57.4	57.7	57.7	57.8	58.1
18000	56.6	53.1	55.2	56.5	56.7	56.9	56.9	57.1	57.3	57.4	57.4	57.4	57.7	57.7	57.8	58.1
10000	56.6	53.1	55.2	56.5	56.7	56.9	56.9	57.2	57.3	57.4	57.4	57.4	57.7	57.7	57.8	58.1
5000	56.4	53.4	55.2	56.7	56.7	56.8	57.0	57.4	57.7	57.8	59.8	59.8	60.0	60.1	60.1	60.4
3000	57.7	54.4	56.8	58.0	58.1	58.4	58.8	59.1	59.4	59.7	61.1	61.1	61.1	61.3	61.4	61.8
2500	59.0	56.9	59.1	60.4	60.7	60.9	61.2	61.5	61.8	62.0	63.5	63.5	63.9	64.1	64.2	64.6
2000	59.5	57.2	59.9	61.1	61.3	61.5	61.7	62.0	62.3	62.5	64.1	64.2	64.4	64.4	64.6	64.9
1500	61.9	59.7	62.4	63.7	63.9	64.2	64.5	64.8	65.1	65.3	67.0	67.1	67.1	67.3	67.4	67.8
1000	63.3	60.1	62.7	64.1	64.4	64.7	65.0	65.3	65.6	65.8	67.4	67.6	67.6	67.8	67.9	68.2
800	65.9	62.9	65.7	67.1	67.4	67.7	68.0	68.3	68.6	68.8	69.9	69.9	69.9	70.1	70.3	70.7
600	67.3	64.9	67.8	69.2	69.5	69.8	70.1	70.4	70.7	70.9	72.0	72.0	72.0	72.2	72.4	72.8
400	68.4	65.8	68.7	70.1	70.4	70.7	71.0	71.3	71.6	71.8	73.0	73.0	73.0	73.2	73.4	73.8
300	69.6	66.9	69.8	71.2	71.5	71.8	72.1	72.4	72.7	72.9	74.1	74.1	74.1	74.3	74.5	74.9
200	70.6	67.9	70.8	72.2	72.5	72.8	73.1	73.4	73.7	73.9	75.1	75.1	75.1	75.3	75.5	75.9
100	71.4	68.7	71.6	73.0	73.3	73.6	73.9	74.2	74.5	74.7	75.9	75.9	75.9	76.1	76.3	76.7
0	71.4	68.7	71.6	73.0	73.3	73.6	73.9	74.2	74.5	74.7	75.9	75.9	75.9	76.1	76.3	76.7

TOTAL NUMBER OF OBSERVATIONS: [illegible]

[illegible] FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
[illegible]
[illegible] HOURLY OBSERVATIONS
[illegible] METEOROLOGICAL

STATION NUMBER: [illegible] STATION NAME: [illegible] MA PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	10	7	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	3/16	1/4	0
5	[illegible]	46.3	48.1	49.4	51.7	51.9	53.2	53.4	53.8	53.8	53.9	54.0	54.1	54.1	54.6	54.9
25	2500	49.5	49.1	51.0	52.1	54.6	54.8	56.2	56.4	56.8	56.8	56.9	57.0	57.1	57.6	57.9
20	2000	49.5	49.6	51.0	52.1	54.6	54.8	56.2	56.4	56.8	56.8	56.9	57.0	57.1	57.6	57.9
15	1500	49.5	49.6	51.0	52.1	54.6	54.8	56.2	56.4	56.8	56.8	56.9	57.0	57.1	57.6	57.9
10	1000	44.7	49.6	51.0	52.9	55.7	55.8	57.0	57.2	57.6	57.6	57.7	57.8	57.9	58.3	58.7
9	900	49.1	48.3	52.1	53.4	56.1	56.2	57.7	57.9	58.2	58.2	58.3	58.4	58.6	59.0	59.3
8	800	48.2	53.9	56.0	57.4	60.1	60.2	61.7	61.9	62.2	62.2	62.3	62.4	62.6	63.0	63.3
7	700	44.2	54.1	56.2	57.7	60.2	60.4	61.9	62.1	62.4	62.4	62.6	62.7	62.8	63.2	63.6
6	600	50.7	56.5	58.4	59.9	62.4	62.7	64.3	64.6	64.9	64.9	65.1	65.1	65.2	65.7	66.1
5	500	46.1	56.7	58.6	60.0	62.5	63.2	64.9	65.1	65.4	65.4	65.6	65.7	65.8	66.2	66.6
4	400	57.8	57.6	59.7	61.2	64.1	64.4	66.1	66.3	67.0	67.0	67.1	67.2	67.3	67.8	68.1
3	300	51.9	58.6	60.9	62.4	65.4	65.6	67.4	68.0	68.3	68.3	68.4	68.6	68.7	69.1	69.4
25	2500	52.6	59.7	61.8	63.3	66.3	66.7	68.3	68.9	69.2	69.2	69.3	69.4	69.6	70.0	70.3
2	2000	55.3	62.7	64.8	66.3	69.4	69.9	71.6	72.1	72.4	72.4	72.6	72.7	72.8	73.2	73.6
15	1500	55.4	62.9	65.1	66.7	69.8	70.2	71.9	72.4	72.8	72.8	72.9	73.0	73.1	73.6	73.9
10	1000	56.9	65.3	67.6	69.3	72.4	72.9	74.7	75.2	75.6	75.6	75.7	75.8	75.9	76.3	76.7
9	900	57.4	66.4	68.9	71.1	74.3	74.8	76.6	77.1	77.4	77.4	77.6	77.7	77.8	78.2	78.6
8	800	57.9	67.3	69.9	72.3	75.7	76.2	78.1	78.7	79.0	79.0	79.1	79.2	79.3	79.8	80.2
7	700	58.0	67.4	70.1	72.6	76.1	76.7	78.6	79.1	79.4	79.4	79.6	79.7	79.8	80.2	80.6
6	600	58.7	68.4	71.2	73.8	77.3	77.9	79.8	80.3	80.7	80.7	80.8	80.9	81.0	81.4	81.8
5	500	59.1	69.3	72.1	74.7	78.7	79.2	81.1	81.7	82.0	82.0	82.1	82.2	82.3	82.8	83.1
4	400	59.2	69.4	72.2	74.8	79.1	79.7	81.6	82.1	82.4	82.4	82.6	82.7	82.8	83.2	83.6
3	300	59.4	70.0	72.9	75.4	80.0	80.6	82.6	83.2	83.6	83.6	83.7	83.8	83.9	84.3	84.7
25	250	59.6	70.3	73.3	76.0	80.6	81.2	83.2	83.7	84.3	84.3	84.4	84.7	84.8	84.9	85.0
2	200	59.8	70.6	74.3	77.1	82.4	83.2	85.2	85.8	86.4	86.4	86.6	86.9	87.0	87.1	87.6
15	150	59.9	70.8	74.4	77.3	82.6	83.3	86.2	87.0	87.3	87.3	87.4	87.6	87.7	87.7	88.2
1	100	59.8	71.4	75.7	79.4	84.6	85.3	88.3	89.2	89.6	89.6	89.9	90.0	90.1	90.1	90.7
0	000	59.9	71.6	76.1	80.4	85.9	86.7	90.2	91.1	91.6	91.6	91.9	92.0	92.2	92.2	93.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

SPECIAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 7	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	39.3	43.9	45.2	46.9	47.9	48.0	49.0	49.2	49.3	49.6	49.8	49.8	50.1	50.1	50.1	50.6
GE 20000	42.6	48.3	49.7	51.7	52.8	52.9	54.0	54.3	54.6	54.9	55.1	55.1	55.4	55.4	55.4	55.9
GE 18000	42.9	48.8	50.1	52.1	53.2	53.3	54.4	54.8	55.0	55.3	55.6	55.6	55.9	55.9	55.9	56.3
GE 16000	42.9	48.8	50.1	52.1	53.2	53.3	54.4	54.8	55.0	55.3	55.6	55.6	55.9	55.9	55.9	56.3
GE 14000	44.7	51.0	52.3	54.3	55.4	55.6	56.7	57.0	57.2	57.6	57.8	57.8	58.1	58.1	58.1	58.6
GE 12000	46.0	52.3	53.7	55.7	56.9	57.0	58.1	58.4	58.7	59.0	59.2	59.2	59.6	59.6	59.6	60.0
GE 10000	48.6	55.4	56.9	59.1	60.6	60.7	61.8	62.2	62.4	62.6	63.0	63.0	63.3	63.3	63.3	63.8
GE 9000	48.6	55.4	56.9	59.1	60.6	60.7	61.8	62.2	62.4	62.6	63.0	63.0	63.3	63.3	63.3	63.8
GE 8000	50.7	58.1	59.6	62.1	63.7	63.8	65.1	65.6	65.8	66.1	66.3	66.3	66.8	66.8	66.8	67.2
GE 7000	51.1	58.6	60.2	62.7	64.2	64.3	65.8	66.2	66.4	66.6	67.0	67.0	67.4	67.4	67.4	67.9
GE 6000	51.4	59.1	60.8	63.2	65.0	65.1	66.6	67.0	67.2	67.6	67.8	67.8	68.2	68.2	68.2	68.7
GE 5000	52.2	60.2	61.9	64.4	66.3	66.4	68.1	68.6	68.8	69.1	69.3	69.3	69.8	69.8	69.8	70.2
GE 4500	53.1	61.4	63.1	65.7	67.8	67.9	69.6	70.0	70.2	70.6	70.8	70.8	71.2	71.2	71.2	71.7
GE 4000	54.2	62.8	64.6	67.1	69.2	69.3	71.1	71.6	71.8	72.1	72.3	72.3	72.8	72.8	72.9	73.3
GE 3500	54.3	63.0	64.8	67.3	69.4	69.6	71.3	71.9	72.1	72.4	72.7	72.7	73.1	73.1	73.2	73.7
GE 3000	54.6	63.4	65.2	67.9	70.2	70.3	72.3	72.9	73.1	73.4	73.7	73.7	74.1	74.1	74.2	74.7
GE 2500	55.1	64.4	66.4	69.2	71.6	71.6	73.9	74.6	74.8	75.1	75.3	75.3	75.8	75.8	75.9	76.3
GE 2000	56.1	66.2	68.4	71.3	73.7	74.1	76.2	76.9	77.1	77.4	77.7	77.7	78.1	78.1	78.2	78.7
GE 1800	56.3	66.6	68.8	71.7	74.0	74.4	76.6	77.2	77.4	77.6	78.0	78.0	78.4	78.4	78.6	79.0
GE 1500	56.9	67.4	69.9	72.8	75.2	75.8	77.9	78.6	78.8	79.1	79.3	79.3	79.8	79.8	79.9	80.3
GE 1200	57.0	68.1	71.0	73.9	76.3	76.9	79.0	79.7	79.9	80.2	80.4	80.4	80.9	80.9	81.0	81.4
GE 1000	57.0	68.7	71.9	74.9	77.3	77.9	80.0	80.7	80.9	81.2	81.4	81.4	81.9	81.9	82.0	82.4
GE 900	57.2	69.7	73.0	76.0	78.4	79.0	81.3	82.0	82.2	82.6	82.8	82.8	83.2	83.2	83.3	83.8
GE 800	57.4	70.0	73.3	76.4	78.9	79.4	81.9	82.6	82.8	83.1	83.3	83.3	83.8	83.8	84.0	84.4
GE 700	57.7	70.4	74.2	77.9	80.8	81.3	83.8	84.4	84.7	85.0	85.2	85.2	85.7	85.7	85.9	86.3
GE 600	57.8	70.7	74.6	78.6	81.6	82.2	84.8	85.6	86.0	86.4	86.7	86.7	87.1	87.1	87.3	87.9
GE 500	57.8	71.2	75.7	79.7	83.1	84.1	87.0	88.3	88.6	89.6	89.8	89.8	90.2	90.2	90.4	91.0
GE 400	57.9	71.4	76.2	80.6	84.2	85.3	88.3	90.3	90.8	91.9	92.1	92.1	92.6	92.6	92.8	93.3
GE 300	57.9	71.4	76.2	80.9	84.9	86.2	89.4	91.6	92.3	93.6	94.1	94.1	94.9	94.9	95.1	95.7
GE 200	57.9	71.4	76.2	80.9	84.9	86.3	89.6	92.0	92.8	94.3	95.4	95.4	96.4	96.4	97.1	97.9
GE 100	57.9	71.4	76.2	80.9	84.9	86.3	89.6	92.1	92.9	94.4	96.0	96.0	97.2	97.3	98.0	99.4
GE 0	57.9	71.4	76.2	80.9	84.9	86.3	89.6	92.1	92.9	94.4	96.0	96.0	97.2	97.3	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 3/4	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	48.0	49.6	50.3	50.9	51.2	51.4	51.4	51.6	51.6	51.6	51.8	51.8	51.8	51.8	51.8	51.8
GE 25000	47.7	55.6	56.2	57.1	57.5	57.7	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 18000	47.7	55.6	56.2	57.1	57.4	57.7	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 10000	47.7	55.6	56.2	57.1	57.6	57.7	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 14500	49.9	57.9	58.6	59.4	59.9	60.0	60.1	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 1500	51.3	59.4	60.3	61.2	61.7	61.8	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 10000	53.1	61.6	62.6	63.6	64.1	64.1	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 9000	53.1	61.6	62.6	63.6	64.1	64.1	64.3	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 8000	55.2	63.8	64.8	65.8	66.2	66.2	66.4	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 7000	55.2	63.8	64.8	65.8	66.2	66.2	66.4	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 6000	55.9	64.2	65.2	66.2	66.7	66.7	66.9	67.8	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0
GE 5000	56.8	65.6	67.3	68.6	69.1	69.1	69.3	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 4500	57.1	66.2	67.9	69.2	69.7	69.8	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 4000	58.3	67.4	69.1	70.2	70.7	70.8	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 3500	58.9	67.9	69.4	70.7	71.1	71.2	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 3000	60.1	69.7	71.4	72.6	73.0	73.1	73.5	74.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3
GE 2500	61.7	71.4	73.1	74.7	75.1	75.2	75.7	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2
GE 2000	63.4	74.0	76.0	77.6	78.0	78.1	78.7	79.1	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7
GE 1500	63.6	74.9	76.9	78.3	79.0	79.1	79.6	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 1000	64.1	75.7	77.9	79.3	80.0	80.1	80.5	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 900	64.1	75.7	77.9	79.3	80.0	80.1	80.5	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 800	64.1	75.7	77.9	79.3	80.0	80.1	80.5	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 700	64.1	75.7	77.9	79.3	80.0	80.1	80.5	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 600	64.1	75.7	77.9	79.3	80.0	80.1	80.5	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 500	64.1	75.7	77.9	79.3	80.0	80.1	80.5	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 400	64.1	75.7	77.9	79.3	80.0	80.1	80.5	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 300	64.1	75.7	77.9	79.3	80.0	80.1	80.5	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 200	64.1	75.7	77.9	79.3	80.0	80.1	80.5	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 100	64.1	75.7	77.9	79.3	80.0	80.1	80.5	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 0	64.1	75.7	77.9	79.3	80.0	80.1	80.5	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4

TOTAL NUMBER OF OBSERVATIONS: 1...

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725090 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 7	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.2	53.0	57.0	53.9	54.7	54.7	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 25000	51.0	60.6	61.9	61.4	62.7	62.8	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 18000	52.1	60.2	61.1	61.7	62.0	62.0	62.0	63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2
GE 10000	52.1	60.2	61.1	61.7	62.0	62.0	62.0	63.0	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2
GE 7000	54.2	62.4	63.3	63.9	64.2	64.2	64.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 5000	56.6	63.9	64.7	65.3	65.6	66.4	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 3000	57.8	65.6	67.0	66.4	67.7	67.8	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 2000	58.6	65.8	67.2	66.4	67.7	67.8	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 1500	57.7	66.1	67.1	67.7	68.0	68.0	68.9	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 1000	57.9	66.2	67.2	67.8	68.1	68.2	69.1	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 600	58.7	67.2	68.3	68.9	69.2	70.1	70.2	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 500	59.9	69.0	70.2	70.9	71.2	72.1	72.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 400	59.9	69.1	70.4	71.2	71.5	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GE 300	61.2	70.6	71.9	72.4	72.8	73.7	73.9	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 200	61.7	70.7	72.0	72.6	73.0	73.9	73.9	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GE 100	62.2	72.1	73.6	74.2	74.6	75.3	75.4	75.6	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 0	64.2	74.2	75.7	76.2	77.2	77.6	77.7	78.2	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 0	65.5	77.1	78.6	79.1	80.2	80.4	80.9	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 0	66.4	77.7	79.2	79.8	80.7	81.1	81.4	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 0	67.6	79.6	81.4	82.1	83.2	83.6	84.2	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 0	68.9	82.2	84.2	85.0	86.4	86.7	87.1	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 0	69.4	83.5	85.6	86.3	87.7	88.0	88.5	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 0	69.4	83.9	86.0	86.8	88.1	88.5	89.0	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GE 0	69.6	84.0	86.2	87.0	88.3	88.7	89.2	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 0	69.6	85.4	88.0	88.9	90.2	90.7	91.3	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 0	69.7	86.1	88.7	89.6	91.0	91.4	92.1	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 0	69.7	86.3	89.0	89.9	91.3	91.7	92.4	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 0	69.7	86.3	89.0	91.0	94.1	95.0	95.7	96.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2
GE 0	69.7	86.4	89.4	91.2	94.0	94.3	95.0	97.0	97.0	97.0	97.6	97.6	97.7	97.7	97.7	97.7
GE 0	69.7	86.4	89.4	91.2	94.0	94.3	95.0	97.0	97.0	97.0	99.0	99.0	99.1	99.1	99.1	99.1
GE 0	69.7	86.4	89.4	91.2	94.0	94.3	95.0	97.0	97.0	97.0	99.0	99.0	99.6	99.6	99.9	100.0
GE 0	69.7	86.4	89.4	91.2	94.0	94.3	95.0	97.0	97.0	97.0	99.0	99.0	99.6	99.6	99.9	100.0
TOTAL	69.7	86.4	89.6	91.2	94.1	94.5	95.2	97.0	97.2	97.2	99.0	99.0	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

GLOBAL CLIMATOLOGY BRANCH — CUMULATIVE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC — (FROM HOURLY OBSERVATIONS)
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725087 STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: SEP HOUR (LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	0	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/2	3	4	5	6	7	8
NO CEIL	42.4	48.9	49.4	50.2	51.1	51.2	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
25000	57.2	57.4	58.0	59.6	60.7	61.0	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
18000	57.6	57.9	59.1	60.0	61.1	61.4	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
16000	57.6	57.9	59.1	60.0	61.1	61.4	61.6	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
14000	57.9	58.4	61.0	62.0	63.7	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
12000	58.9	61.0	62.7	63.7	64.9	65.2	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
10000	59.0	63.6	65.1	66.1	67.3	67.7	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
9000	59.0	63.6	65.1	66.1	67.3	67.7	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
8000	59.7	66.4	67.8	69.0	70.1	70.6	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
7000	59.7	67.6	68.7	70.1	71.2	71.7	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
6000	60.0	68.1	69.4	70.8	71.9	72.3	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
5000	61.1	69.1	70.9	72.2	73.3	73.8	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
4500	61.4	69.6	71.4	72.9	74.1	74.4	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
4000	62.3	71.0	73.4	75.1	76.2	76.6	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
3500	64.4	73.0	74.7	76.3	77.4	78.0	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
3000	65.3	74.4	76.1	77.9	79.1	79.7	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
2500	66.1	75.8	77.7	79.7	81.2	81.8	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
2000	66.3	77.1	79.2	81.2	82.9	83.4	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
1800	66.9	77.3	79.4	81.4	83.1	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
1500	68.2	79.2	81.1	83.3	84.9	85.3	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
1200	69.2	80.3	82.7	84.9	86.6	87.0	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
1000	69.2	80.6	82.9	85.1	86.7	87.1	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
900	69.2	81.2	83.7	86.0	87.8	88.1	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
800	69.4	82.1	84.4	87.0	89.4	90.0	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
700	69.6	82.7	85.2	88.0	90.7	91.4	91.8	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
600	69.7	83.2	86.1	89.2	92.0	92.9	93.7	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6
500	69.7	83.3	86.4	89.6	92.4	93.4	94.4	95.2	95.6	96.1	96.3	96.3	96.3	96.3	96.3	96.3
400	69.7	83.5	86.8	90.0	92.9	93.9	95.0	96.0	96.4	97.2	97.5	97.6	97.6	97.6	97.6	97.6
300	69.7	83.4	87.0	90.2	93.1	94.1	95.2	96.2	96.7	97.8	98.2	98.6	99.0	99.1	99.1	99.1
200	69.7	83.4	87.0	90.2	93.1	94.2	95.4	96.5	96.8	97.9	98.3	99.1	99.6	99.8	99.8	99.8
100	69.7	83.4	87.0	90.2	93.1	94.2	95.4	96.5	96.8	97.9	98.3	99.1	99.6	99.8	99.8	99.9
0	69.7	83.4	87.0	90.2	93.1	94.2	95.4	96.5	96.8	97.9	98.3	99.1	99.6	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS :

GLOBAL CLIMATOLOGY BRANCH — CUMULATIVE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
STARTAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725090 STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	47.1	48.2	50.2	51.7	52.2	52.4	52.6	53.0	53.2	53.6	53.8	53.8	53.8	53.8	53.8	53.8
GE 30000	47.9	53.3	56.7	57.9	58.9	59.2	60.1	60.2	60.2	60.2	60.2	60.2	60.3	60.3	60.3	60.3
GE 18000	48.6	54.2	57.2	58.7	59.7	60.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 16000	48.6	54.2	57.2	58.7	59.7	60.0	61.0	61.2	61.2	61.2	61.2	61.2	61.1	61.1	61.1	61.1
GE 14000	49.8	55.7	59.2	60.7	61.7	62.0	63.1	63.2	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3
GE 12000	51.4	57.3	60.7	62.3	63.3	63.7	64.8	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1
GE 10000	52.1	58.1	61.6	63.2	64.2	64.7	65.8	66.3	66.6	66.6	66.6	66.6	66.7	66.7	66.7	66.7
GE 9000	52.3	58.3	61.7	63.4	64.4	64.9	65.2	66.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9	66.9
GE 8000	53.1	61.4	64.5	66.2	67.4	67.8	68.6	70.1	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4
GE 7000	56.3	62.7	66.1	68.1	69.2	69.7	70.6	71.3	71.6	71.6	71.6	71.6	71.7	71.7	71.7	71.7
GE 6000	56.6	62.9	66.4	68.4	69.5	70.0	70.3	71.7	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0
GE 5000	57.9	64.7	68.4	70.4	72.1	72.6	73.7	74.3	74.4	74.4	74.4	74.4	74.6	74.6	74.6	74.6
GE 4500	58.2	65.2	69.2	71.4	73.0	73.6	73.7	75.2	75.4	75.4	75.4	75.4	75.6	75.6	75.6	75.6
GE 4000	59.2	66.7	71.0	73.3	75.1	75.8	77.2	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7
GE 3500	59.8	67.4	71.5	74.2	75.9	76.6	78.2	78.4	78.4	78.4	78.4	78.4	78.6	78.6	78.6	78.6
GE 3000	61.6	69.6	74.2	76.6	78.4	79.2	80.8	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1
GE 2500	62.1	70.3	75.2	77.6	79.6	80.3	81.9	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.2
GE 2000	62.9	71.4	76.2	78.7	80.5	81.2	83.0	83.5	83.6	83.6	83.8	83.8	83.9	83.9	83.9	83.9
GE 1800	63.1	71.6	76.7	79.1	81.1	82.1	84.0	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3	84.3
GE 1500	64.4	73.6	79.0	81.4	83.2	84.4	86.2	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7
GE 1200	65.1	74.9	80.2	82.9	85.2	86.6	87.9	88.1	88.1	88.1	88.1	88.1	88.2	88.2	88.2	88.2
GE 1000	65.1	75.2	80.6	83.3	86.1	86.6	88.7	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0
GE 900	65.3	75.4	81.1	83.7	86.7	87.2	89.1	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4
GE 800	65.4	76.6	81.9	84.6	87.3	88.2	91.2	90.4	90.6	90.6	90.7	90.7	90.8	90.8	90.8	90.8
GE 700	65.7	76.2	82.2	85.0	87.7	88.7	90.9	91.2	91.3	91.3	91.4	91.4	91.6	91.6	91.6	91.6
GE 600	65.8	76.9	82.9	85.6	88.6	89.4	92.0	92.6	92.7	92.7	92.8	92.8	92.9	92.9	92.9	92.9
GE 500	65.9	77.1	83.5	86.4	89.2	91.0	94.2	94.7	94.8	94.8	94.9	94.9	95.0	95.0	95.0	95.0
GE 400	65.9	77.1	83.7	86.6	90.1	91.3	94.6	95.2	95.3	95.4	95.6	95.6	95.7	95.7	95.7	95.7
GE 300	65.9	77.1	84.1	86.9	90.7	92.1	95.4	96.0	96.4	96.6	97.2	97.2	97.3	97.3	97.6	97.6
GE 200	65.9	77.1	84.1	86.9	90.7	92.1	95.4	96.2	96.4	97.1	97.8	97.8	98.1	98.1	98.6	98.8
GE 100	65.9	77.1	84.1	86.9	90.7	92.1	95.4	96.2	96.4	97.3	98.1	98.1	98.8	98.8	99.3	99.7
GE 0	65.9	77.1	84.1	86.9	90.7	92.1	95.4	96.2	96.4	97.3	98.1	98.1	98.8	98.8	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 460

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
STARTAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 7	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	49.2	50.9	53.4	55.1	56.6	56.6	56.6	56.6	56.8	56.9	56.9	56.9	57.1	57.1	57.3	57.6
GE 20000	48.7	54.7	57.3	59.0	61.1	61.1	61.3	61.3	61.3	61.4	61.4	61.4	61.7	61.7	61.9	62.1
GE 18000	49.8	54.8	57.4	59.7	61.2	61.2	61.4	61.4	61.4	61.6	61.6	61.6	61.8	61.8	62.0	62.2
GE 16000	49.8	54.8	57.4	59.7	61.2	61.2	61.4	61.4	61.4	61.6	61.6	61.6	61.8	61.8	62.0	62.2
GE 14000	49.8	56.0	58.5	61.2	62.8	62.8	63.0	63.0	63.0	63.1	63.1	63.1	63.3	63.3	63.6	63.8
GE 12000	50.8	57.2	60.2	62.6	64.1	64.1	64.3	64.3	64.3	64.4	64.4	64.4	64.7	64.7	64.9	65.1
GE 10000	51.7	58.1	61.3	63.8	65.3	65.3	65.7	65.7	65.7	65.8	65.8	65.8	66.0	66.0	66.2	66.4
GE 9000	52.1	58.6	61.8	64.2	65.8	65.8	66.1	66.1	66.1	66.2	66.2	66.2	66.4	66.4	66.7	66.9
GE 8000	55.0	62.0	65.2	67.7	69.7	69.7	70.1	70.2	70.2	70.3	70.3	70.3	70.6	70.6	70.8	71.0
GE 7000	56.3	63.3	66.6	69.1	71.1	71.1	71.6	71.7	71.7	71.8	71.8	71.8	72.0	72.0	72.3	72.6
GE 6000	56.4	63.6	67.0	69.6	71.6	71.6	72.0	72.1	72.1	72.2	72.2	72.2	72.4	72.4	72.8	73.0
GE 5000	57.3	64.8	68.3	70.9	73.1	73.1	73.7	73.8	73.8	73.9	73.9	73.9	74.1	74.1	74.4	74.7
GE 4500	58.6	66.2	70.0	72.8	75.0	75.0	75.6	75.7	75.7	75.8	75.8	75.8	76.0	76.0	76.3	76.6
GE 4000	59.6	68.0	72.0	75.0	77.3	77.3	77.9	78.0	78.0	78.1	78.1	78.1	78.3	78.3	78.7	78.9
GE 3500	59.8	68.3	72.4	75.4	77.8	77.8	78.3	78.4	78.4	78.6	78.6	78.6	78.8	78.8	79.1	79.3
GE 3000	60.4	69.7	73.8	77.1	79.6	79.6	80.1	80.2	80.2	80.3	80.3	80.3	80.6	80.6	80.9	81.1
GE 2500	61.0	70.3	74.4	77.9	80.3	80.4	81.1	81.2	81.2	81.3	81.3	81.3	81.6	81.6	81.9	82.1
GE 2000	61.3	70.7	75.2	78.9	81.4	81.6	82.3	82.4	82.4	82.6	82.6	82.6	82.8	82.8	83.1	83.3
GE 1800	61.7	71.1	75.7	79.3	81.9	82.0	82.8	82.9	82.9	83.0	83.0	83.0	83.2	83.2	83.6	83.8
GE 1500	62.0	72.0	77.1	81.2	83.8	83.9	84.8	84.9	84.9	85.0	85.0	85.0	85.2	85.2	85.6	85.8
GE 1200	62.6	72.8	78.0	82.1	84.9	84.9	85.9	86.0	86.0	86.1	86.1	86.1	86.3	86.3	86.7	86.9
GE 1000	63.1	73.6	78.8	83.0	85.7	85.8	86.8	86.9	86.9	87.1	87.1	87.1	87.3	87.3	87.7	87.9
GE 900	63.1	73.8	79.0	83.3	86.1	86.2	87.2	87.3	87.3	87.6	87.6	87.6	87.8	87.8	88.1	88.3
GE 800	63.3	74.2	79.7	84.0	86.8	86.9	87.9	88.0	88.0	88.2	88.2	88.2	88.4	88.4	88.8	89.0
GE 700	64.0	75.0	80.4	85.0	87.8	87.9	88.9	89.0	89.0	89.2	89.2	89.2	89.4	89.4	89.8	90.0
GE 600	64.2	75.3	80.8	85.3	88.1	88.2	89.3	89.6	89.6	89.8	89.8	89.8	90.0	90.0	90.3	90.6
GE 500	64.3	75.4	81.6	86.7	89.9	90.0	91.1	91.4	91.4	91.7	91.7	91.7	91.9	91.9	92.2	92.4
GE 400	64.3	75.4	81.7	87.1	90.7	90.8	92.6	93.2	93.2	93.6	93.6	93.6	93.8	93.8	94.2	94.4
GE 300	64.3	75.4	81.8	87.4	91.4	91.7	93.8	94.4	94.4	95.1	95.7	95.7	95.9	95.9	96.3	96.6
GE 200	64.3	75.4	81.8	87.6	91.8	92.0	94.3	95.2	95.2	96.1	96.8	96.8	97.2	97.3	98.0	98.3
GE 100	64.3	75.4	81.8	87.6	91.8	92.0	94.3	95.2	95.2	96.3	97.1	97.2	97.9	98.0	98.8	99.6
GE 0	64.3	75.4	81.8	87.6	91.8	92.0	94.3	95.2	95.2	96.3	97.1	97.2	97.9	98.0	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 903

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: SEP HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	43.2	48.9	50.3	51.4	52.6	52.7	53.1	53.3	53.4	53.4	53.5	53.5	53.6	53.6	53.7	53.9
GE 20000	47.4	53.9	55.6	57.6	58.3	58.5	59.0	59.2	59.3	59.4	59.4	59.5	59.6	59.6	59.7	59.8
GE 18000	47.6	54.2	55.9	57.2	58.5	58.7	59.3	59.5	59.6	59.7	59.7	59.7	59.8	59.8	59.9	60.1
GE 16000	47.6	54.2	55.9	57.2	58.5	58.7	59.3	59.5	59.6	59.7	59.7	59.7	59.8	59.8	59.9	60.1
GE 14000	49.1	55.8	57.6	59.0	60.3	60.5	61.1	61.3	61.4	61.4	61.5	61.5	61.6	61.6	61.7	61.9
GE 12000	50.2	57.1	58.9	60.3	61.6	61.8	62.4	62.6	62.7	62.8	62.8	62.9	63.0	63.0	63.1	63.3
GE 10000	52.0	59.1	61.1	62.6	64.0	64.2	64.8	65.1	65.2	65.2	65.3	65.3	65.4	65.4	65.5	65.7
GE 9000	52.1	59.3	61.3	62.7	64.1	64.3	65.0	65.2	65.3	65.4	65.4	65.4	65.6	65.6	65.7	65.8
GE 8000	54.3	61.7	63.8	65.4	66.9	67.1	67.8	68.1	68.2	68.3	68.3	68.3	68.5	68.5	68.6	68.7
GE 7000	54.9	62.4	64.5	66.0	67.6	67.8	68.5	68.8	68.9	69.0	69.0	69.0	69.2	69.2	69.3	69.4
GE 6000	55.3	63.0	65.2	66.8	68.4	68.6	69.4	69.7	69.8	69.8	69.9	69.9	70.0	70.0	70.2	70.3
GE 5000	56.3	64.3	66.6	68.3	70.0	70.2	71.0	71.3	71.4	71.5	71.6	71.6	71.7	71.7	71.8	72.0
GE 4500	56.9	65.0	67.4	69.1	70.9	71.1	71.9	72.2	72.3	72.4	72.4	72.5	72.6	72.6	72.7	72.9
GE 4000	58.4	66.9	69.4	71.2	73.0	73.3	74.1	74.4	74.5	74.6	74.6	74.7	74.8	74.8	74.9	75.1
GE 3500	58.8	67.3	69.8	71.7	73.5	73.8	74.6	74.9	75.0	75.1	75.2	75.2	75.3	75.3	75.4	75.6
GE 3000	59.9	69.0	71.6	73.6	75.5	75.8	76.7	77.0	77.1	77.2	77.2	77.3	77.4	77.4	77.5	77.7
GE 2500	60.8	70.2	72.9	75.0	77.0	77.4	78.3	78.7	78.8	78.8	78.9	78.9	79.0	79.0	79.2	79.3
GE 2000	61.7	71.7	74.6	76.8	78.9	79.3	80.3	80.7	80.8	80.9	80.9	80.9	81.1	81.1	81.2	81.4
GE 1800	61.9	72.0	75.0	77.2	79.3	79.6	80.7	81.1	81.2	81.3	81.3	81.3	81.5	81.5	81.6	81.8
GE 1500	62.7	73.3	76.5	78.6	81.0	81.4	82.5	82.8	82.9	83.0	83.1	83.1	83.2	83.2	83.3	83.5
GE 1200	63.4	74.5	77.6	80.2	82.5	82.9	84.1	84.4	84.6	84.6	84.7	84.7	84.8	84.8	85.0	85.1
GE 1000	63.6	75.2	78.7	81.2	83.7	84.1	85.3	85.6	85.7	85.8	85.9	85.9	86.0	86.0	86.2	86.3
GE 900	63.8	75.6	79.2	81.8	84.4	84.8	86.0	86.4	86.5	86.6	86.7	86.7	86.8	86.8	87.0	87.1
GE 800	64.0	76.2	79.9	82.7	85.3	85.8	87.1	87.6	87.7	87.8	87.8	87.8	88.0	88.0	88.1	88.3
GE 700	64.3	76.8	80.8	83.8	86.7	87.2	88.6	89.1	89.2	89.3	89.4	89.4	89.5	89.5	89.7	89.8
GE 600	64.4	77.2	81.4	84.7	87.7	88.3	89.9	90.5	90.7	90.8	90.9	90.9	91.0	91.0	91.2	91.4
GE 500	64.5	77.6	82.2	85.7	89.0	89.9	91.6	92.5	92.8	93.0	93.1	93.1	93.3	93.3	93.4	93.6
GE 400	64.5	77.7	82.4	86.2	89.8	90.8	92.9	94.0	94.3	94.6	94.9	94.9	95.1	95.1	95.3	95.4
GE 300	64.5	77.7	82.5	86.4	90.2	91.4	93.7	95.0	95.4	96.1	96.4	96.4	96.7	96.7	96.9	97.1
GE 200	64.5	77.7	82.5	86.4	90.3	91.5	94.0	95.5	95.9	96.8	97.4	97.4	97.8	97.8	98.2	98.5
GE 100	64.5	77.7	82.5	86.4	90.3	91.5	94.0	95.5	95.9	97.0	97.7	97.7	98.3	98.3	98.8	99.4
GE 0	64.5	77.7	82.5	86.4	90.3	91.5	94.0	95.5	95.9	97.0	97.7	97.8	98.3	98.3	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 7	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	41.5	48.6	49.5	50.0	50.8	50.8	51.8	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.5	52.6
GE 20000	44.5	51.7	52.7	53.2	54.0	54.0	55.1	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.7	55.8
GE 18000	44.5	51.7	52.7	53.2	54.0	54.0	55.1	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.7	55.8
GE 16000	44.5	51.7	52.7	53.2	54.0	54.0	55.1	55.4	55.4	55.6	55.6	55.6	55.6	55.6	55.7	55.8
GE 14000	45.4	52.8	53.8	54.3	55.1	55.1	56.1	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.8	56.9
GE 12000	45.8	53.5	54.5	55.1	55.9	55.9	57.0	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.6	57.7
GE 10000	47.5	55.9	57.2	57.7	58.6	58.6	59.7	60.1	60.1	60.3	60.3	60.3	60.3	60.3	60.4	60.5
GE 9000	47.5	55.9	57.2	57.7	58.6	58.6	59.7	60.1	60.1	60.3	60.3	60.3	60.3	60.3	60.4	60.5
GE 8000	49.6	58.2	59.6	60.3	61.2	61.2	62.3	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.1	63.2
GE 7000	50.2	59.1	60.5	61.3	62.2	62.2	63.2	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.1	64.2
GE 6000	51.4	61.2	62.7	63.4	64.4	64.4	65.5	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.3	66.5
GE 5000	52.2	62.6	64.3	65.2	66.1	66.1	67.2	67.7	67.7	68.0	68.0	68.0	68.0	68.0	68.1	68.2
GE 4500	53.0	63.4	65.3	66.2	67.2	67.2	68.3	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.1	69.2
GE 4000	54.8	65.6	67.4	68.5	69.5	69.5	70.5	71.1	71.1	71.3	71.3	71.3	71.3	71.3	71.4	71.5
GE 3500	55.2	66.6	68.7	70.0	71.0	71.1	72.2	72.7	72.7	72.9	72.9	72.9	72.9	72.9	73.0	73.1
GE 3000	56.7	68.9	71.6	73.1	74.2	74.5	75.6	76.1	76.1	76.3	76.3	76.3	76.3	76.3	76.5	76.6
GE 2500	59.2	71.9	74.7	76.2	77.3	77.6	78.7	79.2	79.2	79.5	79.5	79.5	79.5	79.5	79.6	79.7
GE 2000	60.0	73.1	76.1	77.7	78.9	79.2	80.3	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.2	81.3
GE 1800	60.0	73.1	76.2	77.8	79.0	79.4	80.4	81.0	81.0	81.2	81.2	81.2	81.2	81.2	81.3	81.4
GE 1500	60.2	73.4	76.7	78.4	79.6	79.9	81.0	81.5	81.5	81.7	81.7	81.7	81.7	81.7	81.8	81.9
GE 1200	60.2	73.9	77.2	78.9	80.2	80.5	81.7	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.6	82.7
GE 1000	60.5	74.2	77.5	79.5	80.8	81.1	82.6	83.4	83.4	83.7	83.7	83.7	83.7	83.7	83.6	83.9
GE 900	60.6	74.6	78.2	80.3	81.6	82.3	83.9	84.7	84.7	84.9	84.9	84.9	84.9	84.9	85.1	85.2
GE 800	60.9	75.2	78.7	81.0	82.6	83.2	84.9	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.1	86.2
GE 700	61.1	75.6	79.2	81.6	83.3	84.0	85.7	86.7	86.7	86.9	86.9	86.9	86.9	86.9	87.0	87.1
GE 600	61.1	75.9	79.7	82.0	84.3	84.9	86.7	87.6	87.6	87.8	87.8	87.8	87.8	87.8	88.0	88.1
GE 500	61.1	76.1	79.9	82.7	85.3	85.9	87.6	88.7	88.7	88.9	88.9	88.9	88.9	88.9	89.0	89.1
GE 400	61.2	76.2	80.0	83.1	86.2	86.9	89.0	90.1	90.1	90.5	90.5	90.5	90.9	90.9	91.0	91.1
GE 300	61.2	77.1	80.9	84.0	87.3	88.4	90.9	91.9	92.0	92.6	92.7	92.7	93.0	93.0	93.3	93.5
GE 200	61.2	77.2	81.0	84.1	87.6	88.7	91.5	92.7	93.5	94.2	94.6	94.6	95.7	95.9	96.6	96.8
GE 100	61.3	77.3	81.1	84.2	87.7	88.8	91.6	92.8	93.7	94.6	95.1	95.1	96.8	97.0	98.2	98.9
GE 0	61.3	77.3	81.1	84.2	87.7	88.8	91.6	92.8	93.7	94.7	95.2	95.2	96.9	97.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0300-0600

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	58.2	44.7	45.3	46.3	48.0	48.0	48.5	48.6	48.6	48.8	49.1	49.1	49.1	49.6	49.6	49.6
GE 20000	40.9	47.5	48.2	49.6	51.1	51.1	51.6	51.7	51.7	51.9	52.3	52.3	52.3	52.7	52.7	52.7
GE 18000	40.9	47.6	48.3	49.9	51.2	51.2	51.7	51.8	51.8	52.0	52.4	52.4	52.4	52.8	52.8	52.8
GE 16000	40.9	47.6	48.3	49.9	51.2	51.2	51.7	51.8	51.8	52.0	52.4	52.4	52.4	52.8	52.8	52.8
GE 14000	42.0	49.2	50.0	51.6	53.0	53.0	53.5	53.7	53.7	53.9	54.2	54.2	54.2	54.6	54.6	54.6
GE 12000	42.0	49.7	50.4	52.0	53.4	53.4	54.0	54.1	54.1	54.3	54.6	54.6	54.6	55.1	55.1	55.1
GE 10000	45.5	53.9	54.7	56.3	57.7	57.7	58.3	58.4	58.4	58.6	58.9	58.9	58.9	59.4	59.4	59.4
GE 9000	45.8	54.2	55.1	56.7	58.1	58.1	58.6	58.7	58.7	58.9	59.2	59.2	59.2	59.7	59.7	59.7
GE 8000	48.4	57.1	58.3	59.9	61.3	61.3	61.8	62.2	62.2	62.5	62.8	62.8	62.8	63.2	63.2	63.2
GE 7000	49.1	58.0	59.1	60.8	62.2	62.2	62.7	63.0	63.0	63.3	63.7	63.7	63.7	64.1	64.1	64.1
GE 6000	50.2	59.6	61.1	62.7	64.1	64.1	64.6	64.9	64.9	65.3	65.7	65.7	65.7	66.1	66.1	66.1
GE 5000	51.5	61.4	62.9	64.5	66.0	66.0	66.6	66.9	66.9	67.3	67.7	67.7	67.8	68.3	68.3	66.3
GE 4500	52.2	62.0	63.5	65.2	66.7	66.7	67.2	67.5	67.5	68.0	68.4	68.4	68.5	68.9	68.9	68.9
GE 4000	53.8	63.7	65.4	67.0	68.7	68.7	69.2	69.6	69.6	70.0	70.4	70.4	70.5	71.0	71.0	71.0
GE 3500	54.7	64.9	66.7	68.4	70.2	70.2	70.8	71.1	71.1	71.5	71.9	71.9	72.0	72.5	72.6	72.6
GE 3000	57.1	68.2	70.1	72.0	74.2	74.2	74.7	75.1	75.1	75.5	75.9	75.9	76.0	76.5	76.6	76.7
GE 2500	58.6	70.1	72.0	74.1	76.2	76.2	76.8	77.1	77.1	77.5	78.0	78.0	78.1	78.5	78.6	78.7
GE 2000	59.6	72.0	74.3	76.3	78.6	78.6	79.1	79.5	79.5	79.9	80.3	80.3	80.4	80.9	81.0	81.1
GE 1800	59.6	72.2	74.4	76.5	78.7	78.7	79.4	79.7	79.7	80.1	80.5	80.5	80.6	81.1	81.2	81.3
GE 1500	60.0	72.7	75.1	77.2	79.7	79.7	80.3	80.6	80.6	81.1	81.5	81.5	81.6	82.0	82.2	82.3
GE 1200	60.4	73.1	75.7	78.0	80.5	80.6	81.3	81.6	81.6	82.0	82.5	82.5	82.6	83.0	83.1	83.2
GE 1000	60.6	73.4	76.0	78.6	81.4	81.6	82.3	82.7	82.7	83.1	83.5	83.5	83.7	84.1	84.2	84.3
GE 900	60.8	73.9	76.5	79.1	82.0	82.3	82.9	83.4	83.4	83.9	84.3	84.3	84.4	84.8	84.9	85.1
GE 800	60.8	74.4	77.0	79.7	82.6	82.8	83.7	84.2	84.2	84.6	85.1	85.1	85.2	85.6	85.7	85.8
GE 700	60.8	74.9	77.7	80.4	83.4	83.7	84.6	85.2	85.2	85.6	86.0	86.0	86.1	86.6	86.7	86.8
GE 600	60.9	75.5	78.5	81.4	84.4	84.6	85.7	86.6	86.6	87.0	87.4	87.4	87.5	88.0	88.1	88.2
GE 500	61.0	75.8	79.1	82.0	85.5	85.7	86.9	87.7	87.7	88.5	88.9	88.9	89.1	89.6	89.7	89.8
GE 400	61.0	75.8	79.2	82.4	86.0	86.3	88.2	89.0	89.1	90.2	90.6	90.6	91.1	91.5	91.6	91.7
GE 300	61.0	75.8	79.5	82.8	87.2	87.5	89.5	90.6	90.8	91.9	92.6	92.6	93.2	93.7	93.8	93.9
GE 200	61.1	76.0	79.7	83.0	87.5	87.8	90.3	91.7	92.3	93.9	94.5	94.5	95.5	95.9	96.3	96.5
GE 100	61.2	76.1	79.8	83.1	87.6	88.0	90.5	91.9	92.5	94.2	94.8	94.8	96.5	96.9	98.4	98.7
GE 0	61.2	76.1	79.8	83.1	87.6	88.0	90.5	91.9	92.5	94.2	94.8	94.8	96.7	97.1	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0600-0800

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	37.9	39.3	41.3	42.1	42.6	43.2	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.1	44.2	
GE 20000	37.1	43.3	45.4	46.5	47.0	47.6	48.3	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.7	48.9
GE 18000	37.4	43.5	45.6	46.7	47.3	47.8	48.5	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.9	49.1
GE 16000	37.4	43.5	45.6	46.7	47.3	47.8	48.5	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.9	49.1
GE 14000	37.7	43.9	46.1	47.4	48.1	48.7	49.5	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.8	50.1
GE 12000	39.9	45.9	48.1	49.6	50.4	50.9	51.8	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.1	52.3
GE 10000	43.4	50.2	52.4	54.0	54.9	55.4	56.3	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.6	56.8
GE 9000	43.4	50.4	52.9	54.5	55.3	55.9	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	57.1	57.3
GE 8000	45.5	53.6	56.2	57.9	58.9	59.4	60.3	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.6	60.8
GE 7000	46.4	54.6	57.2	58.9	60.0	60.5	61.4	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.7	61.9
GE 6000	48.2	56.8	59.4	61.1	62.3	62.9	63.7	63.8	63.8	63.8	63.9	63.9	63.9	63.9	64.0	64.3
GE 5000	49.7	58.9	61.6	63.5	64.8	65.3	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.6	66.8
GE 4500	50.6	59.7	62.4	64.5	65.9	66.3	67.3	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.6	67.8
GE 4000	52.4	61.8	64.6	66.6	68.1	68.7	69.6	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.1	70.3
GE 3500	54.3	64.0	66.8	68.9	70.4	70.9	72.1	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.6	72.8
GE 3000	55.9	66.3	69.3	71.5	73.0	73.5	74.7	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.2	75.6
GE 2500	57.5	68.2	71.3	73.5	75.2	75.8	77.0	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.5	77.8
GE 2000	59.7	71.6	74.6	77.1	79.2	79.9	81.2	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.8	82.1
GE 1800	59.8	71.7	74.7	77.2	79.3	80.1	81.4	81.8	81.8	81.8	81.9	81.9	81.9	81.9	82.0	82.3
GE 1500	60.4	72.6	75.7	78.4	80.5	81.6	82.9	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.5	83.9
GE 1200	60.7	73.2	76.4	79.2	81.6	82.7	84.0	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.6	84.9
GE 1000	60.8	73.6	77.1	79.8	82.5	83.5	84.8	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.6	85.9
GE 900	60.9	73.8	77.3	80.1	82.8	83.9	85.1	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.9	86.2
GE 800	60.9	74.1	77.5	80.3	83.1	84.2	85.6	86.1	86.1	86.2	86.3	86.3	86.3	86.3	86.4	86.8
GE 700	61.0	74.3	77.7	80.6	83.5	84.6	86.0	86.8	86.8	87.1	87.2	87.2	87.2	87.2	87.3	87.6
GE 600	61.0	74.6	78.0	80.9	84.5	85.7	87.1	87.9	87.9	88.4	88.7	88.7	88.7	88.7	88.8	89.1
GE 500	61.0	74.8	78.5	81.4	85.1	86.4	88.5	89.5	89.5	90.0	90.3	90.3	90.3	90.3	90.4	90.7
GE 400	61.0	74.9	78.7	81.7	85.6	87.1	89.7	91.2	91.3	91.8	92.1	92.1	92.1	92.1	92.2	92.6
GE 300	61.0	74.9	78.8	81.8	85.9	87.5	90.4	93.1	93.4	94.2	94.8	94.8	95.0	95.0	95.2	95.5
GE 200	61.0	74.9	78.8	81.8	85.9	87.5	90.4	93.3	93.9	94.9	95.8	96.0	96.6	96.6	96.9	97.2
GE 100	61.0	74.9	78.8	81.8	85.9	87.5	90.4	93.3	93.9	94.9	96.0	96.2	97.0	97.0	97.8	99.1
GE 0	61.0	74.9	78.8	81.8	85.9	87.5	90.4	93.3	93.9	94.9	96.0	96.2	97.0	97.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	41.0	45.7	46.5	46.6	46.9	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 20000	44.3	49.4	50.1	50.2	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
GE 18000	44.6	49.7	50.4	50.5	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 16000	44.6	49.7	50.4	50.5	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 14000	45.7	51.6	51.7	51.8	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 12000	46.2	52.6	53.3	53.4	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 10000	50.3	56.8	57.6	57.7	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 9000	50.3	56.8	57.6	57.7	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 8000	53.1	60.0	60.9	61.0	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 7000	53.5	60.6	61.6	61.7	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 6000	54.4	61.7	62.6	62.7	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 5000	56.1	63.6	64.7	64.8	65.7	65.7	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 4500	56.1	64.1	65.1	65.2	66.0	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 4000	57.7	66.1	67.1	67.3	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 3500	61.2	69.7	70.6	70.9	71.7	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 3000	63.7	73.1	74.4	74.6	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 2500	66.3	76.0	77.3	77.6	78.6	78.6	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 2000	67.4	77.5	78.9	79.2	80.3	80.4	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 1800	67.6	77.7	79.2	79.6	80.6	80.8	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 1500	68.6	79.5	81.1	81.5	82.8	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 1200	69.5	81.0	82.7	83.2	84.6	84.8	84.8	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 1000	69.8	81.7	83.5	84.2	85.6	85.8	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 900	69.9	81.8	83.9	84.5	85.9	86.2	86.3	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8
GE 800	69.9	82.5	84.7	85.4	87.3	87.6	87.7	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2
GE 700	70.1	82.9	85.4	86.0	88.2	88.6	88.8	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4
GE 600	70.1	83.1	85.6	86.3	88.6	89.1	89.8	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4
GE 500	70.2	83.4	86.1	87.1	89.8	90.8	92.3	93.2	93.3	93.4	93.5	93.5	93.5	93.5	93.5	93.5
GE 400	70.2	83.5	86.2	87.3	90.8	92.6	94.0	95.5	95.7	95.8	96.0	96.0	96.0	96.0	96.0	96.0
GE 300	70.2	83.5	86.3	87.5	91.3	92.8	94.8	96.3	96.7	96.8	97.4	97.4	97.5	97.5	97.6	97.6
GE 200	70.2	83.5	86.3	87.5	91.4	92.9	94.9	96.5	97.0	97.3	98.3	98.3	98.6	98.6	98.7	98.7
GE 100	70.2	83.5	86.3	87.5	91.4	92.9	95.1	96.6	97.1	97.6	98.7	98.7	99.2	99.4	99.8	99.9
GE 0	70.2	83.5	86.3	87.5	91.4	92.9	95.1	96.6	97.1	97.6	98.7	98.7	99.2	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH — CEILING FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS
USAFETAC
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725088 STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	43.5	47.1	47.6	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 20000	47.6	51.6	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 18000	47.7	51.7	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 16000	47.7	51.7	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 14000	48.6	53.6	53.9	53.7	53.8	53.8	53.9	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 12000	49.4	54.4	54.9	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
GE 10000	53.4	58.7	59.2	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 9000	53.7	58.9	59.5	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 8000	54.9	60.5	61.1	61.5	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 7000	55.3	61.3	61.9	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 6000	55.6	61.7	62.4	63.0	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 5000	57.8	64.2	64.8	65.5	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 4500	58.7	65.5	66.1	66.8	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 4000	60.3	67.4	68.1	68.7	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 3500	63.9	71.6	71.6	72.3	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 3000	67.5	75.5	76.3	77.0	77.5	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 2500	69.2	77.5	78.4	79.1	79.7	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9
GE 2000	70.6	79.4	80.2	81.1	81.6	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 1800	71.0	79.8	80.6	81.5	82.0	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 1500	72.3	82.3	83.1	84.1	84.6	84.7	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 1200	73.2	83.8	84.6	85.6	86.3	86.6	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1000	73.4	84.3	85.5	86.5	87.0	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GE 900	73.5	84.5	85.9	86.9	87.4	87.6	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 800	73.9	85.2	86.6	88.0	88.9	89.2	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 700	74.1	85.7	87.7	89.1	90.4	90.8	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 600	74.1	86.0	88.2	89.7	91.3	91.8	92.5	92.7	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0
GE 500	74.1	86.3	88.5	90.6	91.8	92.4	93.7	94.5	94.5	94.7	94.9	94.9	94.9	94.9	94.9	94.9
GE 400	74.1	86.3	88.7	90.5	92.8	93.3	94.7	96.0	96.1	96.3	96.6	96.6	96.7	96.7	96.7	96.7
GE 300	74.1	86.5	88.8	90.9	93.1	93.9	95.4	96.9	97.1	97.8	98.1	98.1	98.2	98.2	98.2	98.2
GE 200	74.1	86.5	88.8	90.9	93.1	93.9	95.4	96.9	97.2	98.2	98.4	98.4	98.8	98.8	98.9	98.9
GE 100	74.1	86.5	88.8	90.9	93.1	93.9	95.4	97.0	97.3	98.5	98.7	98.7	99.4	99.4	99.6	99.7
GE 0	74.1	86.5	88.8	90.9	93.1	93.9	95.4	97.0	97.3	98.5	98.7	98.7	99.5	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 10	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/8	GE 3/4	GE 5/8	GE 1/2	GE 7/16	GE 1/4	GE 0
NO CEIL	45.2	48.3	49.6	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 20000	49.7	51.4	52.8	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
GE 18000	48.0	51.4	52.8	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
GE 16000	48.0	51.4	52.8	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
GE 14000	49.0	52.6	54.4	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 12000	49.5	53.7	55.3	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 10000	51.6	56.5	58.1	58.6	58.6	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 9000	51.9	56.8	58.5	59.0	59.0	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 8000	52.5	58.0	61.0	61.7	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 7000	54.0	59.4	61.6	62.4	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 6000	54.9	60.8	63.0	64.0	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 5000	56.3	62.6	64.8	65.6	66.0	66.2	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 4500	57.8	64.3	66.6	67.5	67.7	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 4000	59.5	66.2	69.2	70.2	70.5	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 3500	61.6	69.2	71.6	72.6	72.9	73.1	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 3000	63.9	72.4	75.1	76.2	76.6	76.8	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GE 2500	65.9	74.7	77.6	78.8	79.4	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 2000	66.3	76.0	79.1	80.3	80.9	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 1800	66.7	76.3	79.5	80.9	81.2	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 1500	66.7	76.7	80.0	81.3	81.7	82.0	82.4	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 1200	67.1	76.9	80.2	81.5	82.0	82.2	82.6	82.9	83.3	83.5	83.7	83.7	83.7	83.7	83.7	83.7
GE 1000	67.5	79.5	83.1	84.3	84.8	85.0	85.4	85.6	86.0	86.2	86.4	86.4	86.4	86.4	86.4	86.4
GE 900	67.6	79.7	83.3	84.6	85.0	85.2	85.6	85.8	86.2	86.4	86.6	86.6	86.6	86.6	86.6	86.6
GE 800	67.8	80.1	84.0	85.4	85.8	86.0	86.3	86.5	86.9	87.1	87.3	87.3	87.3	87.3	87.3	87.3
GE 700	68.2	81.0	85.4	87.0	87.4	87.6	87.9	88.1	88.5	88.7	88.9	88.9	88.9	88.9	88.9	88.9
GE 600	68.2	81.1	85.7	87.4	87.8	88.0	88.3	88.5	88.9	89.1	89.3	89.3	89.3	89.3	89.3	89.3
GE 500	68.2	81.1	85.8	87.6	88.0	88.2	88.5	88.7	89.1	89.3	89.5	89.5	89.5	89.5	89.5	89.5
GE 400	68.2	81.1	85.8	87.6	88.0	88.2	88.5	88.7	89.1	89.3	89.5	89.5	89.5	89.5	89.5	89.5
GE 300	68.2	81.1	85.8	87.6	88.0	88.2	88.5	88.7	89.1	89.3	89.5	89.5	89.5	89.5	89.5	89.5
GE 200	68.2	81.1	85.8	87.6	88.0	88.2	88.5	88.7	89.1	89.3	89.5	89.5	89.5	89.5	89.5	89.5
GE 100	68.2	81.1	85.8	87.6	88.0	88.2	88.5	88.7	89.1	89.3	89.5	89.5	89.5	89.5	89.5	89.5
GE 0	68.2	81.1	85.8	87.6	88.0	88.2	88.5	88.7	89.1	89.3	89.5	89.5	89.5	89.5	89.5	89.5

TOTAL NUMBER OF OBSERVATIONS: 442

[illegible] FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
[illegible] ATLANTA FOR 4 HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725805 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	45.9	51.5	52.2	53.0	53.8	54.0	54.6	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.8
GE 20000	48.0	53.6	54.4	55.3	56.1	56.3	57.1	57.1	57.1	57.2	57.2	57.2	57.3	57.3	57.3	57.3
GE 18000	48.1	53.9	54.8	55.4	56.2	56.5	57.2	57.2	57.2	57.3	57.3	57.3	57.4	57.4	57.4	57.4
GE 16000	48.1	53.9	54.8	55.4	56.2	56.5	57.2	57.2	57.2	57.3	57.3	57.3	57.4	57.4	57.4	57.4
GE 14000	49.0	55.2	55.8	56.7	57.5	57.7	58.5	58.5	58.5	58.6	58.6	58.6	58.7	58.7	58.7	58.7
GE 12000	49.5	55.9	56.6	57.4	58.3	58.5	59.2	59.2	59.2	59.4	59.4	59.4	59.5	59.5	59.5	59.5
GE 10000	50.3	57.1	58.1	58.9	59.9	60.2	61.0	61.0	61.0	61.1	61.1	61.1	61.2	61.2	61.2	61.2
GE 9000	50.5	57.3	58.3	59.1	60.1	60.4	61.2	61.2	61.2	61.3	61.3	61.3	61.4	61.4	61.4	61.4
GE 8000	50.9	60.3	61.3	62.3	63.2	63.5	64.3	64.3	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5
GE 7000	53.3	61.2	62.2	63.1	64.1	64.4	65.2	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4
GE 6000	54.1	62.2	63.1	64.1	65.1	65.4	66.1	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3
GE 5000	55.1	63.4	64.5	65.6	66.6	66.9	67.7	67.7	67.7	67.8	67.8	67.8	68.0	68.0	68.0	68.0
GE 4500	55.5	64.0	65.1	66.3	67.4	67.7	68.6	68.6	68.6	68.7	68.7	68.7	68.8	68.8	68.8	68.8
GE 4000	57.2	66.1	67.7	69.1	70.2	70.6	71.7	71.7	71.7	71.8	71.8	71.8	71.9	71.9	71.9	71.9
GE 3500	58.4	68.0	69.9	71.5	72.6	73.2	74.2	74.2	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4
GE 3000	59.9	69.5	71.5	73.3	74.4	75.1	76.0	76.0	76.0	76.1	76.1	76.1	76.2	76.2	76.2	76.2
GE 2500	60.6	71.1	73.4	75.4	76.6	77.2	78.2	78.2	78.2	78.3	78.3	78.3	78.4	78.4	78.4	78.4
GE 2000	61.6	72.9	75.7	77.7	78.9	79.6	80.5	80.5	80.5	80.6	80.6	80.6	80.8	80.8	80.8	80.8
GE 1800	61.7	73.1	76.0	78.1	79.2	79.9	80.9	80.9	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.1
GE 1500	62.2	74.3	77.3	79.7	81.0	81.6	82.6	82.6	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8
GE 1200	62.5	74.6	77.6	80.1	81.6	82.3	83.2	83.2	83.2	83.3	83.3	83.3	83.4	83.4	83.4	83.4
GE 1000	62.5	74.8	77.8	80.4	82.6	83.2	84.3	84.4	84.4	84.5	84.5	84.5	84.6	84.6	84.6	84.6
GE 900	62.5	75.5	78.6	81.4	83.7	84.3	85.6	85.7	85.7	85.8	85.8	85.8	85.9	85.9	85.9	85.9
GE 800	62.5	75.7	78.8	81.9	84.2	84.9	86.2	86.3	86.3	86.5	86.5	86.5	86.7	86.7	86.7	86.7
GE 700	62.5	75.8	78.9	82.2	84.5	85.3	86.6	86.9	86.9	87.0	87.0	87.0	87.2	87.2	87.2	87.2
GE 600	62.5	75.9	79.4	82.6	85.4	86.1	87.4	87.7	87.7	87.8	87.8	87.8	88.1	88.1	88.1	88.1
GE 500	62.5	76.2	79.9	83.8	86.5	87.3	88.6	89.2	89.2	89.4	89.4	89.4	89.6	89.6	89.6	89.6
GE 400	62.6	76.5	80.3	84.4	87.3	88.5	89.9	90.6	90.6	90.9	91.0	91.0	91.3	91.3	91.3	91.3
GE 300	62.6	76.9	81.0	85.0	88.9	90.1	91.8	93.2	93.2	93.6	93.9	93.9	94.2	94.2	94.2	94.5
GE 200	62.6	76.9	81.0	85.7	89.1	90.3	92.7	94.1	94.1	94.9	95.1	95.1	95.7	95.7	95.8	96.1
GE 100	62.6	76.9	81.0	85.7	89.1	90.3	92.9	94.6	94.6	95.6	95.8	96.1	97.3	97.3	98.6	99.4
GE 0	62.6	76.9	81.0	85.7	89.1	90.3	92.9	94.6	94.6	95.6	95.8	96.1	97.5	97.5	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: OCT HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	42.0	47.6	48.6	48.6	49.1	49.3	49.6	49.7	49.7	49.8	49.8	49.8	49.9	49.9	50.0	50.0
GE 20000	44.9	50.2	51.2	51.9	52.5	52.6	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.3	53.3	53.4
GE 18000	45.0	50.4	51.4	52.0	52.6	52.8	53.2	53.2	53.2	53.3	53.4	53.4	53.4	53.5	53.5	53.5
GE 16000	45.0	50.4	51.4	52.0	52.6	52.8	53.2	53.2	53.2	53.3	53.4	53.4	53.4	53.5	53.5	53.5
GE 14000	45.9	51.6	52.6	53.3	54.0	54.1	54.5	54.6	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.9
GE 12000	46.5	52.6	53.7	54.4	55.1	55.2	55.6	55.7	55.7	55.8	55.9	55.9	55.9	55.9	56.0	56.0
GE 10000	49.2	55.8	57.2	57.9	58.7	58.8	59.2	59.3	59.3	59.4	59.5	59.5	59.5	59.5	59.6	59.6
GE 9000	49.4	56.0	57.4	58.1	58.9	59.1	59.5	59.6	59.6	59.7	59.7	59.7	59.8	59.8	59.8	59.9
GE 8000	51.6	58.7	60.2	61.0	61.9	62.0	62.5	62.6	62.6	62.7	62.7	62.7	62.8	62.8	62.8	62.9
GE 7000	52.0	59.5	60.9	61.8	62.7	62.9	63.3	63.4	63.4	63.5	63.6	63.6	63.6	63.7	63.7	63.7
GE 6000	53.0	60.6	62.3	63.2	64.1	64.3	64.7	64.8	64.8	64.9	65.0	65.0	65.0	65.1	65.1	65.2
GE 5000	54.4	62.6	64.3	65.2	66.2	66.3	66.9	67.0	67.0	67.1	67.1	67.1	67.2	67.2	67.3	67.3
GE 4500	55.1	63.5	65.1	66.2	67.1	67.3	67.8	67.9	67.9	68.0	68.1	68.1	68.1	68.2	68.2	68.2
GE 4000	56.8	65.6	67.4	68.5	69.5	69.7	70.2	70.4	70.4	70.5	70.6	70.6	70.6	70.7	70.7	70.7
GE 3500	58.7	67.8	69.7	70.8	71.9	72.1	72.6	72.8	72.8	73.0	73.0	73.0	73.1	73.1	73.2	73.2
GE 3000	60.8	70.6	72.8	74.0	75.2	75.4	76.0	76.2	76.2	76.3	76.4	76.4	76.4	76.4	76.5	76.6
GE 2500	62.4	72.7	75.0	76.3	77.5	77.8	78.3	78.5	78.5	78.6	78.7	78.7	78.7	78.8	78.8	78.9
GE 2000	63.5	74.5	76.9	78.3	79.6	79.9	80.5	80.7	80.7	80.9	80.9	80.9	81.0	81.0	81.1	81.1
GE 1800	63.7	74.7	77.2	78.6	79.9	80.2	80.8	81.0	81.0	81.2	81.2	81.2	81.3	81.3	81.4	81.4
GE 1500	64.2	75.7	78.3	79.9	81.3	81.7	82.3	82.5	82.5	82.7	82.7	82.7	82.8	82.8	82.9	82.9
GE 1200	64.7	76.7	79.4	81.1	82.7	83.1	83.7	83.9	83.9	84.1	84.1	84.1	84.2	84.2	84.3	84.3
GE 1000	64.9	77.1	80.0	81.6	83.5	83.9	84.6	85.0	85.0	85.1	85.2	85.2	85.2	85.3	85.3	85.4
GE 900	64.9	77.4	80.4	82.3	84.0	84.5	85.3	85.7	85.7	85.8	85.9	85.9	86.0	86.0	86.0	86.1
GE 800	65.0	77.9	80.9	82.9	84.9	85.4	86.2	86.6	86.6	86.8	86.9	86.9	86.9	87.0	87.0	87.1
GE 700	65.2	78.3	81.5	83.7	85.8	86.3	87.3	87.6	87.8	88.0	88.1	88.1	88.2	88.2	88.3	88.3
GE 600	65.2	78.6	81.9	84.3	86.6	87.2	88.3	88.9	88.9	89.2	89.4	89.4	89.4	89.5	89.5	89.6
GE 500	65.3	78.8	82.3	84.9	87.6	88.4	89.8	90.8	90.8	91.2	91.3	91.3	91.4	91.5	91.5	91.6
GE 400	65.3	78.9	82.5	85.3	88.4	89.4	91.2	92.4	92.5	93.0	93.1	93.1	93.3	93.4	93.4	93.5
GE 300	65.3	79.1	82.8	85.8	89.2	90.3	92.3	93.6	94.0	94.7	95.1	95.1	95.4	95.4	95.5	95.7
GE 200	65.3	79.2	82.8	85.9	89.3	90.5	92.7	94.3	94.8	95.8	96.3	96.3	96.9	97.0	97.3	97.4
GE 100	65.3	79.2	82.9	85.9	89.3	90.5	92.8	94.5	95.0	96.2	96.7	96.8	97.8	97.9	98.8	99.3
GE 0	65.3	79.2	82.9	85.9	89.3	90.5	92.8	94.5	95.0	96.2	96.8	96.9	97.9	98.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 7439

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	46.1	45.2	45.9	46.1	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.6	47.6
GE 20000	41.6	46.7	47.3	47.6	48.3	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.9	48.9	49.0	49.0
GE 18000	41.7	46.8	47.4	47.7	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.1	49.1
GE 16000	41.7	46.8	47.4	47.7	48.4	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.0	49.1	49.1
GE 14000	41.8	46.9	47.6	47.8	48.6	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.2	49.2
GE 12000	42.0	47.1	47.8	48.0	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.3	49.3	49.4	49.4
GE 10000	44.7	49.8	50.6	51.0	51.8	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.4	52.4
GE 9000	45.2	50.3	51.1	51.6	52.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.9	52.9	53.0	53.0
GE 8000	47.6	52.9	53.7	54.1	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.6	55.6
GE 7000	48.1	53.4	54.2	54.7	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.2	56.2
GE 6000	49.8	55.2	56.0	56.6	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.3	58.3
GE 5000	52.4	58.4	59.2	59.8	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.6	61.6
GE 4500	54.0	60.0	60.9	61.4	62.6	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1	63.1	63.2	63.2
GE 4000	55.9	62.0	62.9	63.6	64.7	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.3	65.3
GE 3500	57.7	64.6	65.4	66.1	67.2	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.9	67.9
GE 3000	60.8	68.2	69.2	69.9	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.6	71.6	71.7	71.7
GE 2500	63.6	71.3	72.3	73.0	74.2	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.9	74.9
GE 2000	64.7	73.8	75.0	75.8	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.6	77.6	77.7	77.7
GE 1800	64.8	73.9	75.1	75.9	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.8	77.8	77.9	77.9
GE 1500	65.9	75.8	77.0	77.8	79.2	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.9	79.9
GE 1200	66.2	76.8	78.2	79.1	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.2	81.2
GE 1000	66.6	77.2	78.7	79.6	81.0	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.6	81.6	81.7	81.7
GE 900	66.6	77.3	78.8	79.7	81.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	82.0	82.0
GE 800	66.6	77.3	78.8	79.8	81.7	82.1	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.4	82.4
GE 700	67.0	78.1	79.7	81.1	83.2	83.7	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.1	84.1
GE 600	67.1	78.6	80.2	81.6	84.7	85.1	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.1	86.1
GE 500	67.6	79.0	81.3	83.7	87.7	88.2	89.1	89.2	89.2	89.3	89.3	89.3	89.4	89.4	89.6	89.6
GE 400	67.7	79.4	82.1	85.0	89.3	89.9	91.1	91.2	91.2	91.3	91.3	91.3	91.4	91.4	91.6	91.6
GE 300	67.7	79.6	82.2	85.2	90.3	91.2	92.4	92.6	92.7	93.0	93.0	93.0	93.4	93.8	94.1	94.1
GE 200	67.7	79.6	82.2	85.3	90.8	91.7	93.1	93.2	93.4	94.2	95.1	95.1	96.1	96.4	97.7	97.7
GE 100	67.7	79.6	82.2	85.3	90.9	91.7	93.1	93.2	93.4	94.6	95.6	95.6	97.1	97.4	99.1	99.2
GE 0	67.7	79.6	82.2	85.3	90.8	91.7	93.1	93.2	93.4	94.6	95.6	95.6	97.1	97.4	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FNWC/AFGWC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0300-0500

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	39.6	43.6	44.2	44.8	45.9	46.6	46.3	46.4	46.4	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 20000	41.1	45.4	45.9	46.4	47.6	47.7	48.0	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 18000	41.1	45.4	45.9	46.4	47.6	47.7	48.0	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 16000	41.1	45.4	45.9	46.4	47.6	47.7	48.0	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 14000	41.8	46.1	46.6	47.1	48.3	48.3	48.7	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 12000	42.1	46.4	46.9	47.4	48.6	48.7	49.0	49.1	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 10000	44.8	49.6	50.2	50.8	51.9	52.2	52.6	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 9000	45.1	50.1	50.6	51.1	52.2	52.6	52.9	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 8000	48.1	53.2	53.7	54.2	55.3	55.7	56.0	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 7000	48.2	53.3	53.8	54.3	55.7	56.0	56.3	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 6000	50.3	55.4	55.9	56.4	58.1	58.4	58.8	58.9	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 5000	52.3	57.9	58.3	58.9	60.6	60.9	61.2	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 4500	53.7	59.2	59.7	60.2	61.9	62.2	62.6	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 4000	55.4	61.1	61.6	62.2	63.9	64.2	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 3500	56.9	62.9	63.3	64.0	65.7	66.0	66.3	66.4	66.4	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 3000	60.7	67.2	67.7	68.4	70.3	70.7	71.0	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 2500	62.7	69.3	69.9	70.6	72.7	73.0	73.3	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 2000	64.4	72.6	73.1	74.0	76.0	76.3	76.7	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 1800	64.4	72.7	73.2	74.1	76.1	76.4	76.8	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 1500	64.8	73.4	74.0	75.7	77.7	78.0	78.3	78.4	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7
GE 1200	64.9	73.9	74.5	76.2	78.4	79.0	79.3	79.4	79.4	79.6	79.7	79.7	79.7	79.7	79.7	79.7
GE 1000	65.1	74.3	75.0	77.1	79.4	80.0	80.3	80.4	80.4	80.6	80.7	80.7	80.7	80.7	80.7	80.7
GE 900	65.1	74.4	75.0	77.2	79.5	80.3	80.8	80.9	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1
GE 800	65.3	74.7	75.4	77.6	80.1	80.7	81.2	81.4	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7
GE 700	65.4	74.8	76.1	78.2	81.2	81.9	82.6	82.8	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.1
GE 600	65.4	75.2	76.5	78.6	81.8	82.4	83.1	83.2	83.2	84.0	84.1	84.1	84.1	84.1	84.1	84.1
GE 500	65.4	75.2	77.0	80.6	83.5	84.7	86.2	86.7	86.7	87.3	87.4	87.4	87.4	87.4	87.4	87.4
GE 400	65.8	75.6	78.2	81.8	85.8	86.6	88.9	89.6	89.6	90.8	90.9	90.9	90.9	90.9	91.1	91.1
GE 300	65.8	75.8	78.7	82.3	87.0	88.1	90.9	92.0	92.0	92.9	93.2	93.3	93.7	94.2	94.2	
GE 200	65.8	75.8	78.7	82.3	87.4	88.6	91.6	93.1	93.1	94.2	94.7	94.7	95.2	95.6	96.9	97.0
GE 100	65.8	75.8	78.7	82.3	87.4	88.6	91.6	93.1	93.1	94.4	95.0	95.0	95.7	96.0	98.0	98.1
GE 0	65.8	75.8	78.7	82.3	87.4	88.6	91.6	93.1	93.1	94.4	95.0	95.0	95.7	96.0	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

AIR WEATHER SERVICE/MAC

STATION NUMBER: 725090 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0600-0800

CEILING VERSUS VISIBILITY IN STATUTE MILES

CEILING IN FEET	VIS GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	38.2	38.6	39.2	39.2	39.5	39.8	40.2	40.8	40.8	40.8	40.5	40.5	40.7	40.7	40.7	40.7
GE 20000	39.4	41.5	41.9	42.0	42.5	42.8	43.2	43.2	43.2	43.4	43.6	43.6	43.8	43.8	43.8	43.8
GE 18000	39.4	41.5	41.9	42.0	42.5	42.8	43.2	43.2	43.2	43.4	43.6	43.6	43.8	43.8	43.8	43.8
GE 16000	39.4	41.5	41.9	42.0	42.5	42.8	43.2	43.2	43.2	43.4	43.6	43.6	43.8	43.8	43.8	43.8
GE 14000	39.9	42.3	42.7	42.8	43.3	43.6	43.9	43.9	43.9	44.3	44.5	44.5	44.7	44.7	44.7	44.7
GE 12000	39.4	42.7	43.2	43.3	43.7	44.0	44.4	44.4	44.4	44.7	44.9	44.9	45.2	45.2	45.2	45.2
GE 10000	42.7	46.6	47.4	47.7	48.7	49.1	49.4	49.4	49.4	49.7	49.9	49.9	50.2	50.2	50.2	50.2
GE 9000	43.6	47.2	47.9	48.3	49.3	49.6	49.9	49.9	49.9	50.3	50.5	50.5	50.7	50.7	50.7	50.7
GE 8000	45.7	50.3	51.2	51.6	52.6	52.9	53.3	53.3	53.3	53.6	53.8	53.8	54.2	54.2	54.2	54.2
GE 7000	46.9	51.6	52.6	52.9	54.1	54.4	54.7	54.7	54.7	55.1	55.3	55.3	55.6	55.6	55.6	55.6
GE 6000	48.8	53.8	54.8	55.2	56.4	56.7	57.2	57.2	57.2	57.6	57.8	57.8	58.2	58.2	58.2	58.2
GE 5000	51.2	56.7	57.7	58.2	59.4	59.7	60.2	60.2	60.2	60.6	60.8	60.8	61.2	61.2	61.2	61.2
GE 4500	52.2	57.8	58.8	59.3	60.5	60.8	61.3	61.3	61.3	61.7	62.0	62.0	62.3	62.3	62.3	62.3
GE 4000	54.7	60.4	61.5	62.0	63.2	63.6	64.3	64.5	64.5	65.1	65.3	65.3	65.6	65.6	65.6	65.6
GE 3500	56.2	62.0	63.1	63.5	64.8	65.3	66.1	66.2	66.2	66.7	67.0	67.0	67.3	67.3	67.3	67.3
GE 3000	59.1	65.4	66.7	67.2	68.5	69.0	69.7	70.0	70.0	70.5	70.7	70.7	71.1	71.1	71.1	71.1
GE 2500	60.6	67.7	69.2	69.7	71.1	71.5	72.5	72.7	72.9	73.4	73.6	73.6	74.0	74.0	74.0	74.0
GE 2000	62.8	71.0	72.7	73.3	74.6	75.1	76.1	76.3	76.4	77.0	77.2	77.2	77.5	77.5	77.5	77.5
GE 1500	63.0	71.2	73.0	73.5	74.9	75.3	76.3	76.5	76.6	77.2	77.4	77.4	77.8	77.8	77.8	77.8
GE 1400	63.5	72.0	73.9	74.4	75.8	76.2	77.2	77.4	77.5	78.1	78.3	78.3	78.6	78.6	78.6	78.6
GE 1200	63.8	72.9	75.0	75.6	77.2	77.6	78.6	78.9	79.0	79.5	79.8	79.8	80.1	80.1	80.1	80.1
GE 1000	64.0	73.0	75.1	75.9	77.6	78.1	79.1	79.3	79.5	80.1	80.3	80.3	80.6	80.6	80.6	80.6
GE 900	64.0	73.3	75.6	76.4	78.3	78.9	79.9	80.1	80.3	80.9	81.1	81.1	81.4	81.4	81.4	81.4
GE 800	64.2	73.5	75.9	76.6	78.9	79.4	80.5	80.8	81.0	81.5	81.9	81.9	82.2	82.2	82.2	82.2
GE 700	64.2	73.9	76.6	77.4	80.1	80.8	82.2	82.6	82.9	83.4	83.8	83.8	84.1	84.1	84.1	84.1
GE 600	64.2	74.1	76.9	77.9	80.8	81.5	83.3	83.8	84.0	84.5	84.9	84.9	85.2	85.2	85.2	85.2
GE 500	64.2	74.2	77.6	79.0	82.1	82.9	84.9	85.9	86.1	87.2	88.0	88.0	88.4	88.4	88.4	88.4
GE 400	64.3	74.3	77.8	79.2	82.9	83.8	86.4	87.9	88.1	89.2	90.2	90.2	90.8	90.8	90.9	90.9
GE 300	64.3	74.3	78.0	79.6	83.5	84.4	87.5	89.3	89.5	90.9	92.1	92.1	93.3	93.4	94.0	94.0
GE 200	64.3	74.4	78.1	79.5	83.8	84.6	88.0	90.1	90.3	91.8	93.2	93.3	94.9	95.1	96.6	96.6
GE 100	64.3	74.4	78.1	79.8	83.9	84.6	88.0	90.1	90.3	92.1	93.8	93.9	95.9	96.2	98.8	99.1
GE 0	64.3	74.4	78.1	79.8	83.8	84.6	88.0	90.1	90.3	92.1	93.8	93.9	95.9	96.2	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 999

SPECIAL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 0900-1100

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 7/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	35.4	38.8	39.1	39.4	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 20000	38.9	42.7	43.1	43.4	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
GE 18000	39.0	42.8	43.1	43.6	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 16000	39.0	42.8	43.1	43.6	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GE 14000	40.4	44.6	44.9	45.3	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 12000	40.8	45.0	45.3	45.8	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 10000	44.0	48.9	49.2	49.7	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 9000	44.4	49.3	49.7	50.1	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 8000	48.0	53.0	53.6	54.0	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 7000	50.1	55.1	55.7	56.1	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 6000	52.0	57.1	57.7	58.2	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 5000	53.8	59.0	59.6	60.1	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 4500	54.9	60.1	60.7	61.2	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 4000	58.2	63.4	64.1	64.8	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 3500	59.8	65.0	65.7	66.3	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 3000	62.6	68.4	69.1	69.8	70.1	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 2500	64.4	71.2	72.0	72.9	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 2000	66.4	74.1	74.9	75.8	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 1800	66.6	74.4	75.2	76.1	76.4	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 1500	66.9	75.3	76.3	77.4	77.9	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 1200	67.7	76.6	77.7	79.0	79.4	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 1000	68.0	77.2	78.3	80.0	80.7	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 900	68.1	77.9	79.1	80.8	81.7	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 800	68.3	78.9	80.1	82.1	83.3	83.6	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 700	68.3	79.3	80.6	83.0	84.4	84.8	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 600	68.4	80.2	81.6	84.1	85.9	86.2	87.0	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GE 500	68.6	81.0	82.6	86.2	88.1	88.7	89.9	90.9	91.2	91.6	91.8	91.6	91.8	91.8	91.8	91.8
GE 400	68.6	81.0	82.8	86.6	88.6	89.2	91.2	92.7	93.0	93.4	93.8	93.8	93.8	93.8	93.8	93.8
GE 300	68.7	81.1	83.0	86.8	88.8	89.4	92.0	94.0	94.3	95.1	95.8	95.9	96.2	96.6	96.6	96.6
GE 200	68.7	81.1	83.0	86.8	88.8	89.4	92.0	94.2	94.7	95.4	96.3	96.4	97.7	98.1	98.2	98.2
GE 100	68.7	81.1	83.0	86.8	88.8	89.4	92.0	94.3	94.9	95.8	96.8	96.9	98.4	99.0	99.6	99.6
GE 0	68.7	81.1	83.0	86.8	88.8	89.4	92.0	94.3	94.9	95.8	96.8	96.9	98.6	99.1	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 960

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1200-1400

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	38.8	42.6	42.6	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 20000	44.1	48.3	48.3	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 18000	44.6	48.8	48.8	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 16000	44.6	48.8	48.8	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
GE 14000	45.3	49.6	49.6	49.7	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 12000	46.0	50.4	50.4	50.6	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 10000	48.7	53.2	53.3	53.4	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 9000	49.0	53.6	53.7	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0	54.0
GE 8000	51.8	56.6	56.9	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 7000	52.3	57.1	57.4	57.6	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 6000	53.4	58.4	58.9	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 5000	54.6	59.9	60.3	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
GE 4500	55.4	60.9	61.3	61.4	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 4000	58.4	64.0	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
GE 3500	61.2	67.1	67.9	68.1	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 3000	63.8	70.1	71.0	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 2500	66.4	73.6	74.6	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 2000	68.3	76.1	77.3	77.7	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 1800	68.7	76.4	77.7	78.0	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 1500	69.7	78.7	80.0	80.4	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 1200	70.3	80.1	81.6	82.0	82.2	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 1000	70.6	80.8	82.3	82.8	83.0	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 900	71.0	81.7	83.3	83.8	84.4	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 800	71.3	82.2	84.2	85.1	86.0	86.6	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4
GE 700	71.8	83.0	85.4	86.7	87.6	88.1	88.8	89.1	89.1	89.2	89.3	89.3	89.3	89.3	89.3	89.3
GE 600	71.9	83.4	86.2	87.7	88.9	89.6	90.4	90.8	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0
GE 500	72.0	84.3	87.4	89.1	91.1	91.9	92.9	93.3	93.3	93.8	93.9	93.9	94.1	94.1	94.1	94.1
GE 400	72.0	84.3	87.6	89.2	91.8	92.7	94.1	94.9	95.1	95.8	96.2	96.3	96.6	96.6	96.6	96.6
GE 300	72.0	84.3	87.6	89.2	91.9	93.0	94.6	95.8	96.1	97.3	97.9	98.1	98.7	98.8	98.8	98.8
GE 200	72.0	84.3	87.6	89.2	91.9	93.1	94.7	96.1	96.6	98.0	98.6	98.8	99.3	99.8	99.8	99.8
GE 100	72.0	84.3	87.6	89.2	91.9	93.1	94.7	96.1	96.6	98.1	98.7	98.9	99.4	99.9	99.9	100.0
GE 0	72.0	84.3	87.6	89.2	91.9	93.1	94.7	96.1	96.6	98.1	98.7	98.9	99.4	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 7	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	40.8	43.4	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 20000	46.0	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 18000	46.2	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 16000	46.2	50.0	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GE 14000	47.1	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 12000	48.0	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 10000	50.1	54.8	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 9000	50.3	55.0	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
GE 8000	53.4	59.1	59.3	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 7000	54.2	59.9	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 6000	55.6	61.3	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 5000	56.8	62.6	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 4500	57.8	63.8	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 4000	59.7	65.8	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 3500	62.0	68.3	68.8	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 3000	64.4	71.6	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 2500	67.1	74.8	75.2	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 2000	69.2	77.6	78.1	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 1800	69.4	77.8	78.3	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 1500	70.6	80.2	81.0	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 1200	72.1	82.1	83.0	83.6	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 1000	72.4	82.7	83.6	84.2	84.4	84.4	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 900	72.6	83.2	84.2	85.1	85.4	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 800	72.9	83.7	84.7	85.6	85.9	86.0	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 700	72.9	83.9	85.1	86.1	86.7	86.9	87.6	87.8	87.8	87.8	87.8	87.8	88.0	88.0	88.0	88.0
GE 600	73.0	84.2	85.6	87.0	87.8	88.1	89.2	89.6	89.6	89.6	89.6	89.6	89.8	89.8	89.8	89.8
GE 500	73.4	85.0	87.1	88.9	90.1	90.9	92.4	93.2	93.2	93.3	93.3	93.3	93.7	93.7	93.7	93.7
GE 400	73.4	85.1	87.2	89.0	90.4	91.6	93.8	94.9	94.9	95.3	95.3	95.3	95.9	95.9	95.9	95.9
GE 300	73.4	85.1	87.3	89.1	91.0	92.1	94.7	96.3	96.3	97.4	97.8	97.8	98.6	98.6	98.7	98.7
GE 200	73.4	85.1	87.3	89.1	91.0	92.1	94.8	96.4	96.4	97.7	98.1	98.2	99.4	99.4	99.6	99.6
GE 100	73.4	85.1	87.3	89.1	91.0	92.1	94.8	96.4	96.4	97.7	98.1	98.2	99.4	99.4	99.9	99.9
GE 0	73.4	85.1	87.3	89.1	91.0	92.1	94.8	96.4	96.4	97.7	98.1	98.2	99.6	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 960

USAFETAC
AIR WEATHER SERVICE/MAC

FROM HOURLY OBSERVATIONS

STATION NUMBER: 725000 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES														
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	41.9	45.7	46.2	46.3	46.6	46.6	46.8	46.9	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1
GE 20000	44.2	48.0	48.6	48.7	48.9	49.1	49.1	49.2	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4
GE 18000	44.3	48.3	48.9	49.0	49.2	49.4	49.4	49.6	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8
GE 16000	44.3	48.3	48.9	49.0	49.2	49.4	49.4	49.6	49.6	49.7	49.8	49.8	49.8	49.8	49.8	49.8
GE 14000	44.7	49.0	49.6	49.7	49.9	50.1	50.1	50.2	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4
GE 12000	45.0	49.7	50.2	50.4	50.7	50.9	50.9	51.0	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2
GE 10000	47.4	52.1	52.7	52.9	53.1	53.3	53.3	53.4	53.4	53.6	53.7	53.7	53.7	53.7	53.7	53.7
GE 9000	47.6	52.2	52.8	53.0	53.2	53.4	53.4	53.6	53.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8
GE 8000	50.2	55.3	55.9	56.1	56.3	56.6	56.6	56.7	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9
GE 7000	50.4	55.7	56.2	56.4	56.7	56.9	56.9	57.0	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2
GE 6000	51.8	57.1	57.7	57.9	58.1	58.3	58.3	58.4	58.4	58.6	58.7	58.7	58.7	58.7	58.7	58.7
GE 5000	53.3	58.8	59.6	59.8	60.0	60.2	60.2	60.3	60.3	60.4	60.6	60.6	60.6	60.6	60.6	60.6
GE 4500	55.0	60.6	61.4	61.7	61.9	62.1	62.1	62.2	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4
GE 4000	57.4	63.9	64.8	65.0	65.2	65.4	65.4	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8
GE 3500	59.3	66.1	67.0	67.2	67.4	67.7	67.7	67.8	67.8	67.9	68.0	68.0	68.0	68.0	68.0	68.0
GE 3000	62.6	69.7	70.7	71.2	71.4	71.7	71.7	71.8	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0
GE 2500	65.4	73.1	74.4	75.1	75.3	75.6	75.6	75.7	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9
GE 2000	68.2	77.1	78.6	79.3	79.6	79.8	79.8	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1
GE 1800	68.6	77.6	79.1	79.8	80.0	80.2	80.2	80.3	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6
GE 1500	69.0	79.0	80.7	81.6	81.8	82.0	82.0	82.1	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.3
GE 1200	70.1	80.6	82.3	83.6	83.9	84.1	84.1	84.2	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4
GE 1000	70.1	80.6	82.4	83.7	84.0	84.2	84.2	84.3	84.3	84.4	84.6	84.6	84.6	84.6	84.6	84.6
GE 900	70.4	81.3	83.2	84.4	84.9	85.2	85.3	85.4	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7
GE 800	70.8	81.8	83.8	85.1	85.7	86.1	86.2	86.3	86.3	86.4	86.6	86.6	86.6	86.6	86.6	86.6
GE 700	71.0	82.2	84.3	85.9	86.4	86.9	87.0	87.1	87.1	87.2	87.4	87.4	87.4	87.4	87.4	87.4
GE 600	71.1	82.9	85.1	86.6	87.7	88.4	88.6	88.7	88.7	88.9	89.2	89.2	89.2	89.2	89.2	89.2
GE 500	71.3	83.6	86.3	88.7	90.1	91.2	91.6	92.6	92.0	92.2	92.6	92.6	92.6	92.6	92.6	92.6
GE 400	71.3	83.7	86.6	89.3	91.3	92.6	93.1	94.1	94.1	94.6	95.1	95.1	95.2	95.2	95.2	95.2
GE 300	71.3	83.9	86.8	89.6	92.2	93.4	94.6	95.9	96.0	96.6	97.4	97.4	97.6	97.6	97.6	97.6
GE 200	71.3	83.9	86.8	89.9	92.8	94.0	95.2	96.8	96.9	97.8	98.7	98.7	98.8	98.8	98.8	98.8
GE 100	71.3	83.9	86.8	89.9	92.8	94.0	95.2	96.9	97.0	98.0	99.1	99.1	99.3	99.3	99.4	99.6
GE 0	71.3	83.9	86.8	89.9	92.8	94.0	95.2	96.9	97.0	98.0	99.1	99.1	99.3	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	41.4	45.4	45.9	46.2	46.4	46.6	47.0	47.1	47.1	47.3	47.4	47.4	47.6	47.6	47.6	47.6
GE 20000	42.8	46.9	47.3	47.7	47.9	48.0	48.4	48.6	48.6	48.8	48.9	48.9	49.0	49.0	49.0	49.0
GE 18000	43.0	47.1	47.6	47.9	48.1	48.2	48.7	48.8	48.8	49.0	49.1	49.1	49.2	49.2	49.2	49.2
GE 16000	43.0	47.1	47.6	47.9	48.1	48.2	48.7	48.8	48.8	49.0	49.1	49.1	49.2	49.2	49.2	49.2
GE 14000	43.4	47.7	48.1	48.4	48.7	48.8	49.2	49.3	49.3	49.6	49.7	49.7	49.8	49.8	49.8	49.8
GE 12000	43.8	48.0	48.4	48.8	49.0	49.1	49.6	49.7	49.7	49.9	50.0	50.0	50.1	50.1	50.1	50.1
GE 10000	47.2	51.6	52.4	52.8	53.0	53.1	53.6	53.7	53.7	53.9	54.0	54.0	54.1	54.1	54.1	54.1
GE 9000	47.2	51.6	52.4	52.8	53.0	53.1	53.6	53.7	53.7	53.9	54.0	54.0	54.1	54.1	54.1	54.1
GE 8000	49.4	54.3	55.1	55.3	55.6	55.7	56.1	56.2	56.2	56.4	56.6	56.6	56.7	56.7	56.7	56.7
GE 7000	50.1	55.0	55.7	56.0	56.2	56.3	56.8	56.9	56.9	57.1	57.2	57.2	57.3	57.3	57.3	57.3
GE 6000	50.4	55.7	56.3	56.7	56.9	57.0	57.4	57.6	57.6	57.8	57.9	57.9	58.0	58.0	58.0	58.0
GE 5000	52.1	57.6	58.6	58.9	59.1	59.2	59.7	59.8	59.8	60.0	60.1	60.1	60.2	60.2	60.2	60.2
GE 4500	53.4	59.3	60.1	60.4	60.7	60.8	61.2	61.3	61.3	61.6	61.7	61.7	61.8	61.8	61.8	61.8
GE 4000	55.4	61.7	62.4	62.8	63.0	63.1	63.6	63.7	63.7	63.9	64.0	64.0	64.1	64.1	64.1	64.1
GE 3500	57.7	64.0	64.8	65.1	65.3	65.4	65.9	66.0	66.0	66.2	66.3	66.3	66.4	66.4	66.4	66.4
GE 3000	61.6	68.4	69.2	69.6	70.3	70.4	70.9	71.0	71.0	71.2	71.3	71.3	71.4	71.4	71.4	71.4
GE 2500	64.7	72.2	73.1	73.4	74.2	74.4	74.9	75.0	75.0	75.2	75.3	75.3	75.4	75.4	75.4	75.4
GE 2000	67.3	76.1	77.1	77.4	78.2	78.4	78.9	79.0	79.0	79.2	79.3	79.3	79.4	79.4	79.4	79.4
GE 1800	67.6	76.6	77.6	77.9	78.7	78.9	79.3	79.4	79.4	79.7	79.8	79.8	79.9	79.9	79.9	79.9
GE 1500	68.3	78.1	79.3	80.0	80.8	81.0	81.4	81.6	81.6	81.8	81.9	81.9	82.0	82.0	82.0	82.0
GE 1200	68.7	79.0	80.7	81.5	82.3	82.6	83.0	83.1	83.1	83.3	83.4	83.4	83.6	83.6	83.6	83.6
GE 1000	68.8	79.2	80.9	81.7	82.7	82.9	83.6	83.7	83.7	83.9	84.0	84.0	84.1	84.1	84.1	84.1
GE 900	68.8	79.2	80.9	81.8	82.8	83.1	83.8	83.9	83.9	84.1	84.2	84.2	84.3	84.3	84.3	84.3
GE 800	68.9	79.4	81.1	82.1	83.7	84.0	84.7	84.8	84.8	85.0	85.1	85.1	85.2	85.2	85.2	85.2
GE 700	69.2	80.1	82.0	83.1	85.0	85.4	86.1	86.2	86.2	86.6	86.7	86.7	86.8	86.8	86.8	86.8
GE 600	69.2	80.2	82.2	83.7	85.6	86.0	86.9	87.0	87.0	87.3	87.4	87.4	87.6	87.6	87.6	87.6
GE 500	69.3	80.4	83.2	85.0	87.7	88.0	89.4	89.6	89.6	90.1	90.2	90.2	90.6	90.6	90.6	90.6
GE 400	69.3	80.4	83.3	85.2	88.9	89.7	90.7	90.8	90.9	91.7	92.0	92.0	92.3	92.3	92.3	92.3
GE 300	69.3	80.4	83.3	85.2	89.3	90.4	91.8	92.2	92.2	93.4	93.8	93.8	94.3	94.4	94.4	94.4
GE 200	69.3	80.4	83.3	85.3	89.6	90.8	92.4	93.6	93.7	95.1	95.4	95.4	96.3	96.7	97.0	97.2
GE 100	69.3	80.4	83.3	85.3	89.6	90.8	92.6	93.8	93.9	95.6	96.1	96.1	97.4	97.8	98.4	98.8
GE 0	69.3	80.4	83.3	85.3	89.6	90.8	92.6	93.8	93.9	95.6	96.1	96.1	97.6	98.0	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 756

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: NOV HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	39.3	43.0	43.4	43.6	43.9	44.1	44.2	44.3	44.3	44.3	44.4	44.4	44.5	44.5	44.5	44.5
GE 20000	42.1	46.1	46.5	46.8	47.2	47.3	47.5	47.5	47.5	47.6	47.7	47.7	47.7	47.7	47.7	47.7
GE 18000	42.3	46.3	46.7	47.0	47.4	47.5	47.7	47.7	47.7	47.8	47.9	47.9	47.9	47.9	47.9	47.9
GE 16000	42.3	46.3	46.7	47.0	47.4	47.5	47.7	47.7	47.7	47.8	47.9	47.9	47.9	47.9	47.9	47.9
GE 14000	42.9	47.1	47.5	47.7	48.1	48.3	48.5	48.5	48.5	48.6	48.6	48.6	48.7	48.7	48.7	48.7
GE 12000	43.4	47.7	48.1	48.4	48.8	48.9	49.1	49.1	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.3
GE 10000	46.2	50.9	51.4	51.7	52.1	52.3	52.5	52.5	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.7
GE 9000	46.5	51.2	51.7	52.0	52.5	52.6	52.8	52.8	52.8	52.9	53.0	53.0	53.0	53.0	53.1	53.1
GE 8000	49.3	54.3	54.9	55.2	55.7	55.9	56.0	56.1	56.1	56.2	56.2	56.2	56.3	56.3	56.3	56.3
GE 7000	50.1	55.1	55.7	56.0	56.6	56.8	56.9	57.0	57.0	57.1	57.1	57.1	57.2	57.2	57.2	57.2
GE 6000	51.5	56.6	57.4	57.7	58.3	58.5	58.7	58.7	58.7	58.8	58.9	58.9	59.0	59.0	59.0	59.0
GE 5000	53.3	58.9	59.5	59.9	60.5	60.7	60.9	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1
GE 4500	54.5	60.2	60.9	61.2	61.9	62.1	62.2	62.3	62.3	62.4	62.4	62.4	62.5	62.5	62.5	62.5
GE 4000	56.9	62.6	63.5	64.0	64.6	64.8	65.0	65.1	65.1	65.2	65.2	65.2	65.3	65.3	65.3	65.3
GE 3500	58.8	65.0	65.7	66.2	66.8	67.0	67.2	67.3	67.3	67.4	67.5	67.5	67.5	67.5	67.6	67.6
GE 3000	61.9	68.6	69.5	69.9	70.7	70.9	71.1	71.2	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4
GE 2500	64.4	71.7	72.6	73.2	74.0	74.2	74.4	74.5	74.5	74.6	74.7	74.7	74.8	74.8	74.8	74.8
GE 2000	66.4	74.6	75.9	76.5	77.3	77.5	77.7	77.8	77.8	78.0	78.0	78.0	78.1	78.1	78.1	78.1
GE 1800	66.6	75.1	76.1	76.8	77.6	77.8	78.0	78.1	78.1	78.2	78.3	78.3	78.4	78.4	78.4	78.4
GE 1600	67.3	76.6	77.8	78.6	79.4	79.7	79.9	80.0	80.0	80.1	80.2	80.2	80.3	80.3	80.3	80.3
GE 1200	68.0	77.7	79.2	80.1	81.0	81.3	81.6	81.7	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9
GE 1000	68.2	78.1	79.6	80.6	81.6	81.9	82.3	82.3	82.4	82.5	82.6	82.6	82.6	82.6	82.7	82.7
GE 900	68.3	78.6	80.1	81.2	82.3	82.7	83.1	83.2	83.2	83.3	83.4	83.4	83.5	83.5	83.5	83.5
GE 800	68.5	78.9	80.6	81.7	83.2	83.6	84.1	84.2	84.3	84.4	84.5	84.5	84.6	84.6	84.6	84.6
GE 700	68.7	79.4	81.2	82.7	84.3	84.8	85.4	85.6	85.7	85.8	85.9	85.9	86.0	86.0	86.1	86.1
GE 600	68.8	79.6	81.8	83.4	85.4	85.9	86.9	87.2	87.2	87.4	87.5	87.5	87.6	87.6	87.6	87.6
GE 500	69.0	80.3	82.9	85.1	87.6	88.4	89.5	90.1	90.2	90.6	90.8	90.8	91.0	91.0	91.0	91.0
GE 400	69.1	80.5	83.2	85.7	88.6	89.5	91.2	92.0	92.1	92.7	93.1	93.1	93.4	93.4	93.4	93.4
GE 300	69.1	80.6	83.4	85.9	89.3	90.3	92.3	93.5	93.7	94.6	95.1	95.2	95.7	95.8	96.0	96.0
GE 200	69.1	80.6	83.4	86.0	89.5	90.5	92.7	94.2	94.4	95.5	96.3	96.3	97.2	97.5	98.1	98.1
GE 100	69.1	80.6	83.4	86.0	89.5	90.5	92.7	94.2	94.5	95.6	96.6	96.7	97.8	98.1	99.1	99.3
GE 0	69.1	80.6	83.4	86.0	89.5	90.5	92.7	94.2	94.5	95.8	96.6	96.7	97.9	98.2	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 7199

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0000-0200

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	44.0	47.5	48.1	48.3	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.8	48.8	48.8	48.8
GE 20000	45.7	49.2	49.9	50.3	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.8	50.8	50.8	50.8
GE 18000	45.7	49.3	50.1	50.4	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9	50.9
GE 16000	45.7	49.3	50.1	50.4	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9	50.9
GE 14000	45.9	49.5	50.3	50.6	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1
GE 12000	47.0	50.6	51.4	51.7	51.9	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.2	52.2	52.2
GE 10000	48.4	52.4	53.2	53.5	53.7	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1
GE 9000	48.4	52.4	53.2	53.5	53.7	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1
GE 8000	50.6	54.8	55.6	56.1	56.3	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7
GE 7000	51.1	55.5	56.4	56.8	57.0	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3	57.3
GE 6000	53.6	58.1	59.2	59.5	59.7	59.7	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0
GE 5000	55.1	59.7	61.1	61.4	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0
GE 4500	56.1	60.7	62.1	62.6	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.4	63.4	63.4
GE 4000	58.2	63.0	65.2	66.0	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.5	66.5	66.5	66.5
GE 3500	58.9	64.0	66.2	67.0	67.2	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.5
GE 3000	60.0	66.8	70.3	71.2	71.6	71.6	72.0	72.0	72.0	72.0	72.0	72.0	72.2	72.2	72.2	72.2
GE 2500	63.1	70.3	73.6	74.7	75.2	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8
GE 2000	65.5	73.5	76.2	77.7	78.1	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5
GE 1800	65.9	73.7	76.6	77.6	77.9	78.4	78.6	78.6	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9
GE 1500	65.9	74.3	76.7	78.2	79.4	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4
GE 1200	65.9	74.6	77.5	79.2	80.6	81.1	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6
GE 1000	66.0	75.5	78.3	80.4	81.9	82.4	82.9	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1
GE 900	66.0	75.7	78.5	80.6	82.1	82.7	83.2	83.4	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5
GE 800	66.0	75.9	79.1	81.3	83.2	83.7	84.3	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0
GE 700	66.1	76.3	79.3	82.0	84.3	84.8	85.7	86.5	86.5	86.5	86.5	86.5	86.6	86.6	86.6	86.6
GE 600	66.1	76.5	79.6	82.4	85.2	85.6	86.7	87.9	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.0
GE 500	66.1	76.5	79.7	82.7	85.9	86.5	87.9	89.5	89.8	89.8	89.8	89.8	89.9	89.9	89.9	89.9
GE 400	66.1	76.6	80.1	83.3	87.0	87.6	89.6	91.4	91.4	91.9	91.9	91.9	92.0	92.0	92.0	92.0
GE 300	66.1	76.6	80.2	83.6	88.1	88.8	91.0	93.6	93.6	94.1	94.4	94.4	94.5	94.5	94.5	94.5
GE 200	66.1	76.6	80.3	83.7	88.4	89.2	91.5	94.6	94.6	95.2	95.7	95.7	96.3	96.3	96.3	96.3
GE 100	66.1	76.6	80.3	83.7	88.5	89.2	91.5	94.6	94.6	95.7	96.3	96.4	97.9	97.9	98.8	99.0
GE 0	66.1	76.6	80.3	83.7	88.5	89.2	91.5	94.6	94.6	95.7	96.3	96.4	97.9	97.9	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 434

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0300-0500

CEILING	VISIBILITY IN STATUTE MILES															
IN HUNDREDS OF FEET	1	1/2	3/4	1/4	0	GE 1/4	1/2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
[illegible]	46.1	46.3	47.0	49.1	49.7	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.0	50.0
[illegible]	48.7	50.1	51.0	51.1	51.7	51.8	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.1	52.1
[illegible]	48.7	50.1	51.0	51.1	51.7	51.8	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.1	52.1
[illegible]	48.7	50.1	51.0	51.1	51.7	51.8	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.1	52.1
[illegible]	49.6	51.1	51.7	52.1	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.1	53.1
[illegible]	49.9	51.2	52.0	52.4	52.9	53.0	53.1	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.3	53.3
[illegible]	54.9	53.4	54.1	54.6	54.9	54.9	55.1	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.3	55.3
[illegible]	55.2	53.7	54.4	54.9	55.2	55.4	55.4	55.4	55.4	55.4	55.6	55.6	55.6	55.6	55.7	55.7
[illegible]	56.4	56.1	56.8	57.3	57.7	57.7	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.4	58.4
[illegible]	57.5	57.0	57.6	58.1	58.5	58.5	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.2	59.2
[illegible]	59.0	58.6	59.2	59.6	59.8	59.8	60.3	60.3	60.3	60.3	60.5	60.5	60.5	60.5	60.6	60.6
[illegible]	60.7	61.0	61.2	61.7	62.1	62.1	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.9	62.9
[illegible]	62.9	61.2	61.5	62.0	62.7	62.7	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.5	63.5
[illegible]	64.3	63.2	64.0	64.5	65.0	65.0	66.2	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.6	66.6
[illegible]	66.7	64.7	65.5	66.0	66.4	67.3	67.5	67.5	67.5	67.5	67.9	68.0	68.0	68.0	68.1	68.1
[illegible]	67.7	66.5	67.2	71.1	72.4	72.4	72.8	73.0	73.0	73.2	73.3	73.3	73.3	73.3	73.4	73.4
[illegible]	69.4	71.2	72.5	73.9	75.1	75.1	75.8	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.3	76.3
[illegible]	69.6	73.1	74.1	75.5	77.2	77.2	77.9	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.6	78.6
[illegible]	69.9	73.3	74.1	76.1	77.5	77.5	78.1	78.4	78.6	78.6	78.8	78.8	78.8	78.8	78.9	78.9
[illegible]	70.2	74.0	74.7	76.7	78.1	78.1	78.7	79.4	80.4	80.4	80.5	80.5	80.5	80.5	80.6	80.6
[illegible]	70.5	74.7	75.4	77.4	78.8	78.8	79.4	80.1	80.9	80.9	81.0	81.0	81.0	81.0	81.2	81.2
[illegible]	70.7	74.9	75.6	77.6	79.1	79.3	80.0	81.0	81.6	81.6	81.7	81.7	81.7	81.7	81.8	81.8
[illegible]	70.7	75.2	76.0	77.9	79.5	79.7	80.6	81.6	82.2	82.2	82.4	82.4	82.4	82.4	82.5	82.5
[illegible]	70.8	75.3	76.1	78.0	79.7	81.0	82.0	83.2	83.7	83.7	83.8	83.8	83.8	83.8	83.9	83.9
[illegible]	70.9	75.5	76.3	78.2	79.9	81.2	82.2	84.4	85.4	85.4	85.5	85.5	85.5	85.5	85.6	85.6
[illegible]	70.9	76.1	76.9	78.8	80.5	81.8	82.8	85.7	87.6	87.6	88.1	88.1	88.1	88.1	88.2	88.3
[illegible]	70.9	76.2	77.0	79.0	80.7	82.0	83.0	86.0	88.3	89.3	89.5	89.6	89.8	89.9	90.0	90.1
[illegible]	70.9	76.4	77.2	79.2	80.9	82.3	83.3	86.3	88.7	91.5	92.2	92.3	92.3	92.5	92.6	92.7
[illegible]	70.9	76.4	77.2	79.2	80.9	82.3	83.3	86.3	88.7	91.8	94.1	94.1	95.2	95.4	95.5	95.6	95.8
[illegible]	70.9	76.4	77.2	79.2	80.9	82.3	83.3	86.3	88.7	91.8	94.7	94.9	96.2	96.3	97.1	97.2	97.4
[illegible]	70.9	76.4	77.2	79.2	80.9	82.3	83.3	86.3	88.7	91.8	94.7	94.9	96.1	96.6	96.7	98.4	98.5	99.2	99.6
[illegible]	70.9	76.4	77.2	79.2	80.9	82.3	83.3	86.3	88.7	91.8	94.7	94.9	96.1	96.6	96.7	98.4	98.5	99.2	100.0

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0600-0800

CEILING VISIBILITY IN STATUTE MILES

CEILING IN FEET	0	GE 1/4	GE 1/2	GE 3/4	GE 1	GE 1 1/4	GE 1 1/2	GE 1 3/4	GE 2	GE 2 1/2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8	GE 9	GE 10
[illegible]	[illegible]	42.6	42.6	42.6	42.7	42.7	42.7	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	43.6
[illegible]	[illegible]	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.9	45.9
[illegible]	[illegible]	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.2	46.2
[illegible]	[illegible]	46.4	46.5	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
[illegible]	[illegible]	47.4	47.5	47.5	47.6	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
[illegible]	[illegible]	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
[illegible]	[illegible]	50.7	51.4	51.6	51.7	51.8	51.8	51.8	52.0	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.3	52.3
[illegible]	[illegible]	52.7	53.4	53.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
[illegible]	[illegible]	54.6	55.6	55.8	56.0	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7
[illegible]	[illegible]	56.8	56.9	57.0	57.1	57.3	57.3	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8
[illegible]	[illegible]	58.8	57.7	58.0	58.1	58.2	58.2	58.2	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2
[illegible]	[illegible]	59.8	59.8	59.9	60.0	60.0	60.0	60.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.1
[illegible]	[illegible]	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.7	62.7
[illegible]	[illegible]	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3
[illegible]	[illegible]	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.4	67.4
[illegible]	[illegible]	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5
[illegible]	[illegible]	74.6	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.2	75.2
[illegible]	[illegible]	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.6	78.6	78.6	78.6	78.6	78.7	78.7
[illegible]	[illegible]	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1	79.1
[illegible]	[illegible]	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.3	80.3
[illegible]	[illegible]	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.1	82.1	82.1	82.1	82.1	82.3	82.3
[illegible]	[illegible]	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.7	82.7
[illegible]	[illegible]	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.4	83.4
[illegible]	[illegible]	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.6	84.6	84.6
[illegible]	[illegible]	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.3	85.3	85.3
[illegible]	[illegible]	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.2	87.2	87.2
[illegible]	[illegible]	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.6	89.7	89.7	89.8	89.8	89.8
[illegible]	[illegible]	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.5	92.6	92.6
[illegible]	[illegible]	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.5	94.5	94.6	94.7	94.9	94.9
[illegible]	[illegible]	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	97.1	97.3	97.4	97.8	97.8	97.8
[illegible]	[illegible]	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5	97.6	98.2	98.8	99.0	99.0	99.0
[illegible]	[illegible]	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.5	96.5	97.6	98.2	98.8	99.0	99.0	100.0

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 0900-1100

CEILING	VISIBILITY IN STATUTE MILES															
	LT 1/4	GE 1/4	GE 1/2	GE 3/4	GE 1	GE 1 1/4	GE 1 1/2	GE 2	GE 2 1/2	GE 3	GE 3 1/2	GE 4	GE 5	GE 6	GE 7	GE 8
CLR	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
	47.7	47.7	47.7	47.8	47.8	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
	48.4	48.4	48.4	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
	50.3	50.3	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
	55.4	55.4	55.4	55.5	55.5	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
	64.5	64.5	64.5	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
	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
	68.0	68.0	68.0	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
	73.0	73.0	73.0	73.0	73.0	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
	75.6	75.6	75.6	75.6	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
	78.4	78.4	78.4	78.4	78.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
	79.0	79.0	79.0	79.0	79.0	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
	81.4	81.4	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2
	90.6	90.6	90.6	90.6	90.6	90.6	90.6	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.9	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5
	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	95.1	95.8	96.0	96.0	96.0	96.0	96.0	96.0
	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	95.2	96.7	97.7	98.2	98.6	98.8	98.8	98.9
	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	95.2	96.6	98.1	98.5	98.9	99.1	99.6	99.9
	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	95.2	96.6	98.1	98.5	98.9	99.1	99.6	100.0

[illegible] FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: [illegible] STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1200-1400

CEILING IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	[illegible]	43.7	43.7	43.7	[illegible]	[illegible]	[illegible]	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	57.1	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
[illegible]	[illegible]	66.7	[illegible]	[illegible]	[illegible]	67.7	[illegible]	67.8	67.6	67.6	67.8	67.6	67.8	67.8	67.8	67.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	72.4	[illegible]	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
[illegible]	[illegible]	73.3	73.9	[illegible]	74.7	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78.7	78.9	[illegible]	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	78.9	[illegible]	[illegible]	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	81.4	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	84.1	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86.3	87.2	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	86.7	87.4	88.4	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	87.6	[illegible]	[illegible]	90.4	90.4	90.5	90.8	90.8	90.8	90.8	90.8	90.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	89.6	91.7	[illegible]	[illegible]	92.3	92.5	92.5	92.5	92.5	92.5	92.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91.1	[illegible]	94.2	94.3	94.4	94.7	94.7	94.8	94.8	94.8	94.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	91.7	94.1	95.7	96.2	96.7	97.2	97.2	97.5	97.5	97.5	97.5
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94.5	96.5	97.2	97.6	98.3	98.3	98.7	98.8	98.8	98.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94.5	96.5	97.2	97.6	98.4	98.4	98.9	99.0	99.6	99.8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	94.5	96.5	97.2	97.6	98.4	98.4	98.9	99.0	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: [illegible]

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1500-1700

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 0	GE 1/4	GE 1/2	GE 3/4	GE 1	GE 1 1/4	GE 1 1/2	GE 1 3/4	GE 2	GE 2 1/2	GE 3	GE 4	GE 5	GE 6	GE 7	GE 8
GE 0	41.9	42.1	42.4	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 100	46.1	48.4	48.7	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
GE 200	46.7	49.1	49.5	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 300	46.7	49.1	49.5	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 400	51.3	51.7	52.1	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
GE 500	52.5	52.9	53.2	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 600	55.8	56.2	56.6	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 700	56.2	56.7	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 800	59.6	60.0	60.5	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 900	60.1	60.7	61.2	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE1000	60.6	61.2	61.7	62.1	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE1100	61.2	61.8	62.2	62.7	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE1200	62.0	62.9	63.3	63.7	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE1300	64.4	64.9	65.4	65.9	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE1400	65.3	65.8	66.3	67.1	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE1500	69.0	70.9	71.6	72.6	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE1600	72.6	73.9	74.6	75.9	76.5	76.7	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE1700	74.6	76.1	77.2	78.3	79.2	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE1800	74.7	76.1	77.1	78.5	79.5	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE1900	75.5	77.1	78.1	79.6	80.6	81.2	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE2000	76.3	78.0	79.0	80.5	82.0	82.6	82.7	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE2100	76.7	78.7	79.7	81.7	82.9	83.8	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE2200	76.8	78.9	79.9	82.0	83.4	84.6	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE2300	77.0	79.1	80.2	82.2	83.1	84.5	85.5	86.1	86.3	86.3	86.3	86.3	86.5	86.5	86.5	86.5
GE2400	77.0	79.1	80.2	82.3	83.4	84.6	85.9	86.7	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0
GE2500	77.0	79.3	80.4	82.4	84.5	85.9	87.4	88.6	88.8	88.8	88.8	88.8	88.9	88.9	88.9	88.9
GE2600	77.0	79.3	80.4	82.6	84.5	86.9	89.6	90.6	91.0	91.0	91.0	91.0	91.1	91.1	91.1	91.1
GE2700	77.0	79.4	80.5	83.0	86.0	88.0	91.2	93.5	94.0	94.3	94.3	94.3	94.4	94.4	94.4	94.4
GE2800	77.0	79.4	80.5	83.0	86.1	88.3	91.7	94.4	94.9	95.6	96.1	96.1	96.5	96.5	96.5	96.5
GE2900	77.0	79.4	80.5	83.0	86.2	88.5	92.0	94.9	95.6	96.5	97.4	97.5	98.6	98.6	98.7	98.8
GE3000	77.0	79.4	80.5	83.0	86.2	88.5	92.0	94.9	95.6	96.5	97.5	97.6	98.9	98.9	99.1	99.4
GE3100	77.0	79.4	80.5	83.0	86.2	88.5	92.0	94.9	95.6	96.5	97.5	97.6	98.9	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 950

AIR WEATHER SERVICE/MAC — CUMULATIVE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
AFGWC — FROM HOURLY OBSERVATIONS
AWS = AIR WEATHER SERVICE/MAC

STATION NUMBER: 72506 STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 1800-2000

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 7	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
ALL	43.1	44.1	44.3	44.6	45.2	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.5	
25000	48.2	48.9	49.4	49.6	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4	
18000	47.8	49.5	49.9	50.2	51.1	51.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2
16000	46.4	49.3	49.9	50.2	51.1	51.2	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2
14000	47.9	50.6	51.0	51.4	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7
12000	49.9	52.7	53.1	53.6	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6
10000	52.7	55.3	55.7	55.8	57.1	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.2	57.2
9000	53.6	56.1	56.6	56.8	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7	57.7
8000	55.5	59.1	59.6	59.7	61.0	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2
7000	56.7	59.6	60.2	60.3	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8
6000	57.7	61.2	61.9	61.9	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.4	63.4
5000	59.7	62.5	63.1	63.2	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.7	64.7
4500	60.6	63.9	64.7	64.8	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.1	66.1
4000	61.7	66.0	66.7	66.8	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5
3500	67.3	67.9	68.7	68.9	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6
3000	68.6	72.1	73.1	73.4	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7
2500	69.1	74.3	75.2	75.6	77.6	77.6	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.0	78.0
2200	70.2	77.0	78.0	78.0	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4
2000	70.2	77.0	78.0	78.0	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4
1800	70.5	78.0	79.4	80.0	83.0	83.0	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6
1600	70.6	78.0	80.0	81.1	83.9	83.9	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4
1500	70.7	78.7	80.0	81.4	84.4	84.4	84.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0
1400	70.7	78.0	80.0	81.2	84.9	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4
1300	70.7	79.0	81.1	82.0	85.5	85.5	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.5	86.5
1200	71.0	79.5	81.7	82.9	86.6	86.7	87.4	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.9	87.9
1100	71.2	80.1	82.2	83.7	87.5	87.6	88.2	88.2	88.2	88.2	88.8	88.8	88.8	88.8	88.9	88.9
1000	71.2	80.1	82.3	84.1	88.4	88.6	90.0	90.4	90.6	90.7	90.7	90.7	90.7	90.7	90.8	90.8
900	71.2	80.1	82.4	84.2	89.3	90.0	91.9	92.6	93.0	93.1	93.1	93.1	93.1	93.1	93.2	93.2
800	71.2	80.1	82.4	84.3	90.2	90.7	93.2	94.3	94.7	94.9	94.9	94.9	95.2	95.2	95.4	95.4
700	71.4	80.3	82.6	85.0	90.8	91.0	93.8	95.1	95.6	96.9	97.2	97.5	98.3	98.3	98.4	98.4
600	71.4	80.3	82.6	85.0	90.8	91.0	93.8	95.1	95.6	97.0	97.5	97.9	99.1	99.2	99.9	100.0
500	71.4	80.3	82.6	85.0	90.8	91.0	93.8	95.1	95.6	97.0	97.5	97.9	99.1	99.2	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 496

FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72295 STATION NAME: LOS ANGELES MA

PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 7	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
GE CEIL	47.4	48.4	47.5	47.4	47.4	47.4	47.6	47.6	47.8	47.9	47.9	47.9	48.1	48.1	48.1	48.3
GE 25000	48.9	48.7	49.6	49.7	49.7	49.7	49.9	50.1	50.1	50.2	50.2	50.2	50.3	50.3	50.3	50.5
GE 18000	49.1	49.1	50.1	50.3	50.4	50.4	50.6	50.9	50.9	51.0	51.0	51.0	51.1	51.1	51.1	51.3
GE 10000	49.1	49.1	50.1	50.3	50.4	50.4	50.6	50.9	50.9	51.0	51.0	51.0	51.1	51.1	51.1	51.3
GE 14000	49.4	50.0	51.0	51.2	51.3	51.4	52.2	52.4	52.4	52.5	52.5	52.5	52.6	52.6	52.6	52.8
GE 12000	49.3	51.5	52.5	52.7	52.8	52.8	53.0	53.2	53.2	53.4	53.4	53.4	53.5	53.5	53.5	53.7
GE 10000	49.2	53.0	54.4	54.6	55.0	55.0	55.2	55.4	55.4	55.5	55.5	55.5	55.6	55.6	55.6	55.8
GE 9000	49.2	53.7	54.7	54.9	55.2	55.3	55.5	55.7	55.7	55.8	55.8	55.8	56.0	56.0	56.0	56.2
GE 8000	51.6	56.7	57.8	58.0	58.3	58.4	58.7	58.9	58.9	59.0	59.0	59.0	59.1	59.1	59.1	59.3
GE 7000	52.2	57.3	58.3	58.5	58.9	59.0	59.2	59.4	59.4	59.5	59.5	59.5	59.6	59.6	59.6	59.8
GE 6000	53.7	58.9	60.0	60.2	60.5	60.6	60.8	61.0	61.0	61.1	61.1	61.1	61.3	61.3	61.3	61.5
GE 5000	54.7	60.2	61.3	61.5	61.8	61.9	62.1	62.3	62.3	62.4	62.4	62.4	62.6	62.6	62.6	62.8
GE 4500	54.9	60.9	62.1	62.3	62.7	62.8	63.0	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.6
GE 4000	57.6	64.3	65.5	65.8	66.1	66.2	66.5	66.7	66.7	66.8	66.8	66.8	66.9	66.9	66.9	67.1
GE 3500	59.6	66.7	67.9	68.2	68.5	68.6	68.8	69.0	69.0	69.2	69.2	69.2	69.3	69.3	69.3	69.5
GE 3000	62.1	69.8	71.2	71.6	72.1	72.4	72.6	72.8	72.8	72.9	72.9	72.9	73.1	73.1	73.1	73.3
GE 2500	67.1	70.9	72.3	73.3	73.8	73.9	74.1	74.4	74.4	74.5	74.5	74.5	74.6	74.6	74.6	74.8
GE 2000	69.7	73.7	75.8	77.1	77.5	77.9	78.1	78.4	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.8
GE 1800	69.2	73.9	76.1	77.4	77.8	78.2	78.5	78.7	78.7	78.8	78.8	78.8	78.9	78.9	78.9	79.1
GE 1500	69.7	75.4	77.6	79.2	79.9	80.4	80.7	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.4
GE 1200	69.9	76.2	78.7	80.2	80.8	81.4	81.9	82.1	82.1	82.3	82.3	82.3	82.4	82.4	82.4	82.6
GE 1000	69.9	76.7	79.2	81.0	81.7	82.3	82.9	83.1	83.1	83.2	83.2	83.2	83.3	83.3	83.3	83.5
GE 900	69.2	77.2	79.6	81.5	82.2	82.8	83.5	83.8	83.8	83.9	83.9	83.9	84.0	84.0	84.0	84.2
GE 800	69.3	77.3	80.1	81.8	82.8	83.4	84.8	85.1	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.5
GE 700	69.3	77.4	80.6	82.7	84.2	84.8	86.4	86.7	86.7	86.8	86.8	86.8	86.9	86.9	86.9	87.1
GE 600	69.5	77.6	80.8	82.9	84.5	85.2	86.8	87.2	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.7
GE 500	69.5	78.0	81.6	83.8	85.5	86.2	88.2	88.6	88.6	88.9	88.9	88.9	89.0	89.0	89.0	89.2
GE 400	69.6	79.2	81.9	84.6	86.4	87.6	89.7	90.3	90.3	90.6	90.8	90.6	90.9	90.9	90.9	91.1
GE 300	69.6	78.4	82.1	84.8	87.7	89.0	91.9	92.9	93.0	93.7	93.7	93.8	94.0	94.0	94.0	94.3
GE 200	69.6	78.5	82.3	85.1	88.1	89.7	92.9	94.3	94.4	95.2	95.6	95.6	96.3	96.4	96.5	96.9
GE 100	69.6	78.5	82.3	85.1	88.1	89.7	93.0	94.4	94.5	95.5	95.9	96.0	97.5	97.8	98.6	99.1
	69.6	78.5	82.3	85.1	88.1	89.7	93.0	94.4	94.5	95.5	95.9	96.0	97.5	97.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 924

...AL CLIMATOLOGY BRANCH — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
...AFETAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: DEC HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	45.1	48.6	48.9	49.3	49.7	49.8	49.9	49.9	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.1
GE 20000	45.6	48.4	48.8	49.2	49.3	49.3	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.6	49.6
GE 18000	45.8	48.6	49.1	49.4	49.8	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.1
GE 16000	45.8	48.8	49.3	49.6	49.8	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.1	50.1
GE 14000	47.2	50.3	50.7	50.9	51.2	51.3	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.6
GE 12000	48.2	51.4	51.8	52.1	52.4	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7
GE 10000	50.7	54.1	54.6	54.8	55.3	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6
GE 9000	50.9	54.4	54.9	55.1	55.6	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9	55.9
GE 8000	53.7	57.7	58.2	58.4	58.9	59.0	59.1	59.2	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3
GE 7000	54.3	58.3	58.9	59.1	59.6	59.7	59.8	59.9	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0
GE 6000	55.5	59.6	60.2	60.5	61.0	61.1	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.5
GE 5000	56.7	61.1	61.7	62.1	62.6	62.7	62.8	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0
GE 4500	57.4	62.1	62.7	63.1	63.7	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.1
GE 4000	59.6	64.7	65.4	65.9	66.5	66.6	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0
GE 3500	60.9	66.1	66.9	67.4	68.1	68.1	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.5	68.5
GE 3000	64.1	70.6	71.6	71.6	72.5	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.1	73.1	73.1	73.1
GE 2500	65.8	72.3	73.3	74.1	75.0	75.2	75.4	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7
GE 2000	67.7	74.6	76.1	77.0	78.2	78.6	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.2
GE 1800	67.9	75.0	76.3	77.3	78.5	78.9	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.5
GE 1500	68.4	76.2	77.7	78.6	80.2	80.6	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.4	81.4
GE 1200	68.7	77.0	78.7	79.9	81.5	82.0	82.5	82.8	82.8	82.8	82.8	82.6	82.9	82.9	82.9	82.9
GE 1000	68.8	77.3	79.1	80.6	82.3	82.6	83.4	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8
GE 900	68.9	77.6	79.5	81.0	82.7	83.3	83.9	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.5	84.5
GE 800	68.9	77.8	79.9	81.6	83.6	84.2	85.0	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.8
GE 700	69.0	78.0	80.3	82.2	84.5	85.2	86.2	86.8	86.8	86.9	86.9	86.9	86.9	86.9	87.0	87.0
GE 600	69.1	78.3	80.8	82.9	85.5	86.2	87.5	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.6	88.6
GE 500	69.1	78.5	81.1	83.3	86.5	87.3	89.0	90.0	90.0	90.2	90.3	90.4	90.4	90.5	90.5	90.6
GE 400	69.1	78.5	81.3	83.8	87.4	88.6	90.8	92.2	92.3	92.7	92.9	92.9	93.0	93.0	93.0	93.1
GE 300	69.1	78.6	81.4	84.0	87.9	89.4	92.1	94.0	94.3	94.9	95.2	95.2	95.5	95.5	95.5	95.6
GE 200	69.1	78.6	81.4	84.1	88.1	89.6	92.6	94.6	95.1	96.2	96.8	96.9	97.6	97.7	97.8	97.9
GE 100	69.1	78.6	81.4	84.1	88.1	89.6	92.6	94.6	95.2	96.3	97.1	97.3	98.4	98.6	99.2	99.6
GE 0	69.1	78.6	81.4	84.1	88.1	89.6	92.6	94.6	95.2	96.3	97.1	97.3	98.4	98.6	99.4	100.0

TOTAL NUMBER OF OPSERVATIONS: 7465

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: ALL HOURS(LST): ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 5/16	GE 1/4	GE 0
NO CEIL	40.9	45.4	46.5	47.2	48.0	48.2	48.5	48.6	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8
GE 20000	44.0	48.9	50.1	50.9	51.8	52.0	52.3	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.7	52.7
GE 18000	44.2	49.2	50.4	51.2	52.1	52.3	52.6	52.8	52.8	52.9	52.9	52.9	53.0	53.0	53.0	53.0
GE 16000	44.3	49.2	50.4	51.2	52.1	52.3	52.7	52.8	52.8	52.9	52.9	52.9	53.0	53.0	53.0	53.0
GE 14000	45.6	50.8	52.1	52.9	53.9	54.1	54.5	54.6	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.9
GE 12000	46.4	51.8	53.1	54.0	54.9	55.2	55.6	55.7	55.7	55.8	55.9	55.9	55.9	55.9	55.9	56.0
GE 10000	48.8	54.7	56.1	57.1	58.1	58.4	58.8	59.0	59.0	59.1	59.1	59.1	59.2	59.2	59.2	59.2
GE 9000	49.1	55.0	56.4	57.4	58.5	58.7	59.1	59.3	59.3	59.4	59.5	59.5	59.5	59.5	59.5	59.6
GE 8000	51.4	57.8	59.4	60.4	61.6	61.8	62.3	62.5	62.5	62.6	62.6	62.6	62.7	62.7	62.7	62.7
GE 7000	52.1	58.6	60.1	61.2	62.3	62.6	63.1	63.3	63.3	63.4	63.4	63.4	63.5	63.5	63.5	63.5
GE 6000	53.1	59.8	61.4	62.4	63.7	63.9	64.4	64.6	64.6	64.7	64.8	64.8	64.8	64.8	64.9	64.9
GE 5000	54.6	61.7	63.4	64.6	65.8	66.1	66.6	66.8	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.1
GE 4500	55.3	62.6	64.3	65.5	66.8	67.1	67.6	67.8	67.8	68.0	68.0	68.0	68.1	68.1	68.1	68.1
GE 4000	56.7	64.4	66.2	67.4	68.8	69.1	69.6	69.9	69.9	70.0	70.0	70.1	70.1	70.1	70.1	70.2
GE 3500	57.7	65.5	67.4	68.7	70.1	70.4	70.9	71.1	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.5
GE 3000	59.4	67.8	69.8	71.1	72.6	72.9	73.5	73.8	73.8	73.9	74.0	74.0	74.0	74.0	74.1	74.1
GE 2500	60.5	69.2	71.3	72.8	74.3	74.7	75.3	75.5	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.9
GE 2000	61.6	70.9	73.2	74.7	76.4	76.8	77.5	77.8	77.8	78.0	78.0	78.0	78.1	78.1	78.1	78.1
GE 1800	61.8	71.2	73.5	75.0	76.7	77.1	77.8	78.1	78.1	78.3	78.3	78.3	78.4	78.4	78.4	78.5
GE 1500	62.4	72.2	74.6	76.3	78.1	78.5	79.2	79.5	79.6	79.7	79.8	79.8	79.8	79.8	79.9	79.9
GE 1200	62.9	73.1	75.7	77.5	79.4	79.9	80.7	81.0	81.1	81.2	81.3	81.3	81.3	81.3	81.4	81.4
GE 1000	63.2	73.8	76.4	78.3	80.4	80.9	81.8	82.1	82.2	82.3	82.4	82.4	82.4	82.5	82.5	82.5
GE 900	63.3	74.1	76.8	78.8	80.9	81.5	82.4	82.8	82.9	83.0	83.1	83.1	83.1	83.2	83.2	83.2
GE 800	63.5	74.5	77.5	79.6	81.9	82.5	83.5	84.0	84.0	84.2	84.3	84.3	84.3	84.3	84.4	84.4
GE 700	63.7	75.0	78.1	80.4	83.0	83.6	84.8	85.3	85.4	85.6	85.7	85.7	85.8	85.8	85.8	85.8
GE 600	63.7	75.3	78.6	81.1	83.9	84.7	86.1	86.7	86.8	87.1	87.2	87.2	87.3	87.3	87.3	87.4
GE 500	63.8	75.6	79.2	82.0	85.3	86.2	88.0	88.9	89.1	89.4	89.6	89.6	89.7	89.7	89.8	89.8
GE 400	63.9	75.8	79.6	82.6	86.3	87.4	89.6	90.9	91.1	91.7	91.9	91.9	92.1	92.1	92.2	92.2
GE 300	63.9	75.9	79.7	82.9	87.0	88.2	90.7	92.5	92.8	93.7	94.1	94.2	94.5	94.5	94.6	94.7
GE 200	63.9	75.9	79.8	83.0	87.1	88.5	91.2	93.3	93.6	95.0	95.7	95.8	96.5	96.6	97.0	97.1
GE 100	63.9	75.9	79.8	83.0	87.2	88.5	91.3	93.4	93.8	95.4	96.3	96.4	97.5	97.7	98.7	99.2
GE 0	63.9	75.9	79.8	83.0	87.2	88.5	91.3	93.4	93.8	95.4	96.3	96.4	97.6	97.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 87571

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
MONTH: JAN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	32.0			18.7						11.5	37.2	5.3	905
03-05	30.8			20.1						8.4	40.7	5.4	905
06-08	15.2			25.1						18.1	41.6	6.5	906
09-11	12.4			24.9						21.2	41.4	6.8	910
12-14	11.1			27.7						20.0	41.3	6.8	911
15-17	9.2			30.7						20.4	39.8	6.7	913
18-20	22.0			27.4						11.3	39.3	5.8	912
21-23	29.4			22.0						11.2	37.4	5.4	911
TOTALS	20.3			24.6						15.3	39.8	6.1	7273

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
MONTH: FEB

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	37.4			13.4						10.5	38.6	5.2	828
03-05	36.0			13.6						9.0	41.4	5.4	822
06-08	18.3			24.0						17.0	40.7	6.3	825
09-11	13.4			26.1						19.5	39.1	6.5	827
12-14	12.7			26.2						20.4	40.7	6.7	828
15-17	15.7			24.1						19.0	41.2	6.6	827
18-20	24.1			20.7						16.3	38.9	6.0	830
21-23	33.1			17.4						12.0	37.5	5.4	826
TOTALS	23.6			20.9						15.5	39.8	6.0	6613

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	30.1			17.0						9.5	42.6	5.7	901
03-05	29.1			16.9						10.6	43.4	5.8	894
06-08	15.3			24.6						17.4	42.7	6.6	909
09-11	13.8			26.5						18.8	40.9	6.6	911
12-14	13.1			27.6						20.5	38.9	6.6	918
15-17	13.2			27.2						19.8	39.8	6.6	915
18-20	18.7			24.6						16.5	40.1	6.2	916
21-23	29.5			18.5						9.4	42.6	5.7	918
TOTALS	20.4			23.0						15.3	41.4	6.2	7282

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: APR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	29.5			16.5						12.3	41.7	5.8	889
03-05	25.0			20.3						13.5	41.3	5.9	892
06-08	16.4			21.1						21.1	39.4	6.5	876
09-11	12.4			26.5						23.2	37.9	6.7	869
12-14	13.6			24.3						21.0	41.1	6.7	889
15-17	12.5			25.7						19.2	42.6	6.8	890
18-20	15.9			23.6						17.6	42.7	6.6	894
21-23	27.5			17.9						14.1	40.5	5.9	897
TOTALS	19.4			22.6						17.8	40.9	6.4	7111

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
MONTH: MAY

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	23.2			17.4						13.2	46.2	6.3	914
03-05	15.9			20.9						15.2	48.0	6.6	917
06-08	12.1			21.7						22.1	44.2	7.1	919
09-11	10.3			25.7						25.0	38.0	6.9	923
12-14	9.0			26.9						29.1	35.1	6.9	912
15-17	9.2			29.0						27.3	34.5	6.8	918
18-20	8.8			29.4						21.9	39.9	6.8	919
21-23	16.7			25.1						14.5	43.7	6.4	911
TOTALS	13.2			24.6						21.0	41.2	6.8	7333

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
MONTH: JUN

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	25.5			22.7						10.5	41.3	5.8	865
03-05	17.7			25.6						13.9	43.5	6.3	872
06-08	16.0			27.6						17.6	39.1	6.3	869
09-11	13.7			29.4						21.3	35.6	6.4	868
12-14	8.2			42.9						24.1	34.9	6.6	869
15-17	8.4			33.1						27.3	31.3	6.6	873
18-20	7.8			34.5						23.4	34.2	6.6	892
21-23	17.6			31.1						14.8	37.5	6.0	880
TOTALS	14.4			29.3						19.1	37.2	6.3	6968

USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
MONTH: JUL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	26.4			19.2						14.5	39.9	5.9	860
03-05	16.5			29.1						15.7	42.8	6.4	881
06-08	11.3			26.6						25.6	36.4	6.7	868
09-11	9.8			32.1						27.3	30.8	6.5	862
12-14	5.1			37.7						29.0	28.3	6.6	864
15-17	6.3			39.6						30.2	23.9	6.3	888
18-20	6.9			34.7						29.3	29.2	6.6	888
21-23	17.5			26.2						17.9	36.4	6.1	851
TOTALS	12.5			30.4						23.7	33.5	6.4	7022

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
MONTH: AUG

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	18.9			25.7						16.1	39.4	6.2	869
03-05	15.4			22.3						15.6	46.7	6.7	874
06-08	9.9			24.2						24.5	41.5	7.1	902
09-11	7.4			30.7	.1					26.0	35.9	6.9	897
12-14	3.2			35.3						27.7	33.7	6.9	895
15-17	3.6			32.7						30.4	33.3	7.0	866
18-20	4.5			31.6						27.6	36.3	7.1	891
21-23	15.1			29.4						21.3	34.2	6.2	876
TOTALS	9.8			29.0	.0					23.7	37.6	6.8	7092

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: SEP

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	30.5			21.2						11.2	37.0	5.3	848
03-05	24.4			24.6						15.6	34.9	5.7	859
06-08	18.3			33.6						25.3	30.8	6.4	863
09-11	10.9			34.7						23.7	30.6	6.2	861
12-14	6.6			38.4						25.4	29.5	6.4	874
15-17	10.0			32.6						29.2	28.3	6.4	874
18-20	13.4			33.2						23.1	30.3	6.1	874
21-23	25.2			28.0						16.0	30.8	5.4	857
TOTALS	16.4			30.8						21.2	31.5	6.0	6930

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: OCT

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	25.4			20.7						16.7	37.3	5.9	891
03-05	22.3			22.6						18.7	36.5	6.0	894
06-08	11.6			25.6						25.1	35.2	6.6	911
09-11	10.3			21.9						25.7	32.1	6.5	919
12-14	7.6			24.6						29.0	29.4	6.6	916
15-17	9.8			33.4						23.5	33.2	6.4	918
18-20	16.6			31.2						17.3	35.1	6.0	911
21-23	25.0			27.0						16.6	35.3	5.7	895
TOTALS	16.1			25.1						21.0	34.3	6.2	7255

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
MONTH: NOV

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (EST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
03-05	24.6		19.6							11.7	44.2	6.1	883
06-08	18.2		20.6							20.5	42.8	6.9	865
09-11	8.5		18.2							25.1	42.1	7.1	863
12-14	8.2		20.6							25.4	37.8	6.9	886
15-17	8.3		20.4							25.1	37.2	6.9	868
18-20	17.2		26.3							16.8	40.6	6.3	890
21-23	22.4		20.5							13.4	41.8	6.1	861
TOTALS	15.7		24.6							18.3	41.3	6.5	7077

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 77-86
MONTH: DEC

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURS (EST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
03-05	28.7		17.7							6.7	43.9	5.8	906
06-08	14.3		24.6							16.8	42.4	6.7	912
09-11	10.3		24.6	.1						22.6	39.9	6.6	914
12-14	8.5		24.1							21.2	42.2	7.0	921
15-17	8.5		24.9							21.1	41.5	6.9	920
18-20	18.4		29.1							14.8	42.9	6.3	914
21-23	23.6		21.7							13.4	44.3	6.0	90[illegible]
TOTALS	17.3		24.1	.1						16.2	42.5	6.4	7298

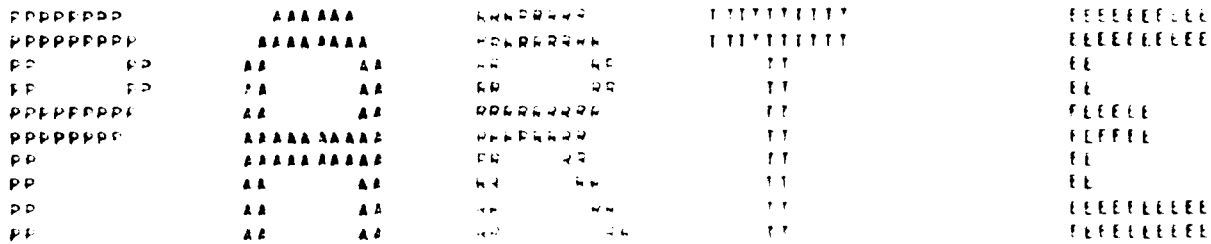
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CAPETAD
[illegible] WEATHER SERVICE/MAC

STATION NUMBERS [illegible] STATION NAME: [illegible] MA

PERIOD OF RECORD: 77-86
MONTH: ALL

PERCENTAGE FREQUENCY OF [illegible] TOTAL SKY COVER

MON	HOURS (EST)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	MEAN	TOTAL OBS
JAN	ALL	[illegible]	30.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FEB		[illegible]	27.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAR		[illegible]	25.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
APR		[illegible]	19.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAY		[illegible]	18.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUN		[illegible]	14.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
JUL		[illegible]	12.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
AUG		[illegible]	9.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SEP		[illegible]	15.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
OCT		[illegible]	19.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
NOV		[illegible]	19.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
DEC		[illegible]	17.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	TOTALS	[illegible]	19.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]



CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM, MINIMUM AND MEAN TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PERCENTAGE TABULATIONS PRESENTED FOR 5 DEGREE FAHRENHEIT INCREMENTS FOR THE MEAN, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNT.

THE MINIMUM TABLE ALSO INCLUDES A 70 FAHRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/CITIES DO NOT HAVE MAXIMUM/MINIMUM THERMOMETERS, THESE TEMPERATURES WERE SELECTED BY SCANNING THE HOURLY OBSERVATIONS FOR THE HIGHEST AND LOWEST VALUES.

STATISTICS DO NOT INCLUDE INCOMPLETE MONTHS (THOSE CONTAINING ASTERISKS).

FOUR OR MORE COMPLETE MONTHS ARE REQUIRED FOR COMPUTATION AND DISPLAY OF STATISTICAL VALUES.

EXTREME MAXIMUM AND MINIMUM VALUES

DATA DERIVED FROM SUMMARY OF DAY DATA.

PRESENTED ARE THE HIGHEST (LOWEST) TEMPERATURE FOR THE MONTH FOR EACH YEAR.

ALSO PRESENTED ARE STATISTICAL VALUES WITH THE SAME LIMITATIONS MENTIONED ABOVE.

AN ASTERISK INDICATES AN INCOMPLETE MONTH.

MEANS AND STANDARD DEVIATIONS FOR DRY BULB (WET BULB AND DEW POINT) TEMPERATURES

DATA DERIVED FROM HOURLY OBSERVATIONS.

DATA PRESENTED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE MEANS, STANDARD DEVIATION AND OBSERVATION COUNTS.

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PERCENTAGE VALUES PRESENTED IN 10 DEGREE INCREMENTS OF RELATIVE HUMIDITY.

ALSO PRESENTED ARE THE MEAN VALUES AND OBSERVATION COUNTS.

[illegible]
[illegible]
AIR WEATHER SERVICE/MAC

STATION NUMBER: [illegible] [illegible] PERIOD OF RECORD: 42-44, 48-88

TEMP(F)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE	90						.3	.0	.4					.1
GE	85						[illegible]	[illegible]	1.[illegible]	.7				.[illegible]
GE	80					.7	4.8	12.4	8.4	2.8				[illegible]
GE	75				.3	[illegible]	[illegible]	[illegible]	[illegible]	16.[illegible]	.0			[illegible]
GE	70			.1	1.[illegible]	[illegible]	71.7	75.[illegible]	[illegible]	38.8	[illegible]			19.[illegible]
GE	65				[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15.3	.9		[illegible]
GE	60			.[illegible]	9.4	45.[illegible]	87.4	99.[illegible]	98.[illegible]	77.9	36.1	5.1	.[illegible]	36.[illegible]
GE	[illegible]	.[illegible]	.[illegible]	[illegible]	31.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	17.7	[illegible]	46.7
GE	50	3.[illegible]	7.[illegible]	9.[illegible]	91.[illegible]	97.7	[illegible]	[illegible]	[illegible]	99.1	[illegible]	[illegible]	9.9	[illegible]
GE	[illegible]	11.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE	45	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE	40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE	35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE	25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE	15	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE	10	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
GE	5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SD		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TOTAL OBS		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CENTRAL CLIMATOLOGY BRANCH — CUMULATIVE FREQUENCIES OF OCCURRENCE OF MINIMUM TEMPERATURES
USAFETAC — FROM SUMMARY OF DAY DATA
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725060 — STATION NAME: CITY AIRPORT MA — PERIOD OF RECORD: 48-64, 48-86

TEMP(F)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE	75							.3	.7					.1
GE	70						.3	11.2	11.6	2.8				2.2
GE	65					.1	7.6	44.2	37.7	12.5	.4			9.9
GE	60					1.3	25.3	78.6	69.4	29.7	3.1			19.2
GE	55				.3	12.3	65.7	95.1	93.6	53.9	17.3	2.5	.2	27.9
GE	50	.4	.1	.1	3.3	35.3	94.7	99.7	96.3	76.1	36.3	9.1	1.3	37.1
GE	45	.7	.5	1.1	18.7	65.4	98.1	100.0	99.7	91.9	56.3	21.3	3.3	45.8
GE	40	3.4	2.7	4.4	46.7	90.3	100.0			96.5	74.3	34.3	10.4	55.4
GE	35	11.8	11.7	17.3	70.9	98.4				100.0	90.9	50.8	23.1	66.5
GE	32	16.4	17.4	24.3	1..	99.4					95..	64.9	30.3	7..6
GE	30	26.4	27.5	36.7	92.7	99.9					98.7	82.3	43.5	77.4
GE	25	44.4	42.8	56.4	98..	100.0					99.4	95..	61.3	85.5
GE	20	63.9	67.3	80.9	99.9						100.0	98.7	77.8	91.5
GE	15	77..	84.0	96.3	100.0							99.4	89.1	96.7
GE	10	88.5	91.1	99.2								100.0	95.6	97.9
GE	5	96.1	97..	99..									98.4	99.3
GE	0	99.3	99.7	100.0									99.1	99.8
GE	-5	99.8	99.7										99.9	100.0
GE	-10	99.9	100.0										100.0	100.0
GE	-15	100.0												100.0
MEAN		32.4	33.0	39..	56..	67.1	80.7	89.4	87.4	75.1	49.9	37.4	27.1	62.4
STD		10.199	9.533	7.914	6.172	6.232	5.617	4.971	5.877	7.497	8.345	8.402	10.197	16.177
TOTAL OBS		1240	1120	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14887

GLOBAL CLIMATOLOGY BRANCH — [illegible] FREQUENCIES OF MEAN TEMPERATURES
USAFETAC — FROM SUMMARY OF DAY DATA
AIR WEATHER SERVICE/MAC

STATION NUMBER: [illegible] STATION NAME: [illegible] PERIOD OF RECORD: 42-44, 48-86

TEMP(F)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE	85								.2					.0
GE	80						.3	.1	.6	.5				.6
GE	75					.1	4.1	23.2	19.7	5.6				8.3
GE	70					.2	25.4	69.1	52.5	17.6	.9			11.9
GE	65				.7	3.8	71.6	91.2	84.7	40.4	7.7	.4		23.6
GE	60			.2	.2	17.3	93.7	99.7	97.2	77.8	23.4	3.1	.1	33.2
GE	55	.2		.3	1.2	54.6	98.6	100.0	99.7	89.6	47.5	10.8	1.3	42.2
GE	50	1.2	.6	3.3	7.3	82.3	99.9		100.0	99.0	76.6	26.2	6.1	51.1
GE	45	5.4	3.8	14.7	35.7	96.7	100.0			100.0	88.7	50.8	18.6	60.7
GE	40	16.2	13.2	32.2	65.2	100.0					96.3	74.9	40.6	71.2
GE	35	32.6	26.6	46.7	87.7						99.9	90.7	52.1	81.2
GE	30	53.1	47.7	68.8	96.8						100.0	98.4	71.7	88.8
GE	25	72.7	71.5	85.2	99.7							99.8	85.4	94.2
GE	20	86.2	91.4	95.7	100.0							100.0	94.2	97.4
GE	15	94.3	96.5	99.3									98.2	99.0
GE	10	98.9	99.1	100.0									99.3	99.8
GE	5	99.7	99.7										99.8	99.9
GE	0	100.0	100.0										99.9	100.0
GE	-5												100.0	100.0
MEAN		40.2	37.9	47.1	62.2	75.6	84.5	94.2	89.6	73.0	53.8	44.7	34.6	58.1
SD		9.49	9.84	7.85	6.37	6.19	3.76	4.00	5.35	6.745	7.312	7.628	9.402	16.061
TOTAL OBS		1240	1132	1240	1160	1279	1172	1279	1271	1155	1240	1184	1270	14446

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

STATION NUMBER, [illegible] STATION NAME: [illegible] PERIOD OF RECORD: 42-44, 46-66

MONTHLY MEAN TEMPERATURES IN DEGREES FAHRENHEIT

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42										71		59	
43	49	51	61	67	77	90	84	88	80	75	64	53	96
44	49	47	61	*65									
45											*65	58	
46	51	53	67	69	81	93	96	96	82	82	62	62	99
50	58	51	65	*65	71	85	87	82	80	82	73	60	87
1	59	53	67	7[illegible]	8[illegible]	8[illegible]	87	84	81	72	68	59	87
52	56	[illegible]	64	73	75	97	94	86	89	75	68	53	97
53	56	51	67	69	76	88	89	93	89	78	70	62	93
54	55	58	67	74	87	84	86	84	79	81	62	58	88
55	48	52	65	72	85	89	92	91	79	82	59	48	92
56	43	52	59	68	80	90	87	86	81	78	74	61	90
57	55	51	66	72	81	91	89	86	82	73	65	65	90
58	53	48	58	68	79	91	88	82	80	76	64	55	86
59	59	51	61	71	82	90	89	89	86	79	70	56	92
60	56	54	59	77	79	84	84	84	82	71	62	53	84
61	51	53	62	72	77	85	87	87	85	77	72	55	87
62	55	56	62	73	76	82	82	82	77	71	59	61	83
63	52	46	65	71	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	52	56	66	85	84	89	86	81	74	68	65	89
66	55	56	59	67	81	84	88	84	86	75	69	60	88
67	60	51	67	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	60	56	92
70	45	52	54	70	84	87	89	86	81	77	63	57	86
71	51	51	61	69	77	86	91	89	85	80	70	62	91
72	57	58	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	57	52	59	72	76	88	86	83	*81	75	68	56	88

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

CONTINUED ON NEXT PAGE....

U.S. WEATHER SERVICE/AAC

STATION NUMBER: 75[illegible] STATION NAME: [illegible] AK

PERIOD OF RECORD: 42-44, 48-06

HOURLY TEMPERATURE IN DEGREES FAHRENHEIT

-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
75	59	[illegible]	64	67	[illegible]	[illegible]	[illegible]	98	76	73	72	63	98
76	57	62	59	67	78	84	86	88	84	72	61	55	88
77	48	[illegible]	[illegible]	77	87	78	89	87	83	71	*69	*58	89
78	54	48	59	68	78	87	86	*84	*74	73	65	62	87
79	63	[illegible]	66	77	82	79	91	87	81	81	72	60	91
80	56	53	57	69	80	86	91	91	87	74	64	54	91
81	43	57	64	69	80	82	86	92	80	65	62	55	86
82	53	56	57	69	81	77	87	80	81	74	70	65	87
83	57	[illegible]	[illegible]	81	76	95	93	90	91	78	66	61	95
84	51	58	52	75	74	91	85	86	80	74	67	61	91
85	57	52	69	73	81	86	96	89	91	80	67	61	91
86	55	46	65	67	82	81	86	81	77	78	64	59	86
MEAN	54.2	52.7	60.1	71.3	79.7	85.9	88.6	86.6	82.8	75.5	66.1	58.6	90.1
[illegible]	4.447	4.[illegible]6	5.425	4.277	4.111	4.503	3.177	4.372	4.310	3.948	3.944	3.573	3.825
TOTAL OBS	1240	1136	1240	1195	1209	1170	1209	1201	1155	1240	1184	1270	14446

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725000 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 42-44, 48-86

WHOLE DEGREES FAHRENHEIT

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
42										30		-10	
43	5	-6	7	20	34	51	53	53	47	33	25	0	-8
44	7	7	11	#2[illegible]									
48											*31	7	
49	16	6	12	32	39	46	53	52	42	36	16	13	6
50	8	[illegible]	3	#28	35	49	53	52	39	32	26	-1	-1
51	9	[illegible]	[illegible]	31	38	47	54	53	37	33	15	9	9
52	6	14	16	29	37	48	53	51	43	29	24	10	6
53	15	1	11	37	40	47	51	52	41	35	31	12	10
54	1	[illegible]	21	19	35	46	53	51	45	36	27	15	0
55	11	-1	19	29	40	43	54	52	43	32	21	-2	-2
56	6	11	17	30	31	48	54	51	39	33	20	9	6
57	-7	16	20	26	37	45	55	51	36	35	17	17	-7
58	6	-2	26	31	37	41	57	56	43	35	18	5	-2
59	5	1	16	27	40	47	56	53	43	30	22	9	1
60	10	21	10	28	42	55	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	53	48	38	26	27	-4	-4
63	6	[illegible]	19	27	38	49	55	50	40	32	20	3	2
64	2	11	23	24	34	45	55	48	44	32	22	13	2
65	-1	7	19	21	36	45	47	44	42	31	24	14	-1
66	8	4	27	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	19	27	33	49	53	47	36	25	17	11	10
70	-12	3	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	28	34	43	49	49	45	26	17	13	1
73	3	[illegible]	17	28	33	44	56	55	39	35	22	16	2
74	4	11	17	35	38	40	52	55	*39	28	23	16	4

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

CONTINUED ON NEXT PAGE....

[illegible] CLIMATOLOGY BRANCH
AIR WEATHER SERVICE/MAC

MONTHLY VALUES OF MINIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 725160 STATION NAME: OTIS ANGB MA PERIOD OF RECORD: 42-44, 48-86

WHOLE DEGREES FAHRENHEIT
-M-O-N-T-H-S-

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
75	11	7	10	24	38	43	53	49	40	31	26	9	5
76	-5	7	16	23	38	43	52	46	41	28	23	5	-5
77	3	2	21	24	35	46	50	50	45	32	*26	*11	3
78	12	6	17	27	35	46	48	*57	*40	34	23	18	6
79	11	2	20	33	40	49	54	54	39	33	32	11	3
80	13	13	9	35	45	46	59	57	45	31	22	-1	-1
81	-9	6	20	29	32	49	53	44	43	30	26	15	-9
82	2	9	16	20	38	45	51	44	44	34	23	5	2
83	7	14	24	34	39	50	53	53	44	33	32	7	7
84	2	13	10	33	38	48	55	54	42	33	27	23	2
85	9	11	20	26	33	50	55	52	45	32	31	12	9
86	8	15	10	30	35	42	52	44	36	31	19	18	8
MEAN	4.9	8.1	15.4	27.7	38.2	45.9	53.3	50.8	41.5	31.7	23.3	8.8	1.0
S.D.	6.259	6.341	5.788	4.632	3.391	3.102	2.850	3.373	2.785	3.397	4.625	6.946	5.914
TOTAL OBS	1240	1136	1240	1195	1209	1170	1209	1202	1155	1240	1184	1270	14447

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

HOURLY TEMPERATURES DEG F FROM HOURLY OBSERVATIONS — MEANS AND STANDARD DEVIATIONS

STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	MEAN	[illegible]	29.7	35.7	42.8	51.4	59.3	65.9	65.6	59.2	50.6	44.0	35.2	47.3
	SD	[illegible]	[illegible]	7.652	6.421	6.546	5.241	5.101	6.094	7.843	8.459	8.926	9.911	15.090
	TOT OBS	[illegible]	[illegible]	929	900	930	900	930	909	852	930	891	913	10838
	MEAN	27.2	29.6	34.8	41.9	50.7	58.4	65.0	64.8	58.2	49.7	43.5	34.5	46.5
	SD	11.021	9.969	8.190	6.744	6.640	5.391	5.435	6.369	8.009	8.660	9.118	10.155	15.225
	TOT OBS	914	840	930	900	930	900	930	909	851	930	891	906	10831
	MEAN	26.8	28.5	35.5	41.2	50.5	62.5	68.4	67.3	60.5	50.8	43.8	34.4	46.2
	SD	11.373	10.066	8.333	6.747	6.641	5.596	5.323	5.968	7.601	8.287	9.179	10.401	16.343
	TOT OBS	924	842	930	900	930	900	930	908	847	929	889	913	10842
	MEAN	30.1	32.7	40.4	49.6	59.9	68.8	74.2	72.8	66.7	56.8	48.3	37.8	53.1
8-11	SD	10.546	9.301	8.399	7.576	7.685	7.625	6.178	6.294	7.265	7.169	8.406	9.576	16.945
	TOT OBS	930	840	929	900	930	900	930	907	844	930	889	923	10852
	MEAN	33.6	35.8	43.1	51.7	62.0	69.9	76.4	74.9	68.9	58.9	50.5	40.1	55.5
12-14	SD	9.612	8.598	8.470	8.064	7.997	7.398	6.393	6.575	7.628	7.328	8.148	8.886	16.677
	TOT OBS	927	841	930	899	929	900	930	904	847	930	888	921	10846
	MEAN	32.7	35.8	42.6	50.7	60.5	66.6	75.3	73.8	67.3	57.3	48.7	39.5	54.4
15-17	SD	9.134	8.018	7.737	7.492	7.457	6.987	6.028	6.139	7.016	7.017	7.629	8.612	16.169
	TOT OBS	930	840	930	900	930	900	930	906	853	930	890	922	10861
	MEAN	30.4	32.9	39.0	46.7	55.9	64.4	70.8	69.5	62.7	53.2	45.7	36.6	50.7
18-20	SD	9.666	8.178	6.704	5.983	6.371	5.895	5.125	5.612	6.626	7.603	7.818	9.287	15.415
	TOT OBS	929	838	929	900	929	900	929	906	855	930	891	918	10850
	MEAN	29.6	31.6	37.0	44.2	53.8	60.9	67.4	66.7	60.4	51.4	44.5	35.5	48.4
21-23	SD	10.412	8.779	6.958	6.861	6.119	5.186	4.759	5.800	7.144	8.285	8.432	9.723	15.602
	TOT OBS	927	837	929	899	929	900	928	906	857	930	891	914	10847
	MEAN	29.7	31.9	38.5	46.3	56.0	64.0	70.4	69.4	63.0	53.6	46.1	36.6	50.5
ALL	SD	10.555	9.561	8.394	7.751	8.071	7.414	6.946	7.130	8.331	8.548	8.834	9.785	16.194
HOURS	TOT OBS	7395	6714	7436	7198	7437	7200	7437	7259	6806	7439	7120	7330	86767

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	MEAN	25.3	26.7	32.6	39.8	48.9	56.6	63.2	63.1	56.4	47.7	40.6	32.1	44.3
00-02	SD	10.854	9.996	8.366	7.026	7.181	6.661	5.902	6.663	8.307	9.094	9.589	10.286	15.488
	TOT OBS	887	814	903	900	930	894	930	832	741	837	818	896	10382
	MEAN	24.6	25.8	32.0	39.0	48.3	55.9	62.5	62.5	55.8	46.9	40.3	31.6	43.7
03-05	SD	11.161	10.224	8.816	7.346	7.422	6.876	6.234	6.928	8.539	9.091	9.796	10.362	15.615
	TOT OBS	887	813	904	900	930	894	930	831	738	837	816	886	10368
	MEAN	24.2	25.7	32.5	40.6	50.9	58.5	64.5	64.2	57.5	47.9	40.7	31.5	44.8
06-08	SD	11.474	10.333	8.894	7.191	6.998	5.529	5.660	6.343	7.976	8.824	9.821	10.547	16.284
	TOT OBS	897	814	902	900	930	895	930	831	733	836	816	894	10378
	MEAN	26.8	28.9	35.6	43.5	53.6	60.8	66.5	66.5	60.4	51.2	43.7	34.0	47.5
09-11	SD	10.631	9.582	8.579	7.327	7.422	6.664	5.782	6.144	7.123	8.000	9.256	9.891	15.922
	TOT OBS	901	814	895	898	926	900	930	836	737	837	822	905	10403
	MEAN	29.0	31.0	37.1	44.6	54.6	61.6	67.4	67.1	61.1	52.1	44.7	35.3	48.7
12-14	SD	9.713	8.715	8.112	7.244	7.436	6.105	5.853	6.213	7.138	7.832	8.781	9.214	15.381
	TOT OBS	903	821	902	896	926	900	930	827	740	837	820	905	10407
	MEAN	28.8	31.1	36.8	44.0	53.7	61.0	66.9	66.7	60.3	51.3	43.4	34.5	48.1
15-17	SD	9.336	8.446	7.594	6.659	7.140	5.856	5.651	5.984	6.979	7.821	8.371	9.052	15.147
	TOT OBS	907	826	906	898	930	900	930	826	744	837	823	906	10429
	MEAN	27.2	29.1	34.7	42.1	51.5	59.1	65.3	65.1	58.4	49.3	41.6	33.0	46.3
18-20	SD	9.905	8.677	7.804	6.335	6.775	5.459	5.359	6.032	7.090	8.439	8.712	9.756	15.199
	TOT OBS	904	827	904	900	929	899	928	828	744	837	822	902	10404
	MEAN	26.2	27.8	33.6	40.8	50.6	57.6	64.1	63.9	57.2	48.1	40.8	32.4	45.1
21-23	SD	10.621	9.236	7.704	6.689	6.759	5.455	5.606	6.321	7.700	8.928	9.220	10.184	15.308
	TOT OBS	898	810	905	899	929	893	926	828	746	837	822	899	10392
	MEAN	26.5	28.2	34.4	41.6	51.4	58.9	65.5	64.9	58.4	49.3	42.0	33.1	46.1
ALL	SD	10.609	9.632	8.396	7.249	7.466	6.090	5.998	6.541	7.643	8.715	9.338	10.005	15.643
HOURS	TOT OBS	7184	6513	7221	7191	7432	7175	7434	6641	5923	6695	6559	7195	83163

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	MEAN	17.0	19.0	26.2	35.4	46.2	54.3	61.3	61.6	54.2	44.5	36.1	25.8	40.1
00-02	SD	15.076	14.461	12.746	9.783	8.896	6.919	7.143	7.456	9.472	10.999	12.425	14.030	16.861
	TOT OBS	887	814	903	900	930	894	930	832	741	837	818	896	10382
	MEAN	16.6	18.2	25.8	34.8	45.9	53.8	60.7	61.1	53.6	43.9	36.0	25.5	39.6
03-05	SD	15.211	14.568	12.943	10.096	9.037	7.121	7.455	7.691	9.659	10.791	12.420	13.767	18.894
	TOT OBS	887	813	904	900	930	894	930	831	738	837	816	888	10368
	MEAN	16.3	18.1	26.2	35.5	47.3	55.3	61.9	62.2	55.2	44.6	36.6	25.4	40.3
06-08	SD	15.506	14.596	13.605	10.316	9.291	7.190	7.099	7.335	9.112	10.663	12.317	13.728	19.356
	TOT OBS	897	814	902	900	930	895	930	831	733	836	816	894	10378
	MEAN	18.2	20.0	26.9	35.4	47.5	55.4	61.7	62.7	55.7	45.8	38.1	26.8	41.1
09-11	SD	15.048	14.348	13.278	11.275	10.788	8.271	7.977	7.769	9.081	10.881	12.517	13.814	19.120
	TOT OBS	901	814	895	898	928	900	930	836	737	837	822	905	10403
	MEAN	19.3	20.9	27.2	35.4	47.5	55.6	61.9	62.4	55.4	45.8	37.5	26.7	41.2
12-14	SD	14.515	13.765	12.719	11.181	10.868	8.306	8.172	8.109	9.298	10.943	12.484	13.689	18.830
	TOT OBS	903	821	902	896	926	900	930	827	740	837	820	905	10407
	MEAN	19.2	21.0	27.2	35.4	47.1	55.4	61.6	62.3	55.1	45.6	36.6	26.1	40.9
15-17	SD	14.372	13.825	12.267	10.691	10.403	8.066	7.977	7.871	9.117	10.960	12.080	13.650	18.681
	TOT OBS	907	820	906	898	930	900	930	828	744	837	823	906	10429
	MEAN	18.6	20.4	27.1	35.7	47.0	55.1	61.7	62.2	55.2	45.4	36.3	25.9	40.8
18-20	SD	14.589	13.685	12.006	10.071	9.287	7.247	7.202	7.422	8.579	10.735	12.071	13.907	18.608
	TOT OBS	904	817	904	900	929	899	928	828	744	837	822	902	10404
	MEAN	17.9	19.7	27.0	36.1	47.1	55.0	61.9	62.1	54.7	44.7	35.8	25.8	40.5
21-23	SD	14.972	14.041	12.163	9.815	8.573	6.723	7.041	7.182	8.979	10.861	12.352	14.109	18.721
	TOT OBS	898	816	905	899	929	893	926	828	746	837	822	899	10392
	MEAN	17.9	19.7	26.7	35.5	46.9	55.0	61.8	62.1	54.9	45.0	36.6	26.0	40.5
ALL	SD	14.945	14.207	12.651	10.417	9.690	7.525	7.527	7.621	9.180	10.869	12.350	13.839	18.691
HOURS	TOT OBS	7184	6513	7221	7191	7432	7175	7434	6641	5923	6695	6559	7195	83163

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725087 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JAN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	100.0	99.3	94.0	76.4	57.3	36.8	20.5	4.7	64.3	887
	03-05	100.0	100.0	99.7	93.9	78.1	59.1	38.4	21.3	6.0	65.3	867
	06-08	100.0	100.0	99.2	94.1	79.4	60.3	38.9	21.5	6.6	65.5	897
	09-11	100.0	100.0	98.9	90.2	72.4	49.5	33.6	20.1	5.8	62.5	901
	12-14	100.0	100.0	96.6	82.8	60.8	42.7	28.7	17.3	4.7	58.9	903
	15-17	100.0	99.8	96.1	82.0	64.2	46.4	29.7	17.4	4.6	59.4	907
	18-20	100.0	99.7	98.0	88.6	71.1	56.0	37.6	18.4	4.9	63.1	904
	21-23	100.0	99.7	99.1	91.0	74.6	56.6	39.4	21.0	5.9	64.3	898
	TOTALS	100.0	99.9	98.4	89.6	72.1	53.5	35.4	19.7	5.4	62.9	7184

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: FEB

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	97.7	92.5	79.6	63.0	43.7	25.4	5.8	66.3	814
	03-05	100.0	100.0	98.0	93.3	81.1	62.0	42.9	26.9	5.8	66.7	813
	06-08	100.0	100.0	98.8	94.1	81.4	62.9	41.3	23.6	4.3	66.4	814
	09-11	100.0	100.0	96.7	84.1	69.9	49.8	31.9	17.1	4.5	61.3	814
	12-14	100.0	99.9	95.9	87.6	58.7	38.4	26.4	15.2	2.6	57.1	821
	15-17	100.0	99.4	92.9	80.2	59.0	40.2	26.8	17.0	4.0	57.4	821
	18-20	100.0	99.6	95.6	87.6	71.7	53.0	34.4	19.5	5.9	62.3	807
	21-23	100.0	100.0	98.8	93.1	78.5	60.5	42.6	23.1	5.4	65.3	811
	TOTALS	100.0	99.9	96.4	89.4	72.2	53.4	36.2	21.0	4.8	62.8	6513

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	98.7	91.1	82.6	69.8	54.7	37.4	13.7	73.3	93
	03-05	100.0	100.0	99.6	93.5	83.7	71.7	55.7	39.8	13.9	71.4	904
	06-08	100.0	100.0	99.2	94.2	83.9	70.5	51.6	37.5	16.1	73.8	90
	09-11	100.0	100.0	95.9	87.7	69.8	46.7	32.5	23.7	10.4	61.3	899
	12-14	100.0	99.7	92.4	73.9	54.2	34.9	26.6	17.6	6.2	56.6	90
	15-17	100.0	96.6	87.9	77.7	58.5	43.4	27.9	17.5	6.5	57.6	90
	18-20	100.0	99.4	96.2	87.4	76.2	58.4	41.4	25.6	6.7	64.8	904
	21-23	100.0	99.9	98.1	91.2	82.7	69.7	52.5	32.4	13.0	69.3	95
	TOTALS	100.0	99.7	96.6	86.6	73.2	58.2	42.7	28.8	11.0	65.3	7221

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: APR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	100.0	100.0	100.0	99.4	93.0	82.4	64.8	42.6	18.0	76.0	900
	03-05	100.0	100.0	100.0	99.3	93.3	83.4	65.7	48.7	21.2	77.0	900
	06-08	100.0	100.0	99.4	96.8	87.1	74.2	56.2	39.2	18.6	73.1	900
	09-11	100.0	100.0	99.7	87.1	69.7	48.1	31.4	20.8	10.4	61.1	898
	12-14	100.0	99.4	91.6	77.3	57.6	41.2	27.7	16.6	8.6	57.2	898
	15-17	100.0	99.4	94.0	79.3	62.9	44.4	31.6	19.6	9.2	59.2	898
	18-20	100.0	99.7	97.4	91.4	82.4	68.2	45.6	29.4	11.1	68.3	900
	21-23	100.0	100.0	99.2	98.0	90.7	81.4	62.1	40.4	15.9	74.5	899
	TOTALS	100.0	99.7	97.1	89.2	74.8	64.8	46.2	32.2	14.1	68.3	7191

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725020 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: MAY

MONTH	HOURS (EST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	01-03	100.0	100.0	100.0	99.0	98.9	93.5	84.8	61.7	29.2	82.6	930
	04-06	100.0	100.0	100.0	100.0	99.4	95.9	86.1	65.1	32.3	83.9	930
	07-08	100.0	100.0	99.9	97.6	92.4	83.1	70.4	49.9	28.1	78.1	930
	09-11	100.0	99.8	97.6	88.1	72.3	58.6	40.7	30.1	15.5	66.5	928
	12-14	100.0	99.5	96.1	87.6	66.0	52.6	38.7	22.9	10.2	62.3	926
	15-17	100.0	99.9	97.2	84.9	69.8	55.5	41.5	26.3	9.8	64.2	930
	18-20	100.0	100.0	99.6	96.7	90.1	77.2	58.9	38.6	16.4	73.6	929
	21-23	100.0	100.0	99.9	97.6	97.6	93.7	83.9	55.9	23.5	80.8	929
	TOTALS	100.0	99.9	99.8	93.2	85.7	76.2	63.4	43.7	20.6	74.0	7432

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725500 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: JUN

MONTH	HOURS (EST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	99.7	95.9	85.5	66.4	30.5	83.9	894
	03-05	100.0	100.0	100.0	100.0	99.1	96.7	88.5	68.9	36.2	85.0	894
	06-08	100.0	100.0	100.0	99.4	95.9	83.7	69.7	50.1	23.7	78.4	895
	09-11	100.0	100.0	99.7	94.1	75.4	59.1	41.1	26.4	12.7	66.5	900
	12-14	100.0	100.0	100.0	87.1	69.2	50.4	34.1	21.2	9.0	63.0	900
	15-17	100.0	100.0	99.1	91.2	73.7	55.6	37.4	24.4	10.2	65.0	900
	18-20	100.0	100.0	99.8	97.6	89.2	76.9	58.2	38.4	13.9	73.2	899
	21-23	100.0	100.0	100.0	99.3	98.4	94.2	80.6	55.3	23.5	81.4	893
	TOTALS	100.0	100.0	99.8	96.4	87.5	76.5	61.9	43.7	19.9	74.6	7175

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 72508 STATION NAME: LOS ANGELES MA

PERIOD OF RECORD: 77-86
MONTH: JUL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	100.0	100.0	100.0	99.9	97.0	88.7	69.6	39.7	85.5	931
	03-05	100.0	100.0	100.0	100.0	99.7	98.1	91.4	72.0	41.9	86.4	931
	06-08	100.0	100.0	100.0	100.0	98.5	95.0	75.9	54.9	28.1	80.6	930
	09-11	100.0	100.0	99.5	99.0	85.5	61.8	42.0	25.8	7.7	66.9	930
	12-14	100.0	100.0	99.1	91.4	74.2	52.9	37.7	16.2	4.5	62.5	930
	15-17	100.0	100.0	99.7	97.0	77.2	55.1	37.0	19.4	4.7	64.3	930
	18-20	100.0	100.0	99.9	98.7	92.9	81.5	67.0	38.5	13.7	74.2	928
	21-23	100.0	100.0	100.0	99.9	98.0	95.1	85.2	64.5	26.2	83.0	926
	TOTALS	100.0	100.0	99.8	97.4	90.2	79.7	64.2	45.1	20.8	75.4	7434

GLOBAL CLIMATOLOGY BRANCH — CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE — RELATIVE HUMIDITY
CARETAC — FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725090 STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: AUG

MONTH	HOURS (EST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUMBER OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	00-02	100.0	100.0	100.0	100.0	100.0	99.4	95.2	79.9	39.1	87.2	832
	03-05	100.0	100.0	100.0	100.0	100.0	99.9	95.4	81.5	42.4	88.1	831
	06-08	100.0	100.0	100.0	100.0	99.8	97.0	86.3	68.0	32.7	84.4	831
	09-11	100.0	100.0	100.0	99.4	92.7	74.9	52.8	29.1	10.8	71.8	836
	12-14	100.0	100.0	100.0	97.9	83.0	63.1	39.3	20.0	7.1	66.6	827
	15-17	100.0	100.0	99.9	97.2	88.6	69.6	45.5	25.4	7.1	69.7	828
	18-20	100.0	100.0	100.0	99.5	97.9	90.2	72.9	49.3	16.8	78.5	828
	21-23	100.0	100.0	100.0	99.9	99.6	98.2	93.7	73.4	31.2	85.6	828
	TOTALS	100.0	100.0	100.0	99.2	95.2	86.6	72.6	53.2	23.4	78.9	6641

NATIONAL CLIMATOLOGY PROGRAM — RELATIVE PERCENTAGE FREQUENCY OF OCCURRENCE — RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS
AIR WEATHER SERVICE/MAC

STATION NUMBER: 725[illegible] STATION NAME: OTIS ANGB MA — PERIOD OF RECORD: 77-86
MONTH: SEP

MONTH	HOURS (EST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	100.0	100.0	100.0	99.7	96.6	86.6	69.4	26.2	84.2	741
	03-05	100.0	100.0	100.0	100.0	99.9	98.4	92.7	73.8	34.4	85.7	738
	06-08	100.0	100.0	100.0	100.0	99.9	95.9	85.3	64.4	28.0	83.3	736
	09-11	100.0	100.0	100.0	97.4	87.5	69.1	46.0	27.7	11.7	69.8	737
	12-14	100.0	100.0	99.2	93.9	80.1	54.9	33.4	20.1	6.8	64.5	741
	15-17	100.0	100.0	100.0	96.4	86.0	62.9	38.4	22.8	8.3	67.1	744
	18-20	100.0	100.0	100.0	99.9	97.6	89.5	72.6	47.0	13.6	77.8	744
	21-23	100.0	100.0	100.0	100.0	98.5	95.2	85.9	62.5	21.2	82.2	744
	TOTALS	100.0	100.0	99.9	98.5	93.6	82.8	67.7	48.5	18.7	76.8	5923

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725087 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-84,86
MONTH: OCT

MONTH	HOURS (EST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	00-02	100.0	100.0	100.0	100.0	98.2	92.8	76.8	54.4	24.5	80.4	837
	03-05	100.0	100.0	100.0	99.9	99.6	94.0	77.4	57.1	24.1	80.9	837
	06-08	100.0	100.0	100.0	100.0	99.4	92.1	75.8	53.6	20.0	79.9	836
	09-11	100.0	100.0	100.0	98.6	86.7	66.4	45.2	26.2	10.8	68.9	837
	12-14	100.0	100.0	99.4	93.3	75.9	56.0	34.6	19.5	7.5	64.5	837
	15-17	100.0	100.0	99.8	94.0	83.0	65.7	42.9	24.6	9.7	67.7	837
	18-20	100.0	100.0	100.0	99.9	94.5	84.5	67.3	40.9	14.7	76.1	837
	21-23	100.0	100.0	100.0	99.9	97.7	89.3	74.4	46.4	20.4	78.7	837
	TOTALS	100.0	100.0	99.9	98.2	91.9	79.9	61.7	40.3	16.5	74.6	6695

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 72606 STATION NAME: OTIS ANGB MA

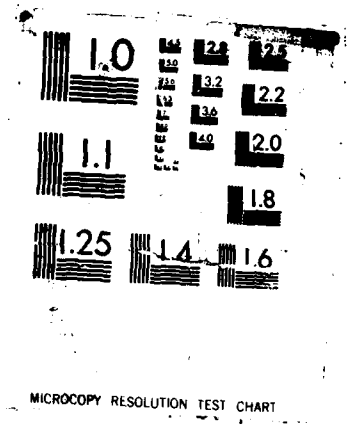
PERIOD OF RECORD: 77-86
MONTH: NOV

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	100.0	100.0	99.1	93.9	80.6	63.8	43.3	17.6	75.7	818
	03-05	100.0	100.0	100.0	99.9	95.2	85.0	69.0	43.9	19.6	76.8	818
	06-08	100.0	100.0	100.0	100.0	97.2	86.9	69.8	45.1	20.2	77.3	818
	09-11	100.0	100.0	99.8	97.2	86.6	65.6	46.5	32.7	16.5	70.4	822
	12-14	100.0	100.0	99.4	89.3	71.6	52.8	35.4	21.8	9.4	63.7	821
	15-17	100.0	100.0	99.4	90.9	77.3	58.8	40.3	24.2	8.3	65.7	823
	18-20	100.0	100.0	99.5	96.6	86.8	76.0	53.4	33.5	12.7	71.9	822
	21-23	100.0	100.0	99.6	94.5	91.8	78.7	59.4	38.1	16.4	74.0	822
	TOTALS	100.0	100.0	99.5	96.4	87.6	73.1	53.7	35.3	15.1	71.9	6559

AD-A183 452 OTIS ANGB MASSACHUSETTS REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERV..(U) AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER SCOTT A.. 12 JUN 87 4/4

UNCLASSIFIED USAFETAC DS-87 040 F 4/2 NL




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MICROCOPY RESOLUTION TEST CHART

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: DEC

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	00-02	100.0	100.0	100.0	95.8	85.7	69.1	49.2	31.5	11.4	70.0	896
	03-05	100.0	100.0	99.8	97.7	88.9	73.3	48.8	31.4	11.6	70.9	886
	06-08	100.0	100.0	99.8	98.3	90.0	72.8	50.3	31.0	10.4	70.9	894
	09-11	100.0	100.0	98.7	94.0	78.3	59.8	40.9	24.8	9.2	66.3	905
	12-14	100.0	99.9	97.7	84.9	66.5	47.7	33.0	19.3	5.7	61.0	905
	15-17	100.0	99.9	97.1	86.3	68.1	49.8	35.4	20.8	7.2	62.1	906
	18-20	100.0	100.0	99.6	93.3	79.4	61.4	42.0	25.6	10.1	66.8	902
	21-23	100.0	100.0	99.8	95.3	82.9	67.9	47.2	30.4	11.7	69.2	899
	TOTALS	100.0	100.0	99.1	93.2	80.0	62.7	43.4	26.9	9.7	67.2	7195

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86
MONTH: ALL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	99.9	98.4	89.6	72.1	53.5	35.4	19.7	5.4	62.9	7184
FEB		100.0	99.9	96.4	88.4	72.2	53.6	36.2	21.0	4.8	62.8	6513
MAR		100.0	99.7	96.6	86.6	73.2	58.2	42.7	28.8	11.0	65.3	7221
APR		100.0	99.7	97.1	89.2	78.8	64.8	48.2	32.2	14.1	68.3	7191
MAY		100.0	99.9	98.8	93.2	85.7	76.2	63.4	43.7	20.6	74.0	7432
JUN		100.0	100.0	99.8	96.4	87.5	76.5	61.9	43.7	19.9	74.6	7175
JUL		100.0	100.0	99.8	97.4	90.2	78.7	64.2	45.1	20.8	75.4	7434
AUG		100.0	100.0	100.0	99.2	95.2	86.6	72.6	53.2	23.4	78.9	6641
SEP		100.0	100.0	99.9	98.5	93.6	82.8	67.7	48.5	18.7	76.8	5923
OCT		100.0	100.0	99.9	98.2	91.8	79.9	61.7	40.3	16.5	74.6	6695
NOV		100.0	100.0	99.5	96.4	87.8	73.1	53.7	35.3	15.1	71.9	6559
DEC		100.0	100.0	99.1	93.2	80.0	62.7	43.4	26.9	9.7	67.2	7195
	TOTALS	100.0	99.9	98.8	93.9	84.0	70.6	54.3	36.5	15.0	71.1	83163

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PPPPPPPP          AAAAAA          RRRRRRRR          TTTTTTTTTT          FFFFFFFFFF
PPPPPPPPP        AAAAAAAA         RRRRRRRRR         TTTTTTTTTT          FFFFFFFFFF
PP       PP     AA      AA        RR      RR            TT              FF
PP       PP     AA      AA        RR      RR            TT              FF
PPPPPPPPP       AA      AA        RRRRRRRRR             TT              FFFFFF
PPPPPPPP        AAAAAAAAAA        RRRRRRRR              TT              FFFFFF
PP              AAAAAAAAAA        RR    RR              TT              FF
PP              AA      AA        RR     RR             TT              FF
PP              AA      AA        RR      RR            TT              FF
PP              AA      AA        RR       RR           TT              FF
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PRESSURE SUMMARIES

STATION PRSSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

SEA LEVEL PRESSURE SUMMARIES

DATA DERIVED FROM HOURLY OBSERVATIONS.

SUMMARIZED BY THE STANDARD 3-HOUR TIME GROUPS BY MONTH, MONTHLY AND ANNUALLY (ALL YEARS COMBINED).

PRESENTED ARE THE MEANS, STANDARD DEVIATIONS AND OBSERVATION COUNTS.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77-86

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01	MEAN	29.793	29.850	29.816	29.811	29.823	29.805	29.833	29.880	29.920	29.921	29.916	29.875	29.853
	SD	.338	.296	.309	.263	.192	.186	.161	.144	.178	.254	.282	.303	.254
	TOT OBS	305	282	310	300	310	300	310	310	300	310	300	308	3645
04	MEAN	29.793	29.846	29.802	29.800	29.816	29.799	29.830	29.873	29.913	29.919	29.909	29.874	29.848
	SD	.339	.295	.313	.265	.193	.189	.161	.145	.181	.251	.286	.306	.255
	TOT OBS	306	282	310	300	310	300	310	310	300	310	300	306	3644
07	MEAN	29.810	29.865	29.827	29.826	29.840	29.822	29.853	29.896	29.937	29.943	29.925	29.890	29.869
	SD	.342	.292	.312	.265	.195	.192	.161	.145	.186	.251	.293	.312	.257
	TOT OBS	309	282	310	300	310	300	310	310	300	310	300	307	3648
10	MEAN	29.834	29.877	29.834	29.826	29.842	29.821	29.853	29.901	29.944	29.950	29.936	29.918	29.878
	SD	.344	.290	.314	.267	.196	.195	.162	.146	.189	.256	.301	.316	.260
	TOT OBS	310	281	310	300	310	300	310	310	300	310	300	310	3651
13	MEAN	29.772	29.833	29.802	29.801	29.823	29.804	29.837	29.882	29.916	29.912	29.892	29.870	29.845
	SD	.345	.292	.310	.265	.197	.196	.163	.149	.191	.259	.302	.308	.259
	TOT OBS	309	281	310	300	310	300	310	309	300	310	300	310	3649
16	MEAN	29.774	29.824	29.785	29.783	29.807	29.789	29.820	29.865	29.900	29.902	29.895	29.875	29.835
	SD	.341	.296	.300	.263	.195	.192	.163	.147	.188	.258	.287	.299	.256
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	29.799	29.850	29.809	29.801	29.817	29.798	29.826	29.873	29.915	29.925	29.918	29.896	29.852
	SD	.340	.295	.297	.260	.190	.186	.159	.143	.179	.258	.276	.296	.252
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	308	3650
22	MEAN	29.802	29.858	29.823	29.816	29.833	29.818	29.843	29.890	29.928	29.934	29.920	29.893	29.863
	SD	.340	.294	.301	.261	.189	.184	.159	.143	.176	.262	.273	.298	.252
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	307	3649
ALL HOURS	MEAN	29.797	29.850	29.812	29.808	29.825	29.807	29.837	29.882	29.921	29.926	29.914	29.886	29.856
	SD	.341	.294	.307	.264	.193	.190	.161	.146	.184	.256	.288	.305	.256
	TOT OBS	2469	2254	2480	2400	2480	2400	2480	2479	2400	2480	2400	2466	29188

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 725060 STATION NAME: OTIS ANGB MA

PERIOD OF RECORD: 77,81-86

HOURS LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01	MEAN	1015.4	1016.5	1015.3	1013.8	1015.3	1014.2	1015.2	1016.8	1019.4	1020.5	1019.2	1019.1	1016.7
	SD	11.886	9.8[illegible]1	10.566	9.026	6.310	5.641	5.149	4.939	5.860	7.721	9.198	9.828	8.571
	TOT OBS	155	141	155	150	155	150	155	155	150	155	150	167	1838
04	MEAN	1015.4	1016.3	1014.8	1013.4	1015.0	1014.0	1015.1	1016.6	1019.2	1020.5	1018.9	1019.1	1016.5
	SD	11.935	9.772	10.579	9.036	6.444	5.885	5.088	4.947	5.990	7.729	9.407	9.759	8.627
	TOT OBS	155	141	155	150	155	150	155	155	150	155	150	166	1837
07	MEAN	1016.0	1017.0	1015.7	1014.4	1015.8	1014.8	1015.9	1017.4	1020.1	1021.2	1019.4	1019.6	1017.3
	SD	11.971	9.750	10.756	8.982	6.455	5.923	5.097	4.940	6.107	7.910	9.810	9.817	8.692
	TOT OBS	155	141	155	150	155	150	155	155	150	155	150	166	1837
10	MEAN	1016.8	1017.4	1015.9	1014.4	1015.8	1014.9	1015.8	1017.6	1020.3	1021.5	1019.7	1020.4	1017.6
	SD	11.693	9.833	10.768	9.066	6.495	5.965	5.192	4.996	6.219	7.998	10.154	9.879	8.766
	TOT OBS	155	141	155	150	155	150	155	155	150	155	150	166	1837
13	MEAN	1014.8	1016.0	1014.6	1013.6	1015.2	1014.2	1015.2	1016.9	1019.3	1020.3	1018.1	1018.7	1016.4
	SD	11.532	9.836	10.662	9.125	6.481	5.878	5.260	5.019	6.360	8.039	10.152	9.659	8.686
	TOT OBS	155	141	155	150	155	150	155	155	150	155	150	166	1837
16	MEAN	1014.8	1015.6	1014.1	1013.0	1014.7	1013.7	1014.6	1016.3	1018.8	1019.9	1018.3	1018.6	1016.1
	SD	11.357	9.855	10.294	9.213	6.396	5.725	5.345	4.965	6.298	7.954	9.548	9.381	8.566
	TOT OBS	155	141	155	150	155	150	156	155	150	155	150	166	1838
19	MEAN	1015.7	1016.5	1014.9	1013.6	1015.0	1014.0	1014.8	1016.6	1019.4	1020.7	1019.2	1019.5	1016.7
	SD	11.501	9.917	10.095	9.085	6.256	5.495	5.117	4.866	6.019	7.823	9.014	9.436	8.474
	TOT OBS	155	141	155	150	155	150	155	155	150	155	150	165	1836
22	MEAN	1015.7	1016.7	1015.4	1014.0	1015.5	1014.8	1015.4	1017.2	1019.8	1021.1	1019.3	1019.5	1017.1
	SD	11.577	9.865	10.195	9.042	6.331	5.367	5.066	4.901	5.884	7.946	8.895	9.651	8.467
	TOT OBS	155	141	155	150	155	150	155	155	150	155	150	165	1836
ALL HOURS	MEAN	1015.6	1016.5	1015.1	1013.8	1015.3	1014.3	1015.2	1016.9	1019.5	1020.7	1019.0	1019.3	1016.8
	SD	11.666	9.814	10.477	9.057	6.389	5.737	5.168	4.949	6.095	7.883	9.518	9.666	8.616
	TOT OBS	1240	1128	1240	1200	1240	1200	1241	1240	1200	1240	1200	1327	14696

END

DATE
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