

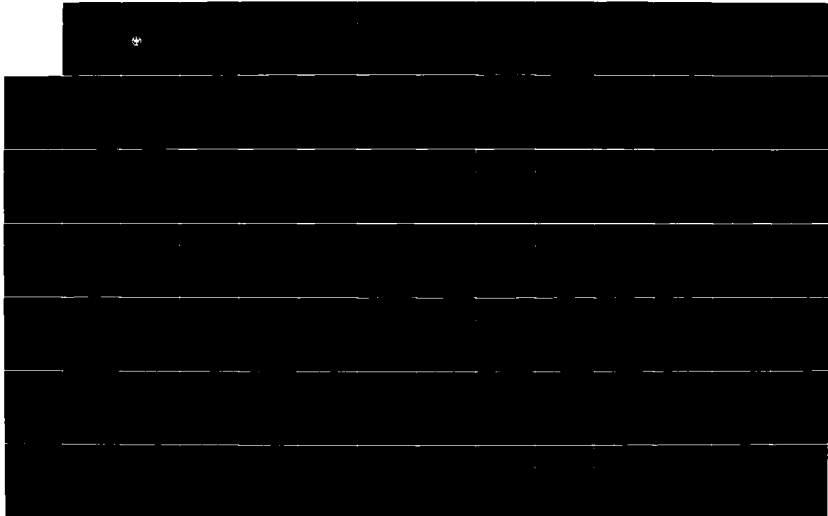
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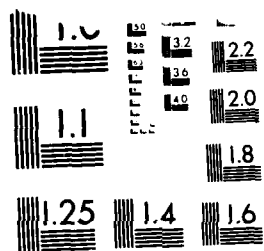
Wurtsmith AFB Michigan Revised Uniform Summary of  
Surface Weather Observations (U) Air Force Environmental  
Technical Applications Center Scott AFB 12 JUN 87  
USAFETAC DS-87/043 F/G 4/2

1/4

UNCLASSIFIED

NL





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



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STATION NAME: WURTSMITH AFB MI

STATION NUMBER: 726395

CALL ID: KOSC

PERIOD OF RECORD:

HOURS SUMMARIZED: 0000-2300 LST

HOURLY OBSERVATIONS: APR 77 - MAR 87

SUMMARY OF DAY DATA: JUL 43 - OCT 45, JAN 51 - MAR 87

TIME CONVERSION GMT TO LST: -5

DATE PRODUCED: 12 JUN 1987



EX1

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 C: SURFACE WIND SUMMARIES

PART D: CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

PART E: TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

PART F: PRESSURE SUMMARIES

ANSMSC 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.

STATION NO ON SUMMARY		STATION NAME		LATITUDE		LONGITUDE		FIELD ELEV (FT.)		CALL SIGN		WHO MOUNTED	
726395		WURTSMITH AFB MICH/OSCODA		N 44 27		W 083 24		634		OSC			
STATION LOCATION AND INSTRUMENTATION HISTORY													
NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		WS PER DAY				
			FROM	TO			FIELD (FT)	WT. BARR.					
1	Oscoda AAF Mich	AAF	Jul 43	Aug 43	N 44 28	W 083 24	N/A	N/A	24				
2	Same	Same	Sep 43	Oct 43	Same	Same	Same	602 ft	24				
3	Same	Same	Nov 43	Dec 45	Same	Same	600	Same	24				
4	Same	Same	Nov 50	May 53	Same	Same	Same	Same	24				
5	Wurtsmith AFB Oscoda Mich	AFB	Jun 53	Feb 54	Same	W 083 22	635	618 ft	24				
6	Same	Same	Mar 54	Mar 60	Same	Same	625	Same	24				
7	Same	Same	Apr 60	Mar 68	Same	Same	634	Same	24				
8	Same	Same	Apr 68	Nov 76	N 44 27	W 083 24	Same	Same	24				
9	Same	Same	Dec 76	Mar 87	Same	Same	Same	Same	24				

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jul 43	N/A	N/A	N/A	N/A	
2	Jun 53	Permanently mounted on top of the weather station bldg	AN/GMQ-1A	ML-204-B	30 ft	
3	Mar 54	Located on weather station roof	AN/GMQ-1	N/A	26 ft	
4	Apr 58	Same	Same	ML204-B	Same	
5	Apr 59	Located on top of control tower	Selsyn	N/A	110 ft	
6	Apr 60	Same	Same	Same	30 ft	
7	Mar 61	Located at approach end of runway 06 500 ft from centerline and approx 1000 ft from approach end of runway 06	AN/GMQ-1	RO-2	13 ft	

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

CONTINUED ON REVERSE SIDE

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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, TORNADES 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  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: JAN

HOURS (LST)	TSMS	RAIN		SNOW		HAIL	% OBS WITH PRECIP	FOG	SMOKE		DUST		% OBS W/CBST TO VISION	TOTAL OBS
		L/DR DRIZZLE	R/DR DRIZZLE	L/DR SLEET	R/DR SLEET				L/DR HAZE	BLOWING SNOW	L/DR SAND	R/DR VISION		
00-02		1.6	.8	31.1			32.2	10.8	.6	5.8			16.8	930
03-05		2.4	.8	34.9			37.1	12.9	.9	4.9			17.5	930
06-08		2.6	1.2	31.7			34.4	16.1	1.2	4.5			20.6	930
09-11		2.4	.4	31.0			32.9	17.3	4.2	5.1			25.3	930
12-14		1.8	.6	28.2			29.8	14.0	4.9	7.3			25.3	930
15-17		.8	.1	24.1			24.8	12.4	5.2	6.7			23.0	930
18-20		1.2	.8	28.4			29.6	12.0	3.2	6.9			21.3	930
21-23		1.4	.5	32.0			33.1	12.0	1.1	6.3			18.5	930
TOTALS		1.8	.7	30.2			31.7	13.4	2.7	5.9			21.0	7440

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: FEB

HOURS (LST)	TSMS	RAIN		SNOW		HAIL	% OBS WITH PRECIP	FOG	SMOKE		DUST		% OBS W/CBST TO VISION	TOTAL OBS
		L/DR DRIZZLE	R/DR DRIZZLE	L/DR SLEET	R/DR SLEET				L/DR HAZE	BLOWING SNOW	L/DR SAND	R/DR VISION		
00-02		4.3	.6	23.6			28.1	18.1	1.3	1.9			21.0	846
03-05		3.7	.1	27.0			30.0	17.5	1.3	2.0			20.4	846
06-08		3.4	.5	30.0			33.2	19.9	1.7	2.2			23.3	846
09-11		5.0	.6	27.8			32.6	21.3	3.8	3.2			17.2	846
12-14		3.2	.6	27.8			30.4	15.4	6.0	3.4			23.3	846
15-17		2.2	.4	22.9			25.3	14.4	7.8	2.4			22.3	846
18-20		2.7	1.1	22.1			25.1	16.8	5.9	1.2			22.1	846
21-23		4.3	.6	24.3			28.5	18.0	1.8	.9			20.3	846
TOTALS		3.6	.6	25.7			29.2	17.7	3.7	2.2			22.5	6768

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: MAR

FORM 511

HOURS (LST)	TSTMS	RAIN		FRZ'ING		SNOW		HAIL	% OPS WITH PRECIP	FOG	SMOKE		DUST FOR SAND	% OPS W/CBST TO VISION	TOTAL OBS
		FOR DRIZZLE	FOR DRIZZLE	FOR RAIN	FOR SLEET	FOR HAZE	BLOWING SNOW								
00-02	.2	6.5	.5	13.5		19.8	17.7	2.2	1.5				20.9	930	
03-05	.1	7.1	.3	15.5		21.7	18.3	2.0	2.2				21.8	930	
06-08		6.0	.6	15.6		21.6	21.9	2.3	1.6				24.9	930	
09-11	.1	7.8	.6	14.6		22.3	20.3	3.5	2.3				26.7	930	
12-14		7.8	.2	12.3		19.6	16.5	5.6	1.5				21.9	930	
15-17		6.9	.3	10.9		17.8	14.9	6.2	1.2				22.3	930	
18-20		6.4	.3	10.6		17.2	15.7	8.2	1.0				22.5	926	
21-23	.4	7.9	.5	11.9		19.6	15.7	4.6	1.3				20.1	927	
TOTALS	.1	7.1	.4	13.1		20.0	17.6	4.8	1.5				22.6	7435	

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: APR

HOURS (LST)	TSTMS	RAIN		FRZ'ING		SNOW		HAIL	% OPS WITH PRECIP	FOG	SMOKE		DUST FOR SAND	% OPS W/CBST TO VISION	TOTAL OBS
		FOR DRIZZLE	FOR DRIZZLE	FOR RAIN	FOR SLEET	FOR HAZE	BLOWING SNOW								
00-02	.3	15.9	.2	5.4		20.4	15.3	3.2	.7				17.8	900	
03-05	.3	13.5	.3	6.6		18.9	16.2	2.3	.7				18.2	900	
06-08	.6	12.9	.2	7.0		16.4	19.1	3.2	.3				21.8	900	
09-11	.1	10.2		5.8		15.3	13.8	4.0	.7				17.2	900	
12-14	.1	10.9		3.9		13.9	12.1	4.0	.2				16.1	900	
15-17	.6	13.3		3.9		15.8	11.1	5.2				.2	15.7	900	
18-20	.6	12.1		4.6		16.0	14.7	6.0				.1	19.6	900	
21-23	.3	13.3		6.0		16.6	14.7	4.3	.2				17.2	900	
TOTALS	.4	12.8	.1	5.4		17.2	14.6	4.0	.4			.0	18.0	7200	

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI PERIOD OF RECORD: 77-86  
MONTH: MAY

HOURS (LST)	TSTMS	RAIN		SNOW		HAIL	% OBS WITH PRECIP	FOG	SMOKE		DUST W/CHST TO VISION	% OBS	TOTAL OBS
		W/DRIZZLE	W/DRIZZLE	W/DRIZZLE	W/DRIZZLE				W/DRIZZLE	W/DRIZZLE			
00-02	.1	11.0		.4			11.2	16.0	4.1			19.2	930
03-05	.2	9.4					9.4	18.1	4.0			21.5	930
06-08	.5	11.8		.1			11.8	21.5	7.3			27.8	930
09-11	.4	11.3		.2			11.4	14.7	7.4			21.1	930
12-14	1.2	10.4		.2			10.5	10.4	8.7		.1	18.3	930
15-17	2.0	9.7		.2			9.9	9.8	9.6		.2	18.9	930
18-20	1.7	9.6		.3			9.9	12.4	10.8			21.4	930
21-23	.6	11.0		.4			11.3	15.7	6.0			20.5	930
TOTALS	7.8	10.5		.2			10.7	14.8	7.2		.0	21.1	7440

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI PERIOD OF RECORD: 77-86  
MONTH: JUN

HOURS (LST)	TSTMS	RAIN		SNOW		HAIL	% OBS WITH PRECIP	FOG	SMOKE		DUST W/CHST TO VISION	% OBS	TOTAL OBS
		W/DRIZZLE	W/DRIZZLE	W/DRIZZLE	W/DRIZZLE				W/DRIZZLE	W/DRIZZLE			
00-02	1.1	6.7					6.7	14.0	6.8			19.2	900
03-05	1.4	8.9					8.9	19.1	6.2			23.0	900
06-08	.6	8.9					8.9	18.4	8.0			23.7	900
09-11	.6	6.8					6.8	11.0	8.6			18.9	900
12-14	1.6	6.1					6.1	6.1	9.7			15.7	900
15-17	2.0	7.7					7.7	6.3	10.1		.3	16.3	900
18-20	3.0	6.2					6.2	6.2	10.9		.2	16.4	900
21-23	2.6	7.2					7.2	12.1	8.3			18.2	900
TOTALS	16.6	7.3					7.3	11.7	8.6		.1	19.0	7200



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WUPUTSMITH AFB MI PERIOD OF RECORD: 77-86  
MONTH: JUL

HOURS (LST)	TSYS	RAIN	FR'ING	SNOW	HAIL	% OBS	FOG	SMOKE	DUST	% OBS	TOTAL OBS
		DRIZZLE	RAIN DRIZZLE	FOR SLEET		FOR HAZE		FOR SAND	W/CHST TO VISION		
00-02	1.4	3.4				3.4	11.8	11.3		26.4	930
03-05	.8	3.4				3.4	17.1	11.8		25.4	930
06-08	1.3	5.3				5.3	19.7	13.3		29.5	930
09-11	.6	4.3				4.3	11.3	12.5		21.8	930
12-14	1.5	3.5				3.5	5.5	15.5	.1	19.9	930
15-17	3.9	6.1				6.1	5.2	16.0	.1	20.3	930
18-20	3.4	5.3				5.3	6.2	16.2		20.4	930
21-23	2.2	4.2				4.2	10.4	12.7		20.3	930
TOTALS	1.9	4.4				4.4	10.9	13.7	.6	22.3	7440

STATION NUMBER: 726395 STATION NAME: WUPUTSMITH AFB MI PERIOD OF RECORD: 77-86  
MONTH: AUG

HOURS (LST)	TSYS	RAIN	FR'ING	SNOW	HAIL	% OBS	FOG	SMOKE	DUST	% OBS	TOTAL OBS
		DRIZZLE	RAIN DRIZZLE	FOR SLEET		FOR HAZE		FOR SAND	W/CHST TO VISION		
00-02	1.7	7.1				7.1	21.4	9.9		26.3	930
03-05	1.4	7.3				7.3	28.3	8.3		31.7	930
06-08	1.0	7.6				7.6	34.1	10.6		28.6	930
09-11	.2	4.2				4.2	17.7	14.8		18.2	930
12-14	1.5	7.7				7.7	8.7	17.0	.1	24.1	930
15-17	4.1	8.0				8.0	6.7	17.7		23.4	930
18-20	4.3	8.9				8.9	9.6	16.5		23.3	930
21-23	2.9	7.5				7.5	16.3	13.4		24.7	930
TOTALS	2.1	7.3				7.3	17.9	13.5	.6	27.5	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI PERIOD OF RECORD: 77-86  
MONTH: SEP

HOURS (LST)	TSTMS	RAIN		SNOW		HAIL	% OBS WITH PRECIP	FOG	SMOKE		DUST FOR SAND	% OBS W/CBST TO VISION	TOTAL OBS
		FOR DRIZZLE	RAIN FOR DRIZZLE	FOR SLEET	FOR HAZE				BLOWING SNOW				
00-02	1.7	11.9					11.9	20.8	6.8			24.7	900
03-05	1.6	12.0					12.0	24.9	7.0			28.2	900
06-08	1.6	12.4					12.4	33.1	9.2			35.4	900
09-11	1.1	12.3					12.3	24.8	11.3			33.3	900
12-14	.4	8.9					8.9	15.4	13.0			26.7	900
15-17	.7	10.7					10.7	13.4	14.3			27.0	900
18-20	2.1	11.4					11.4	17.9	13.2			27.9	900
21-23	1.1	10.0					10.0	18.7	8.6			25.1	900
TOTALS	1.3	11.2					11.2	21.1	10.4			28.5	7200

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI PERIOD OF RECORD: 77-86  
MONTH: OCT

HOURS (LST)	TSTMS	RAIN		SNOW		HAIL	% OBS WITH PRECIP	FOG	SMOKE		DUST FOR SAND	% OBS W/CBST TO VISION	TOTAL OBS
		FOR DRIZZLE	RAIN FOR DRIZZLE	FOR SLEET	FOR HAZE				BLOWING SNOW				
00-02	.2	9.7		1.8			11.1	16.3	4.4			18.6	930
03-05	.2	9.5		2.2			11.4	18.4	3.5			19.9	930
06-08	.1	10.2		1.3			11.3	24.5	3.7			26.0	930
09-11	.1	10.5					10.5	18.3	4.3			21.2	930
12-14	.2	9.9		.1			10.0	12.8	4.4			16.2	930
15-17	.5	11.1		.1	.1		11.3	11.5	6.5			16.5	930
18-20	.1	10.8		.9			11.5	11.8	5.5			15.7	930
21-23	.2	10.2		1.5			11.1	12.7	3.5			15.3	930
TOTALS	.2	10.2		1.0	.0		11.0	15.6	4.5			18.7	7440

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: NOV

HOURS (LST)	SYSTEMS	RAIN	FRZING	SNOW	% OBS WITH PRECIP	FOG	SMOKE	BLOWING SNOW	DUST	% OBS W/CBST TO VISION	TOTAL OBS
		L/OP DRIZZLE	RAIN L/OP DRIZZLE	SLEET			L/OP HAZE		L/OP SAND		
00-02		.1	10.0	10.2	19.3	19.0	5.1	.6		23.0	900
03-05		.1	8.8	.2	13.3	20.4	3.7			23.1	900
06-08			10.1	.4	14.0	23.1	24.1	3.8	.3	26.2	900
09-11		.2	11.6		12.6	23.6	24.6	7.0	.7	29.6	900
12-14		.1	11.2		10.4	20.8	18.4	8.0	.7	25.1	900
15-17		.1	12.7		8.9	20.4	17.2	9.4	1.0	26.0	900
18-20		.2	12.4		10.3	21.8	19.4	8.0	1.0	25.8	900
21-23			11.0		13.3	22.4	18.8	5.6	.8	22.9	900
TOTALS		.1	11.0	.1	11.7	21.6	20.2	6.3	.6	25.2	7200

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: DEC

HOURS (LST)	SYSTEMS	RAIN	FRZING	SNOW	% OBS WITH PRECIP	FOG	SMOKE	BLOWING SNOW	DUST	% OBS W/CBST TO VISION	TOTAL OBS
		L/OP DRIZZLE	RAIN L/OP DRIZZLE	SLEET			L/OP HAZE		L/OP SAND		
00-02			6.9	1.1	24.1	31.0	18.5	1.2	1.0	20.3	930
03-05			8.0	.9	24.9	31.7	19.0	.5	1.2	20.8	930
06-08			6.7	1.3	28.6	35.1	19.9	1.0	1.4	21.9	930
09-11		.1	6.3	.9	28.6	34.8	21.5	3.3	2.5	25.8	930
12-14			6.5	1.0	23.9	30.2	19.1	4.9	2.5	24.9	930
15-17		.2	6.2	1.3	19.2	25.6	19.0	7.7	2.2	26.2	930
18-20		.1	5.6	1.4	20.1	26.1	18.5	4.6	1.6	23.1	930
21-23			6.9	1.2	24.2	30.8	18.9	2.9	1.8	22.2	930
TOTALS		.1	6.6	1.1	24.2	30.7	19.3	3.3	1.8	23.2	7440

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 77-87  
 MONTH: ALL

MONTH	HOURS (LST)	TSTMS	RAIN		SNOW	HAIL	% OBS WITH PRECIP	FOG	SMOKE		DUST		% OBS W/ CBST TO VISION	TOTAL OBS
			L/DR	DRIZZLE	L/DR				SLEET	L/DR	BLOWING SNOW	L/DR SAND		
JAN	ALL		1.8	.7	30.2		31.7	13.4	2.7	5.9		21.0	7440	
FEB			3.6	.6	25.7		29.2	17.7	3.7	2.2		22.5	6768	
MAR		.1	7.1	.4	13.1		20.0	17.6	4.8	1.5		22.6	7435	
APR		.4	12.8	.1	5.4		17.2	14.6	4.0	.4	.0	18.0	7200	
MAY		.8	10.5		.2		10.7	14.8	7.2		.0	21.1	7440	
JUN		1.5	7.3				7.3	11.7	8.6		.1	19.0	7200	
JUL		1.9	4.4				4.4	10.9	13.7		.0	22.3	7440	
AUG		2.1	7.3				7.3	17.9	13.5		.0	27.5	7440	
SEP		1.3	11.2				11.2	21.1	10.4			26.5	7200	
OCT		.2	10.2		1.0	.0	11.0	15.8	4.5			18.7	7440	
NOV		.1	11.0	.1	11.7		21.6	20.2	6.3	.6		25.2	7200	
DEC		.1	6.6	1.1	24.2		30.7	19.3	3.3	1.5		23.2	7440	
TOTALS		.7	7.8	.3	9.3	.0	10.9	16.3	6.9	1.0	.0	22.5	87643	

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
 FROM DAILY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WUPTSMITH AFB MI

PERIOD OF RECORD: 51-87  
 MONTH: ALL

MONTH	TSTMS	RAIN E/OR DRIZZLE	FRZING RAIN E/OR DRIZZLE	SNOW E/OR SLEET	HAIL	% OBS WITH PRECIP	FOG	SMOKE E/OR HAZE	BLOWING SNOW	DUST E/OR SAND	% OBS W/CBST TO VISION	TOTAL OBS
JAN	.1	16.5	6.7	73.3		78.4	34.3	26.1	15.3		54.3	1147
FEB	.2	18.2	6.7	65.7		71.9	35.2	29.4	10.2		52.2	1045
MAR	3.5	29.3	5.8	48.1	.4	62.6	37.8	25.3	8.5		50.0	1147
APR	7.9	44.4	.4	22.0	1.0	55.4	35.6	19.4	1.1		41.3	1080
MAY	13.6	49.5		3.7	.9	50.4	33.8	21.6			40.1	1116
JUN	21.3	48.0			.5	48.0	39.4	30.2			46.9	1080
JUL	23.0	40.8			.9	40.8	37.9	34.0			46.9	1114
AUG	19.4	45.3			.7	45.3	46.5	39.0			54.7	1116
SEP	14.3	52.4		.5	.5	52.4	46.4	33.2			52.7	1080
OCT	4.4	46.9		7.4	.4	49.9	41.6	26.8	.1		48.0	1116
NOV	1.7	40.8	.5	40.4	.1	66.0	42.7	27.1	2.4		50.4	1080
DEC	.4	27.2	7.8	69.1	.1	76.5	37.4	24.0	8.9		51.8	1116
TOTALS	9.2	38.3	2.3	27.5	.5	58.3	39.0	28.2	3.9		49.1	13237

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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: 726395

STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 43-45, 50-87

AMOUNTS IN INCHES

MONTH	NONE	TRACE	.01	.02 TO .10		.11 TO .50		.51 TO 1.00		2.51 TO 5.00		10.01 TO 20.00		OVER 20.00	% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
				.02 TO .05	.06 TO .10	.11 TO .25	.26 TO .50	.51 TO 1.00	2.51 TO 5.00	10.01 TO 20.00	MEAN	GREATEST	LEAST						
JAN	22.2	32.9	9.6	12.8	7.1	8.5	4.9	1.7	.3						44.9	1209	1.76	3.87	.10
FEB	27.5	30.0	7.1	14.6	6.0	7.8	4.4	2.1	.3						42.5	1102	1.56	3.63	.09
MAR	38.1	27.0	4.4	7.9	5.3	7.0	6.2	3.6	.4						34.8	1209	2.14	4.27	.20
APR	44.6	20.7	3.0	8.4	4.6	7.4	6.2	3.9	1.1						34.6	1140	2.54	5.71	.55
MAY	47.8	18.8	2.6	6.4	4.7	8.2	5.1	5.0	1.4						33.4	1178	2.92	8.24	.25
JUN	51.1	18.1	2.2	5.2	4.2	6.9	6.3	4.4	1.6	.1					30.9	1140	2.91	6.48	.54
JUL	58.9	13.9	1.9	4.8	3.2	5.0	6.1	4.3	1.8						27.2	1178	2.81	5.10	.71
AUG	55.5	15.8	1.6	4.9	3.5	6.3	5.6	4.2	2.6						26.7	1209	3.23	7.35	.44
SEP	46.9	16.0	3.1	8.9	5.5	7.0	5.9	4.8	1.7	.1					37.1	1163	3.04	4.05	.07
OCT	49.3	20.0	3.7	6.3	4.0	7.1	4.8	3.7	1.0						30.6	1188	2.31	5.73	.04
NOV	33.4	28.3	5.0	8.2	6.9	8.9	5.2	4.0	1.1						36.2	1140	2.47	5.46	.34
DEC	21.5	33.0	6.3	13.5	7.8	9.3	5.6	2.5	.5						45.5	1178	2.19	5.64	.40
ANN	41.4	22.9	4.2	8.5	5.2	7.4	5.5	3.7	1.1	.0					35.7	14034	24.88		



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 726395 STATION NAME: WUPRTSHITH AFB MI

PERIOD OF RECORD: 43-45, 50-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC	
43								1.05	1.34	.48	1.11	.37	
44	.37	.26	.40	1.14	.53	.81	1.02	1.19	.53	.74	1.01	.11	1.19
45	.09	.22	.18	.76	1.46	1.25	.52	1.04	*1.09	*.21			
50													
51	.37	.71	.36	1.50	.38	.67	2.16	.97	1.21	1.87	.48	.63	2.16
52	.61	.33	.75	2.50	.41	.46	1.40	1.90	.43	.02	1.35	.67	2.50
53	.36	.67	.60	1.34	.91	.87	1.40	1.28	.95	.57	.57	.48	1.40
54	.86	.63	.79	.80	.93	1.97	.50	.51	1.20	1.21	1.00	.39	1.97
55	.47	.53	.47	1.05	1.17	.46	.87	2.21	.22	.68	.77	.51	2.21
56	.32	.44	.58	.61	.82	1.06	1.33	1.70	.33	.19	.64	.32	1.33
57	.41	.20	.88	.83	.92	1.26	1.43	.14	1.84	.81	1.11	.59	1.84
58	.68	.92	.10	.48	.16	.70	.98	.48	.74	.72	.53	.18	.98
59	.70	1.17	1.30	1.53	1.40	.25	1.05	1.70	.80	.93	1.07	.97	1.70
60	1.14	.64	.24	.45	.75	1.58	1.18	1.49	.87	.35	.74	.18	1.58
61	.10	.53	.56	.42	.34	.44	.94	.80	1.07	.27	.85	.63	1.07
62	.51	.52	.61	.77	.90	.80	1.76	.90	1.17	1.40	.40	.27	1.76
63	.54	.11	.66	1.41	1.77	1.05	.93	.44	.78	.20	.65	.26	1.77
64	.35	1.07	.53	.62	.70	.36	2.18	1.42	.90	.41	1.64	.45	2.18
65	.72	1.17	.44	.61	1.11	.94	.70	1.44	.87	.57	1.02	.71	1.44
66	.59	.44	.67	.51	.15	.51	.67	1.12	.47	1.09	1.53	.85	1.53
67	1.13	.32	.45	.74	.40	.95	.41	.81	.81	.94	.55	.61	1.13
68	.22	.73	.55	.69	1.90	.85	.53	2.30	1.04	.39	.90	.63	2.30
69	.86	.26	.61	1.12	1.21	1.40	.51	.21	.46	1.34	.74	1.05	1.40
70	.36	.14	.78	.75	.69	1.40	1.21	.56	.56	.80	.71	.89	1.40
71	.54	.49	1.18	.38	.61	1.13	.68	1.46	.65	.84	.47	1.77	1.77
72	.28	.33	.52	.85	.90	.71	1.01	1.07	.22	1.25	.56	.83	1.25
73	.61	.16	1.24	.73	1.63	.72	1.08	.98	.76	2.42	.61	.72	2.42
74	.88	.96	.37	.70	.70	.67	2.02	.87	1.20	.47	.35	.34	2.02
75	1.43	.32	.56	.56	1.14	1.63	1.96	1.20	1.18	.32	.54	.31	1.96
76	.25	.51	.70	.30	.89	3.74	.85	.39	.66	.78	.48	.10	3.74

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: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 43-45, 50-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC	
77	.36	.97	1.09	.49	.97	.63	.60	1.25	.82	.94	1.27	.88	1.27
78	1.69	.19	.49	.57	.76	1.65	.81	1.58	1.67	.32	.97	.53	1.69
79	.78	.25	.70	.65	.90	1.72	.51	2.00	.03	.55	.72	.37	2.00
80	.26	.57	.50	.76	.89	1.27	.80	1.30	.69	.77	.77	1.75	1.75
81	.29	.70	.21	1.38	.75	1.68	.73	1.10	1.78	.58	.61	.26	1.78
82	.42	.07	.70	.33	.54	.79	.36	1.59	.86	.40	.39	1.13	1.59
83	.67	.64	.91	.78	2.03	.32	1.50	1.00	1.48	1.06	.63	.69	2.03
84	.31	.14	.77	1.01	1.43	.34	.97	.97	.82	.83	.80	.79	1.43
85	.38	.77	.86	.88	.80	.39	1.86	1.73	3.20	1.38	.71	.67	3.20
86	.40	.70	.48	.46	.73	1.63	1.41	1.05	1.68	.67	.15	.79	1.68
87	.47	.35	.61										
MEAN	.558	.518	.626	.427	.913	1.028	1.074	1.146	.955	.777	.774	.628	1.195
S.D.	.343	.303	.273	.429	.449	.650	.507	.510	.573	.461	.324	.281	.560
TOTAL OBS	1209	1102	1209	1140	1178	1140	1178	1209	1163	1188	1140	1178	14034

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 43-45, 50-47

YEAR	TOTAL MONTHLY PRECIPITATION IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
43								2.40	1.91	1.44	3.05	.60	
44	.66	1.01	2.07	1.92	2.55	3.41	3.80	4.23	1.74	1.56	3.88	.40	27.23
45	.36	.94	.55	2.59	5.18	4.85	1.54	1.63	*2.48	*.28			
50													
51	1.86	1.92	2.35	4.69	1.17	2.72	4.07	2.83	3.33	5.73	2.49	2.98	36.12
52	2.72	.72	2.96	4.32	2.04	.66	5.06	3.92	1.38	.04	3.07	2.31	29.20
53	1.62	2.53	2.64	2.88	3.66	2.90	2.87	2.91	3.74	2.23	2.45	2.41	32.84
54	1.97	1.81	2.68	2.96	3.34	6.26	.71	1.40	3.98	5.10	3.92	2.01	36.14
55	1.87	1.31	1.81	2.68	3.31	.81	3.12	3.93	.49	2.46	2.09	1.73	26.11
56	1.15	1.85	1.70	2.58	3.61	2.26	3.18	2.60	1.51	.59	1.88	2.03	24.94
57	1.37	.62	1.41	2.37	2.17	4.62	3.27	.51	4.34	2.03	2.31	1.74	26.76
58	1.92	2.07	.20	.68	.25	1.78	2.14	1.34	1.83	2.51	1.81	.59	17.10
59	1.85	3.67	2.80	5.71	4.84	.54	2.93	6.30	4.31	3.96	3.98	3.45	44.30
60	2.60	1.77	1.39	2.08	3.26	3.50	2.99	2.77	2.18	1.29	2.04	.61	26.46
61	.37	1.97	2.68	1.85	1.30	2.06	3.11	2.14	3.78	.67	2.41	1.26	23.49
62	2.09	2.42	.07	1.61	3.67	2.52	3.65	2.01	4.94	3.10	1.12	.85	29.65
63	1.00	.45	2.99	2.32	4.55	2.22	2.13	1.74	1.81	.51	1.43	1.27	27.37
64	.87	1.35	1.26	3.27	1.97	1.27	5.10	4.93	2.26	1.04	3.73	2.38	29.43
65	2.36	3.21	1.98	2.66	2.59	1.75	1.74	3.31	5.62	1.95	2.35	2.68	32.70
66	2.01	.96	3.43	3.09	.49	1.26	1.58	4.02	1.53	1.83	5.46	2.79	28.45
67	2.58	1.31	.90	3.42	1.16	4.17	.98	3.57	2.01	2.57	1.65	2.59	26.86
68	.91	2.26	1.31	2.12	4.72	3.11	1.78	5.23	3.55	1.67	2.68	3.19	32.48
69	3.58	.98	1.54	3.00	3.65	3.84	1.90	.44	1.39	5.60	2.30	2.15	30.27
70	1.13	.50	1.44	2.60	1.76	3.64	3.98	1.06	2.80	2.46	2.90	2.48	27.25
71	2.66	2.27	2.68	1.10	1.74	3.67	3.34	4.17	1.84	1.27	1.62	5.64	31.96
72	1.11	1.22	3.02	2.16	1.42	2.25	2.72	4.10	.72	3.11	1.51	5.38	28.72
73	1.26	1.04	3.30	2.01	5.21	1.83	3.85	2.70	2.04	5.28	2.17	3.24	33.88
74	3.87	1.57	1.58	2.80	3.10	3.25	3.98	2.25	4.08	1.24	1.95	1.24	30.91
75	3.35	1.13	1.66	1.49	4.64	5.49	5.03	4.20	3.17	.83	2.27	1.78	35.24
76	1.87	1.98	4.27	.55	3.11	6.48	3.14	1.02	1.90	2.59	.92	.65	28.48

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 43-45, 50-87

YEAR	TOTAL MONTHLY PRECIPITATION IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
77	1.18	1.49	3.36	1.54	2.17	.75	2.22	7.35	3.40	2.33	4.85	2.27	32.91
78	2.76	1.03	.89	1.29	2.56	4.18	1.77	2.46	5.51	.89	2.41	2.24	27.99
79	2.29	.70	2.02	2.74	2.54	3.20	.74	4.99	.07	2.46	2.64	1.07	26.06
80	.81	1.74	1.36	3.25	2.98	3.72	2.57	3.19	3.18	2.81	1.33	2.77	29.03
81	.97	2.55	.43	3.81	1.75	4.80	1.54	5.08	4.35	2.05	1.49	.91	29.73
82	2.35	.09	3.67	1.27	2.02	4.00	2.17	4.60	2.90	.94	1.99	3.27	29.27
83	1.99	1.69	4.20	3.51	8.24	.80	3.81	3.07	3.88	3.61	3.08	2.19	40.07
84	.85	.66	2.16	3.45	3.18	1.28	1.54	2.15	3.26	3.39	1.87	3.64	27.43
85	1.78	3.34	3.54	2.68	2.02	1.64	2.68	6.16	5.69	2.90	4.60	2.36	39.39
86	1.42	2.10	2.32	1.39	3.05	3.26	4.09	3.44	9.05	1.70	.34	2.02	34.18
87	1.45	1.12	.91										
MEAN	1.763	1.560	2.139	2.538	2.920	2.914	2.812	3.235	3.039	2.300	2.473	2.187	30.106
S.D.	.853	.823	1.050	1.074	1.534	1.549	1.165	1.617	1.738	1.420	1.104	1.188	5.147
TOTAL OBS	1209	1102	1209	1140	1178	1140	1178	1209	1163	1188	1140	1178	14034

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: 726395

STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 50-67

MONTH	AMOUNTS IN INCHES													% DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS		
	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			MEAN	GREATEST	LEAST
JAN	20.4	31.6	17.9	12.5	5.2	2.5	1.5	1.3	1.0	.2				42.0	1147	11.6	30.3	4.3
FEB	33.6	28.0	17.0	12.8	3.1	2.7	1.0	.9	.8	.2				38.4	1045	12.7	35.3	1.8
MAR	51.4	25.5	8.7	7.0	3.4	1.1	1.0	1.0	.6	.2				23.0	1147	11.4	20.0	.1
APR	77.8	14.8	3.6	1.8	1.1	.4	.2	.2	.2					7.4	1080	1.5	12.4	TRACE
MAY	96.2	3.0	.5	.1	.1									.7	1116	.1	1.6	.0
JUN	100.0														1080	.0	.0	.0
JUL	100.0														1116	.0	.0	.0
AUG	100.0														1116	.0	.0	.0
SEP	99.6	.3	.1											.1	1080	TRACE	.2	.0
OCT	92.1	7.1	.5	.3										.0	1116	.1	1.4	.0
NOV	59.4	27.0	5.7	3.9	2.0	.6	.7	.3	.1	.1				13.5	1080	5.0	19.4	TRACE
DEC	35.6	33.4	15.9	10.9	4.4	2.2	1.1	1.1	.3	.2				36.0	1116	11.7	31.7	1.8
ANN	72.3	14.2	5.8	4.1	1.6	.8	.5	.4	.2	.1				13.5	13239	61.1		

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 726195 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 50-97

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC	
50													
51	7.1	4.5	4.1	.8	.0	.0	.0	.0	.0	TRACE	5.1	6.3	6.3
52	5.4	.6	4.9	7.0	.0	.0	.0	.0	.0	TRACE	TRACE	1.4	7.0
53	2.8	6.0	2.1	TRACE	.0	.0	.0	.0	.0	.0	4.0	2.1	6.0
54	9.0	2.9	7.6	.7	.4	.0	.0	.0	.0	TRACE	.4	3.8	9.0
55	4.7	5.3	2.7	TRACE	.0	.0	.0	.0	.0	TRACE	4.2	6.1	5.3
56	3.2	4.4	3.3	.8	.1	.0	.0	.0	.2	TRACE	3.4	3.1	4.4
57	4.9	2.0	6.9	2.4	TRACE	.0	.0	.0	.0	TRACE	.3	3.7	6.9
58	5.0	8.5	.6	TRACE	.0	.0	.0	.0	.0	.0	1.3	2.9	8.5
59	3.1	12.3	4.2	5.0	.0	.0	.0	.0	.0	TRACE	5.7	4.5	12.3
60	11.5	3.5	2.8	2.1	TRACE	.0	.0	.0	.0	.0	.9	2.6	11.5
61	3.2	4.2	4.0	.3	.3	.0	.0	.0	.0	TRACE	1.5	1.7	6.0
62	2.7	4.6	5.5	2.1	.0	.0	.0	.0	.0	.5	1.9	2.7	5.5
63	5.7	.9	2.4	2.5	TRACE	.0	.0	.0	.0	.0	TRACE	2.0	5.7
64	1.6	2.7	5.0	.5	.0	.0	.0	.0	.0	.2	1.6	4.5	5.0
65	6.4	10.8	5.5	3.5	.0	.0	.0	.0	TRACE	1.2	.4	4.0	10.8
66	6.4	3.3	1.8	4.9	TRACE	.0	.0	.0	TRACE	TRACE	9.2	2.4	5.2
67	7.6	3.0	3.5	1.4	TRACE	.0	.0	.0	.0	TRACE	3.7	2.2	7.6
68	3.1	4.0	6.4	.3	TRACE	.0	.0	.0	.0	TRACE	1.5	4.3	6.4
69	8.9	2.2	3.6	TRACE	TRACE	.0	.0	.0	.0	.6	4.0	3.7	8.9
70	3.7	1.4	11.6	6.5	TRACE	.0	.0	.0	.0	.0	.8	2.5	11.6
71	5.4	3.1	11.5	.4	TRACE	.0	.0	.0	.0	.0	1.6	12.5	13.5
72	3.0	3.3	5.2	1.1	.0	.0	.0	.0	.0	.1	2.4	6.6	6.6
73	2.0	2.0	9.8	3.8	.1	.0	.0	.0	.0	.0	3.4	2.8	9.8
74	4.5	10.2	3.2	.5	1.6	.0	.0	.0	.0	TRACE	1.0	3.0	10.2
75	2.2	1.6	2.6	.9	.0	.0	.0	.0	.0	.0	3.4	3.8	3.8
76	5.2	6.4	4.9	.3	TRACE	.0	.0	.0	.0	TRACE	2.2	3.0	6.4
77	2.3	1.2	.6	.2	.0	.0	.0	.0	.0	TRACE	13.0	3.0	13.0
78	13.2	4.1	3.0	TRACE	.0	.0	.0	.0	.0	TRACE	6.2	4.7	13.2
79	7.2	2.6	2.0	2.6	.5	.0	.0	.0	.0	TRACE	.5	1.4	7.2

NOTE \* (BASED ON LESS THAN FULL MONTHS)

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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIG WEATHER SERVICE/MAC

EXTREME VALUES OF SNOWFALL  
(FROM DAILY OBSERVATIONS)

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 50-87

YEAR	24 HOUR AMOUNTS IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
80	2.6	5.6	4.4	2.0	.0	.0	.0	.0	.0	TRACE	.5	13.6	13.6
81	7.1	8.5	.6	TRACE	.0	.0	.0	.0	.0	TRACE	4.2	6.2	6.5
82	8.9	.9	7.2	.3	.0	.0	.0	.0	.0	TRACE	1.0	.8	8.9
83	6.7	2.8	10.0	1.6	TRACE	.0	.0	.0	TRACE	.1	2.7	3.9	10.0
84	5.4	1.6	1.5	TRACE	TRACE	.0	.7	.0	.0	.0	.9	5.0	5.4
85	3.8	7.7	8.3	.9	.0	.0	.0	.0	.0	.0	1.5	4.5	8.3
86	4.7	7.0	4.6	.3	.0	.0	.0	.0	.0	.0	.5	3.9	7.0
87	4.7	7.0	.3										
MEAN	5.19	4.41	4.65	1.53	.08	.00	.00	.00	.01	.04	2.64	4.39	6.37
S.D.	2.640	2.948	3.010	1.882	.284	.000	.000	.000	.033	.236	2.707	2.627	2.726
TOTAL OBS	1147	1045	1147	1080	1116	1080	1116	1116	1080	1116	1080	1116	13239

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOGAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 726395 STATION NAME: WUPUTSMITH AFB MI

PERIOD OF RECORD: 50-87

YEAR	TOTAL MONTHLY SNOWFALL IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
50													
51	15.0	10.1	12.4	.9	.0	.0	.0	.0	.0	TRACE	19.4	22.0	80.0
52	20.2	3.3	15.5	8.7	.0	.0	.0	.0	.0	TRACE	TRACE	4.5	52.2
53	11.5	17.4	5.0	TRACE	.0	.0	.0	.0	.0	.0	6.9	6.5	47.3
54	20.2	8.0	18.8	.3	.5	.0	.0	.0	.0	TRACE	.4	17.7	65.9
55	14.0	16.8	7.3	TRACE	.0	.0	.0	.0	.0	TRACE	7.7	11.5	57.3
56	10.7	18.1	8.7	1.3	.1	.0	.0	.0	.2	TRACE	7.4	12.9	59.4
57	12.6	4.9	7.7	3.5	TRACE	.0	.0	.0	.0	TRACE	.3	7.9	36.9
58	15.3	14.6	1.3	TRACE	.0	.0	.0	.0	.0	.0	4.1	5.9	45.2
59	13.7	35.3	8.2	9.4	.0	.0	.0	.0	.0	TRACE	12.4	15.4	94.4
60	23.4	15.8	14.8	7.8	TRACE	.0	.0	.0	.0	.3	2.4	7.3	67.8
61	5.9	12.1	19.8	.5	.3	.0	.0	.0	.0	TRACE	1.5	4.6	44.6
62	19.3	20.9	5.7	2.6	.0	.0	.0	.0	.0	.8	2.8	6.3	60.4
63	10.0	4.2	8.0	3.6	TRACE	.0	.0	.0	.0	.0	TRACE	11.8	37.7
64	4.8	5.2	10.8	.6	.0	.0	.0	.0	.0	.3	4.1	12.0	37.8
65	22.4	25.9	14.9	5.5	.0	.0	.0	.0	TRACE	1.2	1.1	1.5	79.5
66	21.9	7.6	5.8	12.9	TRACE	.0	.0	.0	TRACE	TRACE	18.8	16.7	83.7
67	25.9	12.6	7.4	1.4	TRACE	.0	.0	.0	.0	TRACE	4.2	6.9	58.4
68	9.6	11.1	7.7	.1	TRACE	.0	.0	.0	.0	TRACE	2.7	27.5	58.7
69	22.6	7.7	7.0	TRACE	TRACE	.0	.0	.0	.0	.7	4.7	13.9	56.6
70	15.5	6.0	17.6	6.6	TRACE	.0	.0	.0	.0	.0	2.1	12.4	60.2
71	23.1	13.5	25.5	1.0	TRACE	.0	.0	.0	.0	.0	5.7	16.8	85.6
72	8.1	11.9	28.0	7.1	.0	.0	.0	.0	.0	.1	3.3	31.7	66.2
73	5.7	8.6	10.9	6.0	.1	.0	.0	.0	.0	.0	4.5	17.6	53.4
74	18.0	18.5	12.0	.6	1.6	.0	.0	.0	.0	TRACE	2.8	16.9	64.4
75	7.7	5.4	10.3	1.9	.0	.0	.0	.0	.0	.0	9.1	14.8	49.2
76	32.7	16.7	12.1	.7	TRACE	.0	.0	.0	.0	TRACE	4.2	11.7	78.1
77	9.5	4.1	1.6	.2	.0	.0	.0	.0	.0	TRACE	16.2	13.5	45.1
78	28.7	17.0	6.0	TRACE	.0	.0	.0	.0	.0	TRACE	13.4	11.6	83.7
79	22.1	8.6	3.8	5.6	.6	.0	.0	.0	.0	TRACE	1.2	4.6	46.5

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 50-87

YEAR	TOTAL MONTHLY SNOWFALL IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
80	4.3	11.0	9.9	2.5	.0	.0	.0	.0	.0	TRACE	1.1	23.5	53.3
81	15.3	18.3	1.8	TRACE	.0	.0	.0	.0	.0	TRACE	4.2	11.1	49.7
82	35.3	1.8	18.1	.4	.0	.0	.0	.0	.0	TRACE	1.0	1.8	61.4
83	16.7	9.0	14.3	2.0	TRACE	.0	.0	.0	TRACE	.0	3.0	11.3	55.3
84	16.8	3.5	4.1	TRACE	TRACE	.0	.0	.0	.0	.0	.9	12.9	38.2
85	17.5	29.5	12.5	1.5	.0	.0	.0	.0	.0	.0	4.0	14.7	79.7
86	14.6	16.6	9.4	.3	.0	.0	.0	.0	.0	.0	.6	6.5	46.0
87	20.1	17.0	.3										
MEAN	16.58	12.67	10.41	2.46	.09	.00	.00	.00	.01	.09	4.95	12.73	60.05
S.D.	7.730	7.518	6.400	3.115	.292	.000	.000	.000	.033	.264	5.146	6.463	15.696
TOTAL OBS	1147	1045	1147	1080	1116	1080	1116	1116	1080	1116	1080	1116	13239

NOTE \* (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395

STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 43-45, 50-87

MONTH	AMOUNTS IN INCHES													2 DAYS WITH MEAS AMTS	TOTAL OBS	MONTHLY AMOUNTS			
	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			MEAN	GREATEST	LEAST	
JAN	6.1	3.9	10.2	11.4	8.4	25.8	24.2	10.1							90.3	1209			
FEB	6.8	6.3	9.3	7.1	7.7	22.0	26.8	12.7	1.4						86.9	1102			
MAR	23.8	18.8	10.3	8.4	8.5	15.1	9.4	5.7							57.4	1209			
APR	93.2	9.6	2.7	1.2	1.7	1.5	.1								7.2	1140			
MAY	99.3	.6	.1												.1	1178			
JUN	100.0															1140			
JUL	100.0															1209			
AUG	100.0															1209			
SEP	100.0															1170			
OCT	99.2	.7	.1												.1	1209			
NOV	77.8	11.4	3.7	2.3	1.3	2.7	.4	.4							10.8	1140			
DEC	22.4	20.5	15.4	11.5	7.7	14.3	6.5	1.6							57.0	1178			
ANN	68.2	6.0	4.3	3.5	2.9	6.8	5.6	2.5	.1						25.8	14093			

GLOBAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 43-45, 50-87

YEAR	DAILY SNOW DEPTH IN INCHES -M-O-N-T-H-S-												ALL MONTHS	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
43							0	0	0	0	1	1	2	
44	1	5	7	4	0	0	0	0	0	0	5	5	7	
45	5	7	1	2	TRACE	0	0	0	0	0	0	0	0	
50														
51	11	14	6	TRACE	0	0	0	0	0	0	6	19	19	
52	12	8	8	6	0	0	0	0	0	0	TRACE	2	12	
53	5	6	7	TRACE	0	0	0	0	0	0	4	2	7	
54	12	11	13	TRACE	TRACE	0	0	0	0	0	TRACE	12	13	
55	14	26	4	TRACE	0	0	0	0	0	TRACE	3	9	26	
56	6	11	5	TRACE	0	0	0	0	0	0	5	5	11	
57	8	8	5	1	0	0	0	0	0	TRACE	TRACE	3	8	
58	11	15	1	TRACE	0	0	0	0	0	0	2	5	15	
59	9	24	21	3	0	0	0	0	0	0	6	9	24	
60	15	13	17	4	0	0	0	0	0	TRACE	1	4	17	
61	4	6	9	TRACE	TRACE	0	0	0	0	0	TRACE	2	9	
62	15	18	11	TRACE	0	0	0	0	0	TRACE	2	4	18	
63	8	6	5	TRACE	1	0	0	0	0	0	0	8	8	
64	8	5	6	2	0	0	0	0	0	0	6	6	8	
65	8	17	15	6	0	0	0	0	0	0	0	6	17	
66	11	14	3	4	0	0	0	0	0	0	9	10	14	
67	19	15	11	1	0	0	0	0	0	0	3	2	19	
68	7	7	6	0	0	0	0	0	0	0	1	17	17	
69	16	8	3	0	0	0	0	0	0	TRACE	2	7	16	
70	11	9	10	7	0	0	0	0	0	0	1	6	11	
71	15	12	16	2	0	0	0	0	0	0	3	14	16	
72	13	9	15	4	0	0	0	0	0	0	TRACE	16	16	
73	6	5	10	5	0	0	0	0	0	0	2	11	11	
74	16	10	5	TRACE	TRACE	0	0	0	0	0	1	4	16	
75	4	4	6	4	0	0	0	0	0	0	4	6	6	
76	16	16	6	0	0	0	0	0	0	0	1	6	16	

NOTE \* (BASED ON LESS THAN FULL MONTHS)

CONTINUED ON NEXT PAGE....

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF SNOW DEPTH  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 43-45, 50-67

YEAR	DAILY SNOW DEPTH IN INCHES												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	-M-O-N-T-H-S-		AUG	SEP	OCT	NOV	DEC	
77	11	8	1	0	0	0	0	0	0	0	17	11	17
78	20	24	16	1	0	0	0	0	0	0	9	4	24
79	23	17	7	3	TRACE	0	0	0	0	0	TRACE	2	23
80	5	4	4	3	0	0	0	0	0	0	TRACE	4	4
81	6	15	1	0	0	0	0	0	0	0	2	2	15
82	11	16	15	TRACE	0	0	0	0	0	TRACE	1	1	16
83	8	5	13	1	0	0	0	0	0	0	3	6	13
84	14	12	2	TRACE	TRACE	0	0	0	0	0	1	4	14
85	17	34	15	1	0	0	0	0	0	0	0	11	34
86	20	9	13	TRACE	0	0	0	0	0	0	TRACE	4	20
87	9	10	TRACE										
MEAN	11.0	11.8	8.2	1.7	.0	.0	.0	.0	.0	.0	2.7	6.7	15.1
S.D.	5.209	6.759	5.409	2.794	.162	.000	.000	.000	.000	.160	3.408	4.558	6.182
TOTAL OBS	1209	1102	1209	1140	1178	1140	1249	1209	1170	1209	1140	1178	14093

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 IS 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 VISIBILITIES 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: 726395 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 61-77

YEAR	DAILY PEAK GUSTS IN KNOTS												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
61			NE 40	S 32	W 32	WSW 46	WNW 28	W 31	W 33	WSW 38	SW 30	WSW 34	
62	NNW 35	NW 28	NNW 26	N 32	W 41	W 39	WNW 34	SW 25	NW 53	W 30	SSW 16	WNW 36	NW 53
63	SW 44	WNW 39	WSW 35	W 47	WNW 38	SSW 27	WNW 34	N 30	W 33	WNW 36	WNW 43	N 31	W 47
64	SW 36	WSW 38	NNE 37	WSW 52	WSW 47	WNW 40	W 30	NW 45	SSW 42	NW 36	WSW 47	N 39	WSW 51
65	WNW 32	NNW 45	E 44	WNW 31	WSW 42	W 33	SW 27	WSW 38	SSW 32	WNW 41	W 47	NNE 39	WNW 45
66	WNW 37	NNW 34	SW 38	W 36	WNW 41	W 30	NNE 31	N 30	W 37	WSW 41	N 34	E 29	WNW 41
67	WSW 52	NE 39	NNW 31	NNE 38	WNW 32	SW 39	W 30	W 28	WSW 33	SSW 39	W 40	W 44	WSW 52
68	NNE 36	NW 39	W 36	SSW 50	SSW 33	NE 35	24/ 32	33/ 39	27/ 29	24/ 37	5/ 43	27/ 41	SSW 50
69	29/ 36	31/ 33	30/ 32	4/ 38	35/ 38	26/ 42	14/ 35	21/ 31	33/ 32	26/ 38	26/ 32	37/ 38	26/ 42
70	22/ 31	32/ 36	5/ 44	1/ 51	23/ 51	34/ 39	27/ 64	34/ 40	23/ 38	24/ 39	26/ 52	25/ 45	22/ 64
71	33/ 45	21/ 53	23/ 41	23/ 40	25/ 42	8/ 38	28/ 37	25/ 48	30/ 37	21/ 46	24/ 49	24/ 57	24/ 57
72	24/ 64	33/ 46	26/ 46	19/ 36	3/ 29	36/ 31	25/ 44	27/ 46	27/ 34	24/ 47	3/ 35	31/ 33	24/ 64
73	22/ 34	35/ 30	33/ 47	5/ 42	22/ 34	20/ 32	27/ 34	24/ 34	14/ 38	28/ 51	28/ 39	4/ 32	26/ 51
74	28/ 35	33/ 31	27/ 36	21/ 38	32/ 36	28/ 31	26/ 36	33/ 39	27/ 42	30/ 30	19/ 20	31/ 29	27/ 42
75	24/ 51	26/ 33	8/ 30	22/ 46	19/ 34	20/ 46	30/ 50	25/ 32	33/ 28	29/ 33	25/ 49	6/ 32	24/ 51
76	20/ 30	32/ 34	24/ 48	4/ 39	30/ 35	3/ 38	7/ 37	24/ 27	29/ 35	30/ 37	29/ 31	27/ 38	24/ 48
77	27/ 45	28/ 37	22/ 47	23/ 34	34/ 42	28/ 34	27/ 38	24/ 44	21/ 30	15/ 34	23/ 35	22/ 38	24/ 47
78	31/ 44	35/ 23	28/ 35	28/ 38	19/ 39	32/ 29	20/ 28	21/ 39	27/ 34	18/ 36	19/ 36	28/ 42	31/ 44
79	20/ 31	27/ 39	32/ 35	28/ 56	7/ 31	22/ 36	16/ 23	33/ 31	22/ 26	19/ 29	20/ 39	3/ 34	28/ 56
80	24/ 43	32/ 32	31/ 38	3/ 37	21/ 39	30/ 29	28/ 47	27/ 23	30/ 32	31/ 34	32/ 30	36/ 37	24/ 43
81	32/ 27	23/ 27	32/ 34	21/ 45	7/ 32	23/ 72	19/ 25	3/ 26	23/ 34	22/ 41	27/ 32	35/ 26	23/ 72
82	24/ 42	25/ 30	27/ 50	22/ 43	26/ 23	26/ 20	37/ 43	33/ 32	31/ 25	21/ 35	23/ 40	27/ 43	27/ 50
83	19/ 32	21/ 25	7/ 36	21/ 31	24/ 31	18/ 25	2/ 37	28/ 20	30/ 45	29/ 36	23/ 39	26/ 33	30/ 45
84	28/ 32	36/ 34	31/ 38	19/ 51	23/ 34	19/ 36	28/ 25	28/ 29	16/ 29	19/ 32	18/ 33	24/ 40	19/ 51
85	1/ 32	26/ 32	7/ 36	24/ 40	23/ 46	27/ 35	16/ 29	20/ 31	14/ 34	18/ 34	22/ 43	24/ 35	23/ 46
86	21/ 36	5/ 26	48/ 38	29/ 59	28/ 40	29/ 35	30/ 45	29/ 50	28/ 32	30/ 53	21/ 38	24/ 37	29/ 59
87	31/ 29	31/ 45	36/ 35										
MEAN	39.1	34.9	37.9	41.4	37.0	36.0	35.1	33.5	34.6	36.8	38.9	36.4	51.4
S.D.	8.510	7.088	5.782	7.200	6.190	9.501	8.959	6.552	6.769	5.036	6.178	6.775	8.170
TOTAL OBS	805	737	828	776	802	776	807	781	771	788	769	795	9425

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

CLIMATE CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAJ

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB #1

PERIOD OF RECORD: 79-87  
 MONTH: JAN HOURS/CLST: 0000-0200

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	BEAUF WIND	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-75			GT 76
N	.3	1.0	1.4	.7								3.4	1.3
NNE	.3		.7	.4	.5							2.9	11.4
NE	.1	.1	.5	.7	.1	.1						1.6	10.2
NNE		.3	.7	.5								1.8	6.7
E	.1	.4	1.0	.4								1.9	6.8
ESE	.2	.3		.7								.9	7.1
SE	.5	.6	.7	.1								1.9	4.7
ESE	.4	.4	.6	.4								1.8	7.1
S	1.7	2.0	2.4	1.5	.1							7.7	7.7
SSW	1.4	5.1	3.4	1.4	.4							12.5	7.7
S	4.2	2.9	3.7	1.4	.1	.1						12.4	6.7
WSW	2.0	3.4	3.0	.1								10.5	6.3
W	1.7	3.1	2.5	1.2	.1	.1						8.7	7.0
WSW	1.4	1.9	1.5	.5	.2							6.5	6.2
W	1.3	2.4	3.7	2.5	.3	.1						9.9	6.6
WNW	.8	2.5	1.1	1.3	.3	.1						5.7	7.6
VERTICAL													
CALC	////////////////////										11.5	////	
TOTALS	17.4	27.7	27.5	13.0	2.3	.5						109.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 936



FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C.  
 AIR WEATHER SERVICE/MAU

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

STATION NUMBER: 726395 STATION NAME: WOODRUSH ARB MI

PERIOD OF RECORD: 79 01  
 MONTH: JAN HOURS OF RECORD: 0500

WIND SPEED IN KNOTS

DIRECTION (DEGREES)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-56	TOTAL	MEAN WIND
0	25	149	143	29	21						728	7.1
090			22	29	23	22					106	10.6
90		21	23	25	21						90	9.0
180	21	27	27	26	21	22					144	14.4
1	21	26	25	27							99	7.9
030	22	22	27								71	6.8
30	25	27	23	22							97	7.7
330	22	22	22	27							93	7.3
360	127	226	228	27							728	7.1
045	125	225	227	225		21					1028	7.2
45	125	227	227	127		21					1227	6.2
060	220	222	127	127	21						927	7.6
60	227	227	127	127	21						1227	6.7
075	127	227	221	27							727	6.7
75	125	227	227	227	21						927	6.3
090	120	227	227	127	22	21					727	6.2
105	////////////////////										127	12.7
TOTALS	1627	2221	2527	1727	129	120					10227	6.2

TOTAL NUMBER OF OBSERVATIONS: 93

USAF CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/AFAC

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

STATION NUMBER: 206495 STATION NAME: MONTICELLO AFB MI

PERIOD OF RECORD: 78-87  
 MONTH: JAN HOURS/DAY: 000-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL	MEAN WIND
	1-5	6-10	11-15	16-20	21-25	26-30	31-40		
000	0	0	0	0	0	0	0	0	0
015	0	0	0	0	0	0	0	0	0
030	0	0	0	0	0	0	0	0	0
045	0	0	0	0	0	0	0	0	0
060	0	0	0	0	0	0	0	0	0
075	0	0	0	0	0	0	0	0	0
090	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0
195	0	0	0	0	0	0	0	0	0
210	0	0	0	0	0	0	0	0	0
225	0	0	0	0	0	0	0	0	0
240	0	0	0	0	0	0	0	0	0
255	0	0	0	0	0	0	0	0	0
270	0	0	0	0	0	0	0	0	0
285	0	0	0	0	0	0	0	0	0
300	0	0	0	0	0	0	0	0	0
315	0	0	0	0	0	0	0	0	0
330	0	0	0	0	0	0	0	0	0
345	0	0	0	0	0	0	0	0	0
360	0	0	0	0	0	0	0	0	0
TOTAL	100	100	100	100	100	100	100	100	100
TOTAL	100	100	100	100	100	100	100	100	100

TOTAL NUMBER OF OBSERVATIONS: 100

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AFW WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(UT): 0900-1100

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			GF 56
N	.6	2.2	2.7	1.7	.9							6.8	8.6
NNE	.1		.7	.1								1.3	10.6
NE	.1		.4	.								1.3	9.5
NNE		.1	.7	.7	.3							1.9	10.7
E		.7	.5	.1								1.3	8.2
ESE	.1	.1	.7	.1								.6	8.0
SE		.	.5	.1								.9	8.3
SSE	.6	1.7	.7	.1								2.8	5.7
S	.8	2.7	2.7	2.	.1							9.2	8.1
SSW	1.1	2.9	3.1	1.7	.1	.1						9.9	7.9
SW	2.8	4.9	4.5	2.1		.9	.1					14.7	7.6
WSW	1.8	1.7	1.9	1.7	.1	.1						7.6	7.1
W	1.8	1.9	2.7	1.9	.7							9.2	6.8
WSW	1.7	2.0	2.7	2.7	.5	.1						9.9	8.5
W	.8	1.7	3.1	2.7	.7	.1						9.9	9.1
WNW	.7	1.7	.1	1.1	.1							6.6	7.8
WINDY													
CALM	////////////////////											9.7	////
TOTAL	17.2	26.1	26.1	16.7	1.9	1.1	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(UT): 1700-1400

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	48-56			GE 56
N	.9	1.9	3.1	1.1	.1	.2						6.7	8.6
NNE	.9	.3	1.6	1.1	.1							3.4	5.0
NF	.3	.7	.5	.3	.1							2.2	6.8
ENE	.1	.7	.5	.4	.2							1.9	10.3
E	.2	.1	.7	.1	.1							1.1	8.0
ESE	.1	.9	.6	.4								2.0	7.4
SE	.1	.8	1.6	.1								1.9	6.9
SSE	.5	.8	1.6	.6								2.9	7.7
S	.6	1.9	3.1	2.4	.4	.1						8.8	9.3
SSW	.9	2.4	4.5	2.6	.6	.1						10.4	9.1
SW	1.3	1.8	2.5	2.7	.3	.4	.1					9.4	9.4
WSW	1.0	1.7	2.4	3.1	.6	.5	.1	.1				9.7	10.9
W	.6	1.7	3.1	3.5	.8							9.7	10.7
WNW	.5	.9	3.5	2.5	.4							8.7	9.5
W	.2	1.2	3.7	3.9	.4	.1						9.5	10.6
WNW	1.2	1.7	3.1	1.7	.3	.1						8.2	8.2
VERTICAL													
CALC	////////////////////											4.3	////
TOTAL	8.4	12.7	36.1	25.1	4.6	1.6	.2	.1				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS: 237

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/PAAC

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

STATION NUMBER: 726395 STATION NAME: WORTSMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 1500-1700

FORM 3111

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	1.5	2.9	2.2	.0								7.2	6.1
NNE	.2	.9	1.2	1.1								3.4	4.9
NE	.4	.9	.8	.5	.1							2.4	5.2
NNE	.8	1.0	.1	.7	.2							2.4	6.2
E	.4	.0	.4	.1	.3							2.0	8.2
ESE	.5	1.4	.1	.7								2.6	5.7
SE	.2	.9	1.1	.2								2.3	7.2
SSE	.4	1.1	1.6	.2								3.3	6.6
S	1.1	1.4	5.7	2.0	.2							12.7	7.8
SSW	.2	1.4	1.6	2.2	.3	.1						6.8	10.3
SW	1.1	1.4	2.1	1.0	.1	.1	.1					5.7	8.6
WSW	1.4	1.5	3.1	2.2	.3	.1						9.0	8.6
W	.2	2.0	2.7	3.2	.5	.2						10.2	10.1
WSW	.3	1.4	4.0	3.0	.4							9.1	9.8
W	.4	1.1	2.0	3.2	.3							4.7	10.1
WNW	1.0	1.4	3.7	1.7		.1						4.1	8.8
VARIABLE													
CALC	////////////////////											3.5	////
TOTALS	11.2	23.3	33.5	24.2	2.9	.9	.1					100.6	8.3

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB HI PERIOD OF RECORD: 78-87  
 MONTH: JAN. HOURS(LST): 1800-2000

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	1.7	2.8	1.1	.6								6.2	5.8
NNE	.3		.9	.6	.2							2.0	10.2
NE	.2	.2	.1	.4	.3							1.3	11.2
NNE	.1	.5	.5	.7								1.4	7.8
E	.4	.3	.7	.1	.3							1.8	8.5
ESE	.5	.4	.1	.4								1.5	8.8
SE	1.6	1.3	.7	.1								3.5	4.5
SSE	1.7	1.6	1.5	.4	.1							4.8	6.3
S	1.7	3.4	3.2	1.4	.2							10.1	7.1
SSW	1.3	2.5	1.5	2.4	.2							7.8	8.1
SW	1.4	2.0	2.2	.5	1.1	.1						7.2	8.2
WSW	1.4	1.6	2.2	1.3	.4	.2						7.1	8.5
W	2.7	3.0	2.2	2.4	.1	.1						11.7	7.0
WNW	.9	2.2	2.2	1.5	.1	.2						7.0	8.2
NW	1.0	2.3	2.4	2.7	.3	.1						9.1	8.9
NNW	1.8	1.5	1.0	1.9		.1						7.2	7.8
VARIABLE	////////////////////////////////////											9.9	////
TOTALS	18.1	26.9	24.6	16.5	3.4	.9						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 940

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/ZMAC

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

STATION NUMBER: 726395 STATION NAME: WOOTEN/SMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): 2100-2300

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	.8	1.5	.5	.0								2.4	6.1
NNE		.7	.5	.9	.1							1.9	11.9
NE	.2	.7	.6	.4	.3							1.9	9.6
NNE	.3		.7	.7								.9	6.6
E	.3	.1	.6	.4								1.5	8.8
ESE	.2	.1	.7	.4								1.0	9.7
SE	.6	1.1	1.0	.5								2.0	6.4
SSE	.4	1.1	1.0	.9								3.3	7.7
S	1.7	1.6	2.5	1.5								7.7	7.3
SSE	1.6	2.7	3.9	2.5	.9							10.4	6.0
SW	3.9	3.6	2.2	2.5	.1	.1						12.3	6.5
WSW	1.9	4.8	2.5	1.1	.4							8.3	7.1
W	2.2	1.9	2.5	.5	.2	.1						8.7	5.9
WNW	1.8	2.0	2.6	1.2	.1	.1						7.2	6.9
W	1.4	2.5	2.7	3.5	.4	.2	.1					10.9	9.3
WNW	1.3	1.6	1.7	1.9	.1							6.6	7.4
VARIABLE													
CALC	////////////////////											10.4	////
TOTALS	18.7	25.4	24.0	17.1	2.7	.5	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS: 936

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/WHAC

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

STATION NUMBER: 726395 STATION NAME: WORTSMITH AFB HI

PERIOD OF RECORD: 79-97  
MONTH: JAN HOURS(DIST): ALL

FORM 1151

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	47-55			GE 56
N	.8	1.0	1.6	.7	.1	.1						5.2	7.3
NNF	.2	.2	.2	.9	.2	.0						2.1	10.7
NE	.2	.2	.6	.9	.1	.0						1.5	9.6
NNE	.2	.7	.4	.5	.1	.0						1.6	9.5
E	.2	.4	.7	.2	.1							1.6	8.3
ESE	.2	.4	.7	.7								1.2	6.9
SE	.5	.7	.6	.1								1.9	5.9
SSE	.5	.8	.9	.4	.0							2.7	6.8
S	1.3	2.5	3.2	1.5	.1	.0						9.7	7.5
SSW	1.4	3.5	3.1	1.7	.4	.1						10.1	7.8
SW	2.9	3.2	3.2	1.7	.2	.2	.0					11.5	7.1
WSW	1.8	2.6	2.3	1.5	.3	.1	.0	.0				8.7	7.6
W	1.7	2.7	2.4	1.0	.3	.1						9.0	7.5
WNW	1.2	1.9	2.7	1.7	.2	.1						7.9	8.1
NW	1.0	2.0	3.0	2.9	.3	.1	.0					9.4	9.2
NNW	1.1	1.0	2.3	1.9	.1	.1						6.9	7.9
VAR/APLT													
CLLH												9.9	////
TOTALS	15.3	25.5	28.1	17.0	2.6	.7	.1	.0				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 7440



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 7A-87  
MONTH: FEB HOURS(LST): 0000-0200

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	1.4	2.5	2.0	.6								6.5	5.9
NNE	.2	.2	1.1	1.1	.4							3.0	10.8
NE	.4	.5	.8	.2								1.9	7.0
ENE	.2	.9	.1	1.2								2.5	8.9
E	.2	.9	1.3									2.5	6.2
ESE	.1	.7	.6									1.4	6.2
SE	.5	.7	.2									1.4	4.8
SSE	.7	.6	.7									2.0	5.1
S	1.5	2.6	1.3	.9								6.3	5.8
SSW	2.9	3.2	3.4	2.4		.1						11.9	7.0
SW	1.8	4.6	1.9	.7								9.0	5.8
WSW	2.5	2.6	.8	.5	.1							6.5	5.0
W	2.6	2.1	2.1	.6	.1							7.6	6.0
WNW	2.7	2.2	2.2	.4	.1							7.7	5.3
NW	1.5	2.0	1.4	1.1	.1							6.1	6.8
NNW	2.6	3.0	2.3	.4								8.2	5.4
VARIABLE													
CALM	////////////////////////////////////											15.6	////
TOTALS	21.9	29.4	22.1	9.8	1.8	.1						100.0	5.2

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: 726395 STATION NAME: WORTSMITH AFB MI

PERIOD OF RECORD: 78-87  
 MONTH: FEB HOURS(LST): 0300-0500

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	2.5	2.2	2.7	.5	.1	.1						8.2	6.3
NNE	.1	.5	.6	.7	.1	.1						2.1	10.5
NE	.2	.2	.5	.6								1.5	8.8
ENE	.2	.5	.6	.8	.1							2.2	9.5
E	.4	1.3	.9	.6								3.2	6.7
ESE	.4	.5	.5									1.3	5.6
SE	.5	.9	.5									1.9	5.1
SSE	.9	1.3	.2									2.5	3.9
S	1.7	2.0	2.2	.4								6.3	5.6
SSW	3.2	5.6	3.0	1.5								13.5	6.2
SW	2.5	2.6	1.7	.6								7.3	5.3
WSW	1.7	2.4	1.2	.1								5.3	4.8
W	1.4	2.6	1.7	.8	.1							6.3	6.1
WNW	2.5	2.4	1.7	.5	.1							6.7	5.4
W	2.7	3.5	1.4	.7								8.4	5.3
WNW	1.9	4.0	1.4	.7	.1							8.2	6.0
VARIABLE													
CALC	////////////////////											15.1	////
TOTALS	22.7	32.5	20.0	8.7	.7	.2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0600-0800

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	2.1	1.7	3.4	.8	.4							8.4	6.8
NNE	.1	.7	.4	.4								1.5	7.2
NE	.1	.5	.7	.6	.1							2.0	9.2
NNE	.1	.5		.9	.2							1.8	11.3
E	.5	.6	.5	1.2								2.7	8.2
ESE	.6	1.1	.4									2.0	4.5
SE	.1	.7	.4									1.2	5.7
SSE	.4	.4	.9	.4								2.5	7.1
S	1.2	2.7	2.5	.2								6.6	5.7
SSW	3.1	4.5	2.1	1.5								11.2	6.0
SW	2.7	3.8	1.4	.7								8.6	5.2
WSW	1.9	1.3	1.1	.2	.1							4.6	4.9
W	2.1	1.4	1.1	.6								7.2	5.0
WNW	2.6	1.9	1.7	1.7								7.3	6.1
NW	2.6	2.6	2.4	1.1		.1						8.7	6.4
NNW	1.5	3.3	2.0	.5								7.6	5.8
VARIABLE													
CALM	////////////////////											16.0	////
TOTALS	21.7	30.0	21.0	10.2	.8		.1					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WUPRTSMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0900-1100

WIND SPEED IN KNOTS

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	1.3	2.8	4.8	1.1	.5	.1						10.6	7.8
NNE	.5	.8	.7	.6								2.6	7.3
NE	.2	.6	.7	1.9	.2							3.7	10.5
ENE	.1	.6	.2	.7								1.7	9.2
E	.8	1.4	.6	1.7								4.5	7.7
ESE	.1	.5	.8	.2								1.7	7.3
SE	.1	.4	.7									1.2	6.7
SSE	.1	.5	.6	.1								1.3	7.2
S	.2	2.4	2.4	1.9								6.9	8.2
SSW	2.1	4.7	3.4	2.1	.1							12.5	7.0
SW	3.0	3.8	2.0	1.5								10.3	5.9
WSW	1.5	1.7	2.7	.7	.2							6.9	6.8
W	.5	1.1	1.7	.2								4.1	7.9
WNW	.6	1.3	1.5	.3								4.3	7.4
NW	1.4	2.9	3.0	1.3	.4							9.3	7.6
NNW	.7	2.2	3.5	2.5	.1			.1				9.2	8.7
VARIABLE													
CALM	////////////////////											9.3	////
TOTALS	13.4	27.5	29.4	18.6	1.5	.1		.1				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726345 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 78-87  
 MONTH: FEB HOURS(LST): 1200-1400

WIND SPEED IN KNOTS

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	.6	3.7	4.8	2.9	.1							11.9	8.4
NNE	.6	1.4	1.7	2.6								5.9	8.9
NE	.6	1.3	.7	1.7	.1							3.9	8.1
ENE	.2	2.4	.9	1.9								5.4	8.5
E	.7	2.8	1.7	.7								5.4	6.5
ESE	.5	.9	1.2	.1								2.7	6.2
SE	.7	.1	.8	.1								1.8	5.9
SSE	.2	1.3	1.1	.2								2.8	6.8
S	.4	2.0	3.4	2.4								8.2	8.6
SSW	.5	3.7	4.1	3.1	.2							11.6	8.6
SW	.4	3.3	3.0	2.1	.2							9.0	8.6
WSW	.5	1.4	.9	2.2	.2							5.3	9.7
W	.5	.5	2.6	1.9	.1	.1						5.8	9.8
WNW	.2	1.4	1.7	1.5	.1							4.6	9.1
NW	.2	.8	2.6	1.8	.1	.1						5.7	9.7
NNW	.7	1.3	2.8	1.3		.4						7.0	9.4
VARIABLE													
CAL	////////////////////											3.0	////
TOTALS	7.4	29.3	33.0	26.5	1.3	.6						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS: 946

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WUPTSMITH AFB MI

PERIOD OF RECORD: 7P-87  
MONTH: FEB HOURS(LEST): 1500-1700

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	1.4	2.6	3.0	3.1	.1							11.0	8.3
NNE	.5	.9	1.0	1.7								4.8	8.8
NE	.1	1.2	2.2	1.7	.4							5.1	9.0
NNE	1.8	2.5	1.4	1.3								7.0	6.4
E	.6	2.6	2.7	.7								6.1	6.5
ESE	.1	1.8	1.1									3.0	5.7
SE	1.4	2.2	.6									4.3	4.4
SSE	.6	1.2	.8	.1								2.7	5.6
S	.4	2.6	6.1	2.0	.2							12.2	8.9
SSW	.7	1.2	3.1	3.1								8.5	9.3
SW	.6	1.1	2.0	2.0	.1							5.8	9.2
WSW	.4	.9	.9	2.2	.4	.1						5.0	10.4
W	.7	.6	3.1	1.2	.1							6.3	9.1
WNW	.4	.7	2.1	1.9	.7							5.3	10.3
NW	.1	1.5	3.5	.7	.7							6.6	9.1
NNW	.6	1.5	1.2	.5		.4						4.1	8.0
VARIABLE													
CALM	////////////////////										2.2	////	
TOTALS	10.3	25.2	36.8	22.2	2.7	.5						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/ZHAC

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

STATION NUMBER: 726195 STATION NAME: WOODSMITH AFB ME

PERIOD OF RECORD: 78-87  
 MONTH: FEB HOURS/SET: 1800-2000

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		
N	2.4	2.7	2.6	1.9	.2						10.5	6.5
NNE	1.5	.9	1.6	.2							4.6	5.7
NE	.4	.6	.7	1.1							2.8	6.7
ENE	.4	.9	.6	1.1							2.9	7.8
E	.9	1.7	.6	.2							3.4	5.2
ESE	.8	1.1	.6								2.5	4.7
SE	1.1	.8	.7								2.6	3.9
SSE	1.1	1.9	.4	.1							3.4	4.6
S	1.9	4.5	5.1	.9	.1						12.5	6.6
SSW	.8	3.1	3.4	2.9	.2						10.4	4.3
SW	1.2	1.7	1.7	.6	.1						4.8	7.2
WSW	.9	.9	1.7	.5							4.0	6.5
W	.9	3.1	2.5	1.4	.2	.1					8.2	7.7
WNW	1.4	1.7	1.7	1.1							5.9	6.6
W	1.4	.6	1.7	1.1	.1						4.9	7.4
NNW	1.3	1.7	.6	.5	.2						4.3	6.4
VARIABLE												
CALM	////////////////////										13.2	////
TOTALS	19.4	26.4	25.2	13.7	1.2	.1					107.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 446

GLOBAL CLIMATOLOGY BRANCH  
 13421AC  
 AIR WEATHER SERVICE/RAC

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

STATION NUMBER: 726395 STATION NAME: WOLFSPITH AFB MI

PERIOD OF RECORD: 78-87  
 MONTHS: FEB HOURS/DAYS: 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND SPEED
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.7	2.0	2.0	.0	.0	.0	.0	6.7	5.9
NNE	.7	.0	.0	.0	.0	.0	.0	2.4	5.8
NE	.0	.0	.0	.0	.0	.0	.0	1.8	5.5
NNE	.0	.0	.0	.0	.0	.0	.0	1.9	10.9
E	.0	1.0	1.0	.0	.0	.0	.0	3.2	6.5
ESE	.0	.0	.0	.0	.0	.0	.0	1.9	6.5
SE	.7	.0	.0	.0	.0	.0	.0	2.0	6.2
SSE	.0	.0	.0	.0	.0	.0	.0	1.9	6.1
S	1.5	1.5	1.5	1.0	.0	.0	.0	7.1	6.7
SSE	2.0	.0	2.0	2.0	.0	.0	.0	11.0	6.2
SE	1.5	2.0	1.0	1.1	.0	.0	.0	7.3	6.1
SSE	1.1	1.1	1.1	.0	.0	.0	.0	6.5	6.1
S	2.0	2.0	1.0	.0	.0	.0	.0	9.9	6.4
SSE	2.0	2.0	.0	.0	.0	.0	.0	6.0	5.8
SE	1.0	1.0	2.0	.0	.0	.0	.0	5.0	6.5
SSE	1.0	1.1	1.0	.0	.0	.0	.0	4.8	6.5
VALE								19.3	////
CALM								100.0	6.3
TOTALS	19.7	27.0	20.7	11.0	1.0	.0	.0	100.0	6.3

TOTAL NUMBER OF OBSERVATIONS: 496



GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WOLFSMITH AFB MI

PERIOD OF RECORD: 79-97  
MONTH: FEB HOURS(DIST): ALL

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	48-53	54-58		
N	1.6	2.7	3.2	1.3	.2	.0						9.2	7.2
NNE	.5	.7	1.1	1.7	.1	.0						7.4	6.4
NE	.3	.7	.8	1.0	.1							2.9	6.9
NNE	.9	1.0	.5	1.1	.1							3.2	6.4
E	.5	1.6	1.2	.6								4.2	6.2
ESE	.9	.9	.7	.0								2.7	5.5
SE	.6	.9	.5	.0								2.0	6.9
SSE	.6	1.0	.6	.1								2.4	5.5
S	1.1	1.5	3.1	1.3	.0							6.2	7.2
SSW	1.9	3.6	3.7	2.5	.1	.0						11.7	7.4
SW	1.7	3.0	1.7	1.2	.1							7.4	6.5
WSW	1.3	1.7	1.3	.8	.1	.0						5.3	6.7
W	1.5	2.1	2.1	1.1	.1	.0						6.9	6.9
WNW	1.6	1.7	1.5	1.7	.1							6.9	6.8
W	1.9	1.9	2.2	1.1	.2	.0	.0					6.9	7.3
WNW	1.9	2.1	2.0	.7	.1	.1		.3				7.7	7.0
VARIABLE													
CALM	////////////////////											11.6	////
TOTALS	16.9	29.7	26.1	15.1	1.7	.2	.0	.0				100.0	6.2

TOTAL NUMBER OF OBSERVATIONS: 6768

GENERAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 78-87  
 MONTH: MAR HOURS (LST): 0000-0100

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	56-65		
N	2.9	1.6	2.5	1.1	.1							4.1	6.7
NNE	.4	.9	.5	.4								2.7	7.8
NE	.1	1.3	.5	1.5	.4							4.2	10.1
NNE	.4	.6	.5	1.5	.3							5.2	9.1
E	.8	.9	.8	.1								2.6	5.7
ESE	.6	1.1	1.2									2.9	5.6
SE	.1	.4	.3	.1								1.2	6.6
SSE	.6	.7	.4	.1								1.7	5.9
S	.8	1.6	3.1	1.2	.1							6.5	8.0
SSW	1.4	1.1	2.3	1.7	.2							6.3	7.1
SW	1.5	2.2	1.5	.7	.1							6.6	6.6
WSW	2.3	2.2	1.7	.2	.1							6.0	5.8
W	2.6	1.7	1.4	.9								6.6	5.6
WSW	1.7	1.5	2.8	.5								6.3	6.3
NW	1.3	2.8	1.5	1.7	.8							8.7	7.4
NNW	1.7	2.7	1.4	.5	.1							6.5	6.1
VARIANCE													
CALC	////////////////////											20.0	////
TOTALS	18.9	31.7	23.8	11.5	2.3							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
AFRLTAF  
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WUSTSMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0300-0500

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN WIND	
	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
0	1.9	1.7	2.1	1.0	.2							9.0	7.0
090	.8	1.4	1.1	.7	.1	.2						4.3	8.0
90	.3	1.0	.7	1.2								2.9	9.3
162	.7	.6	1.4	1.0	.1	.2						3.7	10.2
180	.4	.9	.4	.7								1.9	5.9
198	.4	.6	.7	.1								1.7	5.5
270	.1	.4	.1									.6	5.0
333	1.0	.7	.7									1.6	5.8
5	1.4	2.3	2.0	.3								6.7	5.7
104	1.7	1.6	3.1	1.7								7.8	7.9
124	2.0	1.7	1.4	.7								6.7	5.2
134	1.4	1.7	.7	.2								5.2	4.8
144	1.8	2.7	1.7	.7	.3	.1						7.7	6.6
154	1.5	1.5	1.7	.6	.1							6.3	6.7
164	2.2	2.4	2.1	.7	.5							8.7	7.0
174	1.3	1.7	1.7	1.1								6.3	6.7
VARIABLE													
CALC?	////////////////////											21.6	////
TOTALS	18.7	26.7	21.4	11.3	1.4	.5						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 250

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETL  
 AIR WEATHER SERVICE/PAC

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

STATION NUMBER: 726395 STATION NAME: WASHINGTON AFB TX

PERIOD OF RECORD: 78-87  
 MONTH: MAR HOURS(UT): 0000-0600

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL %	HEAV. winds	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	1.8	2.5	2.7	1.5	.9							4.4	7.3
NNE	.9	1.8	1.1	1.7	.2	.1						5.4	7.9
NE	.4	.9	1.7	1.7	.2							4.4	9.5
NNE	.2	.5	.9	.9	.2	.1						2.4	5.6
E	.4	1.1	1.2	.9								3.2	6.9
ESE	.9	.7	.9									1.9	4.9
SE	.6	.7	.1									1.1	3.3
SSE	.2	.6	.5	.1								1.5	6.3
S	1.8	2.9	1.5	.6								7.3	5.9
SSW	1.6	2.7	2.7	1.7	.1							8.0	6.9
S-	1.8	.7	1.1	.6								6.8	5.6
SSW	1.5	.6	.4	.5	.1	.1						3.3	6.7
W	1.5	1.6	1.7	.5	.2	.1						5.1	6.7
WSW	1.7	1.5	2.5	.8	.3	.1						6.5	7.6
W	1.6	2.5	1.9	2.5	.3							9.7	7.6
WNW	1.9	2.5	2.1	1.9	.2							9.1	7.2
WVARIABLE													
CALM	////////////////////											18.5	////
TOTALS	18.1	24.9	21.8	13.8	2.4	.5						100.0	5.8

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WUPTSMITH AFB M1

PERIOD OF RECORD: 78-87  
 MONTH: MAR 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	.2	1.0	3.0	2.6	.2							7.8	9.2
NNE	.5	.0	1.0	2.3	.4							5.9	9.9
NF	.4	3.2	5.0	1.4	.5							11.1	8.3
ENE	.5	2.7	4.0	.6	.2							8.1	7.5
E	.3	3.2	2.0	.2								5.8	6.1
ESE	.8	2.7	1.5	.1								5.5	6.0
SE	.1	1.1	1.1									2.3	6.3
SSE		1.6	1.4	.3	.2							3.5	8.1
S	.4	.6	4.5	2.4	.8	.1						9.4	10.2
SSW	.2	.0	2.2	2.3	.3							5.7	10.1
SW	.2	1.1	1.0	1.7	.3							5.3	10.0
WSW	.2	1.1	1.1	1.5	.6	.4						4.9	11.7
W	.2	.6	1.0	1.7	.6							5.4	10.8
WNW	.3	.3	1.0	2.3	.6							5.4	11.5
W	.3	1.0	2.2	3.4	.8	.2						7.8	11.5
NNW	.3	.4	2.7	1.0								5.3	9.3
VARIABLE													
CALC	////////////////////											.0	////
TOTALS	5.3	23.7	39.4	24.9	5.7	.8						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFLCAC  
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 78-87  
 MONTH: MAR HOURS (LST): 1500-1700

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	.2	.5	2.7	2.7	.3							5.8	10.1	
NNE		.6	3.4	3.2	.3							7.6	10.6	
NE	.4	3.0	3.0	1.8	.2							8.5	8.2	
ENE	.4	3.3	3.8	.7								7.8	6.8	
E	1.7	4.4	3.1	.6								9.9	5.8	
ESE	.8	3.0	2.3									6.0	5.9	
SE	.5	2.2	1.4	.2								4.3	6.2	
SSE	.3	1.1	1.9	.3								3.7	7.6	
S	.3	1.1	3.4	2.7	1.0							8.5	10.5	
SSW		1.0	1.9	1.1	1.0							4.9	10.8	
SW	.1	.7	1.0	1.6								3.0	10.2	
WSW	.1	.2	1.5	1.8	.3	.1						4.1	11.8	
W	.2	1.0	1.7	3.0	.6	.1	.1					6.6	12.2	
WNW	.2	.8	1.7	3.8	1.0							7.1	12.2	
NW		.3	2.4	2.0	.5	.1						5.4	11.9	
NNW	.7	1.0	3.0	1.5	.2	.2						6.1	9.8	
VARIABLE														
CELH	////////////////////											.6	////	
TOTALS	5.6	25.8	36.1	25.4	5.5	.5	.1					100.0	9.2	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAJ

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

STATION NUMBER: 726395 STATION NAME: WUPTSHTH AFB MI PERIOD OF RECORD: 7A-R7  
 MONTH: MAR HOURS (LST): 1800-2000

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	2.6	3.2	3.1	1.2	.1							10.2	6.5
NNE	.8	2.9	2.2	.6								6.5	6.6
NE	.2	1.7	2.7	1.2								5.4	8.4
NNE	1.3	2.9	.5	.5								5.3	5.6
E	2.2	2.3	1.0	.3								5.7	4.7
ESE	1.9	1.0	1.0									4.8	4.2
SE	1.6	1.9	.8	.2								4.5	4.8
ESE	1.4	1.4	1.0	.3								4.1	5.6
S	1.0	2.4	2.4	1.3	.2	.1						7.3	8.0
SSW	.4	2.7	1.4	1.2	.4							6.1	8.2
SW	.4	1.1	.5	.3	.1							2.8	7.2
WSW	.5	1.7	1.7	.9								4.4	7.6
W	.6	1.7	2.0	1.9	.3		.1					6.8	9.2
WNW	.8	1.6	2.6	2.4	.2							7.5	9.1
NW	.9	1.7	1.7	1.3	.2	.3						6.2	9.6
NW	.5	1.1	1.0	.6								3.9	7.5
VARIABLE													
CALC	////////////////////											4.3	////
TOTALS	17.1	31.5	26.1	14.9	1.6	.4	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 928



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WUPRTSMITH AFB MI

PERIOD OF RECORD: 78-87  
 MONTH: MAR HOURS(LST): 2100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	2.5	1.9	2.7	1.3	.3			8.7	7.1
NNE	.8	1.1	.5	.5				3.1	6.4
NE	.8	1.1	1.2	.8	.2			4.0	7.6
ENE	.8	.8	1.0	1.2	.1			3.9	8.2
E	1.4	1.1	.4					2.9	3.9
ESE	.3	.6	1.2	.1				2.3	6.6
SE	.4	.4	.9					1.7	6.0
SSE	.6	.9	1.8	.3				3.7	7.2
S	1.0	1.8	2.0	1.3				6.1	7.4
SSW	1.4	1.5	2.3	1.2	.2			6.6	7.2
SW	1.9	1.6	1.8	.9	.1			6.4	6.4
WSW	1.9	1.3	.5	.2				4.0	4.8
W	1.8	2.5	1.2	.3	.1			6.4	5.8
WNW	1.2	1.5	1.9	1.5	.2			7.3	7.5
W	1.7	1.5	2.6	2.0	.3	.1		8.3	8.2
WNW	1.5	1.7	1.4	.6				5.3	6.3
VARIABLE									
CALM	////////////////////////////////////							19.4	////
TOTALS	20.1	27.3	23.7	12.7	1.6	.1		100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAF/ETAC      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/MAL

STATION NUMBER: 726395    STATION NAME: WURTSMITH AFB MI      PERIOD OF RECORD: 78-87  
 MONTH: MAR    HOURS(LST): ALL

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	1.6	2.1	2.7	1.7	.2	.0						8.3	7.6
NNF	.6	1.3	1.6	1.4	.2	.0						5.2	8.6
NE	.4	1.7	2.1	1.5	.2							5.9	8.7
ENE	.6	1.6	1.8	.8	.1	.1						4.9	7.8
E	1.0	2.0	1.4	.3								4.7	5.8
ESE	.8	1.4	1.7	.0								3.4	5.5
SE	.5	1.0	.8	.1								2.3	5.7
SSE	.6	.9	1.1	.2	.0							2.8	6.7
S	1.0	1.8	2.5	1.5	.3	.0						7.5	8.2
SSW	.8	1.8	2.4	1.5	.3							6.8	8.2
SW	1.1	1.6	1.5	.7	.1	.0						5.3	7.1
WSW	1.1	1.1	1.1	.7	.2	.1						4.4	7.7
W	1.1	1.6	1.6	1.4	.3	.1	.0					6.0	6.4
WNW	.9	1.5	2.1	1.7	.4	.0						6.6	8.8
NW	1.1	1.5	2.3	2.1	.5	.1						7.7	9.0
NNW	1.0	1.7	2.2	1.4	.1	.0						6.5	7.7
VARIABLE													
CALM	////////////////////											11.8	////
TOTALS	14.2	24.6	28.0	17.2	3.1	.5	.0					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS: 7435

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WUPISHITH AFB MI

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

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	56		
N	2.8	4.1	2.6	1.0								10.4	5.8
NNE	1.8	.7	1.1	1.1								4.7	6.7
NE	.7	.6	1.0	1.0								4.0	8.2
NNE	.9	1.1	.6	.8								3.2	6.4
E	.6	1.6	1.1	.2								3.4	6.2
ESE	.7	.8	.7									2.1	5.0
SE	.3	.7	.7									1.2	4.9
ESE	.7	.7	.6	.2								2.3	6.0
S	.8	1.6	1.0	1.7	.1							6.0	8.2
SSW	1.6	2.0	1.1	.2								5.3	5.3
SW	3.1	2.3	.7	.2	.2							6.6	4.6
WSW	2.6	1.5	.6	.2		.2						4.6	5.0
W	1.1	2.6	1.0	.2	.1	.1		.1				6.9	7.0
WNW	1.1	.6	1.2	.4	.1	.1						3.9	7.9
W	1.4	1.9	2.2	1.1	.2							7.0	7.3
WNW	2.0	2.0	3.1	.4	.1							7.4	6.0
VARIABLE													
CALM	////////////////////											20.9	////
TOTALS	22.0	21.0	20.0	9.5	.9	.4		.1				100.0	5.6

TOTAL NUMBER OF OBSERVATIONS: 910

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WURTSHITH AFB MI

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

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	1.8	2.7	2.6	1.3								7.9	6.9
NNE	1.1	.7	2.1	1.2								5.1	7.8
NE	.8	1.0	1.3	.9								4.0	7.1
ENE	.9	1.1	1.2	.9								4.1	7.1
E	1.1	1.8	1.4									4.3	5.3
ESE	.2	.4	.7									1.7	4.0
SE	.3	.1	.2	.3								1.0	7.7
SSE	.6	.2	.7	.1								1.6	6.0
S	1.1	1.7	1.9	.9	.2							5.8	7.2
SSW	1.9	2.2	1.9	.3								6.3	5.8
SW	1.9	2.7	1.2	.3								5.8	4.9
WSW	2.9	1.1	.8	.4								5.2	4.7
W	1.8	2.2	1.9	.7	.1		.1	.2				6.7	7.0
WNW	1.2	1.0	1.8	.7	.3							5.0	7.7
NW	1.1	1.9	1.7	.2								4.9	5.9
NNW	2.7	3.2	3.5	.6								9.4	5.5
VARIABLE													
CALC	////////////////////////////////////											21.2	////
TOTALS	22.6	23.7	24.8	17.4	.7		.1	.2				100.0	5.0

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: 726395 STATION NAME: WURTSMITH AFB MI

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

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	1.2	3.2	3.7	1.6								9.7	7.1
NNE	.8	2.2	1.7	1.8	.1							6.6	7.6
NE	.9	1.2	1.2	.9	.1							4.4	7.7
ENE	1.1	1.4	1.7	.9								4.7	7.0
E	.6	1.7	1.6	.1								3.9	6.0
ESE	.3	1.0	.8	.1								2.2	6.2
SE	.8	.6	.7	.2								1.8	5.0
SSE	.7	.2	.7	.2	.1							1.6	7.6
S	1.4	2.1	1.2	.8	.3							6.0	7.0
SSW	1.0	3.3	2.6	.8	.2							7.9	7.0
SW	1.2	2.6	1.4	.4								5.7	5.7
WSW	1.2	1.4	1.1	.5								4.1	5.7
W	1.3	2.2	2.6	.7	.1							6.3	6.6
WNW	.3	1.4	2.0	1.3	.1	.2	.1	.2				5.8	10.7
W	1.3	1.4	2.2	1.4	.2	.1						6.8	8.0
WNW	2.3	2.9	2.8	.9								8.9	6.2
VARIABLE													
CALM	////////////////////											13.8	////
TOTALS	16.2	24.0	26.6	12.4	1.3	.3	.1	.7				100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/HMC

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

STATION NUMBER: 726395 STATION NAME: WOOTSMITH AFB MI

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

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	1.0	1.0	5.7	2.0								10.7	8.5
NNE	.4	2.1	1.7	1.3								5.5	8.2
NE	.8	2.6	2.8	1.3	.6							8.4	8.4
NNE	1.1	2.7	3.7	.6								7.6	6.5
E	2.0	2.3	2.6	.7								7.6	6.3
ESE	.8	1.4	1.7	.1								4.0	5.9
SE	.6	1.4	1.4	.7	.1							3.9	5.8
SSE	.4	.4	.6	.7								2.4	7.5
S	.2	.7	3.1	1.0	.6	.3	.1					6.0	10.6
SSW	.3	.9	4.1	1.3	.7	.1	.1					8.0	10.4
SW	.3	.6	2.7	1.7	.6	.1						5.9	10.2
WSW	.2	.0	1.1	1.5								4.3	9.6
W	.3	.8	1.6	1.7	.1							4.4	9.7
WNW	.6	.9	.4	3.0	.3	.4						5.7	11.9
W	.2	.8	1.5	3.5	.6							6.8	10.9
WNW	.7	.4	2.5	2.3								6.7	8.9
VERTICAL													
CALM	////////////////////										2.0	////	
TOTALS	10.0	21.1	37.2	25.0	3.4	1.0	.2					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

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

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB HI

PERIOD OF RECORD: 77-86  
MONTH: APR 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	48-56		
N	.3	1.2	3.7	1.7							6.6	8.6
NNE	.2	.3	2.7	1.7	.1						4.7	9.5
NE	.4	1.3	4.9	4.7	.2						11.6	9.8
NNE	.2	2.4	6.1	1.1							9.9	8.1
E	.4	4.3	6.4	.7							11.6	7.0
ESE	.8	2.3	3.2								6.3	6.5
SE	.3	.8	2.3	.2							3.7	7.3
SSE	.3	.4	2.8	.3							4.3	8.7
S	.1	.4	2.6	3.1	1.4	.1					8.0	12.4
SSW		.4	2.6	1.7	.3	.6	.1				5.3	12.0
SW		.2	1.2	1.1	.2	.7					5.3	12.7
WSW	.2	.4	.6	2.1	.6	.1					4.2	12.3
W	.2	.6	.7	2.7	.3	.1					4.6	11.9
WNW		.7	.4	2.4	.3	.7					4.9	13.5
NW	.3	.6	1.4	1.9	.2	.3					4.8	11.7
NNW	.1	.7	2.8	2.7	.2						5.4	10.4
VARIABLY												
CALM	////////////////////										.9	////
TOTALS	9.1	16.0	44.0	27.9	4.0	2.2	.1				100.0	9.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

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

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			GP 56
N	.4	.0	2.0	1.6								4.9	8.6
NNE	.1	1.7	2.6	1.7	.1							5.7	9.4
NE	.4	3.0	5.3	5.7	.2							14.2	9.2
NNE	.7	3.1	5.7	2.0								11.4	8.1
E	1.1	3.9	5.7	.3								11.0	6.6
ESE	.6	2.6	3.1	.7								6.4	6.8
SE	.8	1.7	1.5	.0								4.2	6.4
ESE	.2	1.1	2.3	.5								4.2	7.9
S	.2	1.0	3.2	4.1	.8							9.3	11.2
SSW	.1	.3	.1	.5	.7	.1						2.7	12.5
SW		.3	1.0	1.0	.4	.4	.3					3.6	14.7
WSW		.3	1.0	1.0	.6	.4						3.3	13.7
W	.2	.1	1.0	2.9	.4	.2						4.9	12.4
WNW	.1	.7	1.7	2.7	.8	.6						6.0	13.2
W			1.4	2.2	.4							4.1	13.0
WNW		.7	1.8	.9	.1							3.3	9.6
VARIABLE													
CALM	////////////////////											.7	////
TOTALS	5.0	20.4	39.8	27.9	4.6	1.8	.3					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

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

STATION NUMBER: 726345 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: APR HOURS (LST): 1900-2000

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	1.8	2.2	2.7	.9								7.2	6.1	
NNE	1.8	3.7	4.1	1.0								10.0	6.5	
NE	1.3	2.9	2.0	1.7								9.6	7.0	
ENE	1.7	3.2	2.4	.7								8.0	6.1	
E	2.6	3.1	1.8	.2								7.7	4.9	
ESE	.9	1.7	1.0	.2	.1							3.9	6.1	
SE	1.4	2.0	1.1	.1								4.6	4.8	
SSE	1.7	1.6	1.1	.2								4.2	5.3	
S	.9	2.0	2.0	1.2								6.9	7.3	
SSW	1.2	.7	.6	1.0	.1							3.6	7.5	
SW	.9	.7	.4	.2	.2	.6						2.9	10.0	
WSW	.2	.7	1.0	1.6	.3	.1						3.9	10.8	
W	.6	.8	2.0	1.7	.3							5.9	9.4	
WNW	.9	.7	1.9	1.4	.6	.2						5.7	10.1	
W	.7	.9	1.5	2.2	.2							5.7	9.4	
NNW	.8	1.0	1.2	1.2	.2							4.4	8.3	
VARIABLE														
CALM	////////////////////											6.1	////	
TOTALS	18.7	25.0	26.8	15.4	2.2	.9						100.0	6.8	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/AF

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

AIR WEATHER SERVICE/MAC

STATION NUMBER: 756395 STATION NAME: WURTSMITH AFB MI

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

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	2.7	4.6	2.6	.7								10.0	5.1
NNE	1.0	1.4	1.0	.4								3.9	6.1
NE	1.4	.6	1.5	1.3	.3							5.8	8.3
ENE	1.0	1.4	.8	.9	.1							4.2	6.9
E	1.0	1.4	1.0	.1								3.6	5.5
ESE	.6	1.0	.3									1.9	4.7
SE	.7	.6	.7	.1								2.0	5.6
SSE	.7	.5	1.0	.7								2.6	6.7
S	.9	1.6	2.0	.9	.1							5.4	7.1
SSW	2.4	1.0	.8	.3	.1							4.4	4.8
SW	1.8	1.2	.5	.1	.4	.1						4.6	6.5
WSW	1.2	1.1	.8	.7		.2						3.7	6.8
W	1.0	1.6	2.0	1.7	.1	.1						6.1	8.0
WNW	.9	1.4	1.0	1.0	.2							5.3	8.5
W	1.2	1.0	2.4	1.2	.2							6.7	8.1
WNW	1.3	1.9	2.4	.6	.2							6.4	6.9
VARIABLE													
CALM	////////////////////////////////////											23.4	////
TOTALS	17.9	27.6	21.7	10.2	1.9	.4						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH      PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAF/DTAG      FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/PAC

STATION NUMBER: 726395      STATION NAME: WOODSMITH AFB MI

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

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	1.5	2.6	3.1	1.7								8.4	6.9
NNE	.9	1.5	2.1	1.3	.0							5.8	7.7
NE	.8	1.7	2.8	2.2	.2							7.7	8.5
ENE	.9	2.1	2.6	1.0	.0							6.6	7.2
E	1.2	2.1	2.7	.2								6.6	6.2
ESE	.7	1.4	1.4	.1	.0							3.6	6.0
SE	.7	.9	1.0	.2	.0							2.8	6.1
SSE	.6	.7	1.2	.4	.0							2.9	7.1
S	.7	1.4	2.2	1.7	.4	.1	.0					6.7	9.2
SSW	1.1	1.3	1.5	.3	.3	.1	.0					5.4	8.0
SW	1.1	1.3	1.2	.7	.3	.2	.0					4.8	8.0
WSW	1.1	.9	.1	1.0	.2	.1						4.1	8.2
W	.8	1.5	1.0	1.1	.2	.1	.0	.0				5.7	8.7
WSW	.6	.9	1.2	1.8	.3	.2	.0	.0				5.3	10.6
W	.8	1.1	1.5	1.7	.3	.1						6.8	9.1
WNW	1.2	1.6	2.1	1.1	.1							6.5	7.3
VERTICAL													
CALM	////////////////////											11.1	////
TOTALS	14.7	25.3	30.7	17.1	2.4	.9	.1	.1				100.0	7.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
 USAF/DTIC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WUPYSMITH AFB MI

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

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	2.9	1.8	1.5	1.2								7.5	6.0
NNE	1.7	1.6	.5	.5	.2							4.6	5.9
NE	1.2	1.5	.5	.5								3.8	5.5
ENE	.8	1.0	.2	.2								2.3	5.1
E	.6	.5	.2	.2								1.6	5.1
ESE	.5	.6	.1									1.3	4.0
SE	.5	.2	.2									1.1	4.6
SSE	.9	1.0		.1								1.9	3.8
S	1.5	.9	2.0	.4								4.8	6.4
SSW	3.0	2.7	.5	1.5								7.5	5.4
SW	2.5	3.0	.5	.1								6.5	4.6
WSW	2.3	1.2	.4	.1	.1							4.1	4.4
W	2.0	2.5	.2	.1								4.9	4.2
WNW	1.9	2.0	.5	.2								4.9	4.6
NW	1.5	2.4	1.7	.1								5.2	5.0
NNW	.9	2.7	1.2	.2								4.9	5.7
VARIABLE													
CALC	////////////////////											33.0	////
TOTALS	24.7	26.7	11.1	5.2	1.2							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS: 938

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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

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	2.5	2.7	2.9	2.2								9.7	6.7
NNE	1.3	.5	.6	1.0	.1							3.7	7.3
NE	1.0	1.6	.4	.4								3.4	5.7
ENE	1.4	.9	.4	.3								3.0	5.0
E	1.5	.6	.8	.1								3.0	4.5
ESE	.2	.5	.1									.9	4.5
SE		.3	.1	.1								.5	7.0
SSE	.6	.9	.4									1.9	4.6
S	1.2	1.9	1.3	.1								4.5	5.2
SSW	3.2	2.0	1.4	.9								7.5	5.2
SW	1.8	3.1	.4									5.4	4.3
WSW	1.8	1.8	1.1	.1								4.8	4.9
W	2.8	2.5	1.3	.1								6.7	4.6
WNW	1.5	2.2	.9	.2								4.6	4.8
NW	1.2	1.6	.5									3.3	4.7
NNW	1.5	3.2	.5									5.3	4.6
VARIABLE													
CALC	////////////////////////////////////										31.2	////	
TOTALS	23.5	26.7	13.6	5.5	.1							100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

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

STATION NUMBER: 726395 STATION NAME: WUPHSMITH AFB MI

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

WIND SPEED IN KNOTS

DIRECTION (DGT 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
D	3.4	3.7	3.2	1.2	.1							12.3	6.2
NAC	1.4	1.6	.8	1.0	.1							5.5	7.3
NE	.8	1.6	1.1	.3								3.8	6.0
ENE	.8	1.9	.7	.4								3.7	5.6
E	1.4	1.7	.7	.3								4.0	5.3
ESE	.4	.4	1.1									1.9	5.9
SE	.4	.3	.7									1.0	4.4
SSE	.5	.4	.6									1.6	5.3
S	1.9	1.6	2.8	.7								7.0	6.0
SSW	1.8	2.7	3.7	1.0								9.1	6.5
SW	1.6	1.4	.7	.3								4.1	4.9
WSW	.8	1.4	1.0	.1	.1							3.3	6.0
W	1.5	2.4	2.4	.5								6.8	6.2
WNW	.6	1.2	2.0	.6								4.5	7.5
NW	1.9	1.9	1.4	.7	.1							6.1	5.7
NNW	2.0	2.2	1.7	.3								6.2	4.8
VEHICLE													
CALM	////////////////////											19.1	////
TOTALS	21.4	27.1	23.7	6.2	.4							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WUNTSMITH AFB MI

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

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	56-59		
N	1.3	2.7	3.2	2.4	.1							9.8	8.0
NNE	.4	1.6	2.7	1.4	.5							6.2	8.9
NW	1.0	2.9	2.7	.6								7.2	6.6
ENE	2.5	4.6	2.5	.6								10.6	5.6
E	.8	5.4	2.7	.4								9.0	5.9
ESE	1.1	1.7	1.5									4.3	5.5
SE	.6	.7	1.0	.1								2.4	5.6
SSE	.8	.9	1.4	.7								3.3	6.7
S	.1	1.7	3.7	2.0								8.0	8.5
SSW	.6	1.0	2.5	2.7								7.1	8.6
SW	.2	1.9	2.7	.8	.1							5.6	7.8
WSW	.6	1.2	1.5	.7	.3	.1						4.7	8.4
W	.5	.6	2.0	2.7								5.3	9.4
WNW	.5	.5	2.7	1.7								5.2	4.7
W	.1	1.1	1.4	.9	.1							3.5	4.5
WNW	.5	1.4	2.7	.4		.2						4.8	8.1
VARIABLE													
CALM	////////////////////											3.9	////
TOTALS	12.0	31.0	36.0	16.7	1.2	.7						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/NAAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 77-86  
 MONTH: MAY HOURS(UT): 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		1.4	3.1	2.7								6.7	9.4
NNF	.2	1.0	1.8	1.3	.2							4.5	9.4
NE	.3	1.0	5.4	2.7								9.9	8.7
ENE	.4	3.2	6.9	1.3								11.8	7.7
E	1.2	6.7	8.2	.3								15.9	6.5
ESE	.4	3.1	3.7	.1								6.9	6.7
SE	.2	1.4	1.6	.2								3.4	7.1
SSE	.1	1.7	2.5	1.7	.3							5.5	9.2
S		1.0	4.7	4.5	.5	.2	.1					11.0	10.6
SSW	.2	1.1	1.6	1.7	.1							4.7	9.5
SW	.7	.5	.9	1.7	.5	.2						3.5	11.5
WSW		.1	1.0	1.1	.4	.1						3.9	11.3
W	.1	.5	1.7	1.6	.2	.5						4.3	12.3
WNW	.1	.1	.5	1.4	.1							2.3	10.8
NW	.1	.2	1.1	1.6								2.9	10.2
NNW	.1	.5	1.1	.4		.2	.1					2.4	10.3
VARIABLE													
CALM	////////////////////											.4	////
TOTALS	3.8	25.2	44.3	21.4	2.5	1.3	.2					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAF/FLTAC  
AIR WEATHER SERVICE/MAJ

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

STATION NUMBER: 726395 STATION NAME: WRIGHTSMITH AFB MI PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(IST): 1500-1700

DIRECTION (DEGP, FSI)	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	.3	.9	2.7	1.7	.3							6.1	9.8
NNE	.2	1.1	2.7	1.7								5.2	9.0
NL	.5	3.0	5.1	2.6								11.4	9.7
ENE	.3	4.8	5.1	.9	.2							11.9	7.3
E	1.7	7.7	5.7	.7								15.5	6.1
ESE	1.1	4.2	3.4	.2								9.0	6.2
SE	.9	2.3	2.9		.1							6.1	6.5
SSE	.3	1.7	1.7	.9	.1							4.7	7.8
S	.1	.9	3.7	4.1	.4							8.7	10.9
SSW	.1	.5	.4	1.0	1.0	.2						4.1	12.4
SW		.2	.2	1.3	.3	.1						2.7	12.8
WSW	.1	.1	1.7	1.3		.1						2.6	12.0
W	.2	.2	1.7	1.6	.1	.1	.1					3.7	11.6
WNW	.1	.2	.9	1.9	.1	.1						3.5	11.5
NW	.1	.2	.9	.9	.1							1.7	10.8
NNW	.3	.4	.4	.7	.1	.3						2.5	11.6
VARIABLE											.5		
TOTALS	6.5	26.4	37.4	27.4	2.9	.9	.2					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 931

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAJ

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

STATION NUMBER: 726395 STATION NAME: WUPHSITH APR MI

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

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	1.8	2.2	2.5	1.5	.1							8.1	7.1
NNE	.9	3.7	2.0	.9								7.4	6.6
NE	2.0	4.5	3.7	.8								10.6	6.1
ENE	2.8	4.6	2.2	.2								9.8	4.9
E	6.1	4.2	1.1	.1								11.6	3.8
ESE	2.5	3.0	1.0									6.5	4.2
SE	1.8	2.7	1.7	.1								5.1	4.7
SSE	1.3	1.4	1.1	.1								3.9	5.2
S	1.7	2.3	4.1	1.7	.1							9.5	7.0
SSW	.4	1.1	.5	1.2	.2							3.8	9.3
SW	.1	.5	1.1	.3								2.0	8.1
WSW		.8	.2	1.0	.1	.1						1.8	11.4
W	.6	.5	1.7	1.3	.2	.1						3.8	9.5
WNW	.3	.8	1.0	.2	.1							3.0	8.6
W	.4	.4	.5	.6								2.4	8.1
NNW	.3	.2	1.7	.6		.1						2.3	9.3
VARIABLE													
CALC	////////////////////											4.6	////
TOTALS	23.2	37.0	24.1	10.9	1.9	.3						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AFW WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(LIST): 1100-2300

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	3.1	1.2	2.6	1.7	.1	.1						7.9	6.9
NNE	2.2	1.7	.4	.7								4.8	5.2
NE	2.7	1.1	.4	.6								5.1	4.9
NNE	1.7	.8	.4									2.9	3.8
E	1.1	1.2	.8	.3								3.4	3.6
ESE	.8	.8	.7	.1								1.8	4.7
SE	.8	.7	.3									1.8	3.5
ESE	2.0	.5	.6									3.2	3.6
S	2.4	1.0	2.7	.5								6.6	5.9
SSW	3.9	2.4	.6	.5	.2							7.8	4.8
SW	1.6	1.1	.7									3.4	4.3
WSW	1.1	1.7	.4	.1	.1							3.2	5.2
W	1.6	2.0	.5	.7								4.8	4.7
WNW	.6	1.1	.5	.4	.1							2.8	5.7
W	1.2	.5	.7	.7								3.1	5.8
WNW	1.5	1.4	1.5	.7								4.7	5.5
UNDETERMINED													
CALC	////////////////////											34.0	////
TOTAL	28.2	14.3	13.4	5.5	.5	.1						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS: 230

GENERAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/PAC

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

STATION NUMBER: 726395 STATION NAME: WORTSMITH AFB MI

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

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			GF 56
N	1.9	2.1	2.6	1.7	.1	.0						8.5	7.7
NNE	1.0	1.6	1.7	1.1	.1							5.5	7.1
NE	1.2	2.7	2.8	1.0								6.9	6.9
NNE	1.3	2.7	2.4	.7	.0							7.0	6.7
E	1.8	2.4	2.7	.7								8.6	7.6
ESE	.9	1.4	1.7	.1								4.1	5.0
SE	.7	1.0	.5	.1	.0							2.3	3.7
SSE	.8	1.0	1.0	.7	.1							3.7	4.4
S	1.1	1.0	1.1	1.1	.1	.0	.0					7.1	7.1
SSE	1.7	1.8	1.1	1.1	.7	.0						6.5	7.2
S	1.0	1.7	.7	.6	.1	.0						4.1	4.7
SSW	.6	1.0	1.7	.0	.1	.0	.0					3.4	7.5
S	1.2	1.4	1.7	1.7	.1	.1	.0					7.3	7.4
SSW	.7	1.1	1.1	.9	.1	.0						3.9	7.0
SW	.3	1.1	1.0	.0	.0							2.4	6.8
SSW	.9	1.1	1.1	.4	.0	.1	.0					4.1	5.7
WINDY													
UNCALC	////////////////////											1.0	////
TOTAL	17.9	16.0	25.1	12.3	1.1	.9	.1					10.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 7940

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WORTH RTH AFB MI

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

DIRECTION (TORQUE)	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			60-56
N	0.9	0.6	0.0	0.1	0.1							6.2	4.3
NE	0.7	0.6	0.1	0.1								1.9	4.7
E	0.7	0.7	0.7									1.9	4.6
SE	0.2	0.7	0.7									1.2	4.9
S	0.7	0.2	0.7									0.9	3.9
SW	0.2				0.1							0.3	7.7
W	0.2											0.0	2.0
WNW	0.9	0.7	0.1		0.1							1.7	4.7
WSW	1.0	0.6	0.6	0.2								2.7	3.6
WS	0.7	0.6	1.0	0.0								2.4	4.4
W	1.0	0.7	1.1	0.1								3.9	3.9
WN	1.0	1.7	0.7	0.7								4.6	4.1
NW	0.5	0.7	0.0	0.0	0.1							1.1	4.5
NNE	0.1	0.0	0.0	0.0	0.0							0.0	4.9
NNE	1.7	0.0	1.0	0.0	0.1							2.7	5.2
NNE	1.1	0.0	0.0	0.0	0.0							1.0	4.5
UNDETERMINED	////////////////////////////////////											15.1	////
TOTAL	10.0	20.2	10.7	0.8	0.2							100.0	3.0

TOTAL NUMBER OF OBSERVATIONS: 200

REGAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/PAC

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

STATION NUMBER: 726395 STATION NAME: WUPESMITH AFB HI

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

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	3.3	7.7	1.1	.1								7.8	9.1
NNE	.7	1.1	.1									2.9	9.7
NE	.6	.5	.9									1.9	9.9
NNE	.9	.1	.2	.1								.3	9.9
E	.7	.7	.1									1.5	9.1
ESE	.3		.1									.4	9.0
SE	.9											.9	1.5
SSE	.9	.7	.1									1.7	7.5
S	7.2	1.6	1.7	1.1								6.7	7.8
SSE	3.1	3.9	2.5	.1								9.6	7.1
SE	9.0	7.7	1.2	.1								9.7	9.1
SSE	7.3	1.9	.5	.1								9.8	9.7
E	7.6	1.9	.5	.9								9.6	9.4
SSE	1.7	1.7	1.7	.7								9.9	7.1
SE	1.7	.1	1.1		.1							9.9	9.5
SSE	7.2	1.7	1.7	.7		.1						9.3	9.7
CALM	////////////////////											10.0	////
TOTAL	26.7	34.1	15.7	2.7	.1	.1						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS: 400

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAL  
AIR WEATHER SERVICE/MAAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(UT): 0600-0800

DIRECTION (000-090)	WIND SPEED IN KNOTS										TOTAL	MEAN SPEED	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			56-66
N	1.4	4.7	1.4	.2								9.9	4.4
NNE	1.0	1.0	.7	.7	.1							3.7	3.7
NNE	1.2	1.1	.7	.7								3.7	3.4
NNE	.7	1.0	.9									3.1	3.7
E	1.3	1.7	.6									3.9	3.3
ESE	.7	.1	.1									.9	1.2
SE	.9	.7	.1									.9	1.0
SSE	.9	.3	.7	.1								1.7	1.1
S	1.3	3.3	2.7	.7								8.1	3.9
SSE	2.9	4.1	3.6	.7								11.3	3.5
SSE	2.7	3.0	2.9	.1								7.9	3.9
SSW	1.3	1.7	1.7	.7	.1							5.2	3.3
SW	2.9	1.7	2.1	.7	.2							6.9	3.7
SSW	1.7	1.7	2.7	.7								5.5	3.5
SW	2.0	2.7	2.1	.7								6.9	3.2
SSW	1.2	1.7	1.9	.7	.1							5.7	3.1
WASABLE													
CALM	////////////////////										15.7	////	
TOTALS	24.1	31.9	22.4	5.7	.6							102.7	4.7

TOTAL NUMBER OF OBSERVATIONS: 910

GENERAL CLIMATOLOGY BRANCH  
 USAF/ETAF  
 AFM WEATHER SERVICE/RAE

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

STATION NUMBER: 726345 STATION NAME: Wurtsmith AFB MI

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

DIRECTION (to nearest)	WIND SPEED IN KNOTS												TOTAL %	BEAR WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	56		
N	1.0	1.7	2.1	.7									5.4	6.8
NE	.7	1.2	2.4	1.7									6.0	8.0
E	.8	1.9	1.9	.9									5.5	7.0
SE	1.1	2.2	2.6	.7									6.6	8.2
S	2.0	3.7	1.9	.1									7.7	9.9
SW	1.2	3.9	1.0										5.4	7.0
W	.6	.7	.7										1.8	2.0
WNW	.9	.9	1.2	.7									3.7	4.6
WSW	1.7	1.9	3.0	2.1									10.6	7.5
WS	.7	1.0	5.1	2.5									11.1	8.2
WSW	.3	1.9	2.7	1.9	.2								6.1	8.3
WSW	.8	1.7	3.7	1.1									6.3	7.7
WSW	.6	1.7	2.7	2.7									7.0	9.3
WSW	.6	1.7	3.7	.7	.1								5.6	8.5
WSW	.7	1.1	2.0	1.7									5.7	8.1
WSW	.6	1.0	2.7	.7									5.7	7.2
WINDY	////////////////////												1.9	////
TOTALS	19.5	34.9	34.3	16.9	2.3								100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 960



GLOBAL CLIMATOLOGY BRANCH  
 USAF/AFAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WORTSMITH AFB MI

PERIOD OF RECORD: 77-96  
 MONTH: JUN HOURS(UTC): 1700-1900

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	.3	.3	1.6	1.1	.1							4.1	8.8
NNE	.4	.7	1.6	1.1								4.1	8.5
NE	.6	1.9	3.1	1.1								6.1	7.8
NENE	.4	2.7	4.6	1.2								8.1	7.5
E	.6	4.8	5.1	.1								10.6	6.7
ESE	.1	3.2	3.7									7.0	6.5
SE	.4	4.7	1.6									6.7	6.2
SSE	.7	1.8	1.6	1.2								5.7	5.2
S	.3	2.2	5.8	5.7	.3							13.7	9.9
SSW	.2	.7	3.8	2.1	.2	.1						7.1	10.0
SW	.4	.7	1.6	1.7	.3							4.9	10.0
WSW	.2	1.0	1.6	1.9	.6	.2						5.7	10.8
W	.2	.9	2.7	2.2	.3	.1						6.4	10.7
WNW	.1	.7	2.1	1.2	.2							3.9	10.7
NW	.1	.4	1.6	1.7	.2							4.0	10.4
NNW	.1	1.0	1.1	.8								3.3	8.3
VAR/BLT													
CALC	////////////////////////////////////											.7	////
TOTALS	5.3	24.8	44.2	22.1	2.2	.4						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS: 908

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/PAAC

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

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB HI

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

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	.4	.9	1.1	.9	.1							3.4	8.1
NNE	.7	1.8	1.8	.7								4.6	7.2
NE	.8	3.0	3.0	1.7								8.4	7.6
ENE	.9	4.4	4.7	.4								10.4	6.6
E	1.3	6.4	4.7									12.0	5.8
ESE	1.0	3.7	2.2									7.0	5.7
SE	.3	2.1	2.6	.1								5.1	6.7
SSE	.3	1.7	1.7	.9								4.1	7.9
S	1.0	2.3	4.5	4.8	.2							13.2	9.4
SSW	.4	.8	2.7	1.5	.7	.1						6.6	10.4
SW	.1	.7	1.4	1.7	.1	.1						3.8	11.0
WSW	.2	.7	1.7	.7	.1	.1						2.7	10.0
W		.4	2.5	2.2	.7							6.7	11.1
WNW	.2	.4	2.6	1.2	.3	.1						4.9	10.5
W	.3	.1	1.6	2.1	.1							3.7	10.4
NW	.1	.3	.5	.7								2.2	9.6
VARIABLE													
CALM	////////////////////											1.7	////
TOTALS	7.7	28.6	34.5	20.7	2.3	.4						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WUPTSMITH AFB MI

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

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	1.9	1.9	2.1	.7								6.6	6.1
NNE	2.3	2.9	1.9	.1								7.0	5.2
NE	2.9	3.7	2.9	.7								9.2	5.1
ENE	2.0	2.0	1.0									5.9	4.5
E	5.1	3.9	.4									9.4	3.5
ESE	2.7	2.3	.3	.1								5.4	3.7
SE	2.8	1.7	.9									4.9	3.7
SSE	2.1	1.9	1.7	.1								5.7	4.9
S	1.9	2.9	3.7	.9								9.3	6.5
SSW	.4	1.9	2.7	.9								5.3	7.5
SW	.4	.7	1.1	1.1	.2							3.2	9.2
WSW	.4	.7	.8	.7								2.6	7.4
W	.1	1.1	1.9	.7	.6							4.3	9.7
WNW	.4	1.3	3.1	.7	.2							5.8	7.9
W	.6	.7	1.2	.7	.1							3.3	8.1
WNW	.4	.6	1.1	.7								2.3	6.6
VARIABLE													
CALM	////////////////////										9.7	////	
TOTALS	26.6	30.0	25.7	7.0	1.1							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 726395      STATION NAME: WUPRTSMITH AFB MI

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

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		
0		3.7	1.6	.7	.1							6.2	3.7
NNE		1.2	.6	.6	.1							2.4	4.5
NE		1.7	.8	.4								2.9	3.3
ENE		1.7	.6		.1							2.3	3.3
E		1.1	.8									1.9	2.9
ESE		1.7	.7									1.2	2.2
S		.6	.6	.1								1.2	4.1
SSE		1.2	1.0	.7	.1							3.8	4.9
S		2.6	2.0	2.7	.4							7.6	5.5
SSW		4.2	2.0	1.7	.1							7.6	4.2
SW		3.0	2.0	1.7	.1							6.3	4.3
WSW		1.7	.9	.6	.1							2.8	4.2
W		2.2	1.1	.8	.1							4.2	4.4
WSW		1.6	1.1	.8	.7							3.7	4.8
W		1.9	1.8	.7	.8							5.1	5.6
WNW		1.8	1.4	.7								3.6	3.7
VARIABLE													
CALM	////////////////////											37.4	////
TOTALS		31.0	18.7	10.7	2.7							100.0	2.7

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: 726395 STATION NAME: WUPDISMITH AFB MI

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

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	2.1	2.1	1.4	.5	.0							6.2	5.4
NNE	.7	1.2	1.2	.5	.0							3.9	6.5
NE	1.2	1.7	1.5	.6								4.9	6.7
NNE	.9	1.6	1.7	.3								4.8	6.0
E	1.5	2.7	1.5	.0								5.7	5.1
ESE	.9	1.6	.5	.0	.0							3.5	5.1
SE	.7	.9	.7	.0								2.4	5.2
SSE	.9	1.2	1.0	.4	.0							3.4	6.2
S	1.7	2.5	3.5	2.0	.1							9.8	7.5
SSW	1.8	2.4	2.5	1.1	.1	.0						8.3	6.8
SW	1.9	1.7	1.0	.4	.1	.0						6.0	6.3
WSW	1.1	1.1	1.2	.5	.1	.0						4.2	6.9
W	1.4	1.2	1.7	1.1	.2	.0						5.8	7.6
WNW	1.0	1.2	1.5	.6	.1	.0						4.9	7.2
W	1.0	1.4	1.4	.5	.1							4.8	7.0
WNW	1.1	1.7	1.2	.5	.0	.0						4.5	6.1
VARIABLE													
CALM	////////////////////											16.9	////
TOTALS	20.2	26.5	25.5	9.0	.9	.1						100.0	5.4

TOTAL NUMBER OF OBSERVATIONS: 7200

CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAAC

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

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

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

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	2.5	2.5	.1	.2								5.7	4.1
NNE	.5	.8										1.3	3.6
NF	.4	.1	.2									.5	4.1
ENE	.3	.8										1.1	4.1
E	.5	.8	.1									1.4	3.8
ESE	.1											.1	2.0
SE	.3	.2	.7									.8	4.6
SSE	.1	.3	.1									.5	5.0
S	2.6	2.2	1.7	.6								7.2	5.4
SSW	3.2	2.8	1.6	.2								7.8	4.4
SW	4.0	1.7	.9	.1								6.5	3.8
SSW	2.3	.9	.2	.1	.1							3.5	4.4
W	2.8	1.7	.1	.2	.1							5.2	4.1
WSW	2.1	1.7	.6	.1								5.7	3.9
W	2.7	1.5	1.2									5.8	4.3
WNW	2.4	2.9	1.6									6.3	4.9
VARIABLE													
CALC	////////////////////											47.1	////
TOTALS	27.4	20.6	6.4	1.5	.2							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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

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	2.3	2.4	.5									5.2	4.0
NNE	.6	.5	.2									1.4	4.1
NE	.2	.5	.1									.9	4.8
ENE	.5	.2										.8	3.0
E	.3	.2		.1								.6	4.3
ESE		.3										.3	4.7
SE	.1	.4										.5	4.4
SSE	.4	.1	.2	.1								.7	5.1
S	2.4	2.7	1.2	.2								6.5	4.9
SSW	2.5	3.9	1.2	.4								8.0	4.8
SW	3.2	2.7	1.0	.1								7.0	4.2
WSW	2.2	1.7	.6	.4	.1							5.1	5.1
W	2.7	.9	.9		.2							4.6	4.5
WNW	2.8	1.7	.1	.1								6.3	4.3
NW	2.5	2.6	1.2									6.3	4.6
NNW	1.6	2.7	1.6									6.2	5.0
VARIABLE													
CALM	////////////////////											39.5	////
TOTALS	24.3	24.9	9.4	1.7	.3							100.0	2.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

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

STATION NUMBER: 776395 STATION NAME: WOODS HOLLOW AFB MI

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

DIRECTION (DULGUES)	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	2.5	7.1	1.1	.1								6.8	4.5
NNE	.9	.7	.4									1.9	4.2
NE	.9	1.1	1.7									2.8	5.1
NNE	.3	.6										.9	4.0
E	.5	.7	.7									1.2	4.5
ESE	.2	.1										.3	3.7
SE		.3										.7	4.7
ESE	.9	.9		.1								1.6	4.3
S	1.9	2.9	1.7	.6								7.5	5.9
SSW	2.7	4.4	2.1	.7								9.5	5.1
SW	4.3	3.5	2.1	.1								10.0	4.4
WSW	2.6	1.9	.5	.2								5.5	4.3
W	2.9	2.0	1.5	.1	.1							5.8	5.1
WNW	2.2	2.5	1.4	.5								6.6	5.2
NW	2.7	2.7	2.1	.5								8.7	5.5
NNW	2.3	4.7	2.2	.1								8.5	5.1
VARIABLE													
CALC	////////////////////											22.2	////
TOTALS	26.5	30.4	17.5	3.0	.1							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAF/ITAC  
AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WRIGHTSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(LST): 0700-1100

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	1.6	3.9	2.7	.4				8.9	6.1
NNE	1.0	1.6	1.7	.2				4.1	5.7
NE	.9	1.7	1.6	.2				3.9	5.7
NENE	1.4	1.9	.5	.1				4.3	5.1
E	1.2	2.6	1.9					5.7	5.5
ESE	.5	1.0	.7					1.8	4.7
SE	.2	1.0	.7					1.6	4.6
SSE	.9	1.7	1.0	.1				3.7	5.3
S	2.0	4.2	4.3	1.1	.1			11.7	6.7
SSW	1.4	3.2	3.2	1.0				9.7	7.3
SW	1.4	2.7	3.7	1.4	.1			9.2	7.1
WSW	.8	2.5	2.5	.8	.1	.1		6.7	7.4
W	1.0	1.8	2.9	.9				6.0	6.8
WNW	.6	2.2	1.7	.8				4.9	6.5
NW	.5	2.0	2.7	1.2				6.0	7.7
NNW	1.3	4.6	2.6	.5				7.0	6.1
VARIABLE									
CALC	////////////////////							4.8	////
TOTALS	16.7	36.1	32.7	9.4	.3	.1		100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC

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

AIR WEATHER SERVICE/NAAC

STATION NUMBER: 726895 STATION NAME: WRIGHTSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(ELC): 1700-1900

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL	WEAL WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	GE 56		
N	.3	1.4	1.0	.7								3.4	7.0
NNE	.2	.8	1.4	.7								3.1	7.4
NE	.1	2.7	2.5	.9								6.2	7.4
NENE	.2	3.3	4.1	.1								7.7	7.0
E	1.9	5.8	5.7	.3								13.7	6.2
ESE	.1	3.4	2.7	.1								6.3	6.5
SE	.4	1.5	.9									2.8	6.5
SSE	.2	2.2	3.5	.7								6.6	7.4
S	.9	3.9	5.2	4.4	.2							14.5	8.0
SSE	.6	1.7	3.8	1.0								7.1	8.3
SSW	.2	1.5	3.1	1.5								6.3	8.6
WSW	.2	.6	2.2	2.2	.2							5.5	9.9
W		.8	2.4	.8	.1							4.1	9.2
WSW	.3	.7	1.7	.9								3.6	8.4
W	.3	.6	1.2	.3								2.4	7.4
WNW	.1	.2	3.1	.8								4.2	8.6
VENTIL													
CAL <sup>W</sup>	////////////////////////////////////											1.5	////
TOTALS	6.1	31.4	45.8	14.7	.5							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 920

GENERAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 77-96  
 MONTH: JUL HOURS(EST): 1500-1700

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	60-66		
N	.2	.0	2.0	.0	.1							4.1	9.0
NNE		1.7	1.5	.1								3.2	7.2
NE	.6	1.6	2.4	.9	.1							5.7	7.9
ENE	.8	4.6	3.2	.0								9.3	6.4
E	1.6	5.9	9.1	.2								11.3	6.6
ESE	1.0	3.7	3.2	.1								7.6	6.0
SE	.5	2.7	2.7	.1								6.2	6.3
SSE	.6	2.5	3.1	.9	.1							7.2	7.3
S	.9	3.2	8.6	9.4	.1							17.3	6.9
SSW	.2	1.2	3.7	1.5	.1							6.5	6.7
SW		1.0	1.7	1.1		.1						3.9	6.2
WSW	.1	.1	1.5	1.6								4.3	6.6
W		1.1	1.7	1.1	.8							5.2	10.0
WNW		.2	.5	.6								1.7	9.6
W4	.2	.5	1.0	.2								3.9	9.1
WNW	.5	.8	1.5	.1								2.9	6.6
VARIABLE													
CALM	////////////////////											1.2	////
TOTALS	7.3	31.7	43.0	14.9	1.3	.1						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 930

GENERAL CLIMATOLOGY BRANCH  
 WAFETAC  
 AIR WEATHER SERVICE/RAE

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

STATION NUMBER: 726395 STATION NAME: WORTSMITH AFB MI

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

DIRECTION (IN 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	56		
N	1.0	1.7	2.6	.8								6.2	6.9
NNE	1.6	2.9	1.4	.8								6.0	6.9
NE	1.1	1.9	1.5									4.5	5.2
ENE	1.9	2.8	1.9									5.5	4.3
E	3.3	4.4	.7									8.1	4.0
ESE	2.2	1.2	1.5									5.2	3.5
SE	2.2	3.6	1.1	.3								5.9	4.4
SSE	2.2	2.7	1.5	.1								6.5	4.4
S	3.3	5.1	4.7	.6								14.0	5.9
SSW	1.7	2.7	2.7	.5								7.6	6.1
SW	.2	1.7	.7	1.6								4.6	7.8
WSW	.6	1.5	1.7	.6	.1							4.0	7.1
W	.5	1.9	.5	1.1		.1						4.0	7.9
WSW	.5	.6	.6	.7								2.7	6.2
W	.3	1.2	.5	.9								2.8	6.9
WNW	.5	1.0	.5	1.7								3.2	7.4
VARIABLE													
CALC	////////////////////////////////////											5.9	////
TOTALS	25.5	31.7	22.7	7.6	.1	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAJ

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

STATION NUMBER: 726395 STATION NAME: WRIGHTSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: JUL HOURS(EST): 1107-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS											TOTAL %	MEAN KNOTS
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-60		
N	2.9	2.9	.3	.7								3.7	4.0
NNE	.6	.5	.1	.1								1.4	4.7
NE	1.3	1.7	.4									3.7	4.7
NNE	.6	.4	.7									1.7	4.1
E	.6	.8	.6									2.0	4.5
ESE	.3	.9	.7									1.9	4.9
SE	.9	.9	.1									1.9	4.5
ESE	1.9	.4	.1									2.4	4.0
S	3.0	2.9	2.1	.7								7.7	4.9
SSW	4.2	4.7	.1	.4								9.4	4.1
SW	1.4	2.7	.9	.1								5.1	4.0
WSW	2.3	1.1	.4	.7								4.5	3.8
W	2.0	1.9	.7	.7								4.6	4.4
WSW	1.7	.5	.1	.1								2.4	4.2
W	1.6	1.1	.8	.3								3.8	4.5
WNW	2.3	1.7	.1									4.1	4.0
VARIABLE													
CALC	////////////////////											36.7	////
TOTALS	23.7	24.7	2.1	1.6								100.0	2.7

TOTAL NUMBER OF OBSERVATIONS: 931

U.S. NAVAL CLIMATOLOGY BRANCH  
NAFETAC  
NAVY WEATHER SERVICE/PAC

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

STATION NUMBER: 740394 STATION NAME: WOODSMITH AFB MI

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

DIRECTION (LOG DEGREE)	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	56-56		
N	1.0	1.7	1.1	1.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	5.8	5.6
NNE	1.7	1.0	1.0	1.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	5.7
NE	1.7	1.3	1.1	1.7	1.0	1.0	0.0	0.0	0.0	0.0	0.0	3.4	6.0
ENE	1.8	1.9	1.2	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	5.7
E	1.7	2.1	1.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	5.4
ESE	1.6	1.7	1.0	1.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	5.4
S	1.5	1.2	1.7	1.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	5.2
SSE	1.9	1.7	1.7	1.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	5.9
S	2.1	1.3	1.7	1.6	1.0	1.0	0.0	0.0	0.0	0.0	0.0	10.8	6.9
SSW	2.1	1.0	2.1	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0	8.3	6.0
WSW	2.2	2.2	1.1	1.1	1.0	0.0	1.0	0.0	0.0	0.0	0.0	6.9	5.8
W	1.9	1.3	1.1	1.7	1.0	1.0	0.0	0.0	0.0	0.0	0.0	4.8	6.6
WNW	1.9	1.1	1.7	1.7	1.0	1.0	0.0	0.0	0.0	0.0	0.0	4.9	6.4
W	1.9	1.9	1.1	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	4.7	5.5
WSW	1.9	1.0	1.7	1.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	5.9
WSW	1.9	1.0	1.1	1.7	1.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	5.7
UNKN												19.3	////
TOTAL	20.2	20.7	27.5	14.7	14	1.0	0.0	0.0	0.0	0.0	0.0	100.0	4.8

TOTAL NUMBER OF OBSERVATIONS: 7940

42-A183 304

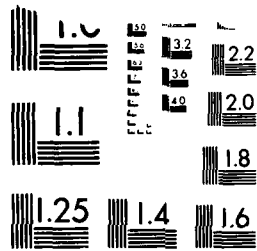
Wurtsmith AFB Michigan Revised Uniform Summary of  
Surface Weather Observations (U) Air Force Environmental  
Technical Applications Center Scott AFB 12 JUN 87  
USAFETAC DS-87/043 F/G 4/2

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



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WUPTSMITH AFB MI

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

FORM 1171

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	1.4	1.6	.4									3.4	4.1
NNE	.3	.9	.1									1.3	4.3
NE		.4	.2	.2								.9	7.5
ENE	.3	.2	.4									1.0	5.9
E	.6	.9	.1									1.6	3.7
ESE	.5	.3	.1									1.0	3.4
SE	.3	.2	.6	.1								1.3	6.3
SSE		1.3	1.0									2.3	6.0
S	2.7	2.7	1.7	.1								7.2	4.6
SSW	3.5	2.4	.4									6.5	3.5
SW	3.3	2.7	.4	.2								6.7	3.8
WSW	3.1	1.3	.2	.1								4.7	3.4
W	3.5	2.4	.7	.2								6.5	3.6
WNW	2.6	1.6	.6	.2	.1							5.2	4.5
W	2.4	1.7	.5	.2								4.8	4.3
NNW	1.9	3.1	.5									5.6	4.1
VARIABLE													
CALM	////////////////////											40.2	////
TOTALS	26.7	23.7	8.0	1.9	.1							100.0	2.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB M1

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

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	1.5	2.3	.6									4.3	4.6
NNE	.9	.3	.1									1.3	3.2
NE	.2	.2	.2									.6	5.0
ENE	.2	.3	.4	.1								1.1	5.9
E	.6	.8	.1	.1	.1							1.7	5.4
ESE	.2	.1		.1								.4	5.8
SE	.3	.1	.2									.6	4.7
SSE		.6	.3									1.0	6.6
S	2.8	2.4	1.4	1.0	.1	.1						7.7	5.8
SSW	3.4	3.5	1.1	.1								8.3	4.2
SW	4.3	1.8	.4									6.6	3.2
WSW	3.5	.9	.6	.1								5.3	3.6
W	2.8	3.2	.1	.1								6.9	4.0
KNW	3.2	1.3	.7	.2								5.1	3.4
NW	3.3	1.0	.9	.2								5.2	4.0
NNW	2.5	3.4	.4									6.3	3.5
VARIABLE													
CALM	////////////////////											36.6	////
TOTALS	29.7	23.1	8.3	2.0	.2	.1						100.0	2.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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

WIND SPEED IN KNOTS

DIPECTION (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	1.8	2.5	1.4									5.7	4.7
NNE	.2	.4	.4									1.1	5.8
NE	.2	.2	.4									.9	5.6
ENE	.4	.2	.4	.1	.1							1.8	6.8
E	.8	.4			.1							1.3	4.3
ESE	.4	.4										.9	3.8
SE	.2	.1										.3	3.0
SSE	.6	.6	.5									1.8	4.6
S	2.8	3.1	1.2	.5	.1	.1						7.8	5.3
SSW	4.4	4.3	1.8	.5	.1							11.2	4.9
SW	2.2	3.3	1.5	.1								7.5	5.2
WSW	1.7	1.7	1.6									5.1	4.7
W	3.4	2.8	1.5	.4								8.2	4.6
WNW	2.6	1.1	1.2	.2								5.1	4.4
NW	3.8	3.2	1.6	.2								8.8	4.6
NNW	1.7	3.2	1.0	.1	.1							6.1	4.9
VARIABLE													
CALM	////////////////////											26.5	////
TOTALS	27.3	26.3	15.1	2.3	.5	.1						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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

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	2.5	3.1	2.7	.7								8.6	5.5
NNE	.9	.9	1.7	.7								3.3	6.0
NF	.8	1.2	1.8	.2								4.1	6.7
ENE	1.2	1.1	.9	.1		.1						3.3	5.7
E	1.3	3.0	1.1	.1								5.5	4.9
ESE	.9	.9	.4									1.7	4.9
SE	.8	.8	.4									1.9	4.3
SSE	.6	1.6	.4	.1								2.8	5.0
S	2.7	3.4	4.1	1.7								11.5	6.5
SSW	2.2	3.1	4.8	2.2	.1							12.4	7.4
SW	2.0	2.5	2.5	1.1	.2							8.3	6.6
WSW	1.2	2.7	2.7	1.2								7.4	7.1
W	1.1	2.8	1.7	.9	.1							6.3	6.5
WNW	.9	1.7	2.2	1.4								6.1	7.9
NW	.8	1.7	1.8	.4								4.7	6.7
NNW	1.8	2.7	1.8	.7	.1							6.8	5.7
VARIABLE													
CALC	////////////////////											5.2	////
TOTALS	21.0	33.1	30.8	10.1	.5	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WUPRTSMITH AFB MI

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

FORM 1111

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	.9	1.7	1.9	.9	.1			5.1	6.7
NNE	.4	1.0	2.4	.5				4.3	7.8
NE	.5	1.4	2.2	.5	.1			4.9	7.6
ENE	.5	3.1	3.1		.1			6.9	6.4
E	1.3	7.8	3.0	.1				12.3	5.5
ESE	.6	3.8	1.2					5.7	5.3
SE	.3	2.3	1.2					3.9	6.0
SSE	.6	1.8	1.2	.2				3.9	6.2
S	1.2	3.0	6.0	2.8	.1			13.1	8.2
SSW	.9	2.6	4.5	2.3	.1			10.6	8.3
SW	.8	1.6	2.8	1.1				6.2	7.5
WSW	.4	.8	3.0	1.1				5.3	8.6
W	1.0	1.0	3.2	1.3	.1	.1		6.7	8.4
WNW	.3	.5	1.0	1.1	.2			3.1	9.8
NW	.5	.9	1.4	.5				3.5	7.9
NNW	.3	1.2	1.2	.4	.1			3.3	7.9
VARIABLE									
CALC	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	////////////////////	1.1	////
TOTALS	16.6	34.4	40.1	12.7	1.0	.1		100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HMC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(LST): 1500-1700

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	.7	1.1	2.7	.2								3.7	7.4
NNE	.9	1.7	3.4	.7	.1							6.0	8.1
NE	.1	1.0	2.7	.7								4.7	6.9
NNE	.6	3.8	3.2	.3								8.0	6.4
E	1.8	6.5	3.9	.1								12.3	5.6
ESE	1.0	3.0	1.8	.7								6.8	5.7
SE	.9	3.1	2.9									5.9	6.0
SE	.6	3.1	2.7	.4								6.3	6.3
S	1.4	2.4	6.5	2.7	.1							13.4	5.3
SSW	.5	1.7	2.8	1.6	.4							7.1	8.8
SW	.5	.7	2.0	.9	.7							4.0	8.6
WSW	.9	1.0	2.3	1.3								5.3	8.1
W	.5	1.7	2.7	1.0	.1							6.2	8.2
WNW	.3	.7	1.7	1.7	.7							3.4	4.3
NW	.2	.8	.9	.9	.3							3.0	4.7
NNW	.3	.6	.8	.5								2.3	7.3
VARIABLE													
CALC	////////////////////											1.6	////
TOTALS	9.9	33.4	40.8	17.8	1.5							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 930

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS (LST): 19JC-200G

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	2.4	2.2	1.8	.1								6.7	4.6
NNE	1.3	2.1	1.8	.1								6.3	5.3
NE	.9	2.0	1.3	.2								4.4	5.9
ENE	1.7	2.4	1.1	.1								5.3	4.8
E	4.5	3.6	.6									8.7	3.6
ESE	2.0	2.4	.6									4.9	3.9
SE	2.0	2.6	1.8	.1								6.5	4.9
SSE	2.7	2.8	1.0									6.5	4.0
S	2.8	4.2	1.7	.6								9.4	5.2
SSW	1.6	2.4	1.4	.4	.1							5.9	5.9
SW	1.0	1.2	1.0	1.2								4.3	7.4
WSW	1.9	1.3	1.1	.4								4.6	5.7
W	1.2	1.9	1.4	.3								4.8	5.8
WNW	.9	1.1	1.7	.4	.2							4.2	7.6
NW	1.5	1.0	.4	.1								3.4	5.4
NNW	.4	1.0	.5	.2								2.5	6.1
VARIABLE													
CALM	////////////////////											17.3	////
TOTALS	28.8	34.8	18.0	5.2	.3							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/FLTC  
AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS(1ST): 2100-2300

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	2.6	1.0	.1									4.5	3.3
NNE	1.2	.6	.2									2.2	3.9
NE	.8	.5	.5									1.8	5.1
ENE	.9	.3	.2									1.4	3.7
E	1.1	1.4	.7									2.8	4.1
ESE	.9	.4	.2	.1								1.5	4.9
SE	1.2	.9	.6									2.8	4.5
SSE	2.0	.9	1.2									4.1	4.4
S	2.8	2.0	.5	.4								6.1	4.9
SSW	2.8	1.8	.6									5.3	3.7
SW	3.4	1.7	1.1	.5								6.8	4.6
WSW	4.3	1.7	.6	.1								6.8	3.5
W	2.4	2.4	.6									5.4	3.9
WNW	1.7	.8	.6	.2								3.3	4.6
NW	2.9	1.0	.7	.2	.1							4.5	4.0
NNW	2.7	1.2	.2									4.1	3.1
VARIABLE													
CALM	////////////////////											36.1	////
TOTALS	33.4	19.5	8.7	1.6	.1							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS: 230



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB HI PERIOD OF RECORD: 77-86  
 MONTH: AUG HOURS(LST): ALL

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	1.6	2.0	1.4	.1	.0							5.2	5.1
NNE	.7	1.0	1.2	.2	.0							3.2	6.2
NE	.4	1.0	1.2	.7	.0							2.8	6.6
ENE	.7	1.5	1.2	.1	.0	.0						3.6	5.9
E	1.5	3.0	1.1	.1	.0							5.8	4.9
ESE	.8	1.5	.1	.1								2.9	4.9
SE	.7	1.2	.9	.5								2.9	5.3
SSE	.7	1.6	1.0	.1								3.6	5.2
S	2.4	2.7	3.5	1.7	.1	.0						9.5	6.4
SSW	2.4	2.7	2.3	.9	.1							8.4	6.1
SW	2.2	1.9	1.5	.6	.1							6.3	5.6
WSW	2.1	1.4	1.5	.6								5.6	5.6
W	2.0	2.3	1.5	.8	.0	.0						6.4	5.6
WNW	1.6	1.1	1.0	.7	.1							4.4	6.2
W	1.9	1.5	1.0	.4	.1							4.9	5.4
WNW	1.5	2.1	.9	.7	.0							4.6	5.0
VARIABLE													
CALM	////////////////////////////////////											20.0	////
TOTALS	23.4	28.6	21.7	6.0	.5	.1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH PERCENTAGE FREQUENCY OF OCCURRENCE OF SURFACE WIND DIRECTION VERSUS WIND SPEED  
 USAF/TAC FROM HOURLY OBSERVATIONS  
 AIR WEATHER SERVICE/HAC

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI PERIOD OF RECORD: 77-86  
 MONTH: SEP HOURS(LST): 0000-0200

DIRECTION (DIFILES)	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	1.2	3.1	.7									5.0	4.8
NNE	.7	.6	.6									1.9	4.9
NE	.1	.7	.7	.9	.1							1.1	10.4
NNE	.2	.3	.7	.3								1.1	7.5
E	1.2	1.1	.9	.1								3.4	5.5
ESE	.6	.6	.2									1.3	4.8
SE	.6	.2										.6	7.9
SE	1.1	1.3	.8									3.2	4.6
S	2.4	3.0	3.0									8.4	5.5
SSW	2.7	2.6	3.2	.8								9.3	5.9
SW	4.6	3.0	2.1	.7								10.0	4.5
WSW	2.2	1.9	1.1									5.2	4.2
W	2.0	1.1	1.1									4.2	4.4
WNW	2.2	2.6	.9	.7								6.9	4.7
NW	1.9	1.7	1.7	.9								5.6	5.6
NNW	2.0	1.6	1.6	.1								4.7	4.7
VARIANCE													
CALC	////////////////////////////////////										27.4	////	
TOTALS	25.7	26.7	17.6	3.0	.1							100.0	3.7

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: 726395 STATION NAME: WURTSMITH AFB MI

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

FORM 111

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	2.7	2.3	1.8	.2								6.6	5.0
NNE	.4	.3	.2									1.0	4.3
NE	.2	.6	.4	.9	.1							2.2	9.7
ENE	.4	.1	.1									.7	3.3
E	.7	.4	.8	.9								2.7	8.0
ESE	.2	.6	.2									1.0	4.7
SE	.6	.9	.2	.1								1.8	5.2
SSE	.4	.7	.7									1.8	5.8
S	3.4	3.9	2.0	.7	.1							9.8	5.2
SSW	3.7	3.7	3.0	.4								13.8	5.4
SW	4.1	2.6	1.4	.2								8.3	4.3
WSW	2.0	2.0	.7									4.7	4.1
W	3.2	1.6	.2									5.7	3.7
WNW	2.6	2.7	.7	.2	.1							5.9	4.5
NW	2.4	1.9	1.9	.1								6.2	4.8
NNW	1.9	2.4	1.1									5.4	4.7
VARIABLE													
CALM	////////////////////											25.6	////
TOTALS	28.6	26.1	16.1	4.7	.3							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/PAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB M1

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

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	1.6	2.4	2.0									6.0	5.1
NNE	.6	.4	.7	.3								1.6	6.7
NE	.2	.2	.2	.2	.1							1.1	9.0
ENE	.2	.2	.2	.2	.2							1.1	9.3
E	.3	1.1	.6	.8								2.8	7.4
ESE	.3	.7	.2	.2								1.6	5.9
SE	.3	.6	.2									1.2	5.3
SSE	.8	.7	.6	.1								2.3	5.8
S	2.2	5.1	2.1	.4								10.2	5.6
SSW	2.8	5.0	3.1	.7								11.4	5.7
SW	3.9	4.0	2.4	.2								10.6	4.8
WSW	1.2	2.1	.9	.2								5.1	4.8
W	3.3	2.1	.5		.1							6.4	4.2
WSW	2.1	1.2	.4	.2								4.0	4.0
WNW	2.0	3.0	1.5	.4								8.2	5.4
NNW	2.1	2.0	1.2									5.3	4.7
VARIABLE	////////////////////										20.0	////	
TOTALS	28.6	32.7	17.8	4.6	.4							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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

FORM 6111

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	1.2	4.2	3.1	.5								9.8	5.7
NNE	1.0	1.1	.9	.2								3.2	5.6
NE	.2	.8	.7	.4	.2							2.3	8.9
ENE	.3	1.2	1.3									2.9	6.5
E	.8	1.4	1.4	.4								4.1	6.7
ESE	.2	.9	.2	.1								1.3	5.7
SE	.3	.8	.6									1.7	5.9
SSE	.8	1.2	1.9	.4								4.3	6.7
S	.9	4.0	2.4	1.9	.1							9.3	7.5
SSW	1.6	4.8	5.0	2.4	.3							14.1	7.4
SW	.7	3.6	3.2	2.0	.4							9.9	7.9
WSW	.4	1.7	2.1	.9								5.1	7.5
W	1.1	1.6	2.7	.7								6.0	6.9
WNW	.2	.8	2.6	1.2								5.4	8.0
NW	.2	1.6	2.7	.7								5.8	7.1
NNW	1.8	2.6	2.9	.2								8.1	6.4
VARIABLE													
CALM	////////////////////										6.6	////	
TOTALS	13.8	32.0	33.7	12.9	1.1							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 77-86  
 MONTH: SEP HOURS(LST): 1700-1400

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	.9	3.4	2.2									6.6	5.9
NNE	.4	1.7	2.0	.7								4.4	7.0
NE	.4	1.6	1.6	.9								4.4	7.5
ENE	.3	2.4	2.7	.4								5.2	6.6
E	1.3	4.0	1.6	1.1								8.2	6.2
ESE	.8	3.1	.7	.1								4.7	5.3
SE	.2	1.1	.8	.2								2.3	6.4
SSE	.6	1.4	2.1	.6								4.7	7.2
S	1.0	3.8	6.4	2.8								14.0	8.2
SSW	.7	2.2	4.9	3.0	.1							10.9	9.0
SW	.4	1.2	2.2	1.9	.3							6.1	9.5
WSW	.3	1.2	2.7	2.3	.4							6.7	10.0
W	.7	1.9	2.1	1.6	.1							6.3	8.2
WNW	.9	.9	1.8	1.1								4.7	7.7
NW	.4	1.4	1.6	.7								4.1	7.7
NNW	.3	1.4	1.8	.3								3.9	7.1
VARIABLE													
CALM	////////////////////											2.8	////
TOTALS	9.8	32.9	56.7	17.3	1.0							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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

WIND SPEED IN KNOTS

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	.9	2.3	1.6	.1								5.0	6.0
NNE	1.6	1.6	1.9	.4								5.4	5.9
NE	.4	2.4	2.1	1.7								6.7	7.8
ENE	1.0	2.3	1.7	.6								5.6	6.4
E	2.3	3.0	2.2	.2								8.6	5.3
ESE	1.4	2.3	1.1	.2								5.1	5.2
SE	.8	2.7	1.9	.3								5.7	6.0
SSE	.6	1.7	2.2	.4								5.0	7.0
S	1.2	4.1	6.4	1.6								13.3	7.2
SSW	.4	2.6	5.1	2.4	.3							10.9	8.6
SW	.4	1.0	2.1	1.6	.3							5.7	9.5
WSW	.3	1.1	1.7	1.2	.4							4.8	9.6
W	.6	1.6	2.2	1.7	.1							6.1	8.5
WNW	.1	.9	1.4	1.3		.1						3.9	9.7
NW	.4	.8	1.5	1.0								4.1	8.4
NNW	.1	.7	1.0	.2								2.0	7.3
VARIABLE													
CALM	////////////////////											2.2	////
TOTALS	12.6	31.8	36.9	15.2	1.2	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

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

STATION NUMBER: 726395

STATION NAME: Wurtsmith AFB MI

PERIOD OF RECORD: 77-86

MONTH: SEP HOURS (LST): 1800-2000

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	3.3	3.2	.7	.1								7.3	4.0
NNE	1.4	2.3	.9	.2								4.9	5.0
NE	.9	1.1	1.2	.4								3.7	6.3
NNE	.9	1.0	1.4	.2								3.6	6.0
E	1.8	1.6	.1	.1								3.6	3.7
ESE	1.7	1.2	.7	.1								3.7	4.5
SE	1.9	1.4	.5	.1								4.3	4.6
SSE	2.6	1.8	.7	.3								5.3	4.4
S	3.7	5.3	1.9	.4								11.3	5.0
SSW	2.1	2.9	2.3	.6								7.9	5.8
SW	2.3	1.9	.9	.2								5.3	4.6
WSW	1.3	2.1	1.4	.4								5.3	5.8
W	2.3	2.8	1.2	1.0								6.6	5.8
WNW	1.1	1.2	1.8	.4								4.6	6.5
NW	.6	1.1	1.0	.4								3.1	6.5
NNW	2.3	.6	.6	.1								3.6	4.0
VARIABLE													
CALC	////////////////////											16.0	////
TOTALS	30.2	30.8	17.7	5.3								100.0	4.3

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: 726395 STATION NAME: WURTSMITH AFB MI

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

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	3.6	2.4	1.1									7.1	4.0
NNE	.6	.6	.0									1.9	6.4
NE	.2	.6	.7	.4								1.8	7.8
ENE	.8	.0	1.6	.6								3.7	7.0
E	.6	.7	.7	.2								1.3	5.9
ESE	.7	.6										1.2	3.0
SE	1.0	.9	.3									2.2	4.5
SSE	1.0	1.0	1.1	.4								3.6	6.2
S	2.7	2.0	2.8	.7	.1							8.2	5.9
SSW	3.2	4.2	.8	.4								8.7	4.6
SW	3.3	3.2	.8	.4								8.1	4.7
WSW	2.8	1.6	1.6									5.9	4.5
W	3.0	1.4	1.6	.7								6.3	4.9
WNW	2.6	2.4	1.7	.1								6.3	4.7
WW	2.2	1.8	.9									4.9	4.3
WNW	1.3	1.7	.7	.1								3.3	4.1
VARIABLE													
CALC	////////////////////////////////////										25.4	////	
TOTALS	29.8	28.3	15.8	4.1	.1							100.0	3.7

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR WEATHER SERVICE/MAJ

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

STATION NUMBER: 726395 STATION NAME: WUPISHITH AFB MI

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

DIRECTION (IN 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	1.9	2.9	1.7	.1								6.7	5.1
NNE	.8	1.1	.9	.2								3.0	5.8
NE	.3	.9	.9	.7	.1							2.9	8.0
ENE	.5	1.1	1.1	.3	.0							3.0	6.6
E	1.1	1.7	1.0	.5								4.3	5.9
ESE	.7	1.2	.4	.1								2.5	5.0
SE	.7	1.1	.6	.1								2.5	5.3
SSE	1.0	1.3	1.3	.3								3.8	6.0
S	2.2	3.9	3.4	1.1	.0							10.6	6.4
SSW	2.1	3.5	3.4	1.3	.1							10.5	6.7
SW	2.5	2.6	1.9	.9	.1							8.0	6.0
WSW	1.4	1.7	1.7	.6	.1							5.3	6.4
W	2.0	1.7	1.6	.7	.0							6.0	5.9
WNW	1.6	1.7	1.3	.6	.0	.0						5.2	6.0
NW	1.4	1.7	1.7	.5								5.2	6.0
NNW	1.5	1.7	1.2	.2								4.7	5.3
VARIABLE													
CALC	////////////////////											15.7	////
TOTALS	21.8	29.7	23.6	8.2	.5	.0						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR FATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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

FORM 1111

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	2.3	3.4	1.2									6.9	4.5
NNE		.2	.4	.1								.8	2.6
NE	.4	.1	.7									.8	4.6
NNE	.2		.1	.3								.6	9.5
E	.6	1.8	1.1	.3								3.9	6.1
ESE	.5	.5	.3									1.4	4.6
SE	1.0	1.2	.7	.2								3.1	5.3
ESE	.5	1.0	1.2									2.7	5.6
S	2.4	2.8	2.9	.1								8.2	5.5
SSW	2.5	3.1	2.5	1.9	.1							10.1	6.8
SW	1.9	3.5	2.7	.9								9.0	6.0
WSW	1.5	2.0	.8	.3								4.6	4.8
W	3.3	2.8	1.2	.6								8.0	4.9
WNW	1.3	1.6	1.5	1.0	.1							5.5	7.0
W	1.9	2.6	1.1	.7								5.8	4.8
WNW	1.3	2.6	.5									4.4	4.4
VARIABLE													
CALC	////////////////////											24.3	////
TOTALS	21.7	29.4	18.4	6.0	.2							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/FLTC  
AIR WEATHER SERVICE/RAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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

WIND SPEED IN KNOTS

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	1.4	1.8	1.2									4.4	5.1
NNL	.2	.2	.1									1.0	6.6
NE	.2	.5	.2	.4								1.8	8.4
ENE	.1	.1	.5									.8	6.9
E	1.3	.9	.6	.7								3.0	4.9
ESE	.4	.5	.2	.2								1.6	7.0
SE	.3	.9	.7	.2								1.9	6.7
SSE	.4	1.7	1.5									3.2	6.2
S	1.0	1.9	2.8	.4								5.9	6.6
SSW	2.5	3.5	3.1	1.4								10.5	6.3
SW	3.4	3.9	1.8	.2								10.0	5.2
WSW	2.0	3.0	.9	.1								6.0	4.5
W	3.1	2.7	1.2	.2								7.2	4.5
WNW	1.7	1.9	1.1	.9								5.6	5.9
NW	2.0	2.3	.7	.6								5.6	4.9
NNW	2.2	2.8	1.4	.2								6.6	5.0
VARIABLE													
CALM	////////////////////											24.7	////
TOTALS	22.4	25.3	18.4	6.2								100.0	4.2

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: 720395 STATION NAME: WORTSMITH AFB MI

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

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	1.6	1.9	1.1									4.6	4.7
NNE	.1	.2	.4	.2								1.3	4.6
NE	.2	.5	1.1	.5	.2							2.6	9.0
ENE		.0	.7									1.1	6.0
E	.9	1.1	.4	.2								2.9	5.3
ESE	.3	.0	.4		.1							1.8	6.4
SE	.4	.5	.6	.7	.1							2.0	7.2
SSE	.8	1.8	1.2	.7								4.1	6.1
S	1.9	2.2	2.0	1.1								7.1	6.6
SSW	3.9	4.3	3.7	1.4								13.0	5.9
SW	2.8	2.9	2.4	.4								9.4	5.0
WSW	2.2	2.0	1.4	.2								5.8	4.8
W	2.7	3.4	1.6	.2								8.0	4.7
WSW	2.4	1.0	1.7	.6								6.0	5.4
WNW	1.8	1.5	1.7	.4								5.1	5.4
WNW	1.5	2.9	.4	.1								5.3	4.6
VARIABLE													
CALM	////////////////////										21.7	////	
TOTALS	23.3	25.7	20.6	5.6	.4							100.0	4.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ITAC  
 AIR WEATHER SERVICE/RAC

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

STATION NUMBER: 726395 STATION NAME: WOLF SMITH AFB MI PERIOD OF RECORD: 77-86  
 MONTH: OCT HOURS (LST): 0900-1100

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	1.2	2.5	2.3	.3								6.2	5.9
NNE	.2	.2	.5	.5								1.5	8.7
NE	.4	.6	1.2	.3	.3							2.9	8.9
NHE	.6	1.2	.8	.5								3.2	6.5
E	.3	1.2	1.5	.2								3.2	6.8
ESE	.4	1.5	1.2	.2								3.3	6.2
SE	.1	1.1	1.2	.2								2.6	7.1
SSE	.5	.9	1.1	1.0								3.4	6.1
S	1.0	1.3	4.2	2.0	.2							9.0	8.9
SSW	1.0	4.1	4.4	2.5	.3	.2						12.5	8.3
SW	1.2	2.9	3.5	1.2	.1							9.2	7.3
WSW	.5	1.7	3.3	1.5	.1							7.1	8.4
W	.9	2.3	3.7	1.9	.1							8.8	8.2
WNW	.8	1.9	2.3	1.1	.1	.1						6.2	7.5
W	1.0	2.5	3.5	1.2	.1							8.5	7.6
WNW	1.0	1.9	1.7	1.2								5.9	7.4
VARIABLE													
CALM	////////////////////											6.3	////
TOTALS	11.1	27.7	36.7	16.5	1.4	.2						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(EST): 1700-1900

WIND SPEED IN KNOTS

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	.9	1.1	2.0	.6								4.5	7.1
NNE	.2	.5	1.0	.6	.2							2.6	9.7
NE		2.0	2.0	.7								4.7	7.3
ENE	.1	2.6	2.4	.4								5.5	6.9
E	1.2	3.4	2.7	.7								7.1	5.8
ESE	.4	1.6	1.8	.2								4.1	6.4
SE	.4	1.4	1.0	.7								3.1	6.6
SSE	.6	.9	1.5	.6								3.7	7.6
S	.5	1.8	4.9	4.7	.3	.2						12.6	10.2
SSW	.6	1.7	3.4	2.6	.6	.1						9.1	9.9
SW	.2	2.2	2.4	2.4	.2	.2						7.5	9.8
WSW	.8	1.7	2.4	2.9	.4							7.6	10.0
W	.5	2.0	3.1	1.5	.4	.1						8.2	8.8
WNW	.5	1.0	2.8	2.0	.2	.1						6.7	9.8
W	.3	.9	2.7	1.5								5.5	9.2
WNW	.2	.9	2.8	.9								4.7	8.5
VARIABLE													
CALM	////////////////////											2.5	////
TOTALS	7.5	26.2	39.6	27.1	2.5	.8						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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

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	56		
N	.3	1.8	2.7	.7								4.7	7.1
NNE	.5	1.4	1.9	.7								4.2	6.9
NE	.9	2.7	2.5	.3								6.3	6.9
ENE	1.1	2.6	1.6	.7								5.6	5.9
E	1.6	4.2	2.5									8.3	5.4
ESE	1.1	1.8	1.6	.2								4.7	5.6
SE	1.0	1.3	1.7	.4								4.4	6.4
SSE	1.7	1.8	2.7	.2								6.1	6.1
S	.9	3.0	5.0	4.0	.1							13.9	8.9
SSW	.2	1.4	2.4	1.9	.1							6.0	9.2
SW	.5	1.2	1.0	2.5	.2							5.4	9.7
WSW	.1	.6	1.6	1.7	.1							3.2	9.7
W	.4	4.0	4.0	1.2	.3							6.7	8.8
WNW	.5	4.7	2.1	2.3	.4	.2						8.4	9.4
W	.2	.7	2.7	1.4								4.6	9.1
WNW	.1	.5	1.8	1.0								3.4	6.5
VARIBL													
CALM	////////////////////											1.4	////
TOTALS	11.2	25.0	38.0	18.7	1.3	.7						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AFN WEATHER SERVICE/MAJ

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

STATION NUMBER: 726395 STATION NAME: Wurtsmith AFB MI

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

DIRECTION (DULGREET)	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	3.7	1.0	.1									7.5	3.7
NNE	1.5	.9	.4									2.8	3.9
NE	1.3	1.9	.6	.1								4.1	5.0
ENE	1.1	1.0	.6									2.7	4.5
E	1.1	1.7	1.2									3.5	5.2
ESE	1.2	1.3	.4									3.2	4.5
SE	1.5	1.3	.6	.4								4.0	5.5
SSE	1.2	1.7	1.5	.3								4.7	5.9
S	2.7	4.1	4.2	1.0								11.4	6.4
SSW	1.4	2.0	2.4	1.1	.2							7.3	7.2
SW	1.1	1.5	1.7	.2								5.1	6.8
WSW	1.7	1.1	1.0	.6								4.5	6.1
W	1.8	3.5	1.7	1.5								8.4	6.7
WNW	.9	1.5	2.0	1.0	.2							6.7	7.9
NW	1.4	1.2	1.1	.2								4.5	5.5
NNW	1.2	1.1	.1	.1								3.2	5.0
VECTABLE													
CFLR	////////////////////										16.3	////	
TOTALS	24.1	28.7	22.1	7.6	.4							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726396 STATION NAME: WUPTSMITH AFB HI

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

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	3.7	2.4	.7	.1								6.0	3.5
NNE	.1	.0	.7	.7								1.3	6.9
NE	.2	.6	.7									1.1	5.5
NNE	.7	.3	.4									1.0	6.1
E	.8	1.3	1.7	.1								3.4	5.3
ESE	.8	.6	.6									2.0	4.6
SE	.5	1.0	1.0	.1								2.6	6.0
SSE	.6	1.2	.9	.5								3.2	6.4
S	1.5	2.6	3.6	1.6								7.1	7.0
SSW	3.1	3.2	2.6	1.7	.5							10.6	6.6
SW	2.7	2.7	1.5	1.3								7.8	5.7
WSW	1.5	1.5	.6	.5	.2	.1						4.6	6.5
W	2.7	2.7	1.7	.7								6.9	5.6
WNW	2.0	1.7	1.7	.9								6.2	6.0
W	2.0	1.6	.6	.6								4.8	4.6
WNW	1.0	2.5	1.1	.7								4.7	5.6
UNDETERMINED													
TOTALS	23.0	27.8	18.0	7.5	.8	.1						100.0	4.5

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: 726395 STATION NAME: WURTSMITH AFB MI

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

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	1.8	2.2	1.4	.7								5.7	5.1
NNE	.4	.6	.7	.3	.0							1.9	7.1
NE	.5	1.1	1.1	.4	.1							3.0	7.1
NNE	.4	1.1	.8	.2								2.6	6.3
E	1.0	1.9	1.4	.7								4.4	5.6
ESE	.6	1.1	.9	.1	.0							2.8	5.7
SE	.7	1.1	.6	.3	.0							3.0	6.2
SSE	.8	1.4	1.4	.4								4.0	6.5
S	1.4	2.4	3.8	1.9	.1	.0						9.7	7.8
SSW	1.7	2.9	3.1	1.0	.2	.0						9.9	7.4
SW	1.7	2.5	2.2	1.2	.1	.0						7.8	6.8
WSW	1.3	1.6	1.5	1.0	.1	.0						5.5	7.0
W	1.9	2.8	2.2	1.1	.1	.0						8.3	6.5
WNW	1.3	1.7	2.0	1.2	.1	.1						6.4	7.5
W	1.3	1.7	1.7	.9	.0							5.5	6.4
WNW	1.1	1.9	1.4	.5								4.9	6.0
VARIABLE													
CALC	////////////////////											14.4	////
TOTAL	18.0	24.1	26.7	11.4	.9	.2						100.0	5.7

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
 USAF/LTAC  
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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

FORM 1111

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	1.0	2.2	1.7	1.1								5.7	6.7
NNE	.2	.3	.7	.6								1.4	8.5
NW			.4									.4	7.3
ENE	.4	.2	.1	.4	.1							1.3	8.3
E	.2	.8	1.2	.2								2.4	7.4
ESE	.3	.3	.9									1.6	5.8
SE	.8	1.2	.6	.1								2.9	5.8
SSE	.6	.9	.8	.1								2.3	5.9
S	.4	3.0	2.8	.9	.1							7.2	7.2
SSW	1.7	4.0	4.3	2.6	.1		.1					12.8	7.6
SW	2.2	4.3	3.4	1.6	.4	.1						12.1	7.2
WSW	1.2	2.3	2.0	1.3	.3							7.2	7.5
W	2.0	1.8	1.8	1.1	.1							6.9	6.6
WNW	.4	1.9	1.7	.4	.1							4.7	7.2
W	.9	3.1	1.7	.9								6.3	6.3
MNW	2.1	2.1	2.7	1.7	.1							7.9	6.9
VARIABLE													
CALC	////////////////////											16.9	////
TOTALS	14.6	28.6	25.6	12.8	1.4	.1	.1					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR WEATHER SERVICE/MAJ

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

STATION NUMBER: 726395 STATION NAME: WRIGHTSMITH AFB MI

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS(IST): 0700-0500

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	1.4	2.3	1.6	1.1								6.4	6.5
NNE	.3	.2	.6	.2								1.3	1.2
NE	.1		.6	.2	.1	.1						1.1	11.1
ENE	.2	.1	.4									.8	7.0
E	.1	.9	1.1	.4	.1							2.7	8.6
ESE	.3	.8	.6	.2								2.2	6.7
SE		.2	.6	.4								1.2	9.7
SSE	.8	.4	1.7	.1								2.3	5.9
S	1.7	3.7	3.0	.4								8.8	6.1
SSW	2.7	4.4	3.1	.9	.4	.1						11.7	6.4
SW	2.6	3.0	3.0	1.2	.4							10.2	6.9
WSW	2.0	2.6	1.9	1.2	.6	.1						8.3	7.7
W	2.0	2.4	1.6	.6	.2							7.1	6.2
WNW	1.4	2.0	1.6	.6	.1							5.9	6.5
W	1.7	2.7	1.7	.2								6.2	5.3
WNW	1.4	1.9	1.6	1.0								6.2	6.8
VARIABLE													
CALC	////////////////////											17.4	////
TOTALS	18.8	27.7	24.7	9.1	2.0	.3						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS: 900

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

STATION NUMBER: 726395    STATION NAME: WURTSMITH AFB MI      PERIOD OF RECORD: 77-86  
 MONTH: NOV      HOURS (LST): 0600-0800

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	1.1	1.6	1.9	.9								5.4	6.6
NNE	.4	.3	.2	.7	.1							1.6	7.6
NE		.8	.6	.4								1.8	8.1
ENE			.5									.9	8.8
E	.3	.7	.6	.7								2.2	8.2
ESE	.4	.7	.9	.6								2.6	7.5
SE	.3	1.1	1.4	.2								2.1	6.8
SSE	.3	1.0	.7	.2								2.3	6.8
S	1.3	2.1	2.1	.7	.2							7.0	6.6
SSW	3.2	5.7	2.6	.9	.2							12.1	5.9
SW	2.3	3.0	2.4	2.0	.2	.2						10.2	7.5
WSW	1.6	2.4	3.2	1.9	.2							9.0	7.4
W	1.9	3.1	1.1	1.9	.1							7.7	6.6
WNW	1.7	1.7	1.2	.2								4.8	5.3
W	1.6	2.5	1.9	1.0								7.1	6.3
NNW	1.8	3.0	1.7	.2								6.4	5.3
VARIABLE													
CALC	////////////////////											15.6	////
TOTALS	18.3	30.7	23.1	11.4	1.1	.2						100.0	5.6

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: 726395 STATION NAME: WURTSMITH AFB MI

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

FORM 1513

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	.7	1.2	2.1	1.7								6.7	8.4
NNE	.1	.3	.4	.6	.1							1.6	9.9
NE		.3	.5	.6								1.6	8.9
ENE	.2	.3	.7	.2								1.4	7.5
E		1.0	1.5	.4								3.3	8.1
ESE	.3	.7	.5	.2								2.0	6.7
SE	.4	.7	1.6	.7								3.0	7.7
SSE		.7	.9	1.0								2.6	9.2
S	.9	3.3	3.1	1.7	.6	.2						10.0	8.6
SSW	1.1	4.4	3.5	2.1	.2							11.8	7.6
SW	1.2	3.7	3.6	1.9	.4	.1						11.1	7.9
WSW	1.2	2.8	3.7	1.9	.4	.1						10.1	8.5
W	.9	2.0	3.1	1.8	.2							8.4	8.2
WNW	.8	1.5	1.4	.7	.1							4.4	6.7
NW	.7	3.1	2.3	1.3	.1							8.0	7.2
NNW	1.4	1.0	2.3	.7								6.2	6.4
VARIABLE													
CALM	////////////////////											7.6	////
TOTALS	10.0	25.1	34.1	16.9	2.2	.4						100.0	7.3

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: 726395 STATION NAME: WURTSMITH AFB MI

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

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-5	6-10	11-14	15-16	17-21	22-27	28-33		
N	.4	1.9	3.1	2.7				4.1	5.7
NNE	.4	.6	1.4	.7				3.1	7.2
NE		.6	1.1	.4				2.1	5.9
NNE	.4	1.0	1.7	.3				3.4	6.9
E	.9	2.7	1.7	.1				4.6	5.6
ESE	.3	1.7	1.7	.7				3.8	6.4
SE	.6	.8	1.2	.7				3.8	6.7
SSE	.7	.4	1.9	.7				3.7	4.8
S	.8	2.4	4.9	2.0	.7			10.8	8.4
SSW	1.0	1.7	4.2	2.7	1.1	.3		11.7	10.2
SW	.3	1.9	3.8	3.0	.8	.1		10.3	9.4
WSW	.7	1.9	2.7	2.9	.8	.1		9.7	10.0
W	.7	2.2	3.7	2.3	.9	.1		9.6	9.8
WSW	.6	2.1	1.4	1.7	.2			5.6	8.0
W	.7	2.2	2.1	1.1	.1			6.2	7.5
WNW	.8	1.8	2.7	1.2				6.1	7.9
VENTURE									
CALC	////////////////////							2.1	////
TOTALS	9.2	24.7	37.1	21.4	6.6	.7		100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
 USAFLTAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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

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	1.2	1.7	2.4	2.1	.1							7.6	4.1
NNE	.1	.6	1.1	.7								2.3	4.4
NE	.3	1.6	2.2	.7								4.3	6.6
ENE	.7	1.2	.6									2.4	5.7
E	1.6	1.4	1.5	.1								4.9	5.4
ESE	1.2	1.1	.7	.1	.1							2.9	5.0
SE	.8	2.0	1.0	.2								4.0	5.7
SSE	.9	1.9	2.2	.6								5.6	6.8
S	1.0	4.3	5.4	2.3								13.1	7.5
SSW	.7	2.4	2.4	2.1	1.0	.2						9.0	9.8
SW	.9	1.9	3.4	1.7	.2							7.6	8.2
WSW	.9	1.6	2.1	2.7	.6	.1						7.4	9.4
W	1.3	1.6	3.1	3.1	.3							9.4	9.1
WNW	.7	1.7	1.9	1.1								4.8	7.9
Ww	.3	1.7	2.7	1.7								5.9	7.9
NNW	1.2	1.7	2.7	1.3								5.9	7.3
VARIABLE													
CALM	////////////////////											2.9	////
TOTALS	13.7	27.4	34.0	16.4	2.3	.3						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/74AC

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

STATION NUMBER: 726395 STATION NAME: WUNTISWICH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: NOV HOURS/DAY: 1400-2000

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			GP 56
N	2.7	2.7	2.0	.9	.3							9.3	6.9
NNE	.2	.2	.2	.4								1.0	5.1
NE	.3	.1	.1	.6								1.1	7.5
NNE	.2	.8	1.7									2.7	7.0
E	.9	.6	.7	.7								3.9	6.9
ESE	.2	1.0	.7									1.9	7.0
SE	1.0	.3	.7	.4								2.4	6.7
SSE	1.7	2.1	2.1	.1								6.0	5.7
S	2.0	3.1	2.6	1.1	.2							9.0	6.7
SSW	2.2	4.6	2.4	2.1	.4							13.7	7.3
SW	1.1	2.7	2.1	1.6	.6	.2						8.9	6.5
WSW	1.1	1.7	2.1	1.5	.2							7.0	6.4
W	1.1	1.4	2.1	.9								5.5	7.1
WSW	1.0	1.4	1.2	.1								3.7	6.8
W	1.2	1.2	1.1	.1								3.6	6.7
WNW	1.1	1.6	2.1	1.1								6.9	7.3
WINDY	////////////////////											14.4	////
TOTALS	17.7	26.6	26.4	12.6	1.8	.2						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/AFM  
 AFM WEATHER SERVICE/MAC

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

STATION NUMBER: 726495 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS/DAYS: 1100-2300

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	MEAN SPEED	
	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GT 56
N	1.2	2.6	1.7	1.7	.1							7.3	7.7
NNE	.1	.2	.4	.2								1.0	1.1
NE		.3	.1	.1								.6	.6
ENE	.4	.7	.4	.7	.1							2.3	2.1
E	.3	.5	1.7									2.5	2.1
ESE	.5	.4	.4	.1								1.4	1.6
SE	.4	.7	.1	.2								1.4	1.6
SSE	.7	1.2	1.1	.2								3.2	3.2
S	1.8	2.7	3.7	.4	.2							9.8	7.4
SSE	2.0	2.7	3.7	2.4	.4	.1						11.3	7.1
SW	2.6	4.1	2.7	2.7	.3							12.5	6.5
WSW	1.9	1.1	2.5	1.2	.4							5.1	7.0
W	1.7	1.4	2.7	.7								6.5	6.1
WSW	1.0	1.5	.5	.7								3.7	5.7
W	.2	1.1	2.7	.7								4.7	7.1
WNW	1.1	.7	2.1	1.4								5.3	7.1
VELOCITY	////											10.2	////
TOTALS	17.1	26.6	25.5	15.2	1.7	.1						10.2	7.5

TOTAL NUMBER OF OBSERVATIONS: 200

FEDERAL AVIATION ADMINISTRATION  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C. 20548  
 U.S. WEATHER SERVICE/PAC

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

STATION NUMBER: 726155 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS/DAY: ALL

WIND SPEED IN KNOTS

DIRECTION (000-090)	1-77	8-80	7-81	11-86	17-87	23-87	28-87	34-87	41-87	46-87	TOTL	MEAN WIND
N	1.7	1.4	1.4	1.4	2.1						7.0	7.4
NNW	2.1	2.7	2.7	2.1	2.7						14.2	8.1
NW	2.1	2.7	2.7	2.7	2.7	2.1					14.9	7.5
NNW	2.1	2.7	2.7	2.7	2.7						14.9	7.2
W	2.7	1.4	1.4	2.7	2.7						7.1	6.7
WNW	2.1	2.1	2.7	2.1	2.7						14.7	6.2
W	2.7	2.1	1.4	2.7							24.7	5.1
WSW	2.1	1.4	1.4	2.7	2.7						14.4	5.8
S	14.7	24.7	24.9	14.7	2.7						92.9	7.4
SSE	14.7	24.7	24.9	2.1	2.7	2.1	2.7				114.5	7.2
SE	14.7	2.1	24.1	14.7	2.7	2.1					102.2	7.5
SSE	14.7	24.7	24.7	14.7	2.7	2.1					82.7	5.1
E	14.9	24.7	2.1	14.9	2.7	2.7					74.6	7.6
ESE	2.7	14.7	14.9	2.7	2.7						44.8	6.4
E	14.7	24.9	2.1	2.7	2.7						62.7	6.7
ESE	14.9	2.1	24.1	14.7	2.7						62.7	6.4
SSW	2.1	2.1	2.7	2.1	2.7						11.7	5.1
TOTAL	14.7	24.4	24.1	14.7	2.1	2.7	2.7				102.9	6.7

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/WHC

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

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(EST): 0800-0200

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		
0	.3	1.1	2.7	.5								4.2	7.5
090	.1	.2	.1	.1	.2							.7	10.6
90	.1	.2	.1									.4	5.5
135	.1	.2	.1	.1								1.7	8.2
180	.1	.1	.1	.2								1.6	7.4
150	.1	.2	.1	.1								1.4	6.7
315	.6	.9	.4	.1								2.0	5.9
330	.4	.1	.1									1.3	5.1
315	1.2	3.0	2.4	1.4								8.0	6.6
330	1.5	3.3	5.7	1.7	1.1							13.3	8.5
345	2.8	1.1	5.1	2.0	.4							15.4	7.0
315	1.1	2.7	5.7	1.7	.5							11.6	8.3
0	2.1	1.0	2.3	1.3	.2							6.1	7.4
330	.8	1.4	1.1	.1	.1	.1						4.1	7.6
345	1.0	1.3	1.7	.1	.3							5.1	6.0
330	1.1	1.0	1.0	.1								5.2	6.7
UNDETERMINED													
TOTAL	19.8	24.2	21.7	17.1	2.9	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH  
USAF ETAC  
MET WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WRIGHTSMITH AFB MI

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

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	.8	1.1	2.7	1.0								4.9	7.8
NNE	.1	.1	.2	.3								.8	9.7
NE		.2	.2	.1								.6	7.0
NENE	.2	.4	1.2	.1								2.0	7.2
E	.1	.1	1.1	1.0								2.3	9.8
ESE		.1	.1	.1	.1							1.0	7.7
SE	.6	.9	.2	.1								2.0	5.5
ENE	.5	.2	1.0	.4								2.3	7.3
S	1.5	2.2	2.2	1.5								7.4	6.9
SSW	3.2	4.0	4.2	3.0	.6	.1						15.3	7.5
SW	2.4	2.6	2.2	2.2	.2	.1						13.5	6.6
WSW	1.4	2.5	4.3	2.0	.4	.1						10.8	8.1
W	1.0	2.2	3.1	1.2	.4	.1						9.4	7.6
WSW	1.0	1.2	1.2	.4								3.9	6.2
W	1.3	1.7	2.2	.1	.2							6.0	6.8
WNW	1.1	2.0	1.0	.4								5.6	6.5
VENTILATED													
CALM	////////////////////											12.3	////
TOTALS	10.0	20.6	28.2	14.4	2.0	.4						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 210

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC

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

AIR WEATHER SERVICE/MAC

STATION NUMBER: 726395 STATION NAME: HUNTSMITH AFB MI

PERIOD OF RECORD: 77-P6  
MONTH: DEC HOURS(LIST): 0600-0800

FORM 5111

DIRECTION (DEGREES)	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND
	1-3	4-6	7-10	11-16	17-21	22-27	28-33		
N	.4	1.1	1.5	.6	.3			4.4	8.8
NNE	.1	.3	.1	.7	.1			.9	9.3
NE	.1		.4	.7				.6	8.9
NNE		.1	.7	.3				1.7	9.8
E		.1	1.0	.5	.1			1.7	10.4
ESE	.2	.5	1.2	.4				2.4	7.9
SE	.8	1.0	.6	.7				2.6	5.8
SSE	.9	.7	.8	.1				1.9	5.4
S	1.6	2.6	3.0	1.7	.1			9.2	7.5
SSW	2.3	4.9	4.3	2.5	.2			14.3	7.1
SW	2.4	4.4	4.1	2.0	.2			13.1	7.7
WSW	1.3	2.3	3.4	2.4	.1	.1		10.1	6.3
W	2.3	2.7	3.5	1.7				11.2	6.5
WNW	1.6	1.3	1.7	.4	.1			4.7	6.0
W	1.6	1.2	1.7	.7	.1			4.9	6.2
WNW	1.2	1.9	1.7	.8				5.5	6.6
VARIABLE									
CALC	////////////////////////////////////							11.2	////
TOTALS	16.7	25.5	30.4	14.7	1.4	.1		100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/CNAC  
 AIR WEATHER SERVICE/MAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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

0000111

DIRECTION (DEGREES)	WIND SPEED IN KNOTS										TOTAL	HEAR WIND	
	1-4	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55			GE 56
N	.0	1.2	2.6	1.7	.2							6.0	8.8
NNE	.1	.2	.3		.1							.8	8.6
NE	.1	.1	.0									.2	7.8
ENE		.1	.5	.7	.1							1.4	10.7
E	.3	.2	1.0	1.0								2.7	9.1
ESE	.2	.5	1.4	.3								2.5	7.7
SE	.2	.4	1.1									1.7	6.7
SSE	.9	.5	.4	.1								1.9	5.2
S	1.0	2.5	2.6	1.5	.3							7.8	8.2
SSW	1.6	3.7	4.6	5.7	.3	.2						16.1	9.1
SW	2.0	3.1	4.1	2.9	.9							12.2	8.0
WSW	1.1	2.9	4.6	3.1	.5							11.4	9.0
W	1.7	2.6	4.7	1.9	.2							10.5	7.6
WNW	.8	2.5	1.9	1.1								6.1	7.0
W	1.4	1.7	2.4	.4								5.9	6.4
WNW	1.4	2.2	1.7	.5	.3							6.1	6.9
VERTICAL													
CALC	////////////////////										6.2	////	
TOTALS	17.2	23.5	34.8	19.7	3.0	.2						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAJ

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

STATION NUMBER: 726395 STATION NAME: WUPRTSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: DEC 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	1.3	1.8	2.1	1.4	.5	.1						7.6	8.1
NNE	.1	.2	.2	.5								1.2	9.3
NE	.2	.1	.1	.1	.1	.1						.8	10.7
NNE	.5	.4	.2	.2	.1							2.2	7.5
E	.4	.6	1.4	.6								3.1	8.0
ESE	.1	.4	.1	.2								1.4	7.9
SE	.1	1.0	.5	.2								2.2	7.5
SSE	.6	1.0	1.1	.1								2.8	6.0
S	.8	2.2	2.1	2.0	.4							8.7	8.8
SSW	.6	2.9	4.2	4.5	1.0							17.7	9.7
SW	1.0	1.6	3.2	3.4	.8	.1						10.1	10.0
WSW	.5	1.6	3.5	4.2	1.3	.2						11.8	11.3
W	1.3	1.7	4.2	5.2	.6							11.8	9.6
WNW	.6	2.2	3.1	1.6	.1	.1						7.7	8.5
W	.3	2.3	3.1	.6	.3							6.2	8.0
WNW	1.1	1.3	2.2	.5	.1							6.2	6.7
VARIANCE													
CALC	////////////////////											2.3	////
TOTALS	2.7	22.7	35.7	24.6	5.4	.6						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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

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	1.3	2.2	2.4	.8								6.6	6.5
NNE	.4	.6	.4	.5	.3							2.3	9.1
NE	.2	.4	.1			.3						1.1	10.1
ENE	.6	.8	.6									2.0	5.4
E	.2	.9	1.2	.2								2.7	7.0
ESE	.5	.6	.4									1.6	5.0
SE	1.0	.9	1.0	.5								3.3	6.5
SSE	1.2	1.3	1.2	.1								3.8	5.3
S	1.2	3.0	2.2	2.2	.3							8.8	7.9
SSW	1.3	2.3	2.8	3.1	.3							9.8	8.8
SW	1.3	1.3	2.0	3.1	1.1	.2						9.0	10.3
WSW	.3	2.2	3.2	3.0	1.4	.1						10.3	10.5
W	1.4	4.4	6.6	3.2	.4							16.0	8.3
WNW	1.5	1.5	2.4	.9	.1	.2						6.6	7.8
NW	.8	1.2	1.4	1.1								4.5	7.3
NNW	.9	1.8	2.0	1.2	.1	.1						5.9	7.9
VARIABLE													
CAL	////////////////////											5.3	////
TOTALS	14.1	25.4	30.4	19.2	4.1	1.1						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: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 77-86  
 MONTH: DEC HOURS(UTC): 1800-2000

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	2.3	1.7	1.0	.4								6.0	5.6
NNE	.4	.4	.7	.7	.2							1.9	8.8
NE	.1	.7			.2	.1						.5	11.0
ENE		.7	.5	.5								1.7	8.4
E	.1	.7	1.7	.1								1.7	7.8
ESE	.1	.6	.1	.7	.1							1.7	7.7
SE	.5	1.6	.4	.7								2.3	6.1
SSE	.9	1.0	1.1	.1								3.0	5.3
S	2.3	1.7	2.7	1.7	.5							9.5	7.3
SSW	1.4	1.7	2.8	3.0	.6							12.5	8.4
SW	2.9	2.5	4.5	2.7	.8							12.7	7.7
WSW	1.7	3.7	3.1	1.7	.1	.1						10.1	7.6
W	1.8	1.9	2.4	1.7	.2							10.5	6.6
WNW	1.0	1.8	.9	.7	.3	.2						4.4	7.4
W	.9	1.7	1.3	1.3								4.9	7.6
WNW	1.6	1.4	1.5	.4		.1						5.1	6.2
VARIABLE													
CALC	////////////////////////////////////											100	////
TOTALS	17.3	27.5	25.1	13.9	3.1	.5						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB HI

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

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	1.2	1.1	2.3	.6								5.2	6.9
NNE		.1	.1	.5	.2							1.0	13.8
NE			.1									.1	7.0
ENE	.1	.2	.3									.6	6.2
E	.3	.8	1.7									2.9	6.5
ESE	.3	.6	.3									1.3	4.8
SE	.4	.6	.2	.3								1.7	6.6
SSE	.4	1.0	.5	.6								2.9	7.0
S	1.9	2.9	2.9	1.5	.1							7.2	6.9
SSW	1.9	2.9	3.7	3.4	.6	.1						12.7	8.9
SW	2.3	4.0	5.5	2.0	.4	.1						14.3	7.7
WSW	1.1	2.5	4.0	2.2	.3	.1						10.1	8.3
W	1.0	2.5	2.6	2.6								8.6	8.2
WNW	1.2	1.8	1.4	.6	.1							5.2	6.8
W	1.7	2.3	1.0	.9	.1	.1						6.0	6.2
NNW	1.2	3.3	1.7	.5	.1							6.5	6.0
VARIABLE													
CAL	////////////////////											11.8	////
TOTALS	15.1	26.7	28.1	15.9	2.0	.4						100.0	6.6

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: 726395 STATION NAME: WURTSMITH AFB MI

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

WIND SPEED IN KNOTS

DIRECTION (10 DEGREE SECT)	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56-56	TOTAL	MEAN WIND
N	1.0	1.4	2.2	.8	.1	.0						5.6	7.5
NNE	.2	.3	.2	.4	.1							1.2	9.7
NE	.1	.2	.2	.1	.0	.1						.7	9.0
NNE	.2	.3	.7	.2	.0							1.4	7.7
E	.2	.4	1.0	.5	.0							2.3	8.2
ESE	.2	.5	.6	.2	.0							1.6	7.2
SE	.5	.8	.7	.2								2.2	6.3
SSE	.7	.7	.0	.2								2.5	5.9
S	1.5	2.6	2.6	1.7	.2							8.7	7.5
SSW	1.7	3.6	4.0	3.9	.6	.1						13.4	8.5
SW	2.1	3.6	3.8	2.4	.6	.1						12.5	7.9
WSW	1.0	2.4	4.1	2.6	.6	.1						10.8	9.0
W	1.7	2.9	3.5	2.1	.3	.0						10.9	7.8
WNW	1.0	1.7	1.6	.7	.1	.1						5.3	7.3
W	1.1	1.6	1.9	.7	.1	.0						5.5	7.1
WSW	1.2	2.2	1.7	.6	.1	.0						5.8	6.6
VARIABLE													
CALC	////////	////////	////////	////////	////////	////////	////////	////////	////////	////////	////////	9.4	////
TOTALS	14.5	25.3	30.4	16.0	3.0	.4						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/HAC

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

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 77-87  
 MONTH: ALL HOURS(LST): ALL

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	1.6	2.2	2.1	.4	.1	.0						6.8	6.5
NNE	.6	.9	1.1	.6	.1	.0						3.3	7.5
NE	.5	1.1	1.3	.7	.1	.0						3.7	7.6
ENE	.6	1.2	1.2	.4	.0	.0						3.2	6.8
E	1.0	1.9	1.8	.3	.0							4.7	5.9
ESE	.6	1.2	.8	.1	.0							2.7	5.6
SE	.6	1.0	.8	.1	.0							2.5	5.7
SSE	.7	1.1	1.1	.3	.0							3.2	6.2
S	1.5	2.6	3.2	1.5	.2	.0	.0					8.9	7.4
SSE	1.7	2.8	2.8	1.6	.2	.0	.0					9.2	7.4
SW	1.8	2.3	2.1	1.1	.2	.1	.0					7.6	6.9
SSW	1.3	1.6	1.7	1.1	.2	.1	.0	.0				5.9	7.5
W	1.5	2.0	2.0	1.2	.2	.0	.0	.0				6.9	7.2
WSW	1.2	1.5	1.6	1.0	.1	.0	.0	.0				5.4	7.5
NW	1.2	1.6	1.8	1.1	.1	.0	.0					5.9	7.4
NNW	1.2	1.9	1.7	.7	.0	.0	.0	.0				5.6	6.6
VARIABLE													
CALM	////////////////////											14.1	////
TOTALS	17.7	27.0	26.6	12.7	1.6	.3	.0	.0				100.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 87643

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAJ

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

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 77-97  
 MONTH: ALL HOURS(IST): ALL

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

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

DIRECTION (DIRECTION)	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	2.0	3.5	4.7	2.2	.1	.0						17.1	7.4
NNE	.9	1.7	2.1	1.5	.2	.0						6.5	8.3
NE	.8	1.8	2.2	1.2	.2	.0						6.2	7.9
ENE	.9	1.0	1.7	.2	.2	.1						5.6	7.6
E	1.3	2.3	2.7	.8	.1							6.6	6.5
ESE	.9	1.3	1.0	.7	.0							3.5	5.9
SE	.9	1.7	1.1	.7	.0							3.6	6.1
SSE	1.0	1.6	1.4	.6	.0							4.6	6.4
S	1.8	3.1	3.5	1.7	.2							10.2	7.2
SSW	1.4	2.3	2.5	1.2	.1	.0						7.6	7.2
SW	1.2	1.6	1.7	.9	.1	.1						4.6	6.3
WSW	.6	.9	.6	.7	.1	.1	.0	.7				2.7	7.4
W	.7	.6	.7	.8	.1	.0						2.5	6.8
WNW	.6	.7	.7	.7	.1	.1						2.5	7.2
NW	.9	1.1	1.7	.7	.1	.0	.0					4.1	7.7
NNW	1.1	1.7	1.5	.2	.1	.0						5.7	7.1
VARIALE													
CALC	////////////////////											11.5	////
TOTALS	16.9	27.2	28.0	13.7	1.7	.4	.7	.0				100.7	6.3

TOTAL NUMBER OF OBSERVATIONS: 11666

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CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VERSUS VISIBILITY SUMMARY

THIS SUMMARY IS A BIVARIATE 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 1968, 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 SUPPRESSED 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

CLIMATE BUREAU METEOROLOGICAL BRANCH  
OTTAWA

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

TYPE OF WEATHER SERVICE/STATION

STATION NUMBER: 726397 STATION NAME: MONTREAL AER MI

PERIOD OF RECORD: 74-87

MONTH: JAN HOURS: 0000-2359

CEILING	VISIBILITY IN STATUTE MILES															
	1/8	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4
NO CEILING	5.7	5.7	33.9	33.7	34.7	34.7	34.7	34.7	34.8	34.8	34.8	34.9	34.9	34.9	34.9	34.9
1000	7.5	74.6	35.7	35.9	37.1	37.0	37.0	37.1	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2
1800	7.5	74.6	35.7	35.9	36.2	36.2	37.0	37.0	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2
1600	7.5	74.6	35.7	35.9	36.2	36.2	37.0	37.0	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2
1400	7.5	74.6	35.7	36.1	36.2	36.2	37.2	37.2	37.3	37.3	37.3	37.4	37.4	37.4	37.4	37.4
1200	7.5	74.6	36.2	36.5	37.1	37.1	37.5	37.5	37.6	37.6	37.6	37.7	37.7	37.7	37.7	37.7
1000	7.5	77.1	36.7	36.6	37.2	37.2	37.7	37.7	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
800	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
600	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
400	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
200	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
100	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
50	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
30	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
15	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
5	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
0	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
1000	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
800	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
600	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
400	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
200	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
100	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
50	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
30	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
15	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
5	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9
0	7.5	77.1	36.7	36.7	37.2	37.2	37.6	37.6	37.8	37.8	37.8	37.9	37.9	37.9	37.9	37.9

TOTAL NUMBER OF OBSERVATIONS: 930

LOCAL CLIMATOLOGY BRANCH  
WALLATA  
CIN. WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 226295 STATION NAME: WOOTSMITH AFB MI PERIOD OF RECORD: 78-87  
MONTH: JAN. HOURS OF DATA: 01/01/80 - 01/31/87

CEILING	VISIBILITY IN STATUTE MILES																
	1	1/2	3/4	1	1 1/4	2	2 1/2	3	3 1/4	4	4 1/4	5	5 1/4	6	6 1/4	7	8
0000	5.2	31.8	38.5	34.7	34.9	7.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
0001	5.2	35.4	36.7	36.3	36.5	16.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
0002	5.2	35.4	36.0	36.3	36.5	16.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
0003	5.2	35.5	36.1	36.5	36.7	16.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
0004	5.2	35.8	36.5	36.9	37.1	17.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
0005	5.2	36.7	37.4	37.8	38.1	18.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
0006	5.2	37.1	37.8	38.3	38.5	18.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
0007	5.2	38.6	39.5	39.9	40.3	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
0008	5.2	39.5	40.2	40.6	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
0009	5.2	40.4	41.3	41.7	41.9	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
0010	5.2	42.1	43.0	43.7	44.1	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
0011	5.2	44.1	45.2	45.6	46.0	46.1	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
0012	5.2	49.4	51.7	51.4	52.0	52.2	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
0013	5.2	52.2	54.7	54.5	55.0	55.4	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
0014	5.2	58.5	60.6	61.4	62.7	62.8	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
0015	6.1	63.1	65.7	66.6	68.4	68.5	69.7	69.8	69.8	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0
0016	6.1	67.6	71.2	72.5	75.8	75.6	77.7	78.5	78.6	78.7	78.8	78.8	78.8	79.0	79.0	79.0	79.0
0017	6.1	69.5	72.6	73.6	75.9	76.5	77.1	78.7	80.0	80.2	80.3	80.4	80.4	80.6	80.6	80.6	80.6
0018	6.1	72.2	76.4	77.7	81.1	81.3	83.7	84.9	85.2	85.4	85.6	85.6	85.6	85.8	85.8	85.8	85.8
0019	6.1	73.3	77.3	79.4	82.4	83.0	85.6	86.9	87.1	87.3	87.6	87.6	87.6	87.8	87.8	87.8	87.8
0020	6.1	74.3	78.5	80.6	84.7	85.3	88.1	89.5	89.7	89.9	90.5	90.5	90.5	90.9	90.9	90.9	90.9
0021	6.1	74.8	79.1	81.4	85.9	86.2	89.0	90.8	91.1	91.3	91.9	91.9	91.9	92.3	92.3	92.3	92.3
0022	6.1	74.8	79.7	81.4	85.6	86.5	89.9	91.8	92.4	92.7	93.3	93.3	93.3	93.7	93.7	93.7	93.7
0023	6.1	74.8	79.8	81.4	85.7	86.6	90.2	92.6	93.3	93.8	94.4	94.4	94.4	94.9	94.9	94.9	94.9
0024	6.1	74.8	79.8	81.5	85.7	86.5	90.5	93.1	94.2	94.7	95.4	95.4	95.4	95.9	95.9	95.9	95.9
0025	6.1	74.8	79.8	81.7	86.5	87.6	90.9	93.8	94.9	95.5	96.5	96.5	96.5	96.7	96.7	96.7	96.7
0026	6.1	74.8	79.8	81.7	86.6	87.6	91.4	94.4	95.9	96.5	97.3	97.3	97.3	97.5	97.5	97.5	97.5
0027	6.1	74.8	79.8	81.7	86.6	87.6	91.4	94.8	96.6	97.2	98.3	98.3	98.3	98.5	98.5	98.5	98.5
0028	6.1	74.8	79.8	81.7	86.6	87.6	91.6	96.8	97.4	97.4	98.6	98.6	98.6	98.9	98.9	98.9	98.9
0029	6.1	74.8	79.8	81.7	86.6	87.6	91.6	95.1	96.8	97.4	98.7	98.7	98.7	98.9	98.9	98.9	98.9
0030	6.1	74.8	79.8	81.7	86.6	87.6	91.6	95.1	96.8	97.4	98.7	98.7	98.7	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS: 230

FEDERAL BUREAU OF INVESTIGATION  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C. 20535

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

WFO WEATHER SERVICE/FAC

STATION NUMBER: 726355 STATION NAME: WASHINGTON AFB MI

PERIOD OF RECORD: 18-87  
 MONTH: JAN HOURS(EST): 0000-2300

CEILING

VISIBILITY IN STATUTE MILES

CEILING	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
NO CEILING	4.1	32.7	33.3	34.1	34.7	34.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
1000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
1500	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
2000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
3000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
4000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
5000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
6000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
7000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
8000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
9000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
10000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
11000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
12000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
13000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
14000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
15000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
16000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
17000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
18000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
19000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
20000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
21000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
22000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
23000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
24000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
25000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
26000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
27000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
28000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
29000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
30000	4.2	34.9	35.6	36.3	37.1	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2

TOTAL NUMBER OF OBSERVATIONS: 930

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/NAAC

STATION NUMBER: 726395 STATION NAME: WRIGHTSMITH AFB MI

PERIOD OF RECORD: 76-87  
 MONTH: JAN HOURS(EST): 0100-1100

CEILING

VISIBILITY IN STATUTE MILES

IN FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO CEILING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
100	4.1	33.7	34.7	34.0	35.7	35.6	35.7	35.9	36.0	36.0	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
150	4.1	33.3	34.1	34.7	35.6	35.7	35.8	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
200	4.1	33.4	34.2	34.8	35.4	35.4	36.0	36.3	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
250	4.1	33.7	34.4	35.1	36.1	36.1	36.1	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
300	4.1	34.2	35.0	35.1	37.7	37.3	37.4	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
350	4.1	36.3	37.1	37.8	38.9	39.0	39.1	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
400	4.3	36.8	37.6	38.5	39.4	39.5	39.6	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
450	4.5	38.2	39.0	39.8	41.1	41.1	41.2	41.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
500	4.5	39.1	40.1	40.9	42.1	42.1	42.2	42.6	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
550	4.6	40.0	41.0	41.7	42.9	43.0	43.1	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
600	4.8	42.3	43.3	44.2	45.1	45.6	45.7	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
650	5.2	44.2	45.3	46.2	47.3	47.6	47.7	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
700	5.5	46.0	47.2	48.1	49.2	49.6	49.7	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
750	5.6	50.2	52.5	52.9	55.5	55.6	56.5	57.2	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
800	5.9	56.1	58.8	60.5	62.3	62.6	63.3	64.1	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
850	7.0	63.8	65.5	65.3	67.4	67.8	68.7	69.6	69.7	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
900	7.1	62.6	66.8	68.1	71.9	72.6	73.7	74.8	75.2	75.6	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
950	7.1	64.3	67.5	71.1	74.0	74.6	75.8	77.0	77.3	77.7	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
1000	7.1	66.2	71.1	74.2	77.7	78.4	79.8	81.3	81.6	82.3	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
1100	7.1	77.7	77.6	78.7	80.3	81.4	82.0	84.6	84.9	85.6	86.1	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
1200	7.1	68.2	73.4	77.5	81.1	82.7	84.5	86.8	87.1	88.1	88.9	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
1300	7.1	66.4	73.8	78.0	82.4	83.2	85.7	88.0	88.3	89.4	90.3	90.6	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0
1400	7.2	69.0	74.0	78.9	83.8	84.7	86.7	89.6	90.0	91.2	92.6	92.9	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3
1500	7.2	69.2	74.6	79.2	84.1	85.5	87.4	90.6	91.3	92.7	94.4	94.7	95.5	95.6	95.7	95.8	95.8	95.8	95.8	95.8
1600	7.2	69.2	74.6	79.2	84.7	85.7	87.7	91.3	91.8	93.5	95.8	96.1	96.9	97.0	97.1	97.2	97.2	97.2	97.2	97.2
1700	7.2	69.2	74.7	79.4	84.9	86.0	88.1	91.9	92.9	94.6	96.9	97.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
1800	7.2	69.2	74.7	79.4	84.9	86.0	88.1	91.9	93.1	94.8	97.2	97.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9
1900	7.2	69.2	74.7	79.4	84.9	86.0	88.1	91.9	93.1	94.9	97.4	97.7	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1
2000	7.2	69.2	74.7	79.4	84.9	86.0	88.1	91.9	93.2	95.1	97.8	98.2	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9
2100	7.2	69.2	74.7	79.4	84.9	86.0	88.1	91.9	93.2	95.1	97.8	98.1	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

LOCAL CLIMATOLOGY BRANCH  
WAFETAC  
AIR WEATHER SERVICE/NAVC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WUPESMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LOCAL): 1700-1900

CEILING FEET	VISIBILITY IN STATUTE MILES															
	1	10	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
NO CEIL	6.7	31.1	31.5	31.7	31.9	32.2	32.3	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GF 2000	4.5	34.0	34.5	34.7	34.9	35.3	35.4	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
GF 1800	4.5	34.5	35.1	35.3	35.5	35.8	35.9	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
GF 1600	4.5	34.5	35.1	35.3	35.6	35.9	36.0	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GF 1400	4.5	34.5	35.1	35.3	35.6	35.9	36.0	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
GF 1200	4.5	35.4	35.9	36.1	36.5	36.8	36.9	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
GF 1000	4.5	38.7	39.2	39.5	39.9	40.2	40.3	40.5	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GF 900	4.5	39.9	39.9	40.1	40.5	40.9	41.0	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
GF 800	4.7	41.0	41.5	42.2	42.4	43.1	43.3	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
GF 700	4.7	42.2	43.0	43.3	44.1	44.3	44.6	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GF 600	4.7	42.5	43.7	43.7	44.3	44.6	44.9	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GF 500	4.8	43.7	44.5	44.8	45.7	46.0	46.3	46.9	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2
GF 400	5.2	44.9	45.8	46.1	47.1	47.4	47.7	48.3	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6
GF 300	5.8	48.1	49.4	50.0	51.5	51.8	52.4	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GF 200	6.1	51.7	53.0	53.7	54.9	55.3	55.9	56.5	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9
GF 100	6.8	58.7	60.4	61.4	62.8	63.3	64.1	65.1	65.3	65.4	65.5	65.5	65.5	65.5	65.5	65.5
GF 0	6.8	64.0	66.7	68.0	69.4	70.5	71.3	72.5	72.8	73.0	73.5	73.5	73.7	73.7	73.7	73.7
GF 1000	7.0	66.2	69.5	71.3	71.4	74.3	75.3	77.3	77.6	78.2	78.8	78.8	78.9	78.9	78.9	78.9
GF 1800	7.0	67.2	70.5	72.8	74.9	76.0	77.0	79.0	79.4	79.9	80.5	80.6	80.6	80.6	80.6	80.6
GF 1600	7.4	69.1	73.2	76.5	79.1	80.2	81.2	83.4	83.8	84.4	85.2	85.2	85.4	85.4	85.4	85.4
GF 1400	7.6	70.2	74.7	78.6	81.5	82.9	84.3	86.7	87.3	88.0	88.9	88.9	89.1	89.1	89.1	89.1
GF 1200	7.8	70.5	75.8	79.5	82.9	84.2	85.6	88.0	88.7	89.7	90.9	90.9	91.2	91.2	91.2	91.2
GF 1000	7.6	70.6	75.9	79.8	83.5	84.9	86.6	89.4	90.2	91.4	92.6	92.6	93.2	93.2	93.2	93.2
GF 800	7.6	71.2	76.5	80.5	84.5	86.0	87.6	90.9	91.7	93.1	94.7	94.7	95.4	95.4	95.4	95.4
GF 600	7.7	71.2	76.6	80.6	85.2	86.8	88.4	91.8	92.7	94.1	96.1	96.1	96.8	96.8	96.8	96.8
GF 400	7.6	71.2	76.7	80.8	85.4	87.0	88.6	92.2	93.0	94.5	96.7	96.9	97.7	97.7	97.7	97.7
GF 200	7.7	71.2	76.7	80.8	85.5	87.1	88.7	92.4	93.3	94.8	97.1	97.4	98.5	98.5	98.6	98.6
GF 100	7.6	71.2	76.7	80.8	85.5	87.1	88.7	92.4	93.4	95.2	97.8	98.2	99.2	99.2	99.4	99.4
GF 0	7.8	71.2	76.7	80.8	85.5	87.1	88.7	92.4	93.4	95.3	98.0	98.3	99.4	99.4	99.5	99.5
GF 1000	7.6	71.2	76.7	80.8	85.5	87.1	88.7	92.4	93.4	95.3	98.2	98.5	99.6	99.6	99.6	99.6
GF 1800	7.6	71.2	76.7	80.8	85.5	87.1	88.7	92.4	93.4	95.3	98.2	98.5	99.6	99.6	99.6	99.6
GF 1600	7.6	71.2	76.7	80.8	85.5	87.1	88.7	92.4	93.4	95.3	98.2	98.5	99.6	99.6	99.6	99.6
GF 1400	7.6	71.2	76.7	80.8	85.5	87.1	88.7	92.4	93.4	95.3	98.2	98.5	99.6	99.6	99.6	99.6
GF 1200	7.6	71.2	76.7	80.8	85.5	87.1	88.7	92.4	93.4	95.3	98.2	98.5	99.6	99.6	99.6	99.6
GF 1000	7.6	71.2	76.7	80.8	85.5	87.1	88.7	92.4	93.4	95.3	98.2	98.5	99.6	99.6	99.6	99.6
GF 800	7.6	71.2	76.7	80.8	85.5	87.1	88.7	92.4	93.4	95.3	98.2	98.5	99.6	99.6	99.6	99.6
GF 600	7.6	71.2	76.7	80.8	85.5	87.1	88.7	92.4	93.4	95.3	98.2	98.5	99.6	99.6	99.6	99.6
GF 400	7.6	71.2	76.7	80.8	85.5	87.1	88.7	92.4	93.4	95.3	98.2	98.5	99.6	99.6	99.6	99.6
GF 200	7.6	71.2	76.7	80.8	85.5	87.1	88.7	92.4	93.4	95.3	98.2	98.5	99.6	99.6	99.6	99.6
GF 100	7.6	71.2	76.7	80.8	85.5	87.1	88.7	92.4	93.4	95.3	98.2	98.5	99.6	99.6	99.6	99.6
GF 0	7.6	71.2	76.7	80.8	85.5	87.1	88.7	92.4	93.4	95.3	98.2	98.5	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAF/DTIC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WUSTSMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(EST): 1500-1700

CEILING FEET	VISIBILITY IN STATUTE MILES															
	IN 10	GE 6	GF 5	GE 4	GE 3	GF 2 1/2	GE 2	GF 1 1/2	GE 1 1/4	GE 1	GF 3/4	GE 5/8	GE 1/2	GF 5/16	GE 1/4	GF 0
NO CEIL	7.6	31.9	32.9	33.0	33.1	33.1	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
GF 2000	4.5	35.2	36.2	36.3	36.6	36.7	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GF 1800	4.5	36.0	37.1	37.2	37.4	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
GF 1600	4.5	36.1	37.2	37.3	37.5	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GF 1400	4.5	36.6	37.6	37.7	38.0	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
GF 1200	4.6	37.5	38.6	38.7	38.9	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GF 1000	4.7	40.5	42.0	42.2	42.4	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GF 900	4.9	41.1	42.6	42.7	43.0	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
GF 800	5.1	43.2	44.9	45.1	45.3	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GF 700	5.2	45.5	47.2	47.3	48.3	48.4	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GF 600	5.3	45.9	47.7	47.8	48.8	49.0	49.0	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GF 500	5.3	46.3	48.3	48.5	49.6	49.8	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
GF 450	5.4	47.7	49.8	50.0	51.1	51.3	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GF 400	5.4	51.0	53.5	53.6	55.5	55.6	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GF 350	6.2	53.9	56.5	57.0	59.2	59.4	59.7	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GF 300	7.0	61.3	63.9	64.7	67.1	67.5	68.1	68.6	68.6	69.2	69.4	69.4	69.4	69.4	69.4	69.4
GF 250	7.1	68.0	71.2	72.3	74.9	75.6	76.3	76.9	77.0	77.7	78.1	78.1	78.1	78.1	78.1	78.1
GF 200	7.3	71.1	75.3	76.8	79.7	80.3	81.6	82.7	82.8	83.8	84.5	84.5	84.5	84.5	84.5	84.5
GF 150	7.7	71.8	76.8	77.7	80.5	81.3	82.6	83.7	83.8	84.7	85.6	85.6	85.6	85.6	85.6	85.6
GF 100	7.6	73.5	78.2	80.0	83.0	83.8	85.1	86.3	86.5	87.5	88.9	88.9	88.9	88.9	88.9	88.9
GF 50	7.5	74.0	78.8	81.1	84.9	86.2	87.8	88.1	89.6	91.0	91.0	91.3	91.3	91.3	91.3	91.3
GF 1000	7.6	74.4	79.2	81.8	85.6	86.5	87.8	89.2	89.8	91.5	93.0	93.1	93.7	93.7	93.7	93.7
GF 900	7.6	74.4	79.2	81.8	85.6	86.6	88.1	90.0	90.3	92.4	93.9	94.0	94.5	94.5	94.5	94.5
GF 800	7.7	74.5	79.4	81.9	86.1	87.1	88.6	90.6	91.0	93.4	95.2	95.4	95.9	95.9	95.9	95.9
GF 700	7.7	74.5	79.4	81.9	86.2	87.2	88.7	91.0	91.3	93.9	95.6	95.8	96.3	96.3	96.3	96.3
GF 600	7.6	74.5	79.4	81.9	86.3	87.2	88.8	91.2	91.8	94.4	96.2	96.5	97.2	97.2	97.3	97.3
GF 500	7.6	74.5	79.4	81.9	86.4	87.4	89.0	91.4	92.0	94.9	96.9	97.1	98.1	98.1	98.2	98.3
GF 400	7.6	74.5	79.4	81.9	86.2	87.5	89.2	91.6	92.3	95.3	97.7	98.0	99.0	99.0	99.1	99.2
GF 300	7.7	74.5	79.4	81.9	86.2	87.5	89.2	91.6	92.3	95.3	97.8	98.1	99.4	99.4	99.5	100.0
GF 200	7.6	74.5	79.4	81.9	86.2	87.5	89.2	91.6	92.3	95.3	97.8	98.1	99.4	99.4	99.5	100.0
GF 100	7.6	74.5	79.4	81.9	86.2	87.5	89.2	91.6	92.3	95.3	97.8	98.1	99.4	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395

STATION NAME: Wurtsmith AFB MI

PERIOD OF RECORD: 78-87

MONTH: JAN HOURS (LST): 1800-2000

CEILING

VISIBILITY IN STATUTE MILES

IN FEET	1	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	4.5	33.5	33.8	33.8	33.9	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.3	34.3
GE 2000	4.7	35.9	36.1	36.1	36.2	36.6	36.6	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.8	36.8
GE 1800	4.7	36.2	36.5	36.5	36.6	36.9	36.9	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.1	37.1
GE 1600	4.7	36.3	36.6	36.6	36.7	37.0	37.0	37.0	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.2	37.2
GE 1400	4.7	36.9	37.1	37.1	37.1	37.5	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.7	37.7
GE 1200	4.7	37.7	38.0	38.1	38.2	38.5	38.5	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.7	38.7
GE 1000	4.8	40.6	41.2	41.4	41.5	41.8	41.8	41.8	41.8	41.9	41.9	41.9	41.9	42.0	42.0	42.2	42.2
GE 900	5.1	41.3	41.8	42.2	42.3	42.6	42.6	42.6	42.6	42.7	42.7	42.7	42.7	42.8	42.8	42.9	42.9
GE 800	5.3	43.7	44.8	45.6	46.0	46.3	46.3	46.5	46.5	46.6	46.6	46.6	46.6	46.7	46.7	46.8	46.8
GE 700	5.6	44.6	45.8	46.6	47.1	47.3	47.3	47.4	47.4	47.5	47.5	47.5	47.5	47.6	47.6	47.7	47.7
GE 600	5.9	45.2	46.5	47.2	47.6	48.0	48.0	48.1	48.1	48.3	48.3	48.3	48.4	48.4	48.5	48.5	48.5
GE 500	5.9	46.9	48.3	49.1	49.6	49.9	49.9	50.0	50.0	50.3	50.3	50.3	50.4	50.4	50.5	50.5	50.5
GE 450	5.9	49.4	50.9	51.7	52.7	52.7	52.7	52.9	52.9	53.2	53.2	53.2	53.3	53.3	53.4	53.4	53.4
GE 400	6.3	54.1	55.9	57.0	58.0	58.4	58.4	58.9	59.0	59.4	59.4	59.4	59.5	59.5	59.6	59.6	59.6
GE 350	6.8	57.5	59.6	60.6	61.7	62.2	62.2	62.8	62.9	63.2	63.2	63.2	63.3	63.3	63.4	63.4	63.4
GE 300	8.0	63.7	66.0	67.5	68.9	69.4	69.6	70.2	70.3	70.6	70.6	70.6	70.8	70.8	70.9	70.9	70.9
GE 250	8.2	68.8	71.6	73.3	75.1	75.6	76.3	77.2	77.3	77.6	77.6	77.6	77.7	77.7	77.7	77.8	77.8
GE 200	8.4	72.6	75.9	78.1	80.0	80.8	82.5	84.3	84.6	84.9	84.9	84.9	85.1	85.1	85.2	85.2	85.2
GE 150	8.4	73.2	76.7	78.9	81.7	81.7	83.2	85.3	85.6	85.9	85.9	85.9	86.0	86.0	86.1	86.1	86.1
GE 100	8.4	74.2	78.7	80.5	83.1	83.8	85.6	87.7	88.1	88.6	88.7	88.7	88.8	88.8	88.9	88.9	88.9
GE 75	8.4	74.9	79.2	81.6	84.7	85.1	86.9	89.5	90.0	90.6	91.0	91.0	91.1	91.1	91.2	91.2	91.2
GE 50	8.5	75.5	79.9	82.0	85.4	86.2	88.4	91.5	92.2	93.0	93.7	93.7	93.8	94.0	94.2	94.2	94.2
GE 40	8.5	75.5	80.0	82.7	85.6	86.6	88.7	91.9	92.7	93.5	94.2	94.2	94.3	94.5	94.7	94.7	94.7
GE 30	8.5	75.7	80.3	83.0	86.7	87.0	89.1	92.6	93.4	94.5	95.2	95.2	95.4	95.6	95.9	96.0	96.0
GE 20	8.5	75.7	80.3	83.0	86.7	87.0	89.2	92.7	93.4	94.8	95.5	95.5	95.7	95.9	96.2	96.3	96.3
GE 15	8.5	75.7	80.3	83.0	86.7	87.0	89.5	93.3	94.4	95.5	96.2	96.2	96.5	96.7	97.0	97.1	97.1
GE 10	8.5	75.7	80.3	83.0	86.7	87.0	89.5	93.3	94.4	95.5	96.2	96.2	96.5	96.7	97.0	97.1	97.1
GE 5	8.5	75.7	80.3	83.0	86.7	87.0	89.5	93.3	94.4	95.5	96.2	96.2	96.5	96.7	97.0	97.1	97.1
GE 0	8.5	75.7	80.3	83.0	86.7	87.0	89.5	93.3	94.4	95.5	96.2	96.2	96.5	96.7	97.0	97.1	97.1

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAF/AC  
AIR WEATHER SERVICE/NAAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 74-87  
MONTH: JAN HOURS(LEST): 2100-2300

CEILING FEET	VISIBILITY IN STATUTE MILES																		
	1/2	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	11	12	15		
NO CEIL	5.2	33.5	34.0	34.3	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.5	34.5	34.7	34.7
GE 20000	5.5	34.7	35.2	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.7	35.7	35.9	35.9
GE 18000	5.5	34.7	35.2	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.7	35.7	35.9	35.9
GE 16000	5.5	34.7	35.2	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.7	35.7	35.9	35.9
GE 14000	5.5	34.7	35.2	35.5	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.7	35.7	35.9	35.9
GE 12000	5.6	36.1	36.6	36.9	37.0	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.5	37.5	37.7	37.7
GE 10000	5.6	38.3	39.0	39.6	39.9	40.2	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.5	40.5	40.8	40.8
GE 9000	5.6	38.5	39.2	39.8	40.1	40.4	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.8	40.8	41.0	41.0
GE 8000	5.8	41.1	42.0	42.6	43.2	43.5	43.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.9	43.9	44.1	44.1
GE 7000	5.8	42.2	43.1	43.7	44.3	44.6	44.6	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.9	44.9	45.2	45.2
GE 6000	6.1	42.7	43.7	44.2	44.8	45.2	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.7	45.7
GE 5000	6.1	44.7	45.8	46.3	47.0	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.7	47.7	48.0	48.0
GE 4500	6.1	45.6	46.7	47.2	47.8	48.2	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.5	48.5	48.8	48.8
GE 4000	6.6	53.1	54.6	55.6	56.3	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.4	57.4
GE 3500	6.6	55.5	57.1	58.1	58.8	59.2	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.9	59.9
GE 3000	7.2	61.8	63.8	64.8	66.0	66.6	66.6	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.1	67.1	67.4	67.4
GE 2500	7.4	66.8	69.2	70.6	71.9	72.6	73.3	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.3	74.3
GE 2000	7.8	71.4	74.4	76.0	77.4	78.5	79.7	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.8	80.8
GE 1800	7.6	72.7	75.9	77.6	79.2	80.3	81.8	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8	83.0	83.0
GE 1600	7.6	74.5	78.6	80.8	83.0	83.8	86.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.7	87.7
GE 1400	7.6	75.3	79.4	81.5	83.7	84.0	87.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3	88.3	88.8	88.8
GE 1200	7.6	75.9	80.0	82.3	84.7	85.7	88.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.4	90.4	90.7	90.7
GE 1000	7.6	76.0	80.1	82.4	84.9	85.9	88.9	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9	90.9	91.2	91.2
GE 900	7.6	76.0	80.3	82.6	85.5	86.5	89.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	92.2	92.2
GE 800	7.6	76.1	80.4	82.7	85.7	86.7	89.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.9	92.9
GE 700	7.6	76.3	80.6	82.9	86.0	87.0	90.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	94.0	94.0
GE 600	7.6	76.3	80.6	82.9	86.0	87.0	90.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	94.0	94.0
GE 500	7.6	76.3	80.6	82.9	86.0	87.0	90.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	94.0	94.0
GE 400	7.6	76.3	80.6	82.9	86.0	87.0	90.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	94.0	94.0
GE 300	7.6	76.3	80.6	82.9	86.0	87.0	90.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	94.0	94.0
GE 200	7.6	76.3	80.6	82.9	86.0	87.0	90.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	94.0	94.0
GE 100	7.6	76.3	80.6	82.9	86.0	87.0	90.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	94.0	94.0
GE 0	7.6	76.3	80.6	82.9	86.0	87.0	90.2	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.1	93.1	94.0	94.0

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: 726395 STATION NAME: WURTSMITH AFB 41

PERIOD OF RECORD: 78-87  
MONTH: JAN HOURS(LST): ALL

CEILING

VISIBILITY IN STATUTE MILES

FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
RO CEILING	4.5	32.3	32.9	33.2	33.4	33.7	33.8	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	34.0	34.0		
GE 2000	4.8	34.8	35.4	35.7	36.1	36.3	36.3	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
GE 1800	4.8	35.0	35.6	36.0	36.3	36.6	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
GE 1600	4.8	35.1	35.7	36.0	36.4	36.7	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.9	36.9	36.9	36.9
GE 1400	4.8	35.3	35.9	36.2	36.7	36.9	36.9	37.0	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 1200	4.8	35.0	36.6	37.0	37.4	37.6	37.6	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.9
GE 1000	4.9	38.2	39.0	39.4	39.9	40.1	40.1	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.5	40.5	40.5	40.5
GE 900	4.9	38.6	39.4	39.8	40.3	40.5	40.6	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.9	40.9	40.9	40.9
GE 800	5.0	40.5	41.5	42.0	42.7	42.9	43.0	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.4	43.4	43.4	43.4
GE 700	5.1	41.5	42.6	43.1	43.8	44.0	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.5	44.5	44.5
GE 600	5.2	42.1	43.2	43.7	44.4	44.6	44.7	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.2	45.2	45.2	45.2
GE 500	5.3	43.8	44.9	45.5	46.3	46.5	46.7	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.3	47.3	47.3	47.3
GE 450	5.4	45.5	46.7	47.2	48.1	48.3	48.5	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.1
GE 400	5.9	50.0	51.7	52.5	53.5	53.9	54.2	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9	54.9
GE 350	6.1	52.8	54.6	55.6	56.7	57.2	57.6	58.0	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3
GE 300	7.0	59.5	61.6	62.8	64.1	64.9	65.4	66.0	66.0	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 250	7.1	64.5	67.2	68.6	70.7	71.2	72.1	72.8	72.9	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4
GE 200	7.3	68.2	71.7	73.5	76.0	76.6	78.1	79.4	79.5	79.8	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2
GE 180	7.3	69.5	73.0	74.9	77.5	78.2	79.7	81.0	81.1	81.4	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8
GE 150	7.4	71.6	75.5	76.0	81.7	81.7	83.5	85.0	85.2	85.7	86.1	86.1	86.1	86.1	86.2	86.2	86.3	86.3	86.3	86.3
GE 120	7.4	72.8	76.7	79.4	82.7	83.5	85.4	87.1	87.4	87.9	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6
GE 100	7.4	75.2	77.5	80.4	84.0	84.9	87.1	89.1	89.4	90.3	91.0	91.1	91.1	91.4	91.4	91.4	91.5	91.5	91.5	91.5
GE 90	7.4	75.4	77.6	80.7	84.5	85.5	87.8	89.1	89.5	91.5	92.2	92.3	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7
GE 80	7.5	75.7	78.1	81.1	85.2	86.2	88.6	91.2	91.7	92.9	93.8	93.9	93.9	94.3	94.3	94.4	94.4	94.4	94.4	94.4
GE 70	7.5	75.6	78.2	81.3	85.5	86.6	89.1	91.8	92.6	93.8	94.9	95.0	95.0	95.4	95.5	95.5	95.6	95.6	95.6	95.6
GE 60	7.5	73.8	76.3	81.4	85.7	86.8	89.4	92.4	93.3	94.7	95.9	96.0	96.0	96.6	96.6	96.6	96.7	96.7	96.7	96.7
GE 50	7.5	73.8	76.3	81.4	85.7	86.8	89.4	92.4	93.3	94.7	95.9	96.0	96.0	96.6	96.6	96.6	96.7	96.7	96.7	96.7
GE 40	7.5	73.8	76.3	81.4	85.7	86.8	89.4	92.4	93.3	94.7	95.9	96.0	96.0	96.6	96.6	96.6	96.7	96.7	96.7	96.7
GE 30	7.5	73.8	76.3	81.4	85.7	86.8	89.4	92.4	93.3	94.7	95.9	96.0	96.0	96.6	96.6	96.6	96.7	96.7	96.7	96.7
GE 20	7.5	73.8	76.3	81.4	85.7	86.8	89.4	92.4	93.3	94.7	95.9	96.0	96.0	96.6	96.6	96.6	96.7	96.7	96.7	96.7
GE 10	7.5	73.8	76.3	81.4	85.7	86.8	89.4	92.4	93.3	94.7	95.9	96.0	96.0	96.6	96.6	96.6	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS: 7940

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

STATION NUMBER: 726395 STATION NAME: Wurtsmith AFB MI PERIOD OF RECORD: 78-87  
 MONTH: FEB HOURS(LST): 0700-0200

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	6.3	36.7	39.6	40.2	40.5	40.5	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.4	41.4	41.4	41.7
GE 2000	6.3	40.8	41.7	42.3	42.7	42.8	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.6	43.6	43.6	44.0
GE 1800	6.3	40.9	41.8	42.4	42.8	42.9	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.7	43.7	43.7	44.1
GE 1600	6.3	40.9	41.8	42.4	42.8	42.9	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.7	43.7	43.7	44.1
GE 1400	6.3	41.1	42.1	42.7	43.0	43.1	43.7	43.9	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.0	44.3
GE 1200	6.3	41.5	42.6	43.1	43.5	43.6	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.4	44.4	44.4	44.8
GE 1000	6.6	43.4	44.8	45.4	45.7	45.9	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.7	46.7	46.7	47.0
GE 900	6.5	44.1	45.5	46.1	46.5	46.6	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.4	47.8
GE 800	6.7	46.6	48.2	48.8	49.4	49.5	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.4	50.4	50.4	50.7
GE 700	7.0	48.5	50.1	50.7	51.4	51.7	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.8
GE 600	7.1	48.8	50.5	51.1	51.8	52.0	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8	53.2
GE 500	7.6	50.0	51.8	52.4	53.2	53.4	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.7
GE 450	7.6	51.1	52.9	53.7	54.6	54.8	55.4	55.8	55.8	55.8	55.8	55.8	55.8	56.0	56.0	56.0	56.4
GE 400	7.9	54.3	56.9	58.0	59.5	59.7	60.4	61.2	61.2	61.2	61.2	61.2	61.2	61.5	61.5	61.5	61.8
GE 350	7.9	57.6	60.8	62.1	63.6	63.8	64.5	65.4	65.4	65.4	65.4	65.4	65.4	65.6	65.6	65.6	66.0
GE 300	8.9	63.6	67.1	68.7	70.7	70.9	71.7	72.8	72.8	72.8	72.8	72.8	72.8	73.0	73.0	73.0	73.4
GE 250	9.1	67.4	71.0	73.0	75.1	75.3	76.1	77.2	77.2	77.2	77.2	77.2	77.2	77.4	77.4	77.4	77.8
GE 200	9.1	69.0	72.8	75.4	79.1	78.4	80.0	81.2	81.2	81.2	81.2	81.2	81.2	81.4	81.4	81.4	81.8
GE 180	9.1	69.3	73.3	75.9	78.0	78.8	80.5	81.7	81.7	81.7	81.7	81.7	81.7	81.9	81.9	81.9	82.3
GE 160	9.1	70.9	75.3	78.0	82.2	82.5	84.6	85.9	86.1	86.2	86.2	86.2	86.2	86.4	86.4	86.4	86.8
GE 140	9.5	71.7	76.1	79.2	83.6	83.9	86.3	87.6	87.8	88.2	88.2	88.2	88.2	88.5	88.5	88.5	88.9
GE 120	9.5	72.1	76.5	79.7	84.4	84.9	87.4	89.1	89.4	89.7	89.8	89.8	89.8	90.4	90.4	90.4	90.8
GE 100	9.5	72.1	76.5	79.7	84.4	84.9	87.4	89.1	89.4	89.7	89.8	89.8	89.8	90.2	90.2	90.2	90.6
GE 80	9.5	72.3	76.6	80.0	84.3	85.2	87.7	89.5	89.7	90.3	90.5	90.5	90.5	91.3	91.3	91.3	91.6
GE 70	9.5	72.5	77.0	80.1	85.1	85.8	88.4	90.2	90.4	91.0	91.3	91.3	91.3	92.0	92.0	92.0	92.3
GE 60	9.5	72.7	77.2	80.4	85.3	86.1	88.8	90.8	91.0	91.7	92.0	92.0	92.0	92.7	92.7	92.7	93.0
GE 50	9.5	72.7	77.2	80.5	85.8	86.5	89.2	91.6	92.1	92.8	93.0	93.0	93.0	93.9	93.9	93.9	94.2
GE 40	9.5	72.7	77.2	80.9	86.3	87.4	90.1	92.7	93.3	94.0	94.2	94.3	94.3	95.3	95.3	95.3	95.6
GE 30	9.5	72.7	77.2	80.9	86.4	87.5	90.2	93.4	94.3	95.0	95.4	95.4	95.4	96.6	96.6	96.6	97.9
GE 20	9.5	72.7	77.2	80.9	86.4	87.5	90.2	93.5	94.6	95.3	95.9	96.0	96.0	97.3	97.6	97.6	98.9
GE 10	9.5	72.7	77.2	80.9	86.4	87.5	90.2	93.5	94.6	95.3	95.9	96.0	96.0	97.3	97.6	97.6	98.6

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(IST): 0300-0500

CEILING FEET	VISIBILITY IN STATUTE MILES																
	1	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	3 1/4	3 1/2	4	4 1/4	4 1/2	5	5 1/4	5 1/2
NO CEILING	6.0	37.0	37.6	38.7	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 2000	6.4	39.2	40.2	41.3	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.3	42.3	42.3
GE 1800	6.4	39.4	40.3	41.4	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.4	42.4	42.4
GE 1600	6.4	39.4	40.3	41.4	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.4	42.4	42.4	42.7
GE 1400	6.5	39.8	40.5	41.8	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.9	42.9	42.9	43.1
GE 1200	6.6	40.4	41.4	42.4	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.5	43.5	43.5	43.7
GE 1000	7.1	42.4	43.5	44.7	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.7	45.7	45.7	46.0
GE 900	7.1	42.6	43.6	44.8	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.9	45.9	45.9	46.1
GE 800	7.1	44.0	45.5	46.7	47.5	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.0	48.0	48.0	48.2
GE 700	7.1	45.0	46.6	47.8	48.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.2	49.4
GE 600	7.1	46.0	47.5	48.8	49.8	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2	50.2	50.2	50.5
GE 500	7.2	47.4	49.4	50.7	51.7	52.0	52.0	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.7
GE 450	7.2	48.5	50.6	51.9	53.3	53.7	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.3	54.3	54.3	54.5
GE 400	7.3	52.1	54.5	56.4	59.5	59.8	59.8	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.8
GE 350	7.4	56.0	58.5	60.5	63.6	63.9	64.1	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.4
GE 300	8.2	69.0	73.0	75.4	79.1	79.5	79.5	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8	80.8	81.0
GE 250	8.2	63.1	66.5	69.0	73.0	73.5	73.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9	74.9	75.2
GE 200	8.4	66.4	70.4	73.2	77.9	76.6	79.9	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.6
GE 150	8.4	66.7	71.0	73.9	78.7	79.4	80.7	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.5
GE 100	8.4	68.3	72.9	76.5	81.7	82.6	84.0	85.9	85.9	85.9	85.9	85.9	85.9	86.1	86.1	86.1	86.3
GE 75	8.7	68.8	73.4	76.6	82.7	83.7	85.5	87.6	87.6	87.6	87.6	87.6	87.6	88.2	88.2	88.2	88.5
GE 50	8.7	69.1	74.0	77.3	84.3	85.2	87.1	89.2	89.2	89.2	89.2	89.2	89.2	89.8	89.8	89.8	90.3
GE 40	8.7	69.1	74.0	77.3	84.3	85.5	87.4	89.6	89.6	89.6	89.6	89.6	89.6	90.2	90.2	90.2	90.7
GE 30	8.7	69.1	74.1	77.4	84.6	85.6	87.5	90.0	90.0	90.0	90.0	90.0	90.0	90.5	90.5	90.5	91.0
GE 20	8.7	69.3	74.3	77.8	85.0	85.9	87.8	90.3	90.3	90.3	90.3	90.3	90.3	90.9	90.9	90.9	91.4
GE 15	8.7	69.4	74.5	77.9	85.3	86.2	88.4	90.9	91.1	91.1	91.1	91.1	91.1	91.6	91.6	91.6	92.4
GE 10	8.7	69.4	74.5	77.9	85.6	86.5	89.0	91.8	92.1	92.1	92.1	92.1	92.1	93.5	93.5	93.5	94.1
GE 5	8.7	69.4	74.8	78.3	85.9	87.0	89.7	92.6	92.8	92.8	92.8	92.8	92.8	94.4	94.4	94.4	95.2
GE 3	8.7	69.4	74.8	78.3	86.1	87.1	90.1	93.9	94.1	94.1	94.1	94.1	94.1	95.4	95.4	95.4	96.8
GE 2	8.7	69.4	74.8	78.3	86.1	87.1	90.1	94.0	94.4	94.4	94.4	94.4	94.4	95.9	95.9	95.9	97.2
GE 1	8.7	69.4	74.8	78.3	86.1	87.1	90.1	94.1	94.7	94.7	94.7	94.7	94.7	96.2	96.2	96.2	97.4
GE 0	8.7	69.4	74.8	78.3	86.1	87.1	90.1	94.1	94.7	94.7	94.7	94.7	94.7	96.2	96.2	96.2	97.4

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: Wurtsmith AFB MI

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(LST): 0600-0800

CEILING

VISIBILITY IN STATUTE MILES

IN FEET	1	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	5.0	34.2	35.5	35.8	36.6	36.6	36.6	36.6	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	37.2
GE 2000	5.0	35.5	37.0	37.5	38.4	38.5	38.5	38.8	38.8	38.8	38.8	38.9	38.9	38.9	38.9	38.9	39.2
GE 1800	5.0	35.5	37.0	37.5	38.5	38.5	38.5	38.8	38.8	38.8	38.8	38.9	38.9	38.9	38.9	38.9	39.2
GE 1600	5.0	35.6	37.1	37.6	38.7	38.7	38.7	38.9	38.9	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.4
GE 1400	5.0	36.1	37.6	38.1	39.1	39.1	39.1	39.4	39.4	39.4	39.4	39.5	39.5	39.5	39.5	39.5	39.8
GE 1200	5.0	36.5	38.1	38.5	39.6	39.6	39.6	39.8	39.8	39.8	39.8	40.0	40.0	40.0	40.0	40.0	40.5
GE 1000	5.3	38.7	40.2	40.8	41.8	41.8	41.8	42.2	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.7
GE 900	5.3	38.8	40.3	40.9	42.0	42.0	42.0	42.3	42.3	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.8
GE 800	5.4	41.3	43.1	43.7	44.8	44.8	44.8	45.2	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.6
GE 700	5.2	42.9	44.8	45.4	46.5	46.5	46.5	46.9	46.9	47.0	47.0	47.2	47.2	47.2	47.2	47.2	47.5
GE 600	5.8	43.6	45.5	46.3	47.4	47.4	47.4	47.5	47.9	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.5
GE 500	5.9	45.3	47.6	48.5	49.5	49.6	49.6	49.8	50.2	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.8
GE 450	6.1	46.7	49.2	50.0	51.1	51.2	51.3	51.8	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.4
GE 400	6.6	50.2	53.1	54.3	57.3	57.4	57.4	57.9	58.6	58.7	59.0	59.1	59.1	59.2	59.2	59.2	59.6
GE 350	6.7	53.1	55.9	57.1	60.3	60.4	60.9	61.6	61.7	61.9	62.1	62.1	62.3	62.3	62.3	62.3	62.6
GE 300	7.1	57.0	60.2	61.3	64.9	65.0	65.5	66.2	66.3	66.5	66.7	66.7	66.9	66.9	66.9	66.9	67.3
GE 250	7.4	60.9	64.3	66.1	70.0	70.2	70.7	71.6	71.7	72.0	72.1	72.1	72.3	72.3	72.3	72.3	72.7
GE 200	7.9	64.8	68.7	70.4	75.2	75.4	76.4	77.5	77.7	77.9	78.0	78.0	78.3	78.3	78.3	78.3	78.6
GE 180	7.8	65.4	69.5	71.3	76.0	76.2	77.2	78.4	78.5	78.7	78.8	78.8	79.1	79.1	79.1	79.1	79.4
GE 150	8.0	67.4	72.1	74.2	77.7	79.9	81.1	82.5	83.0	83.5	83.6	83.6	83.9	83.9	83.9	83.9	84.3
GE 120	8.0	67.8	72.7	74.9	80.6	80.9	82.2	83.0	83.8	84.3	84.3	84.5	84.6	84.6	84.6	84.6	85.0
GE 110	8.0	68.0	72.9	75.4	81.7	81.7	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 100	8.0	68.1	73.0	75.5	81.4	81.4	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 90	8.0	68.4	73.5	76.0	82.0	82.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 80	8.0	68.4	73.5	76.0	82.0	82.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 70	8.0	68.4	73.5	76.0	82.0	82.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 60	8.0	68.4	73.5	76.0	82.0	82.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 50	8.0	68.8	73.9	76.6	83.2	83.6	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 40	8.0	68.8	73.9	76.7	83.5	83.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 30	8.0	68.8	73.9	76.7	83.6	84.2	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 20	8.0	68.8	73.9	76.7	83.6	84.2	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 10	8.0	68.8	73.9	76.7	83.6	84.2	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 0	8.0	68.8	73.9	76.7	83.6	84.2	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9

TOTAL NUMBER OF OBSERVATIONS: 546

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 726395 STATION NAME: WORTSMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS (LST): 0900-1100

CEILING FEET	VISIBILITY IN STATUTE MILES																
	1	10	6	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
NO CEIL	4.7	32.9	33.3	34.0	34.7	34.9	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.3
GE 2000	4.7	36.9	37.5	38.2	39.1	39.1	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.6
GE 1800	4.7	37.0	37.6	38.3	39.4	39.4	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.8
GE 1600	4.7	37.2	37.8	38.5	39.6	39.6	39.8	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.1
GE 1400	5.0	37.9	38.5	39.2	40.2	40.3	40.5	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.8
GE 1200	5.3	39.0	39.6	40.4	41.5	41.5	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	42.0
GE 1000	5.6	41.1	42.0	42.8	44.0	44.0	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.4
GE 900	5.6	41.3	42.1	42.9	44.1	44.1	44.3	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.8
GE 800	5.7	43.0	44.1	45.0	46.3	46.3	46.6	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	47.0
GE 700	5.8	44.4	45.6	46.7	48.1	48.1	48.3	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.8
GE 600	5.8	44.7	46.2	47.3	48.8	48.8	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.8
GE 500	6.0	46.0	48.2	49.3	51.1	51.1	51.4	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	52.0
GE 400	6.3	46.9	49.8	51.1	53.0	53.0	53.3	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9
GE 300	7.3	49.8	52.6	54.7	57.4	57.4	58.0	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	59.6
GE 200	7.3	51.7	55.0	57.1	59.9	60.0	60.8	61.6	61.7	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.4
GE 100	7.4	54.1	57.8	60.0	63.1	63.4	64.4	65.5	65.6	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.3
GE 2500	7.7	55.7	59.8	62.9	66.4	66.9	68.1	70.0	70.3	70.9	71.0	71.2	71.2	71.2	71.2	71.2	71.3
GE 2000	8.0	58.5	63.0	66.2	70.6	71.3	72.9	75.9	76.6	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.5
GE 1800	8.0	59.6	64.2	67.4	71.9	72.6	74.2	77.2	77.9	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.8
GE 1600	8.3	61.6	67.3	70.6	75.8	76.5	78.4	81.4	82.3	83.1	83.6	83.8	83.8	83.8	83.8	83.8	83.9
GE 1400	8.3	62.1	67.7	71.2	76.7	77.5	79.7	83.3	84.4	85.3	85.9	86.2	86.2	86.2	86.2	86.2	86.3
GE 1000	8.3	62.2	68.4	72.0	77.5	78.4	80.5	84.4	85.5	86.4	87.4	87.6	87.6	87.6	87.6	87.6	87.9
GE 900	8.3	62.3	68.4	72.3	78.0	79.0	81.1	85.1	86.2	87.1	88.1	88.3	88.3	88.3	88.3	88.3	88.8
GE 800	8.3	62.9	69.5	73.3	79.2	80.3	82.5	86.6	87.7	88.7	89.6	89.8	89.8	89.8	89.8	89.8	90.7
GE 700	8.3	62.9	69.5	73.3	79.2	80.3	82.5	86.6	87.9	88.9	89.8	89.8	89.8	89.8	89.8	89.8	91.0
GE 600	8.3	62.9	69.5	73.3	79.2	80.3	82.7	87.2	88.7	89.7	90.7	91.0	91.0	91.0	91.0	91.0	92.6
GE 500	8.3	62.9	69.5	73.4	79.4	80.4	82.9	87.7	89.1	90.4	91.7	92.2	92.2	92.2	92.2	92.2	94.1
GE 400	8.3	62.9	69.5	73.4	79.4	80.7	83.5	88.3	89.8	91.6	92.7	93.7	93.7	93.7	93.7	93.7	97.0
GE 300	8.3	62.9	69.5	73.4	79.4	80.7	83.5	88.5	90.1	92.7	95.3	96.5	96.5	96.5	96.5	96.5	99.1
GE 200	8.3	62.9	69.5	73.4	79.4	80.7	83.5	88.5	90.1	92.7	95.3	96.5	96.5	96.5	96.5	96.5	99.5
GE 100	8.3	62.9	69.5	73.4	79.4	80.7	83.5	88.5	90.1	92.7	95.3	96.5	96.5	96.5	96.5	96.5	100.0

TOTAL NUMBER OF OBSERVATIONS: 896

GLOBAL CLIMATOLOGY BRANCH

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY

USAFETAC

FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 726395 STATION NAME: WUNTSMITH AFB MI

PERIOD OF RECORD: 78-87

MONTH: FEB

HOURS(EST): 1200-1400

CEILING

VISIBILITY IN STATUTE MILES

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	4.3	31.6	32.5	32.5	32.6	32.6	32.9	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
GE 2000	4.4	36.5	37.7	37.7	37.4	37.8	38.1	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 1800	4.4	37.2	38.4	38.4	38.7	38.7	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 1600	4.4	37.4	38.5	38.5	38.8	38.8	39.0	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
GE 1400	4.6	37.7	38.9	38.9	39.1	39.1	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 1200	4.7	39.4	40.5	40.5	40.8	40.8	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 1000	5.1	41.7	43.0	43.1	43.5	43.5	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 900	5.1	41.8	43.3	43.4	44.0	44.0	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
GE 800	5.1	44.6	46.0	46.1	46.7	46.7	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 700	5.2	46.1	47.5	47.6	48.2	48.2	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 600	5.2	46.6	48.2	48.3	48.9	48.9	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 500	5.8	48.1	50.2	50.5	51.1	51.1	51.3	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 450	5.8	48.3	50.5	50.8	51.5	51.5	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 400	6.1	52.0	54.5	54.8	56.4	56.4	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 350	6.5	53.5	56.6	57.0	59.5	59.5	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 300	6.9	59.5	62.8	63.5	65.4	65.4	66.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 250	8.0	62.3	66.0	66.8	69.6	69.6	70.6	72.9	72.9	72.9	73.3	73.8	73.8	73.8	73.8	73.8
GE 200	8.0	64.1	68.4	69.4	72.3	72.3	74.0	76.2	77.4	77.4	77.8	78.3	78.3	78.5	78.5	78.5
GE 180	8.0	64.5	69.0	70.0	73.4	73.4	74.6	76.8	78.0	78.0	78.4	78.8	78.8	79.1	79.1	79.1
GE 150	8.4	66.2	71.3	72.6	76.2	76.2	78.1	81.0	82.5	82.5	83.1	83.7	83.7	83.9	83.9	83.9
GE 120	8.4	66.7	72.0	73.9	77.5	77.5	79.6	82.5	84.2	84.2	84.9	85.6	85.6	85.8	85.8	85.8
GE 100	8.4	67.1	72.8	74.7	78.5	78.5	80.7	83.7	85.5	85.5	86.3	87.0	87.0	87.2	87.2	87.2
GE 90	8.4	67.7	73.6	75.5	79.7	79.7	81.6	84.5	86.6	86.6	87.5	88.2	88.2	88.5	88.5	88.5
GE 80	8.4	67.7	73.8	75.7	79.7	79.7	82.4	85.5	87.6	87.6	88.6	89.6	89.6	90.1	90.4	90.7
GE 70	8.4	68.1	74.2	76.2	80.1	80.1	83.0	86.2	88.7	88.7	89.6	90.4	90.4	90.9	91.4	91.6
GE 60	8.4	68.1	74.2	76.2	80.4	80.4	83.2	86.8	89.5	89.5	90.5	92.1	92.4	92.9	93.4	93.7
GE 50	8.4	68.1	74.2	76.5	80.7	80.7	83.6	87.2	90.5	90.7	92.0	93.6	94.2	94.9	95.5	96.1
GE 40	8.4	68.1	74.2	76.5	80.7	80.7	83.6	87.4	91.1	91.4	93.4	95.4	96.1	96.9	97.5	98.1
GE 30	8.4	68.1	74.2	76.5	80.7	80.7	83.6	87.4	91.1	91.4	93.7	95.7	96.6	97.4	98.0	98.8
GE 20	8.4	68.1	74.2	76.5	80.7	80.7	83.6	87.4	91.1	91.4	93.7	95.7	96.6	97.4	98.1	99.1
GE 10	8.4	68.1	74.2	76.5	80.7	80.7	83.6	87.4	91.1	91.4	93.7	95.7	96.6	97.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS: 846

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WORTHSMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(EST): 1600-1700

CEILING FEET	VISIBILITY IN STATUTE MILES															
	GE	GF	GE	GF	GE	GF	GE	GF	GE	GF	GE	GF	GE	GF	GE	GF
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	2/16	1/4	0
NO CEIL	5.2	35.5	36.1	36.3	36.5	36.7	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.1	37.1
GF 2000	5.4	39.6	40.4	40.8	41.7	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.7	41.7
GF 1800	5.4	40.3	41.1	41.5	42.0	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.4	42.4
GF 1600	5.4	40.3	41.1	41.5	42.0	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.4	42.4
GF 1400	5.4	40.8	41.6	42.0	42.4	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.9	42.9
GF 1200	5.8	42.2	43.3	43.6	44.1	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.6	44.6
GF 1000	6.4	45.4	46.7	47.2	47.6	47.6	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.1	48.1
GF 900	6.4	46.0	47.3	47.6	48.2	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.7	48.7
GF 800	6.4	48.0	49.2	50.1	50.7	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.2	51.2
GF 700	6.6	48.7	50.2	50.9	51.4	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2	52.2
GF 600	6.6	49.2	50.7	51.4	52.0	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7	52.7
GF 500	7.0	50.0	51.5	52.2	53.1	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5
GF 450	7.0	50.4	52.0	52.7	53.5	53.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.3	54.3
GF 400	7.2	53.9	56.1	57.1	58.0	58.4	58.7	59.0	59.0	59.0	59.2	59.2	59.2	59.2	59.3	59.3
GF 350	7.6	57.1	59.6	60.6	61.9	62.3	62.6	63.1	63.1	63.4	63.6	63.6	63.6	63.6	63.7	63.7
GF 300	8.7	62.3	64.5	66.4	68.0	68.4	69.1	69.6	69.7	70.0	70.3	70.3	70.3	70.3	70.4	70.4
GF 250	8.7	65.4	68.6	70.4	72.0	73.0	73.8	74.2	74.3	74.6	75.2	75.2	75.2	75.2	75.3	75.3
GF 200	9.1	68.3	72.1	74.1	76.1	77.4	78.4	79.3	79.4	80.1	80.5	80.5	80.5	80.5	80.6	80.6
GF 180	9.1	69.1	73.0	74.9	77.1	78.4	79.3	80.0	80.7	81.4	81.8	81.8	81.8	81.8	81.9	81.9
GF 160	9.1	70.1	74.2	76.4	79.1	81.0	82.2	83.6	83.7	84.6	85.5	85.5	85.5	85.5	85.6	85.6
GF 140	9.1	70.6	75.3	77.8	81.1	82.7	84.2	85.7	85.6	87.0	87.8	87.8	87.8	87.8	87.9	87.9
GF 120	9.1	71.0	75.9	78.8	82.0	84.0	85.7	87.4	87.5	88.7	89.5	89.5	89.5	89.5	89.6	89.6
GF 100	9.1	71.2	76.1	79.1	82.4	84.3	85.9	88.3	88.5	90.0	91.0	91.1	91.1	91.1	91.3	91.3
GF 90	9.1	71.2	76.2	79.4	83.0	84.9	86.9	89.7	90.1	91.6	93.0	93.3	93.5	93.5	93.6	93.6
GF 80	9.1	71.2	76.2	79.7	83.7	85.5	87.5	90.4	90.9	92.9	94.1	94.4	94.7	94.9	95.0	95.2
GF 70	9.1	71.2	76.2	79.7	83.7	85.5	87.5	90.4	90.9	92.9	94.2	94.7	95.2	95.2	95.3	95.4
GF 60	9.1	71.2	76.2	79.7	83.7	85.5	87.6	90.5	91.1	93.1	94.7	95.3	95.7	95.7	96.0	96.1
GF 50	9.1	71.2	76.2	79.7	83.7	85.7	87.9	91.1	91.7	94.0	95.6	96.3	96.8	96.8	97.0	97.2
GF 40	9.1	71.2	76.2	79.7	83.7	85.7	88.1	91.6	92.3	94.7	96.7	97.5	98.6	98.6	98.9	99.1
GF 30	9.1	71.2	76.2	79.7	83.7	85.7	89.1	91.6	92.3	94.8	96.9	97.8	99.2	99.2	99.6	99.8
GF 20	9.1	71.2	76.2	79.7	83.7	85.7	88.1	91.6	92.3	94.6	96.9	97.8	99.2	99.2	99.6	99.9
GF 10	9.1	71.2	76.2	79.7	83.7	85.7	88.1	91.6	92.3	94.6	96.9	97.8	99.2	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS: 346



GLOBAL CLIMATOLOGY BRANCH  
USAF/AC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726355

STATION NAME: Wurtsmith AFB MI

PERIOD OF RECORD: 76-87

MONTH: FEB

HOURS (LST): 1800-2000

CEILING

VISIBILITY IN STATUTE MILES

	IN FEET	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
NO CEIL	5.6	39.0	39.2	39.4	40.0	40.0	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
CE 2000	6.4	43.1	43.4	43.6	44.3	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	44.4	44.4
CE 1800	6.4	43.6	44.0	44.1	44.7	44.5	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
CE 1600	6.4	43.7	44.1	44.2	45.0	45.0	45.0	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
CE 1400	6.4	43.9	44.4	44.6	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
CE 1200	6.4	44.2	44.8	44.9	45.7	45.7	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
CE 1000	7.0	48.3	48.9	49.3	50.1	50.1	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
CE 900	7.0	49.4	50.0	50.4	51.2	51.2	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
CE 800	7.4	52.2	53.0	53.3	54.3	54.3	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
CE 700	7.6	53.2	54.0	54.6	56.0	56.0	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
CE 600	7.6	54.0	54.8	55.4	56.9	56.9	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
CE 500	7.6	54.6	55.6	56.4	58.1	58.0	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
CE 450	7.6	55.0	56.1	57.1	58.7	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
CE 400	8.0	58.9	60.5	62.1	63.8	63.9	64.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
CE 350	8.6	62.1	64.1	65.7	67.5	67.6	68.2	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
CE 300	9.0	64.8	67.0	68.8	71.3	71.4	72.3	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
CE 250	9.0	67.1	70.0	72.6	75.4	76.0	77.3	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
CE 200	9.0	69.7	72.3	74.6	78.3	79.1	80.4	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
CE 180	9.1	69.4	73.2	75.5	79.3	80.3	81.6	82.5	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
CE 160	9.1	70.2	74.3	77.2	81.2	82.4	84.2	85.5	85.9	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
CE 150	9.1	70.2	74.8	77.7	81.8	83.0	84.9	86.5	87.0	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
CE 140	9.1	70.4	75.2	78.1	82.5	83.7	85.6	87.2	87.7	88.5	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
CE 130	9.1	70.8	75.5	78.5	83.1	84.2	86.3	87.9	88.4	89.2	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
CE 120	9.1	71.2	76.0	79.0	83.7	84.8	87.5	89.2	89.7	90.8	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
CE 110	9.1	71.2	76.0	79.0	84.0	85.2	88.1	90.2	91.0	92.3	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
CE 100	9.1	71.2	76.0	79.0	84.0	85.2	88.1	90.2	91.0	92.3	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
CE 90	9.1	71.2	76.0	79.0	84.0	85.5	88.5	91.1	92.0	93.3	94.0	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
CE 80	9.1	71.2	76.0	79.0	84.0	85.6	89.0	92.7	93.7	95.4	96.1	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
CE 70	9.1	71.2	76.0	79.0	84.0	85.7	89.1	92.9	94.4	96.1	97.5	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
CE 60	9.1	71.3	76.1	79.1	84.4	85.8	89.2	93.0	94.6	96.2	97.6	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
CE 50	9.1	71.3	76.1	79.1	84.4	85.8	89.2	93.0	94.6	96.2	97.6	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
CE 40	9.1	71.3	76.1	79.1	84.4	85.8	89.2	93.0	94.6	96.2	97.6	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
CE 30	9.1	71.3	76.1	79.1	84.4	85.8	89.2	93.0	94.6	96.2	97.6	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
CE 20	9.1	71.3	76.1	79.1	84.4	85.8	89.2	93.0	94.6	96.2	97.6	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9
CE 10	9.1	71.3	76.1	79.1	84.4	85.8	89.2	93.0	94.6	96.2	97.6	98.2	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS: 646

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 726195 STATION NAME: WUPRTSMITH AFB MI

PERIOD OF RECORD: 7A-87  
MONTH: FEB HOURLY: 2100-2300

FORM 111

CEILING FEET	VISIBILITY IN STATUTE MILES																			
	1	1/2	5/8	3/4	7/8	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8
NO CEIL	7.0	40.9	41.5	41.7	42.0	42.0	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.7	42.7	42.7	42.7	42.7	42.7
GF 1000	7.1	42.6	43.4	43.6	43.9	43.9	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.6	44.6	44.6	44.6	44.6	44.6
GF 1000	7.1	43.1	43.7	44.0	44.2	44.2	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.9	44.9	44.9	44.9	44.9	44.9
GF 1000	7.1	43.1	43.7	44.0	44.2	44.2	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.9	44.9	44.9	44.9	44.9	44.9
GF 1000	7.1	43.6	44.2	44.4	44.7	44.7	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.4	45.4	45.4	45.4	45.4	45.4
GF 1000	7.1	43.9	44.4	44.7	44.9	44.9	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.6	45.6	45.6	45.6	45.6	45.6
GF 1000	7.2	46.7	47.4	47.6	48.1	48.0	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.7	48.7	48.7	48.7	48.7	48.7
GF 900	7.2	47.4	48.1	48.3	48.6	48.6	48.8	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.5	49.5	49.5	49.5	49.5	49.5
GF 800	7.2	50.1	50.8	51.2	51.7	51.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.4	52.4	52.4	52.4	52.4	52.4
GF 700	7.2	51.4	52.1	52.8	53.4	53.4	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.3	54.3	54.3	54.3	54.3	54.3
GF 600	7.3	52.1	52.8	53.5	54.1	54.1	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	55.0	55.0	55.0	55.0	55.0	55.0
GF 500	7.6	52.8	53.5	54.3	55.4	55.4	55.5	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.3	56.3	56.3	56.3	56.3	56.3
GF 400	7.6	54.4	55.1	55.8	57.1	57.0	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3
GF 300	8.2	59.3	61.1	62.4	63.8	63.8	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.6	65.6	65.6	65.6	65.6	65.6
GF 200	8.3	62.4	64.3	65.6	67.3	67.3	68.2	68.7	68.7	68.7	68.7	68.7	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0
GF 100	8.6	65.8	67.8	69.3	70.9	70.9	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.7	72.7	72.7	72.7	72.7	72.7
GF 100	8.4	68.1	70.6	72.0	74.0	74.0	75.4	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.5	76.5	76.5	76.5	76.5	76.5
GF 100	8.4	70.2	73.0	74.7	77.4	77.4	79.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.4	80.4	80.4	80.4	80.4	80.4
GF 100	8.4	70.6	73.4	75.1	78.4	78.4	80.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.8	81.8	81.8	81.8	81.8	81.8
GF 100	8.7	72.2	75.2	77.2	82.3	83.1	84.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4	87.1	87.1	87.1	87.1	87.1	87.1
GF 100	8.7	72.7	76.1	78.1	83.5	84.3	86.2	87.7	87.7	87.7	87.7	87.7	87.7	88.2	88.3	88.3	88.3	88.3	88.3	88.3
GF 100	8.7	73.0	76.6	78.6	84.2	85.1	87.1	88.7	88.7	88.7	88.7	88.7	88.7	89.2	89.5	89.5	89.5	89.5	89.5	89.5
GF 100	8.7	73.0	76.6	78.6	84.2	85.2	87.2	88.9	88.9	88.9	88.9	88.9	88.9	89.6	89.8	89.8	89.8	89.8	89.8	89.8
GF 100	8.7	73.3	76.8	78.8	84.5	85.6	87.7	89.5	89.5	89.5	89.5	89.5	89.5	90.2	90.4	90.4	90.4	90.4	90.4	90.4
GF 100	8.7	73.3	76.8	78.8	84.5	85.1	86.2	88.5	88.5	88.5	88.5	88.5	88.5	90.5	91.3	91.3	91.3	91.3	91.3	91.3
GF 100	8.7	73.4	77.3	79.4	85.7	86.3	88.9	91.0	91.1	91.1	91.1	91.1	91.1	92.0	92.3	92.4	92.4	92.4	92.4	92.4
GF 100	8.7	73.4	77.3	79.4	85.3	86.5	89.4	91.8	92.1	92.1	92.1	92.1	92.1	93.0	93.5	93.6	93.6	93.6	93.6	93.6
GF 100	8.7	73.4	77.3	79.6	85.4	86.9	90.4	93.4	94.1	94.1	94.1	94.1	94.1	95.3	95.7	95.9	95.9	95.9	95.9	95.9
GF 100	8.7	73.4	77.3	79.6	85.5	86.9	90.5	94.0	95.0	95.0	95.0	95.0	95.0	96.5	97.4	97.5	97.5	97.5	97.5	97.5
GF 100	8.7	73.4	77.3	79.6	85.5	86.9	90.5	94.1	95.2	95.2	95.2	95.2	95.2	96.6	97.6	97.9	97.9	97.9	97.9	97.9
GF 100	8.7	73.4	77.3	79.6	85.5	86.9	90.5	94.1	95.2	95.2	95.2	95.2	95.2	96.6	97.6	97.9	97.9	97.9	97.9	97.9
TOTAL	8.7	73.4	77.3	79.6	85.5	86.9	90.5	94.1	95.2	95.2	95.2	95.2	95.2	96.6	97.6	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS: 546

REGIONAL CLIMATOLOGY BRANCH  
WAFSLIAC  
AIR WEATHER SERVICE/PAAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: Wurtsmith AFB MI

PERIOD OF RECORD: 78-87  
MONTH: FEB HOURS(UT): ALL

CEILING FEET	VISIBILITY IN STATUTE MILES																	
	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8
NO CELL	5.5	36.2	36.9	37.3	37.8	37.9	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.4
GE 2000	5.7	39.3	40.2	40.6	41.0	41.3	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.7	41.7	41.7	41.5
GE 1800	5.7	39.6	40.5	40.9	41.0	41.6	41.8	41.9	41.9	41.9	41.9	42.0	42.0	42.0	42.1	42.1	42.1	42.2
GE 1600	5.7	39.7	40.6	41.0	41.7	41.7	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.1	42.1	42.1	42.2
GE 1400	5.8	40.1	41.0	41.5	42.1	42.2	42.3	42.4	42.4	42.4	42.4	42.4	42.5	42.5	42.5	42.5	42.6	42.7
GE 1200	5.9	40.9	41.8	42.3	42.9	43.0	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.4	43.4	43.4	43.5
GE 1000	6.3	43.5	44.0	45.1	45.3	45.8	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.3	46.3	46.3	46.4
GE 900	6.3	43.9	45.0	45.6	46.1	46.4	46.5	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.8	46.8	46.8	47.0
GE 800	6.4	46.2	47.5	48.1	48.9	49.0	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5	49.6
GE 700	6.5	47.5	48.9	49.6	50.1	50.6	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.3
GE 600	6.6	48.2	49.5	50.3	51.0	51.3	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	52.0
GE 500	6.8	49.3	51.0	51.8	52.9	53.0	53.2	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.6	53.6	53.6	53.8
GE 450	6.9	50.1	52.0	52.9	54.1	54.2	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.0	55.0	55.0	55.1
GE 400	7.4	53.8	56.2	57.5	59.5	59.6	60.1	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.9	60.9	61.0	61.1
GE 350	7.6	56.7	59.3	60.7	62.9	63.0	63.6	64.2	64.3	64.4	64.5	64.5	64.5	64.5	64.6	64.6	64.6	64.7
GE 300	8.2	60.9	63.8	65.4	68.5	68.6	69.2	69.8	69.8	69.8	69.8	69.8	69.8	69.8	70.1	70.1	70.2	70.3
GE 250	8.3	63.7	67.2	69.1	72.0	72.5	73.4	74.3	74.4	74.6	74.9	74.8	74.8	74.9	74.9	74.9	74.9	75.1
GE 200	8.5	66.3	70.1	72.3	75.1	76.5	77.9	79.2	79.4	79.6	79.8	79.8	79.8	79.8	79.9	79.9	79.9	80.1
GE 180	8.5	66.8	70.8	73.0	76.7	77.4	78.8	80.2	80.4	80.7	80.8	80.8	80.8	80.8	81.0	81.0	81.0	81.1
GE 160	8.6	68.4	72.8	75.3	79.8	80.8	82.5	84.2	84.5	85.0	85.3	85.3	85.3	85.4	85.4	85.5	85.5	85.6
GE 140	8.7	68.8	73.1	76.2	80.9	81.9	83.9	86.0	86.3	87.0	87.4	87.4	87.4	87.6	87.6	87.6	87.6	87.7
GE 120	8.7	69.1	74.0	76.8	81.9	83.0	85.0	87.2	87.5	88.3	88.7	88.8	88.8	89.0	89.1	89.1	89.1	89.3
GE 100	8.7	69.3	74.3	77.1	82.2	83.3	85.4	87.8	88.1	88.9	89.5	89.5	89.5	89.8	89.8	89.9	89.9	90.1
GE 90	8.7	69.5	74.6	77.5	82.7	83.9	86.2	88.7	89.1	90.0	90.6	90.6	90.6	91.0	91.1	91.2	91.2	91.3
GE 80	8.7	69.6	74.7	77.7	83.1	84.3	86.6	89.3	89.8	90.8	91.3	91.3	91.3	91.5	91.5	91.5	91.5	91.6
GE 70	8.7	69.7	74.8	77.7	83.1	84.4	87.0	89.8	90.3	91.4	92.1	92.1	92.1	92.3	92.3	92.3	92.3	92.4
GE 60	8.7	69.7	74.9	77.9	83.4	84.8	87.4	90.6	91.2	92.4	93.0	93.0	93.0	93.5	93.5	93.5	93.5	93.6
GE 50	8.7	69.7	74.9	78.0	83.6	85.1	88.0	91.5	92.4	93.5	94.2	94.2	94.2	94.9	94.9	94.9	94.9	95.1
GE 40	8.7	69.7	74.9	78.0	83.7	85.2	88.2	92.2	93.2	95.0	96.4	96.4	96.4	97.6	97.6	97.6	97.6	97.6
GE 30	8.7	69.7	74.9	78.0	83.7	85.2	88.2	92.3	93.3	95.1	96.6	96.6	96.6	97.7	97.7	97.7	97.7	97.7
GE 20	8.7	69.7	74.9	78.0	83.7	85.2	88.2	92.3	93.3	95.2	96.7	96.7	96.7	98.2	98.2	98.2	98.2	98.2

TOTAL NUMBER OF OBSERVATIONS: 6768

GLOBAL CLIMATOLOGY BRANCH  
 USAF/AFAC  
 AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WOODRIFTH AFB MI

PERIOD OF RECORD: 79-87  
 MONTH: MAR HOURS(IST): 0000-0200

CEILING FEET	VISIBILITY IN STATUTE MILES															
	10	6	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
NO CEILING	5.1	46.1	47.3	47.5	47.9	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.4	48.4
GF 2000	5.1	48.1	49.2	49.5	49.9	50.0	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.5	50.5
GF 1800	5.1	48.3	49.5	49.7	50.0	50.2	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.8	50.8
GF 1600	5.1	48.5	49.7	49.9	50.2	50.4	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.9	50.9	51.0
GF 1400	5.1	48.5	49.7	50.0	50.3	50.5	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	51.1	51.1
GF 1200	5.1	48.6	49.8	50.1	50.4	50.6	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.2	51.2
GF 1000	5.1	50.3	51.5	52.0	52.4	52.6	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	53.1	53.1
GF 900	5.1	50.6	51.8	52.4	52.7	52.9	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.4	53.4	
GF 800	5.1	52.2	53.7	54.3	54.7	54.9	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.6	55.6
GF 700	5.1	53.9	55.6	56.2	56.5	57.0	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.6	57.6
GF 600	5.1	54.9	56.7	57.3	57.5	58.1	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.7	58.7
GF 500	5.1	57.3	59.1	59.8	60.3	60.5	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.2	61.2
GF 400	5.1	59.2	61.2	61.8	62.4	62.6	62.8	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.2	63.2
GF 300	5.1	64.1	66.7	67.0	67.5	68.1	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.8	68.8
GF 200	5.1	65.6	68.0	68.9	69.4	70.0	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.8	70.8
GF 100	5.1	69.5	71.7	73.1	74.2	74.6	75.1	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.6	75.6
GF 2000	5.1	73.3	76.2	77.8	79.0	79.5	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.5	80.5
GF 1800	5.1	74.2	77.1	78.7	80.4	80.9	81.7	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.3	82.3
GF 1600	5.1	74.7	78.0	79.6	81.3	81.7	82.6	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.4	83.4
GF 1400	5.1	75.6	79.4	81.0	82.9	83.3	84.3	84.8	84.9	85.1	85.2	85.2	85.2	85.2	85.4	85.4
GF 1200	5.1	76.7	80.3	82.2	84.7	85.2	86.1	86.7	86.8	86.9	87.1	87.1	87.1	87.2	87.4	87.4
GF 1000	5.1	77.0	80.8	83.1	85.8	86.2	87.4	88.0	88.1	88.2	88.2	88.2	88.2	88.2	88.4	88.4
GF 900	5.1	77.4	81.2	83.7	86.3	86.7	88.1	88.7	88.8	88.8	88.8	88.8	88.8	88.8	89.0	89.0
GF 800	5.1	77.4	81.2	83.8	86.7	87.1	88.5	89.2	89.6	89.9	90.6	90.6	90.6	90.8	91.0	91.0
GF 700	5.1	77.4	81.3	83.9	86.9	87.5	89.1	89.9	90.2	90.5	91.3	91.3	91.4	91.4	91.6	91.6
GF 600	5.1	77.4	81.4	84.0	87.1	87.6	89.8	90.5	90.9	91.2	91.9	91.9	92.0	92.0	92.3	92.3
GF 500	5.1	77.4	81.5	84.4	87.7	89.1	91.5	92.7	93.0	93.4	94.5	94.5	94.5	94.6	94.6	94.8
GF 400	5.1	77.4	81.5	84.5	88.1	89.4	92.3	94.0	94.5	95.1	96.1	96.1	96.2	96.2	96.5	96.5
GF 300	5.1	77.4	81.5	84.5	88.1	89.4	92.9	94.9	95.6	96.2	97.6	97.6	97.6	97.6	98.0	98.0
GF 200	5.1	77.4	81.5	84.5	88.0	89.4	93.1	95.2	95.9	96.7	98.3	98.4	98.4	98.9	99.3	99.3
GF 100	5.1	77.4	81.5	84.5	88.0	89.4	93.1	95.2	95.9	96.7	98.3	98.4	98.4	98.9	99.3	99.3

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: 726395

STATION NAME: Wurtsmith AFB MI

PERIOD OF RECORD: 78-87

MONTH: MAR

HOURS(EST): 0100-0500

CEILING	VISIBILITY IN STATUTE MILES																			
	10	9	8	7	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	2/10	1/4	0	
NO CEIL	4.2	45.5	46.2	46.8	47.2	47.3	47.7	47.7	47.8	48.0	49.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.5	
GE 2000	4.3	47.4	48.2	48.7	49.1	49.2	49.9	49.9	50.0	50.1	50.2	50.2	50.3	50.3	50.3	50.4	50.4	50.4	50.8	
GE 1800	4.3	47.5	48.3	48.8	49.2	49.4	50.0	50.0	50.1	50.2	50.3	50.4	50.5	50.5	50.6	50.6	50.6	50.6	51.0	
GE 1600	4.2	47.7	48.5	49.0	49.5	49.6	50.2	50.2	50.3	50.4	50.5	50.5	50.5	50.5	50.9	50.9	51.0	51.0	51.3	
GE 1400	4.2	48.1	48.8	49.4	49.8	49.9	50.5	50.5	50.6	50.8	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.3	
GE 1200	4.3	49.1	50.0	50.5	51.1	51.1	51.7	51.7	51.8	51.9	52.0	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.5	
GE 1000	4.2	49.6	50.4	51.0	51.4	51.5	52.2	52.2	52.3	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.9	
GE 900	4.3	51.4	52.5	53.0	53.4	53.5	54.2	54.2	54.3	54.4	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.9	
GE 800	4.5	52.8	54.0	54.7	55.3	55.4	56.0	56.0	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.8	
GE 700	4.6	53.7	54.8	55.6	56.1	56.2	56.9	56.9	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.6	
GE 600	4.7	55.7	57.1	57.8	58.5	58.6	59.2	59.2	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	60.0	
GE 500	5.2	57.8	59.2	60.0	60.6	60.6	61.4	61.4	61.5	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	62.2	
GE 400	5.2	61.8	63.4	64.3	65.0	65.0	66.0	66.0	66.9	66.9	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.6	
GE 350	5.3	62.9	64.6	65.5	66.4	66.4	67.2	67.2	68.2	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.9	
GE 300	5.7	65.9	67.8	69.0	70.0	70.0	71.2	71.2	72.2	72.2	72.3	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.9	
GE 250	5.3	68.7	71.0	73.5	75.3	75.7	76.8	76.9	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.6	
GE 200	5.3	70.5	74.3	76.1	78.0	78.4	79.8	80.4	80.5	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	81.2	
GE 180	5.3	73.6	74.7	76.8	78.6	79.0	80.4	81.1	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.8	
GE 160	5.3	72.8	77.1	79.2	81.4	82.4	84.0	84.8	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.6	
GE 140	5.3	73.5	77.8	80.2	82.4	83.3	84.9	85.9	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.6	
GE 120	5.3	74.3	78.6	81.4	83.5	84.7	86.5	87.5	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	88.2	
GE 100	5.3	74.7	79.1	81.9	84.1	85.4	87.2	88.3	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	89.0	
GE 90	5.3	74.7	79.2	82.2	84.4	85.8	87.6	88.7	88.8	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.8	
GE 80	5.3	74.7	79.2	82.2	84.4	85.8	87.6	88.7	88.8	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.8	
GE 70	5.7	74.7	79.2	82.2	84.4	85.8	87.6	88.7	88.8	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	90.0	
GE 60	5.3	74.8	79.7	82.7	85.0	87.0	89.7	91.5	92.0	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.2	
GE 50	5.7	74.8	79.7	82.7	85.0	87.2	90.5	93.0	93.9	94.4	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.5	
GE 40	5.3	74.8	79.7	82.9	85.0	87.7	91.4	94.2	95.2	95.7	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	97.0	
GE 30	5.3	74.8	79.7	82.9	85.0	87.7	91.6	94.5	95.6	96.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	98.0	
GE 20	5.2	74.8	79.8	82.9	85.0	87.7	91.6	94.5	95.6	96.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	98.0	
GE 10	5.3	74.8	79.8	82.9	85.0	87.7	91.6	94.5	95.6	96.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	98.0	

TOTAL NUMBER OF OBSERVATIONS: 9311

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WUDTSMITH APP MI

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 0600-0600

CEILING	VISIBILITY IN STATUTE MILES																	
	IN FEET	GE 1	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	4.2	40.6	41.8	42.4	43.4	43.4	43.7	44.0	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.2
GF 2000	4.3	43.1	44.9	45.6	46.4	46.8	47.1	47.5	47.5	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 1800	4.3	43.1	44.9	45.6	46.9	46.9	47.2	47.6	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GF 1600	4.3	43.2	45.1	45.7	47.0	47.0	47.3	47.7	47.7	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	48.1
GE 1400	4.3	43.4	45.3	45.9	47.2	47.2	47.5	48.0	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.3
GF 1200	4.3	43.4	45.3	45.9	47.2	47.2	47.5	48.0	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.3
GE 1000	4.3	45.1	47.1	47.6	48.9	48.9	49.2	49.7	49.7	49.7	49.7	49.8	49.8	49.8	49.8	49.8	49.8	50.0
GE 900	4.3	45.6	47.6	48.3	49.6	49.6	49.9	50.3	50.3	50.3	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.6
GF 800	4.6	48.0	50.2	51.1	52.4	52.5	52.9	53.3	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.7
GE 700	4.7	49.0	51.4	52.3	53.7	53.8	54.3	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	55.1
GF 600	4.7	49.5	51.8	52.8	54.7	54.4	54.9	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.7
GE 500	4.8	51.2	53.9	55.2	56.9	57.0	57.5	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.3
GF 450	4.8	52.8	55.6	56.9	58.7	58.8	59.4	59.9	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.3
GE 400	4.8	57.7	60.6	62.5	64.5	64.6	65.3	65.9	65.9	65.9	65.9	66.1	66.1	66.1	66.2	66.2	66.2	66.5
GF 350	4.8	59.1	62.4	64.2	66.2	66.3	67.0	67.6	67.6	67.6	67.6	67.8	67.8	67.8	68.0	68.0	68.0	68.2
GE 300	5.1	61.3	65.1	67.0	69.7	69.6	70.2	70.9	70.9	70.9	70.9	71.1	71.1	71.1	71.2	71.2	71.2	71.4
GE 250	5.1	64.7	69.1	71.3	73.9	74.1	74.8	75.5	75.5	75.5	75.5	75.7	75.7	75.8	75.8	75.8	75.8	76.0
GF 200	5.1	67.4	72.0	74.3	77.4	77.6	78.5	79.4	79.4	79.4	79.4	79.6	79.6	79.7	79.7	79.7	79.7	79.9
GE 180	5.1	68.0	72.7	75.1	78.7	78.4	79.2	80.1	80.1	80.1	80.1	80.3	80.3	80.4	80.4	80.4	80.4	80.6
GF 150	5.1	69.7	74.6	77.0	80.1	80.4	81.7	83.0	83.0	83.0	83.0	83.2	83.2	83.3	83.3	83.3	83.3	83.5
GE 120	5.1	70.5	75.5	78.1	81.5	81.5	82.8	84.1	84.1	84.1	84.1	84.3	84.3	84.4	84.4	84.4	84.4	84.6
GE 100	5.1	71.3	76.2	79.1	82.6	82.9	84.3	85.7	85.7	85.7	85.7	85.9	86.2	86.3	86.3	86.3	86.3	86.6
GF 90	5.1	72.0	77.1	80.1	83.7	84.1	85.5	87.0	87.0	87.0	87.0	87.2	87.5	87.6	87.6	87.6	87.6	88.0
GE 80	5.1	72.2	77.3	80.4	84.7	84.8	86.3	87.8	87.8	87.8	87.8	88.4	88.7	88.8	88.8	88.8	88.8	89.1
GF 70	5.1	72.3	77.4	80.5	84.9	85.1	86.6	88.2	88.3	88.3	88.3	88.9	89.2	89.4	89.4	89.4	89.4	89.7
GE 60	5.1	72.3	77.4	80.6	84.9	85.5	87.1	89.0	89.0	89.0	89.2	89.2	89.1	89.4	89.9	89.9	89.9	90.3
GF 50	5.1	72.3	77.7	81.0	85.8	86.8	88.5	91.6	92.0	92.2	92.2	93.1	93.4	94.0	94.0	94.0	94.0	94.5
GE 40	5.1	72.3	77.7	81.2	86.2	87.2	89.2	92.8	93.3	93.8	94.7	95.1	95.8	95.8	95.8	95.8	95.9	96.6
GF 30	5.1	72.4	78.1	81.5	86.7	87.5	89.8	93.7	94.2	94.7	94.7	94.2	96.6	97.4	97.4	97.4	97.6	98.6
GE 20	5.1	72.4	78.1	81.5	86.6	87.5	89.8	93.7	94.2	94.7	94.7	94.2	96.6	97.8	97.8	97.8	98.2	99.4
GF 10	5.1	72.4	78.1	81.5	86.6	87.5	89.8	93.7	94.2	94.7	94.7	94.2	96.6	97.8	97.8	97.8	98.0	99.7

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: 726395 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LEST): 0900-1100

CEILING

VISIBILITY IN STATUTE MILES

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	5.5	41.4	42.0	42.4	42.7	42.7	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GF 2000	5.6	45.1	45.8	46.2	46.7	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 1800	5.6	45.2	45.9	46.3	47.0	47.0	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
GE 1600	5.6	45.5	46.2	46.7	47.3	47.3	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 1400	5.6	45.8	46.6	47.0	47.7	47.7	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
GE 1200	5.6	46.1	46.9	47.3	48.1	48.1	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
GE 1000	5.7	47.5	48.3	48.7	49.6	49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 900	5.7	48.0	48.7	49.1	50.0	50.0	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 800	5.7	49.9	51.0	51.4	52.3	52.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 700	5.9	51.0	52.0	52.6	53.5	53.5	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 600	5.9	51.4	52.5	53.0	54.0	54.0	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 500	6.0	53.1	54.6	55.3	56.5	56.5	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 450	6.0	54.4	56.2	57.1	58.3	58.3	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
GE 400	6.2	58.5	60.6	61.6	63.2	63.3	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 350	6.5	60.2	62.5	63.4	65.2	65.4	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 300	6.8	63.0	65.8	67.0	69.2	69.5	70.8	71.2	71.2	71.2	71.4	71.4	71.4	71.5	71.5	71.5
GE 250	6.9	65.3	68.4	69.8	72.4	72.6	74.2	74.9	74.9	75.3	75.3	75.3	75.4	75.4	75.4	75.4
GE 200	7.1	69.0	72.8	74.3	76.9	77.1	78.8	79.6	79.6	79.9	80.0	80.0	80.2	80.2	80.2	80.2
GE 150	7.1	69.7	73.5	75.1	77.4	77.8	79.6	80.3	80.3	80.6	80.8	80.8	81.0	81.0	81.0	81.0
GE 100	7.2	71.4	75.5	77.2	80.8	81.1	83.0	84.0	84.2	84.5	84.8	84.8	85.1	85.1	85.1	85.1
GE 50	7.2	72.0	76.1	77.8	81.5	82.0	84.3	85.3	85.5	85.9	86.2	86.2	86.5	86.5	86.5	86.5
GE 1000	7.2	72.4	76.7	78.6	82.0	83.3	85.8	86.9	87.1	87.5	88.0	88.0	88.2	88.2	88.2	88.2
GE 900	7.2	72.6	77.2	79.1	83.4	84.0	86.8	87.8	88.3	88.7	89.1	89.1	89.4	89.4	89.4	89.4
GE 800	7.2	73.2	77.6	79.6	84.7	84.6	87.6	88.7	89.1	89.6	90.0	90.0	90.2	90.2	90.2	90.2
GE 700	7.2	73.7	78.1	80.2	84.9	85.6	88.4	89.8	90.3	90.8	91.2	91.2	91.4	91.4	91.4	91.4
GE 600	7.2	73.7	78.3	80.6	85.5	86.1	89.2	91.2	91.7	92.3	93.0	93.0	93.2	93.2	93.2	93.2
GE 500	7.2	73.7	78.5	80.9	85.6	86.7	90.1	92.7	93.3	93.9	94.6	94.6	95.2	95.4	95.4	95.4
GE 400	7.2	73.6	78.7	81.2	86.2	87.1	90.6	93.7	94.5	95.2	96.1	96.1	96.7	96.9	97.0	97.2
GE 300	7.2	73.8	78.7	81.2	86.3	87.1	90.6	93.9	94.8	95.7	97.1	97.1	98.0	98.2	98.4	98.8
GE 200	7.2	73.8	78.7	81.2	86.2	87.1	90.8	94.0	94.9	95.8	97.2	97.3	98.4	98.6	98.9	99.6
GE 100	7.2	73.8	78.7	81.2	86.2	87.1	90.8	94.0	94.9	95.8	97.2	97.3	98.5	98.7	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): 1700-1900

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	GE	
NO CEIL	6.6	42.7	43.1	43.1	43.7	43.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
GE 2000	6.2	46.7	47.2	47.2	47.6	47.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 1800	6.2	47.0	47.6	47.6	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 1600	6.2	47.0	47.6	47.6	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 1400	6.2	47.4	48.1	48.1	48.8	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
GE 1200	6.2	48.1	48.7	48.7	49.5	49.5	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 1000	6.2	49.4	50.0	50.0	50.8	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 900	6.2	50.0	50.6	50.6	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 800	6.4	52.2	52.8	52.8	53.8	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 700	6.7	53.1	53.8	53.8	54.7	54.7	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 600	7.0	54.0	54.6	54.6	55.6	55.6	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 500	7.1	55.1	55.7	55.7	56.4	57.0	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 450	7.2	55.9	56.6	56.6	57.8	58.2	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 400	7.2	60.4	61.1	61.1	63.3	63.3	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 350	7.3	62.9	63.8	64.7	66.0	66.3	66.9	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 300	8.0	68.1	69.0	70.1	71.7	72.2	72.8	73.1	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 250	8.0	71.4	73.0	74.2	76.1	76.6	77.5	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 200	8.0	74.3	76.2	77.7	79.9	80.5	81.4	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 150	8.0	74.9	76.9	78.4	80.8	81.3	82.3	82.7	82.8	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 100	8.0	76.9	79.7	82.0	84.6	85.3	86.6	87.2	87.3	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GE 50	8.0	77.5	80.4	83.1	85.9	86.7	88.4	89.1	89.2	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 40	8.0	78.1	81.1	84.0	87.0	88.0	89.7	90.6	90.8	91.8	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 30	8.0	78.8	81.8	84.7	87.8	88.8	90.5	91.6	91.7	92.5	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 20	8.0	79.4	82.5	85.4	88.7	89.7	91.5	92.6	92.7	93.8	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 10	8.0	79.4	82.6	85.5	89.0	89.8	91.7	92.9	93.0	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 5	8.0	79.4	82.6	85.5	88.8	89.8	92.0	93.8	93.9	95.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 0	8.0	79.5	82.7	85.8	89.5	90.5	93.0	94.7	94.8	96.2	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 0	8.0	79.5	82.8	85.8	89.5	90.5	93.1	95.1	95.3	96.7	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
GE 0	8.0	79.6	82.9	85.9	89.6	90.6	93.2	95.5	95.8	97.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 0	8.0	79.6	82.9	85.9	89.6	90.6	93.3	95.6	96.0	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 0	8.0	79.6	82.9	85.9	89.6	90.6	93.3	95.6	96.0	97.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS: 935



GLOBAL CLIMATOLOGY BRANCH  
USAF/ATC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 726395 STATION NAME: Wurtsmith AFB MI

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LEST): 1500-1700

CEILING

VISIBILITY IN STATUTE MILES

IN FEET	10	6	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
NO CEIL	4.6	43.3	43.9	44.1	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 2000	6.1	48.7	49.4	49.6	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 1800	6.1	49.6	50.2	50.4	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0
GE 1600	6.1	49.6	50.2	50.4	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0
GE 1400	6.1	50.1	50.8	51.0	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5
GE 1200	6.2	51.1	51.9	52.3	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.8	52.8	52.8
GE 1000	6.3	52.6	53.5	53.9	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4
GE 900	6.3	53.5	54.5	54.8	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.4
GE 800	6.5	55.9	56.9	57.5	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1
GE 700	6.7	57.3	58.5	59.1	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.7	59.7	59.7
GE 600	6.8	58.1	59.4	60.0	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5
GE 500	6.8	58.9	60.2	61.1	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6	61.6	61.6
GE 400	6.8	59.1	60.4	61.5	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0
GE 300	6.9	62.3	63.7	64.9	65.5	65.6	65.7	65.7	65.7	65.7	65.8	65.8	66.0	66.0	66.0	66.0
GE 200	7.0	67.1	68.5	69.9	70.4	70.6	70.8	70.8	70.8	70.8	70.9	70.9	71.1	71.1	71.1	71.1
GE 100	7.3	70.6	72.3	74.0	74.9	75.2	75.7	75.7	75.8	75.8	75.9	75.9	76.1	76.1	76.1	76.1
GE 2000	7.3	73.0	75.1	76.9	78.2	78.6	79.6	79.7	79.8	79.9	80.0	80.0	80.2	80.2	80.2	80.2
GE 1800	7.3	74.7	77.6	79.5	80.9	81.4	82.4	82.5	82.8	83.0	83.2	83.2	83.4	83.4	83.4	83.4
GE 1600	7.3	74.9	78.1	80.0	81.4	81.9	82.9	83.0	83.3	83.5	83.8	83.8	84.0	84.0	84.0	84.0
GE 1400	7.3	75.0	79.1	81.8	83.1	83.9	85.4	85.6	85.9	86.8	87.0	87.0	87.2	87.2	87.2	87.2
GE 1200	7.3	76.5	80.7	83.3	84.7	85.5	87.0	87.2	87.5	88.5	89.7	89.8	89.8	89.8	89.8	89.8
GE 1000	7.3	77.2	81.0	84.2	86.7	87.4	89.0	89.6	89.9	90.9	91.2	91.3	91.5	91.5	91.5	91.5
GE 900	7.3	77.5	81.3	84.5	87.1	87.8	89.5	90.0	90.3	91.3	91.6	91.7	91.9	91.9	91.9	91.9
GE 800	7.3	77.8	81.7	85.1	87.6	88.4	90.1	90.6	91.0	92.1	92.6	92.6	92.8	92.8	92.8	92.8
GE 700	7.3	78.1	81.9	85.4	88.0	88.7	90.4	91.0	91.4	92.5	92.8	93.1	93.4	93.4	93.4	93.4
GE 600	7.3	78.1	82.0	85.5	88.1	88.8	90.8	91.5	91.9	93.3	93.7	94.0	94.4	94.4	94.4	94.4
GE 500	7.3	78.2	82.4	85.8	88.4	89.1	91.4	92.2	92.6	94.3	94.4	95.2	95.7	96.0	96.0	96.1
GE 400	7.3	78.4	82.6	86.0	88.7	89.5	91.9	92.8	93.2	95.3	96.0	96.3	96.9	97.2	97.2	97.3
GE 300	7.3	78.4	82.6	86.0	88.7	89.5	91.9	92.8	93.2	95.3	96.0	96.3	96.9	97.2	97.2	97.3
GE 200	7.3	78.4	82.6	86.0	88.8	89.6	92.0	93.1	94.0	96.5	97.4	97.7	98.9	99.4	99.7	100.0
GE 100	7.3	78.4	82.6	86.0	88.8	89.6	92.0	93.1	94.0	96.5	97.4	97.7	98.9	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AIR FATHER SERVICE/MAC

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(CT): 1900-2000

CEILING

VISIBILITY IN STATUTE MILES

FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO CEIL	5.2	44.1	44.6	45.3	45.8	46.0	46.5	46.3	46.7	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
GE 2000	5.1	48.8	49.5	50.2	50.9	51.1	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 1800	5.1	49.0	49.7	50.4	51.0	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 1600	5.1	49.1	49.8	50.5	51.1	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
GE 1400	5.1	49.0	50.2	51.0	51.5	51.8	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	52.2
GE 1200	5.1	50.1	50.8	51.5	52.2	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 1000	5.7	51.7	52.5	53.3	54.0	54.3	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 900	5.3	52.4	52.1	54.0	54.6	55.0	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 800	5.5	54.5	55.3	56.8	57.5	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 700	5.6	55.7	56.5	58.1	58.8	59.5	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	59.8
GE 600	5.8	57.5	58.3	59.9	60.7	61.3	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
GE 500	5.8	59.4	60.1	62.3	63.0	63.7	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 400	5.8	63.9	62.0	64.0	64.8	65.4	65.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 300	5.9	64.3	65.7	68.0	68.7	69.4	69.8	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 200	5.9	67.1	68.6	70.8	71.7	72.3	72.7	73.0	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 100	6.3	70.3	71.6	74.6	75.4	76.2	76.6	77.0	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 90	6.3	72.6	75.5	78.3	79.5	80.4	80.9	81.5	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
GE 80	6.3	75.7	76.4	80.1	81.4	82.3	82.9	83.6	83.9	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 70	6.3	74.4	77.2	80.9	82.3	83.3	83.8	84.6	84.9	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 60	6.3	74.9	77.8	82.2	83.7	85.0	85.6	86.3	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 50	6.3	76.0	79.1	83.6	85.5	86.6	87.2	88.1	88.5	88.6	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 40	6.3	76.8	80.1	84.5	86.4	87.7	88.5	89.5	89.9	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 30	6.3	76.9	80.1	84.8	86.7	88.0	88.8	89.9	90.2	90.6	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 20	6.3	77.3	80.5	85.0	87.3	88.5	89.5	90.5	90.6	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 10	6.3	77.7	81.0	85.8	88.3	89.4	90.3	91.5	91.8	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 0	6.3	77.7	81.0	85.8	88.3	89.4	90.3	91.5	91.8	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8

TOTAL NUMBER OF OBSERVATIONS: 920

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB HI

PERIOD OF RECORD: 76-87  
MONTH: MAR HOURS(IST): 2100-2300

CEILING

VISIBILITY IN STATUTE MILES

IN FLEET	GE 10	GF 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	GF 5/16	GF 1/4	GF 0
NO CEIL	4.6	45.7	46.3	47.2	48.1	48.1	48.2	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.5
GF 2000	4.9	49.6	50.2	51.2	52.1	52.5	52.6	52.6	52.8	52.9	52.9	52.9	52.9	52.9	52.9	53.0
GF 1800	4.9	49.7	50.5	51.3	52.4	52.8	52.9	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.2
GF 1600	4.9	49.7	50.3	51.3	52.4	52.8	52.9	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.2
GF 1400	4.9	49.9	50.6	51.7	52.6	53.1	53.2	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.5
GE 1200	5.0	50.6	51.2	52.3	53.4	53.7	53.8	53.8	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.2
GE 1000	5.0	51.1	51.8	52.9	53.9	54.3	54.4	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.7
GF 900	5.0	51.1	51.8	52.9	53.9	54.3	54.4	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.7
GF 800	5.2	53.7	54.6	55.7	57.0	57.4	57.5	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.8
GE 700	5.2	54.0	54.9	56.1	57.5	57.9	58.0	58.0	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.4
GE 600	5.2	55.1	56.1	57.3	58.7	59.1	59.2	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.5
GE 500	5.3	58.7	59.9	61.4	62.8	63.2	63.3	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.9
GF 400	5.3	60.1	61.4	62.9	64.3	64.6	64.9	65.0	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.5
GF 300	5.3	65.5	67.2	68.8	70.3	70.9	71.0	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.5
GE 200	5.3	67.5	69.2	70.9	72.6	73.1	73.2	73.4	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.8
GF 100	5.3	70.2	72.4	74.5	76.5	77.0	77.1	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.7
GE 2000	5.3	72.9	75.8	78.0	80.5	81.0	81.1	81.2	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.7
GE 1800	5.3	73.8	76.9	79.8	82.4	83.2	83.4	83.5	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.9
GF 1600	5.3	74.6	77.8	80.9	83.7	84.3	84.5	84.7	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.1
GF 1400	5.3	75.4	79.3	83.1	86.7	87.3	87.5	87.8	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.3
GF 1200	5.3	76.5	79.9	83.7	87.9	87.9	88.1	88.5	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.1
GF 1000	5.3	77.0	80.5	84.5	88.1	88.7	88.9	89.2	89.4	89.6	89.9	89.9	89.9	89.9	89.9	90.0
GF 900	5.3	77.2	81.8	85.1	88.9	89.3	89.8	90.1	90.3	90.6	90.8	90.8	90.9	90.9	90.9	91.0
GF 800	5.3	77.5	81.1	85.4	89.1	89.6	90.2	90.5	90.7	91.4	91.6	91.6	91.7	91.7	91.7	91.8
GF 700	5.3	77.5	81.1	85.7	89.5	90.1	90.8	91.2	91.5	92.3	92.6	92.6	92.7	92.7	92.7	92.8
GF 600	5.3	77.5	81.1	85.7	89.5	90.1	90.8	91.5	91.9	92.6	93.0	93.0	93.1	93.1	93.1	93.2
GF 500	5.3	77.5	81.1	85.8	89.9	90.3	91.2	92.2	92.8	93.9	94.2	94.2	94.3	94.3	94.3	94.4
GF 400	5.3	77.6	81.4	86.5	90.5	91.0	92.1	93.5	94.4	96.0	96.4	96.4	96.5	96.5	96.5	96.7
GF 300	5.3	77.6	81.4	86.5	90.6	91.2	92.3	94.0	94.8	96.8	97.3	97.3	97.6	97.6	97.7	98.0
GE 200	5.3	77.6	81.4	86.5	90.6	91.2	92.4	94.2	95.0	97.2	98.0	98.0	98.6	98.6	98.7	99.4
GF 100	5.3	77.6	81.4	86.5	90.6	91.2	92.4	94.2	95.0	97.2	98.1	98.1	98.7	98.9	99.4	99.8
GE 0	5.3	77.6	81.4	86.5	90.6	91.2	92.4	94.2	95.0	97.2	98.1	98.1	98.7	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 927

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 78-87  
MONTH: MAR HOURS(LST): ALL

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 1/2	GE 1/2	GE 1/16	GE 1/4	GE 0
NO CEIL	5.5	43.7	44.4	44.6	45.4	45.4	45.6	45.7	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.9
GE 20000	5.2	47.2	48.3	48.5	49.2	49.3	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.8
GE 18000	5.2	47.4	48.3	48.6	49.5	49.6	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.1	50.2
GE 16000	5.2	47.5	48.4	48.9	49.5	49.7	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.2
GE 14000	5.2	47.6	48.7	49.2	49.9	50.0	50.3	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.6
GE 12000	5.2	48.3	49.2	49.7	49.9	50.4	50.8	50.9	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.1
GE 10000	5.3	49.6	50.6	51.1	51.3	52.0	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.5	52.5
GE 9000	5.3	50.1	51.1	51.6	52.2	52.5	52.9	52.8	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.1
GE 8000	5.4	52.2	53.4	54.1	54.9	55.1	55.4	55.5	55.5	55.5	55.5	55.5	55.6	55.6	55.6	55.7
GE 7000	5.6	53.4	54.6	55.4	56.2	56.4	56.8	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.1
GE 6000	5.7	54.3	55.5	56.3	57.2	57.4	57.7	57.8	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.1
GE 5000	5.8	56.2	57.6	58.6	59.5	59.7	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.4
GE 4500	5.9	57.5	59.1	60.1	61.1	61.3	61.7	61.8	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.1
GE 4000	5.9	61.6	63.6	64.9	66.1	66.4	66.9	67.0	67.1	67.1	67.2	67.2	67.3	67.3	67.3	67.4
GE 3500	6.0	64.1	65.9	67.3	68.6	68.9	69.4	69.6	69.7	69.8	69.8	69.8	69.9	69.9	70.0	70.0
GE 3000	6.2	67.4	69.5	71.2	72.9	73.2	73.8	74.1	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.5
GE 2500	6.2	70.2	73.1	75.0	76.9	77.3	78.1	78.5	78.6	78.7	78.7	78.7	78.8	78.8	78.9	79.0
GE 2000	6.3	72.2	75.4	77.6	79.7	80.2	81.1	81.6	81.7	81.9	82.0	82.0	82.1	82.1	82.2	82.2
GE 1800	6.3	72.7	76.1	78.3	80.5	81.0	81.9	82.4	82.6	82.6	82.9	82.9	83.0	83.0	83.1	83.1
GE 1500	6.3	74.2	77.8	80.4	83.1	83.6	84.7	85.4	85.6	86.0	86.1	86.1	86.2	86.2	86.3	86.4
GE 1200	6.3	74.9	78.7	81.5	84.3	84.8	86.1	86.9	87.0	87.4	87.6	87.6	87.8	87.8	87.8	87.9
GE 1000	6.3	75.5	79.3	82.4	85.4	86.1	87.5	88.4	88.6	89.0	89.2	89.3	89.5	89.5	89.6	89.7
GE 900	6.3	75.9	79.6	83.0	86.2	86.8	88.3	89.2	89.4	89.8	90.2	90.2	90.4	90.4	90.5	90.7
GE 800	6.3	76.2	80.1	83.3	86.5	87.3	88.9	89.6	90.0	90.6	91.0	91.1	91.3	91.4	91.6	91.6
GE 700	6.3	76.3	80.3	83.6	86.7	87.8	89.4	90.4	90.7	91.3	91.7	91.8	92.1	92.1	92.2	92.3
GE 600	6.3	76.3	80.4	83.7	87.1	88.0	89.8	91.1	91.5	92.1	92.7	92.7	93.1	93.1	93.2	93.4
GE 500	6.3	76.4	80.6	84.0	87.6	88.7	90.8	92.5	92.9	93.7	94.4	94.5	94.9	95.0	95.1	95.2
GE 400	6.3	76.4	80.7	84.3	88.1	89.1	91.4	93.5	94.2	95.2	96.0	96.1	96.5	96.6	96.7	96.9
GE 300	6.3	76.4	80.7	84.3	88.1	89.2	91.7	94.1	94.8	96.2	97.2	97.3	97.9	98.0	98.2	98.5
GE 200	6.3	76.4	80.8	84.3	88.1	89.2	91.8	94.2	95.0	96.5	97.7	97.8	98.7	98.9	99.2	99.6
GE 100	6.3	76.4	80.8	84.3	88.1	89.2	91.8	94.2	95.0	96.5	97.7	97.8	98.7	98.9	99.3	99.8
GE 0	6.3	76.4	80.8	84.3	88.1	89.2	91.8	94.2	95.0	96.5	97.7	97.8	98.8	99.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 7435

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HCC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WASHINGTON AFB MI

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

CEILING	VISIBILITY IN STATUTE MILES																		
	IN FEET	1 10	GE 6	GE 5	GF 4	GE 3	GF 2 1/2	GE 2	GF 1 1/2	GE 1 1/4	GE 1	GE 3/4	GF 5/8	GE 1/2	GF 5/16	GE 1/4	GF 0		
NO CEIL	12.3	48.4	49.0	49.6	50.1	50.1	50.2	50.4	50.4	50.4	50.6	50.6	50.7	50.7	50.7	50.7	50.8		
GE 20000	17.9	50.4	51.0	51.8	52.4	52.4	52.6	52.8	52.8	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.1		
GE 18000	17.9	50.4	51.0	51.8	52.4	52.4	52.6	52.8	52.8	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.1		
GF 16000	17.9	50.4	51.0	51.8	52.4	52.4	52.6	52.8	52.8	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.1		
GF 14000	17.9	50.4	51.0	51.8	52.4	52.4	52.6	52.8	52.8	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.1		
GF 12000	17.9	50.6	51.1	51.9	52.6	52.6	52.7	52.9	52.9	52.9	53.0	53.0	53.1	53.1	53.1	53.1	53.2		
GF 10000	18.2	52.1	52.9	53.8	54.4	54.4	54.6	54.8	54.8	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.1		
GE 9000	18.3	52.6	53.3	54.2	55.1	55.1	55.2	55.4	55.4	55.4	55.6	55.6	55.7	55.7	55.7	55.7	55.8		
GE 8000	18.8	55.2	56.1	57.0	57.9	57.9	58.0	58.2	58.2	58.2	58.3	58.3	58.4	58.4	58.4	58.4	58.6		
GF 7000	18.8	55.6	56.4	57.3	58.2	58.2	58.3	58.5	58.5	58.5	58.6	58.6	58.7	58.7	58.7	58.7	58.9		
GF 6000	19.2	57.9	58.9	59.8	61.1	61.1	61.2	61.6	61.6	61.6	61.7	61.7	61.8	61.8	61.8	61.8	61.9		
GE 5000	19.2	59.6	60.6	61.7	63.1	63.1	63.2	63.7	63.7	63.7	63.8	63.8	63.9	63.9	63.9	63.9	64.0		
GE 4500	19.2	62.4	63.4	64.7	66.1	66.1	66.2	66.7	66.7	66.7	66.8	66.8	66.9	66.9	66.9	66.9	67.0		
GF 4000	19.2	68.8	70.4	71.6	73.0	73.0	73.1	73.6	73.6	73.6	73.9	73.9	74.0	74.0	74.0	74.0	74.1		
GF 3500	19.2	76.4	78.1	79.2	80.7	80.7	80.7	81.2	81.2	81.2	81.4	81.4	81.6	81.6	81.6	81.6	81.7		
GE 3000	19.9	74.2	76.1	77.4	78.9	78.9	79.0	79.4	79.4	79.4	79.7	79.7	79.8	79.8	79.8	79.8	80.0		
GF 2500	19.9	75.7	77.8	79.2	80.7	80.7	80.8	81.2	81.2	81.4	81.4	81.6	81.6	81.7	81.7	81.7	81.8		
GF 2000	19.2	77.6	80.1	81.6	83.0	83.0	83.2	83.7	83.7	83.9	83.9	84.0	84.0	84.1	84.1	84.1	84.2		
GF 1800	19.2	78.2	80.6	82.0	83.4	83.4	83.7	84.1	84.1	84.3	84.3	84.4	84.4	84.6	84.6	84.6	84.7		
GF 1600	19.2	79.9	82.7	84.3	85.9	85.9	86.1	86.6	86.6	86.8	86.8	86.9	86.9	87.0	87.0	87.0	87.1		
GF 1400	19.2	90.0	82.9	84.6	86.1	86.1	86.3	86.8	87.0	87.0	87.1	87.1	87.2	87.2	87.2	87.2	87.3		
GF 1200	19.2	80.7	83.6	85.2	86.7	86.7	86.8	87.1	87.6	87.6	87.8	87.8	87.9	87.9	88.1	88.1	88.2		
GE 900	19.4	80.9	84.0	85.7	87.2	87.2	87.6	88.3	88.3	88.6	88.6	88.7	88.7	88.9	88.9	88.9	89.0		
GE 800	19.4	81.1	84.2	86.0	87.6	87.6	87.9	88.7	88.7	88.9	88.9	89.0	89.0	89.2	89.2	89.2	89.3		
GF 700	19.4	81.4	84.7	86.7	88.2	88.2	88.7	89.4	89.7	89.7	89.8	89.8	89.8	90.0	90.0	90.0	90.1		
GF 600	19.4	81.7	85.3	87.2	89.0	89.0	89.3	89.8	90.6	90.8	90.8	90.9	90.9	91.2	91.2	91.2	91.3		
GF 500	19.4	81.9	85.7	88.2	90.3	90.3	90.4	91.1	92.2	92.4	92.4	92.6	92.6	92.8	92.8	92.8	92.9		
GE 400	19.4	81.9	85.8	88.2	90.4	90.4	90.5	91.2	92.2	92.4	92.4	92.6	92.6	92.8	92.8	92.8	92.9		
GE 300	19.4	81.9	85.9	88.3	90.5	90.5	90.6	91.3	92.4	92.6	92.6	92.8	92.8	93.0	93.0	93.0	93.1		
GF 200	19.4	81.9	86.0	88.5	90.7	90.7	90.8	91.5	92.6	92.8	92.8	93.0	93.0	93.2	93.2	93.2	93.3		
GF 100	19.4	81.9	86.0	88.5	90.7	90.7	90.8	91.5	92.6	92.8	92.8	93.0	93.0	93.2	93.2	93.2	93.3		

TOTAL NUMBER OF OBSERVATIONS: 700

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C.

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 77-86  
 MONTH: APR HOURS(EST): 0000-2300

CEILING

VISIBILITY IN STATUTE MILES

FEET	1	3	6	9	12	15	18	21	24	27	30	36	42	48	54	60	66	72	78	84	90	96	100
NO CEIL	11.7	48.1	48.7	40.8	49.7	44.2	49.3	49.4	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
1000	12.6	51.3	52.0	52.2	52.2	52.8	52.9	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
1800	12.6	51.3	52.0	52.2	52.3	52.8	52.9	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
1800	12.6	51.7	52.3	52.6	53.1	53.1	53.2	53.3	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
1200	12.6	52.2	52.7	53.1	53.7	53.7	53.8	53.9	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
1000	12.9	53.6	54.3	54.6	55.3	55.3	55.4	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
900	13.0	54.0	55.1	55.3	56.1	56.1	56.2	56.3	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
800	13.7	56.2	58.0	58.2	59.7	59.6	59.1	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	59.4	59.4	59.4
700	13.7	56.1	59.4	59.9	60.9	60.9	61.0	61.2	61.3	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
600	13.9	59.1	60.6	61.1	62.5	62.2	62.3	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
500	13.9	63.4	63.0	62.6	63.7	63.7	63.8	63.8	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
400	14.2	63.2	64.6	65.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
300	15.2	68.7	71.0	71.7	73.0	72.8	73.0	73.2	73.3	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	73.6
200	15.2	69.4	72.3	73.1	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	74.2	74.2	74.2	74.2	74.2	74.2
100	15.3	72.4	75.2	76.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
1000	16.0	74.4	77.7	78.4	79.7	79.7	80.5	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	80.8	80.8	80.8
1800	16.0	76.0	78.4	80.1	81.5	81.4	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
1800	16.0	76.1	79.2	80.6	81.9	81.6	82.6	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
1200	16.2	78.0	81.4	82.9	84.7	84.4	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
1200	16.3	78.4	82.0	83.4	84.9	84.9	85.0	85.0	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
1000	16.3	79.1	82.7	84.1	85.4	85.7	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
900	16.3	79.6	83.1	84.6	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
800	16.7	79.6	83.1	84.6	86.7	86.1	87.0	87.7	87.7	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
700	16.4	80.0	83.7	85.1	86.6	86.7	87.7	88.2	88.0	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
600	16.4	80.2	84.1	85.6	87.0	87.1	88.0	88.8	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
500	16.4	80.3	84.0	86.1	88.0	88.7	89.7	91.1	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
400	16.4	80.3	84.7	86.4	88.4	89.6	91.2	92.9	93.3	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
300	16.4	80.6	85.1	87.0	89.0	90.2	92.1	94.3	95.0	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
200	16.4	80.7	85.2	87.2	89.2	90.4	92.4	94.6	95.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
100	16.4	80.7	85.2	87.2	89.2	90.4	92.4	94.6	95.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4

TOTAL NUMBER OF OBSERVATIONS: 2400

GENERAL CLIMATOLOGY BRANCH  
WAFS/CLAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AFW WAFATER SERVICE/2MAC

STATION NUMBER: 756395 STATION NAME: WORTSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: APR HOURS/DATE: 0000-2300

CEILING	VISIBILITY IN STATUTE MILES															
	10	5	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE	GE
FEET	1	1/2	3/4	1	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	11
NO CEILING	100.0	99.1	98.9	95.3	95.1	95.8	95.8	95.9	95.7	95.7	96.0	96.0	96.1	96.1	96.1	96.1
1000	10.0	97.3	98.2	99.0	99.3	99.4	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8
800	10.0	97.6	98.4	99.3	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600	10.0	97.6	98.4	99.3	99.4	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
400	11.7	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	11.9	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
100	13.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
80	13.6	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
60	13.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
40	14.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
20	14.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
10	14.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
5	14.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
3	14.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
2	14.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1	14.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
0	14.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
DRAFLAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 726395 STATION NAME: WORTSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: APR HOURLY(S): 0900-1100

CEILING

VISIBILITY IN STATUTE MILES

FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	1/2	1/2	1/2	1/2	1/2	1/2	1/2
NO CEIL	11.0	44.3	44.7	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
GE 2000	12.7	49.6	50.1	50.3	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 1800	12.7	49.9	50.4	50.7	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
GE 1600	12.9	50.3	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	51.1
GE 1400	12.9	50.7	51.2	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
GE 1200	12.9	50.3	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	51.1
GE 1000	14.3	55.1	55.7	56.0	56.0	56.0	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 900	14.4	56.0	56.6	56.9	56.9	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 800	15.7	59.3	60.0	60.4	60.6	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 700	15.9	61.3	62.1	62.8	63.1	63.1	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 600	16.0	62.7	63.4	64.1	64.4	64.4	64.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 500	16.7	64.6	65.4	66.0	66.0	66.0	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
GE 400	16.7	65.4	66.2	66.8	66.8	66.8	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 300	16.9	68.3	69.0	70.0	71.1	71.1	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 200	16.9	70.1	71.0	72.0	73.2	73.2	73.7	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 100	17.4	72.1	73.0	75.1	75.6	75.6	76.2	76.8	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 100	17.4	74.2	76.1	77.6	78.7	79.1	79.8	80.2	80.3	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 100	17.6	76.1	78.2	79.8	81.1	81.7	82.4	82.9	83.0	83.7	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 100	17.7	78.7	78.9	80.1	81.5	82.2	83.0	83.4	83.6	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 100	17.7	78.7	81.2	82.6	84.7	84.8	85.6	86.1	86.2	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 100	17.5	80.0	82.0	84.0	86.2	86.7	87.4	88.0	88.1	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 100	18.1	81.1	84.1	85.8	87.7	88.1	88.9	89.4	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 100	18.1	81.1	84.1	86.0	88.0	88.0	88.2	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 100	18.1	81.9	84.6	86.3	88.4	88.9	89.7	90.9	91.1	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 100	18.1	81.9	85.1	87.0	89.0	89.0	89.6	90.6	91.0	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
GE 100	18.1	82.2	85.1	87.4	89.7	89.7	90.2	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 100	18.1	82.3	85.7	87.9	89.7	89.9	91.7	93.1	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 100	18.1	82.6	85.7	88.0	90.0	91.3	92.3	94.4	94.9	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GE 100	18.1	82.6	85.5	88.4	91.1	91.6	92.7	96.0	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 100	18.1	82.6	85.5	88.4	91.1	91.6	92.8	96.3	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 100	18.1	82.6	85.9	88.4	91.1	91.6	92.8	96.3	97.0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS: 900



GLOBAL CLIMATOLOGY BRANCH  
JPLAETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395

STATION NAME: WU TSMITH AFB MI

PERIOD OF RECORD: 17-84

MONTH: APR

HOURS: 1500-1900

CEILING

VISIBILITY IN STATUTE MILES

FEET	1	3	5	7	9	11	12	14	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
NO CEILING	11.6	41.8	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	
6-7 00Z	17.0	47.0	48.4	46.6	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
07 1400Z	13.0	47.9	49.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
08 16 00Z	17.0	48.4	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
09 18 00Z	17.7	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
10 19 00Z	14.7	51.8	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	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
11 20 00Z	17.0	52.8	54.9	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
12 21 00Z	15.0	54.1	55.1	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	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
13 22 00Z	15.9	56.6	57.2	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
14 23 00Z	16.9	59.2	61.4	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
15 00 00Z	15.9	63.9	61.9	62.2	62.9	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	62.9	62.9	62.9	62.9	62.9	62.9	62.9
16 01 00Z	14.1	61.7	63.1	63.7	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	64.2	64.2	64.2	64.2	64.2	64.2
17 02 00Z	17.0	62.2	63.7	64.2	64.9	64.6	64.9	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
18 03 00Z	16.9	66.3	68.1	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
19 04 00Z	16.6	68.6	70.9	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
20 05 00Z	17.9	72.5	74.7	75.7	76.1	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
21 06 00Z	17.9	75.5	77.6	78.9	79.7	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
22 07 00Z	17.9	78.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
23 08 00Z	17.9	79.9	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
24 09 00Z	17.9	82.2	84.2	85.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
25 10 00Z	14.7	82.7	84.9	85.9	87.9	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
26 11 00Z	16.0	82.9	85.3	87.9	88.9	89.9	89.7	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
27 12 00Z	17.0	85.1	87.7	87.6	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
28 13 00Z	17.0	85.6	86.7	87.6	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
29 14 00Z	17.7	85.6	86.7	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
30 15 00Z	17.0	84.6	86.2	86.6	87.1	87.7	87.9	88.9	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
31 16 00Z	17.7	86.2	87.2	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
32 17 00Z	17.7	86.2	87.2	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
33 18 00Z	17.7	86.2	87.2	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
34 19 00Z	17.7	86.2	87.2	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
35 20 00Z	17.7	86.2	87.2	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
36 21 00Z	17.7	86.2	87.2	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
37 22 00Z	17.7	86.2	87.2	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
38 23 00Z	17.7	86.2	87.2	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
39 00 00Z	17.7	86.2	87.2	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1

TOTAL NUMBER OF OBSERVATIONS: 96

GLOBAL CLIMATOLOGY BRANCH  
OSAF/ETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AT: WASHINGTON METRO

STATION NUMBER: 726395 STATION NAME: WORTSMITH APR MI

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

CEILING	VISIBILITY IN STATUTE MILES																				
	FEET	1	1/8	6	5	4	3	2	1 1/2	1	1/2	1/4	1	3/4	5/8	1/2	7/16	1/4	0		
NO CEIL	11.0	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	
GF 20000	17.4	47.7	48.0	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GF 18000	17.8	48.2	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	48.9	48.9	48.9	48.9	48.9
GF 16000	12.5	46.8	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GF 14000	12.8	48.8	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GF 12000	13.1	50.2	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GF 10000	17.6	52.1	52.4	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GF 9000	17.7	52.4	52.8	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GF 8000	13.9	54.4	55.2	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GF 7000	19.1	56.9	57.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GF 6000	14.8	58.4	60.2	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GF 5000	17.7	60.0	61.7	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GF 4000	15.2	63.7	63.3	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GF 3000	17.1	66.7	68.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GF 2000	14.3	68.7	70.0	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GF 1000	17.3	73.3	75.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GF 500	17.7	77.6	79.7	80.8	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GF 400	17.8	80.0	82.7	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	84.2
GF 300	17.3	81.1	83.4	84.7	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GF 200	17.9	83.0	85.4	86.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
GF 100	17.8	83.3	85.9	87.4	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GF 50	17.8	86.1	88.6	88.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GF 40	17.8	84.3	87.1	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
GF 30	17.8	84.9	88.2	89.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GF 20	17.8	85.1	88.2	90.1	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GF 10	17.8	85.2	88.7	90.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GF 5	17.8	85.2	88.4	90.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GF 2	17.8	85.2	88.4	90.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7

TOTAL NUMBER OF OBSERVATIONS: 610

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/RAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WORTSMITH AFB MI

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

CEILING FEET	VISIBILITY IN STATUTE MILES																	
	GE	GF	GE	GF	GE	GF	GE	GF	GE	GF	GE	GF	GE	GF	GE	GF	GE	GF
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4			
NO CEIL	12.3	44.1	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 20000	12.9	49.7	50.3	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GF 18000	13.0	49.8	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 16000	13.0	48.8	50.4	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GF 14000	13.0	50.0	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 12000	13.0	50.9	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GF 10000	13.8	53.7	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 9000	13.9	54.2	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GF 8000	13.9	56.9	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 7000	13.9	58.6	60.1	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GF 6000	14.7	59.8	61.8	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 5000	15.1	61.4	63.4	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	64.2
GF 4000	15.1	62.0	64.1	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 3000	15.2	67.6	69.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GF 2000	16.7	69.4	71.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 1000	16.9	73.1	75.3	76.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
GF 2000	16.9	76.6	79.2	80.4	81.4	81.7	82.2	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 2000	17.3	78.1	80.9	82.3	84.1	84.3	85.0	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GF 1800	17.3	78.3	81.2	82.7	84.6	84.8	85.4	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 1600	17.3	79.4	82.4	84.1	86.1	86.3	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GF 1400	17.3	80.3	83.3	85.0	87.3	87.6	88.4	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1200	17.3	80.6	83.7	85.3	87.7	87.9	88.8	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GF 1000	17.3	81.0	84.2	86.2	88.6	88.8	89.9	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 900	17.3	81.3	84.6	86.6	89.5	89.4	90.8	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GF 800	17.3	81.6	84.9	87.1	89.5	89.0	91.3	92.1	92.2	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 700	17.3	81.8	85.0	87.4	90.4	90.7	92.2	93.1	93.2	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GF 600	17.3	81.9	85.2	88.0	91.1	91.4	93.2	94.9	95.0	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 500	17.3	82.0	85.4	88.1	91.6	91.9	94.0	95.8	96.2	97.0	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4
GF 400	17.3	82.0	85.4	88.1	91.6	91.9	94.4	96.3	97.1	98.0	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4
GE 300	17.3	82.0	85.4	88.1	91.6	91.9	94.6	96.6	97.3	98.6	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4
GF 200	17.3	82.0	85.4	88.1	91.6	91.9	94.6	96.6	97.3	98.6	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4
GE 100	17.3	82.0	85.4	88.1	91.6	91.9	94.6	96.6	97.3	98.6	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4
GF 0	17.3	82.0	85.4	88.1	91.6	91.9	94.6	96.6	97.3	98.6	99.0	99.0	99.3	99.4	99.4	99.4	99.4	99.4

NO. OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/PAC

STATION NUMBER: 726395

STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 77-86

MONTH: APR

HOURS (LST): 2100-2300

CEILING

VISIBILITY IN STATUTE MILES

FEET	1	4E	6E	5E	4E	3E	2 1/2E	2E	1 1/2E	1 1/4E	1E	3/4E	5/8E	1/2E	5/16E	1/4E	0
NO CEIL	15.9	46.8	47.4	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	48.0
GE 20000	17.3	49.9	50.6	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.6
GE 18000	17.3	49.9	50.6	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.6
GE 16000	17.3	50.0	50.7	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.7
GE 14000	17.3	50.4	51.1	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.1
GE 12000	17.3	50.7	51.3	51.8	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 10000	17.9	53.7	54.3	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3
GE 9000	14.0	54.4	55.1	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.3
GE 8000	14.0	56.2	56.9	57.6	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.3
GE 7000	14.0	58.3	59.7	60.6	61.2	61.0	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3
GE 6000	14.4	60.0	61.4	62.3	62.4	62.8	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.1
GE 5000	14.8	62.3	63.9	64.8	65.2	65.2	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.7
GE 4500	14.8	64.0	65.6	66.7	67.1	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6
GE 4000	15.6	69.7	71.9	72.8	73.2	73.2	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.7
GE 3500	16.2	73.1	75.4	76.3	76.8	76.8	76.8	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3
GE 3000	16.2	75.7	78.4	79.3	80.3	80.0	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.6
GE 2500	16.2	77.3	80.4	81.4	82.0	82.0	82.0	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3
GE 2000	16.6	78.7	82.2	83.3	84.4	84.4	84.4	84.8	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.6
GE 1800	16.6	79.0	82.0	83.7	84.8	84.9	84.9	85.2	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	86.0
GE 1600	16.6	80.1	84.2	85.6	86.5	87.0	87.3	87.9	87.9	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.1
GE 1400	16.6	80.7	85.1	86.3	87.6	87.8	88.1	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.9
GE 1200	16.6	81.0	85.4	86.9	88.1	88.3	88.9	89.4	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.7
GE 1000	16.6	81.4	86.1	87.8	89.0	89.2	89.9	90.4	90.4	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.9
GE 900	16.6	81.8	86.4	88.1	89.3	89.6	90.2	90.6	91.1	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.7
GE 800	16.6	81.8	86.4	88.1	89.3	89.7	90.3	91.0	91.3	91.3	91.8	92.0	92.0	92.0	92.0	92.0	92.1
GE 700	16.6	81.9	86.6	88.3	89.9	90.3	91.1	91.6	92.1	92.1	92.6	92.8	92.8	92.8	92.8	92.8	92.9
GE 600	16.6	82.1	86.9	88.7	90.4	91.2	92.1	93.2	93.6	93.6	94.0	94.2	94.2	94.2	94.2	94.2	94.3
GE 500	16.6	82.2	87.0	88.9	90.9	91.8	93.0	94.4	94.9	95.6	95.6	95.8	95.8	95.9	95.9	96.0	96.1
GE 400	16.6	82.2	87.0	88.9	91.1	92.1	93.9	95.6	96.2	96.2	96.9	97.1	97.1	97.2	97.2	97.4	97.6
GE 300	16.6	82.2	87.0	88.9	91.1	92.2	94.2	96.2	96.9	97.8	98.2	98.6	98.6	99.0	99.0	99.3	99.4
GE 200	16.6	82.2	87.0	88.9	91.1	92.3	94.3	96.3	97.1	98.0	98.4	98.8	98.8	99.3	99.3	99.7	99.8
GE 100	16.6	82.2	87.0	88.9	91.1	92.3	94.3	96.3	97.1	98.0	98.4	98.8	98.8	99.3	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFNUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WOLFSMITH AFB MI

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

CEILING FEET	VISIBILITY IN STATUTE MILES																		
	1	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4
NO CEIL	11.6	45.0	45.5	45.8	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2
GE 20000	12.7	49.2	49.8	50.3	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.8	50.8
GE 18000	12.7	49.4	50.0	50.4	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.9	50.9	50.9	50.9	50.9
GE 16000	12.7	49.6	50.2	50.6	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.2
GE 14000	12.8	49.9	50.6	51.0	51.2	51.2	51.3	51.3	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5
GE 12000	13.0	50.9	51.6	52.0	52.2	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5
GE 10000	13.6	53.2	53.8	54.3	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9
GE 9000	13.7	53.8	54.6	55.0	55.4	55.4	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.7
GE 8000	14.2	56.4	57.4	57.9	58.2	58.3	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7	58.7	58.7
GE 7000	14.3	58.3	59.5	60.2	60.5	60.8	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2	61.2	61.2
GE 6000	14.7	59.8	61.2	62.0	62.5	62.6	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.1
GE 5000	15.0	61.5	63.1	63.9	64.6	64.7	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.1	65.1	65.1	65.1	65.1
GE 4500	15.0	62.9	64.6	65.4	66.1	66.2	66.3	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.6	66.6	66.6	66.6
GE 4000	15.8	67.9	69.8	70.8	71.4	71.5	71.8	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2
GE 3500	16.0	69.8	71.8	72.7	73.6	73.7	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4
GE 3000	16.6	73.1	75.3	76.5	77.4	77.5	77.8	78.1	78.2	78.3	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.6	78.6
GE 2500	16.6	75.4	77.8	79.1	80.3	80.4	80.8	81.1	81.3	81.4	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6
GE 2000	16.8	77.5	80.1	81.4	82.9	83.0	83.5	83.9	84.0	84.1	84.2	84.2	84.2	84.3	84.3	84.4	84.4	84.4	84.4
GE 1800	16.9	78.0	80.6	82.0	83.5	83.6	84.2	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.9	85.0	85.0	85.1	85.1
GE 1500	17.0	79.7	82.6	84.1	85.7	85.9	86.5	87.0	87.1	87.2	87.3	87.3	87.3	87.4	87.5	87.5	87.5	87.5	87.5
GE 1200	17.0	80.3	83.3	84.9	86.4	86.8	87.5	87.9	88.1	88.2	88.3	88.3	88.4	88.4	88.4	88.5	88.5	88.5	88.5
GE 1000	17.1	80.8	83.9	85.6	87.4	87.7	88.4	88.9	89.1	89.2	89.3	89.3	89.3	89.3	89.5	89.5	89.5	89.6	89.6
GE 900	17.1	81.1	84.4	86.2	88.1	88.3	89.2	89.8	90.0	90.2	90.3	90.3	90.3	90.5	90.5	90.5	90.5	90.6	90.6
GE 800	17.1	81.4	84.7	86.6	88.6	88.8	89.8	90.5	90.8	91.0	91.1	91.1	91.1	91.3	91.3	91.3	91.3	91.4	91.4
GE 700	17.1	81.7	85.0	87.0	89.1	89.4	90.4	91.2	91.4	91.8	91.9	92.0	92.1	92.1	92.2	92.2	92.2	92.2	92.2
GE 600	17.1	81.8	85.2	87.3	89.4	89.9	91.1	91.9	92.2	92.5	92.7	92.7	92.7	92.9	93.0	93.0	93.0	93.0	93.0
GE 500	17.1	81.9	85.0	87.8	90.1	90.6	92.1	93.3	93.5	93.8	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.4	94.4
GE 400	17.1	82.0	85.7	88.0	90.4	91.4	93.1	94.6	95.0	95.5	95.8	95.8	95.8	96.1	96.1	96.1	96.1	96.2	96.3
GE 300	17.1	82.1	85.0	88.1	91.1	91.7	93.7	95.5	96.1	96.8	97.2	97.2	97.2	97.5	97.5	97.5	97.5	97.6	97.6
GE 200	17.1	82.1	85.0	88.2	91.2	91.8	94.0	96.0	96.7	97.5	98.0	98.2	98.2	98.6	98.6	98.6	98.6	98.7	98.7
GE 100	17.1	82.1	85.0	88.2	91.2	91.9	94.1	96.0	96.8	97.6	98.1	98.3	98.3	98.7	98.7	98.7	98.7	98.8	98.8
GE 0	17.1	82.1	85.8	88.2	91.2	91.9	94.1	96.0	96.9	97.6	98.1	98.3	98.3	98.7	98.7	98.7	98.7	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS: 7200

LOCAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

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

CEILING FEET	VISIBILITY IN STATUTE MILES																	
	10	6	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		
NO CEIL	10.4	55.2	57.0	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.7	58.7	58.7	58.7		
GE 2000	10.6	58.3	60.3	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	62.0	62.0	62.0	62.0		
GE 1800	10.6	58.3	60.3	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	62.0	62.0	62.0	62.0		
GE 1600	10.6	58.5	60.5	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.3	62.3	62.3	62.3		
GE 1400	10.6	58.5	60.5	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.3	62.3	62.3	62.3		
GE 1200	10.6	60.0	62.2	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.9	63.9	63.9	63.9		
GE 1000	11.9	63.7	66.1	67.2	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	68.1	68.1	68.1	68.1		
GE 900	11.9	64.1	66.6	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.5	68.5	68.5	68.5		
GE 800	11.9	69.0	71.9	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	74.1	74.1	74.1	74.1		
GE 700	12.2	70.2	73.1	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	75.4	75.4	75.4	75.4		
GE 600	12.3	71.4	74.3	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.8	76.8	76.8	76.8		
GE 500	12.3	73.3	76.7	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.5	79.5	79.5	79.5		
GE 450	12.3	74.6	78.1	80.0	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	81.1	81.1	81.1	81.1		
GE 400	12.6	79.1	83.0	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	86.2	86.2	86.2	86.2		
GE 350	12.6	79.9	83.8	85.9	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	87.3	87.3	87.3	87.3		
GE 300	12.9	81.3	85.3	87.4	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.8	88.8	88.8	88.8		
GE 250	13.0	81.9	86.1	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.5	89.5	89.5	89.5		
GE 200	13.2	82.4	86.8	88.9	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.2	90.2	90.2	90.2		
GE 180	13.2	82.5	86.9	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	90.3	90.3	90.3	90.3		
GE 160	13.2	82.9	87.3	89.5	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	91.3	91.3	91.3	91.3		
GE 140	13.2	83.2	87.6	89.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	91.9	91.9	91.9	91.9		
GE 120	13.2	83.2	87.6	89.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	91.9	91.9	91.9	91.9		
GE 100	13.2	83.2	87.6	89.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	92.5	92.5	92.5	92.5		
GE 90	13.2	83.2	87.6	89.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	92.5	92.5	92.5	92.5		
GE 80	13.2	83.2	87.6	89.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	92.5	92.5	92.5	92.5		
GE 70	13.2	83.2	87.6	89.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	92.5	92.5	92.5	92.5		
GE 60	13.2	83.2	87.6	89.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	92.5	92.5	92.5	92.5		
GE 50	13.2	83.2	87.6	89.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	92.5	92.5	92.5	92.5		
GE 40	13.2	83.2	87.6	89.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	92.5	92.5	92.5	92.5		
GE 30	13.2	83.2	87.6	89.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	92.5	92.5	92.5	92.5		
GE 20	13.2	83.2	87.6	89.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	92.5	92.5	92.5	92.5		
GE 10	13.2	83.2	87.6	89.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	92.5	92.5	92.5	92.5		
GE 0	13.2	83.2	87.6	89.8	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	92.5	92.5	92.5	92.5		

TOTAL NUMBER OF OBSERVATIONS: 950

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS(IST): 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	10.2	50.5	52.5	53.4	54.6	54.6	54.6	54.7	54.7	54.8	54.8	54.8	55.1	55.1	55.4	55.5
GE 2000	10.4	54.0	56.2	57.3	58.6	58.6	58.6	58.7	58.7	58.8	58.9	58.9	59.2	59.2	59.6	59.7
GE 1800	10.4	54.0	56.2	57.3	58.6	58.6	58.6	58.7	58.7	58.8	58.9	58.9	59.2	59.2	59.6	59.7
GE 1600	10.4	54.2	56.5	57.5	58.6	58.6	58.8	58.9	58.9	59.0	59.1	59.1	59.5	59.5	59.8	59.9
GE 1400	10.4	54.3	56.6	57.6	58.9	58.9	58.9	59.0	59.0	59.1	59.2	59.2	59.6	59.6	59.9	60.0
GE 1200	10.4	56.0	58.3	59.5	60.5	60.8	60.8	60.9	60.9	61.0	61.1	61.1	61.4	61.4	61.7	61.8
GE 1000	11.6	59.1	61.4	62.6	63.9	63.9	63.9	64.1	64.1	64.2	64.3	64.3	64.6	64.6	64.9	65.1
GE 900	11.6	59.2	61.5	62.7	64.0	64.0	64.0	64.2	64.2	64.3	64.4	64.4	64.7	64.7	65.1	65.2
GE 800	11.9	63.8	66.5	67.7	69.0	69.0	69.0	69.2	69.2	69.4	69.5	69.5	69.8	69.8	70.1	70.2
GE 700	12.0	65.8	68.6	70.0	71.3	71.3	71.3	71.6	71.6	71.7	71.8	71.8	72.2	72.2	72.5	72.6
GE 600	12.3	67.6	70.6	72.0	73.3	73.3	73.3	73.7	73.7	73.8	73.9	73.9	74.2	74.2	74.5	74.6
GE 500	12.3	70.2	73.7	75.2	76.5	76.5	76.5	76.8	76.8	76.9	77.0	77.0	77.3	77.3	77.6	77.7
GE 450	12.3	72.0	75.1	77.1	78.4	78.4	78.4	78.6	78.8	78.9	79.0	79.0	79.4	79.4	79.7	79.8
GE 400	12.7	76.5	80.5	81.9	83.5	83.5	83.8	84.2	84.2	84.3	84.4	84.4	84.7	84.7	85.1	85.2
GE 350	12.7	76.6	80.6	82.3	84.0	84.0	84.2	84.6	84.6	84.7	84.8	84.8	85.2	85.2	85.5	85.6
GE 300	12.8	77.8	81.9	83.5	85.3	85.3	85.5	86.1	86.1	86.2	86.3	86.3	86.7	86.7	87.0	87.1
GE 250	12.8	78.7	82.8	84.5	86.5	86.5	87.0	87.6	87.6	87.7	87.8	87.8	88.2	88.2	88.5	88.6
GE 200	12.8	79.5	83.5	85.3	87.3	87.3	87.8	88.5	88.5	88.6	88.7	88.7	89.0	89.0	89.4	89.5
GE 180	13.2	80.1	84.4	86.1	88.2	88.2	88.7	89.4	89.4	89.5	89.6	89.6	89.9	89.9	90.2	90.3
GE 150	13.3	80.9	85.2	87.0	89.2	89.2	89.9	90.5	90.5	90.6	90.8	90.8	91.1	91.1	91.4	91.5
GE 120	13.3	81.6	85.9	87.8	90.1	90.2	90.8	91.4	91.4	91.5	91.6	91.6	91.9	91.9	92.3	92.4
GE 100	13.3	81.8	86.3	88.3	90.5	91.1	91.6	92.3	92.3	92.4	92.5	92.5	92.8	92.8	93.1	93.2
GE 90	13.3	81.9	86.6	88.5	91.1	91.3	91.8	92.5	92.5	92.6	92.7	92.7	93.0	93.0	93.3	93.4
GE 80	13.3	81.9	86.6	88.5	91.1	91.3	91.8	92.6	92.6	92.7	92.8	92.8	93.1	93.1	93.4	93.5
GE 70	13.3	82.0	86.7	88.6	91.1	91.4	92.2	92.8	92.8	92.9	93.0	93.1	93.4	93.4	93.8	93.9
GE 60	13.3	82.2	86.9	88.8	91.3	91.6	92.4	93.1	93.1	93.3	93.4	93.4	93.9	93.8	94.1	94.2
GE 50	13.3	82.2	86.9	89.2	91.7	92.2	92.9	93.8	93.8	94.1	94.2	94.2	94.5	94.5	94.8	94.9
GE 40	13.5	82.4	87.3	89.6	92.4	92.8	93.9	95.1	95.4	95.6	95.7	95.7	96.0	96.1	96.5	96.6
GE 30	13.5	82.4	87.3	89.8	92.5	93.0	94.2	95.7	96.0	96.3	96.6	96.6	97.1	97.3	97.7	98.1
GE 20	13.5	82.4	87.3	89.9	92.5	93.3	94.5	96.1	96.6	96.9	97.1	97.1	97.7	98.2	98.7	99.0
GE 10	13.5	82.4	87.3	89.9	92.5	93.3	94.5	96.2	96.7	97.0	97.4	97.4	98.2	98.6	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: Wurtsmith AFB MI

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS (LST): 0600-1800

CEILING FEET	VISIBILITY IN STATUTE MILES															
	10	6	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
NO CEIL	9.8	44.2	46.0	46.6	47.6	47.6	47.6	47.8	47.8	48.1	48.2	48.2	48.3	48.3	48.5	48.6
GE 2000	9.2	48.8	51.0	51.5	52.7	52.7	52.7	52.9	53.0	53.2	53.4	53.4	53.5	53.7	54.2	54.4
GE 1800	9.2	49.0	51.2	51.7	52.7	52.9	52.9	53.1	53.2	53.4	53.7	53.7	53.8	53.9	54.4	54.6
GE 1600	9.3	49.0	51.2	51.7	52.9	52.9	52.9	53.1	53.2	53.4	53.7	53.7	53.8	53.9	54.4	54.6
GE 1400	9.4	49.2	51.4	51.9	53.1	53.1	53.1	53.3	53.4	53.7	53.9	53.9	54.0	54.1	54.6	54.8
GE 1200	9.9	51.6	53.9	54.4	55.6	55.6	55.6	55.8	55.8	56.1	56.3	56.3	56.5	56.6	57.1	57.3
GE 1000	10.9	55.2	57.6	58.4	59.7	59.7	59.7	59.9	60.0	60.2	60.4	60.4	60.5	60.6	61.2	61.4
GE 900	10.9	55.8	58.4	58.9	60.7	60.2	60.2	60.4	60.5	60.6	61.0	61.0	61.1	61.2	61.7	61.9
GE 800	11.0	60.9	63.0	64.4	65.8	65.8	65.8	66.0	66.1	66.3	66.6	66.6	66.7	66.8	67.3	67.5
GE 700	11.6	63.1	66.2	67.1	68.5	68.5	68.9	69.4	69.5	69.7	69.9	69.9	70.0	70.1	70.6	70.9
GE 600	11.6	65.3	66.6	69.5	71.0	71.0	71.4	71.8	71.9	72.2	72.5	72.5	72.6	72.7	73.2	73.4
GE 500	11.8	67.1	70.6	71.6	73.1	73.1	73.5	74.0	74.1	74.3	74.6	74.6	74.7	74.8	75.4	75.6
GE 400	11.9	68.1	71.8	72.8	74.6	74.6	75.1	75.6	75.7	75.9	76.2	76.2	76.3	76.5	77.0	77.2
GE 300	12.0	71.6	75.7	77.3	79.7	79.6	80.1	80.9	81.0	81.2	81.5	81.5	81.6	81.7	82.3	82.5
GE 200	12.0	71.9	76.0	77.9	80.1	80.2	80.8	81.5	81.6	81.8	82.2	82.2	82.3	82.4	82.9	83.1
GE 100	12.2	72.7	77.1	78.9	81.2	81.4	81.9	82.7	82.8	83.0	83.3	83.3	83.4	83.5	84.1	84.3
GE 2000	12.4	73.9	78.5	80.3	82.6	82.9	83.4	84.3	84.4	84.6	84.9	84.9	85.1	85.2	85.7	85.9
GE 1800	12.5	76.0	80.9	82.7	85.1	85.4	85.9	86.8	86.9	87.1	87.4	87.4	87.5	87.6	88.2	88.4
GE 1600	12.6	76.7	81.6	83.4	85.7	86.1	86.7	87.5	87.6	87.8	88.2	88.2	88.3	88.4	88.9	89.1
GE 1400	12.7	77.3	82.4	84.2	86.4	87.1	87.6	88.5	88.6	88.8	89.2	89.2	89.5	89.6	90.1	90.3
GE 1200	12.7	77.4	82.6	84.4	87.1	87.3	87.8	88.7	88.8	89.0	89.5	89.5	89.7	89.8	90.7	90.5
GE 1000	12.7	77.6	82.8	84.7	87.6	88.0	88.6	89.5	89.6	89.8	90.2	90.2	90.4	90.5	91.1	91.3
GE 900	12.7	77.7	82.9	84.8	87.7	88.1	88.7	89.7	89.8	90.0	90.4	90.4	90.6	90.8	91.3	91.5
GE 800	12.7	77.7	82.9	84.8	87.7	88.1	88.9	89.9	90.0	90.2	90.6	90.6	90.9	91.0	91.5	91.7
GE 700	12.7	78.0	83.2	85.5	88.7	89.0	90.2	91.2	91.3	91.5	91.9	91.9	92.2	92.3	92.8	93.0
GE 600	12.7	78.1	83.5	85.8	89.1	89.5	90.6	91.6	91.7	91.9	92.4	92.4	92.6	92.7	93.2	93.4
GE 500	12.7	78.2	83.5	86.7	90.1	90.5	91.9	93.0	93.2	93.8	94.2	94.2	94.4	94.5	95.1	95.3
GE 400	12.7	78.2	84.0	87.1	90.5	91.1	92.5	93.9	94.2	94.8	95.3	95.3	95.6	95.7	96.3	96.7
GE 300	12.7	78.2	84.0	87.2	91.6	91.3	92.9	94.7	95.1	95.9	96.5	96.7	97.2	97.3	98.0	98.4
GE 200	12.7	78.2	84.0	87.2	90.8	91.4	93.1	95.2	95.5	96.3	97.0	97.4	98.0	98.1	98.8	99.4
GE 100	12.7	78.2	84.1	87.3	90.9	91.5	93.2	95.3	95.6	96.5	97.1	97.5	98.1	98.2	98.9	99.9
GE 0	12.7	78.2	84.1	87.3	90.9	91.5	93.2	95.3	95.6	96.5	97.1	97.5	98.1	98.3	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

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

CEILING FEET	VISIBILITY IN STATUTE MILES																			
	IN 1	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 5/10	GE 1/4	GE 0			
NO CEIL	10.7	51.3	52.9	53.0	53.2	53.2	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4			
CE 20000	10.6	54.4	56.1	56.2	56.5	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7			
CE 18000	10.6	54.5	56.2	56.3	56.6	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8			
CE 16000	10.6	54.7	56.3	56.6	56.6	56.6	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0			
CE 14000	11.0	56.0	57.7	57.8	58.1	58.1	58.1	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3			
CE 12000	11.4	57.1	58.8	58.9	59.1	59.1	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4			
CE 10000	11.8	61.0	63.0	63.1	63.3	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5			
CE 9000	11.8	61.1	63.1	63.2	63.4	63.4	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7			
CE 8000	11.9	64.9	67.3	67.4	67.6	67.6	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8			
CE 7000	11.9	66.9	69.7	69.8	70.0	70.0	70.0	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6			
CE 6000	11.9	69.0	71.8	72.0	72.6	72.6	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2			
CE 5000	12.3	70.5	73.4	73.9	74.4	74.4	74.8	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2			
CE 4700	12.3	71.2	74.2	74.5	75.0	75.0	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8			
CE 4400	12.3	73.0	76.6	77.2	78.1	78.4	78.5	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8			
CE 4000	12.3	73.7	77.2	78.0	78.8	79.1	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6			
CE 3800	12.5	75.8	79.5	80.3	81.3	81.7	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3			
CE 3500	12.8	76.2	81.8	82.9	84.1	84.5	84.7	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2			
CE 3000	13.1	81.3	85.1	86.1	87.4	87.6	88.1	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5			
CE 2800	13.1	81.6	85.4	86.5	87.7	88.2	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6			
CE 2500	13.3	83.0	87.1	88.4	89.7	90.1	90.3	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8			
CE 2300	13.3	83.9	88.1	89.5	90.8	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8			
CE 2000	13.3	83.9	88.1	89.5	90.8	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8			
CE 1800	13.3	83.9	88.1	89.5	90.8	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8			
CE 1600	13.3	83.9	88.1	89.5	90.8	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8			
CE 1400	13.3	83.9	88.1	89.5	90.8	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8			
CE 1200	13.3	83.9	88.1	89.5	90.8	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8			
CE 1000	13.3	83.9	88.1	89.5	90.8	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8			
CE 900	13.3	83.9	88.1	89.5	90.8	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8			
CE 800	13.3	83.9	88.1	89.5	90.8	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8			
CE 700	13.3	83.9	88.1	89.5	90.8	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8			
CE 600	13.3	83.9	88.1	89.5	90.8	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8			
CE 500	13.3	83.9	88.1	89.5	90.8	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8			
CE 400	13.3	83.9	88.1	89.5	90.8	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8			
CE 300	13.3	83.9	88.1	89.5	90.8	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8			
CE 200	13.3	83.9	88.1	89.5	90.8	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8			
CE 100	13.3	83.9	88.1	89.5	90.8	91.2	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8			
NO CEIL	13.3	85.2	89.1	92.2	94.3	95.1	96.0	97.7	98.0	98.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8			

TOTAL NUMBER OF OBSERVATIONS: 936

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395

STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 77-86

MONTH: MAY

HOURS (LST): 1200-1400

CEILING

VISIBILITY IN STATUTE MILES

FLEET	I	CE	VISIBILITY IN STATUTE MILES															
			1	1/2	3/4	1	1/2	3/4	1	1/2	3/4	1	1/2	3/4	1	1/2	3/4	
NO CEILING		0-7	47.5	49.5	49.5	49.5	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GF 2000	10.5		53.7	55.7	56.0	56.7	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GF 1800	10.5		53.9	56.0	56.3	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GF 1600	10.5		54.0	56.1	56.5	56.5	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GF 1400	10.5		54.5	56.7	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	57.4
GF 1200	10.5		55.5	57.8	58.2	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GF 1000	11.2		62.5	62.2	62.5	62.4	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GF 900	11.2		60.1	62.5	63.3	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GF 800	11.7		62.7	65.4	65.9	66.7	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GF 700	12.2		64.9	67.6	68.2	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GF 600	12.4		67.2	70.0	70.8	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GF 500	12.5		68.6	71.5	72.3	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GF 400	12.5		69.5	72.4	73.1	73.5	73.5	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GF 300	12.6		72.8	76.2	77.4	78.1	78.1	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GF 250	12.6		74.8	78.7	80.0	80.3	80.8	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GF 200	13.1		78.1	82.0	83.3	84.2	84.2	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GF 150	13.5		81.4	85.6	86.9	87.7	87.8	88.1	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
GF 100	13.5		82.3	86.6	88.0	89.0	89.2	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GF 50	13.5		82.7	87.0	88.6	89.3	90.0	90.2	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GF 1500	13.9		84.1	88.0	90.3	91.7	91.5	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GF 1000	13.9		86.9	90.0	91.7	93.4	93.4	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GF 800	13.9		85.5	90.6	92.4	94.1	94.3	95.1	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
GF 600	13.9		85.9	91.2	93.0	94.4	95.1	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GF 400	13.9		86.1	91.5	93.2	95.1	95.3	96.3	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GF 200	13.9		86.1	91.6	93.3	95.3	95.5	96.6	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GF 100	13.9		86.1	91.6	93.3	95.5	95.7	96.8	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GF 500	13.9		86.1	91.7	93.5	95.7	95.9	97.0	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GF 400	13.9		86.1	91.7	93.5	95.5	96.1	97.4	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GF 300	13.9		86.1	91.7	93.5	95.8	96.1	97.5	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
GF 200	13.9		86.1	91.7	93.5	95.5	96.1	97.5	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GF 100	13.9		86.1	91.7	93.5	95.5	96.1	97.5	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
GF 50	13.9		86.1	91.7	93.5	95.5	96.1	97.5	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ATC  
AFW WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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

CEILING FEET	VISIBILITY IN STATUTE MILES															
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	4/16	1/4	0
NO CEIL	100.3	47.4	49.0	59.2	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 2000	11.0	54.6	57.1	57.4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 1800	11.0	54.7	57.1	57.5	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 1600	11.0	54.8	57.2	57.6	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 1400	11.0	54.9	57.3	57.7	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 1200	11.7	56.3	59.1	59.7	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 1000	11.6	58.7	61.0	62.2	62.3	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 900	11.6	59.8	62.8	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 800	11.9	62.7	65.9	66.9	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 700	12.7	64.9	68.4	69.4	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 600	12.8	66.9	70.4	71.4	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 500	13.1	68.8	72.4	73.5	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 450	13.2	70.0	73.7	74.9	75.5	75.6	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 400	13.3	74.9	78.9	80.5	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 350	13.3	76.7	81.1	82.7	84.0	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 300	13.9	80.0	85.2	86.8	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 250	14.0	81.9	87.3	89.0	90.4	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 200	14.0	83.2	88.6	90.5	92.0	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 150	14.0	83.9	89.8	91.7	93.5	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 120	14.0	84.5	91.2	93.1	95.1	95.5	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 100	14.0	84.5	91.2	93.2	95.3	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 90	14.0	84.7	91.6	93.8	95.7	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 80	14.0	84.7	91.6	93.8	96.1	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 70	14.0	84.9	92.0	94.2	96.7	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
GE 60	14.0	85.2	92.7	94.8	97.4	98.0	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 50	14.0	85.3	92.5	95.1	97.6	98.2	98.5	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 40	14.0	85.3	92.5	95.2	97.7	98.3	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
GE 30	14.0	85.3	92.5	95.3	97.8	98.4	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 20	14.0	85.3	92.5	95.3	97.7	98.4	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 15	14.0	85.3	92.5	95.3	97.4	98.4	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
GE 10	14.0	85.3	92.5	95.3	97.2	98.4	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: MAY HOURS (LST): 1900-2000

FORM 111

CEILING FEET	VISIBILITY IN STATUTE MILES																	
	10	6	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		
NO CEIL	9.4	47.6	48.9	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	
GF 2500	10.8	55.5	57.5	58.5	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	
GF 1800	10.8	55.7	57.7	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	
GF 1600	10.8	55.8	57.8	58.8	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	
GF 1400	10.9	56.1	58.1	59.1	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	
GF 1200	11.4	58.4	60.3	61.7	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	
GF 1000	11.8	61.4	64.0	65.3	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	
GF 900	12.0	61.8	64.4	65.7	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	
GF 800	12.4	65.7	68.5	69.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	
GF 700	12.9	67.3	70.0	71.3	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	
GF 600	12.6	68.8	71.7	73.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	
GF 500	12.6	70.0	73.3	74.6	76.3	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	
GF 450	12.6	70.9	74.2	75.9	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	
GF 400	12.6	71.0	74.3	76.0	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	
GF 350	12.7	76.8	80.9	82.9	85.1	85.2	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	
GF 300	12.0	78.7	83.4	85.6	88.1	88.2	88.4	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	
GF 250	12.7	80.3	85.3	87.4	90.1	90.2	90.6	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	
GF 200	12.2	81.0	86.5	88.6	91.7	91.6	92.0	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	
GF 180	12.3	81.5	87.1	89.2	92.2	92.3	92.7	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	
GF 150	12.3	82.2	87.8	89.9	92.9	93.0	93.4	93.8	93.9	94.1	94.0	94.0	94.0	94.0	94.0	94.0	94.0	
GF 120	12.4	82.7	88.4	90.5	93.4	93.5	94.2	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	
GF 100	12.4	82.8	88.7	90.9	94.1	94.7	95.2	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	
GF 90	12.4	82.9	88.9	91.2	94.3	94.6	95.4	95.8	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	
GF 80	12.4	83.0	89.0	91.3	94.4	94.7	95.4	95.8	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	
GF 70	12.4	83.1	89.1	91.4	94.5	94.8	95.4	95.8	96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
GF 60	12.4	83.2	89.2	91.5	94.6	94.9	95.5	95.9	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	
GF 50	12.4	83.3	89.3	91.6	94.7	95.0	95.6	96.0	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
GF 40	12.4	83.3	89.3	91.6	94.7	95.0	95.6	96.0	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
GF 30	12.4	83.3	89.3	91.6	94.7	95.0	95.6	96.0	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
GF 20	12.4	83.3	89.3	91.6	94.7	95.0	95.6	96.0	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	
GF 10	12.4	83.3	89.3	91.6	94.7	95.0	95.6	96.0	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
 USAF/AFAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

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

CEILING FEET	VISIBILITY IN STATUTE MILES																	
	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4	4 1/4	4 1/2	4 3/4
NO CEIL	10.0	53.5	54.4	55.6	56.3	56.5	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
2000	10.8	58.0	58.8	60.1	60.9	61.0	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
1800	10.8	58.0	58.8	60.1	60.9	61.0	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
1600	10.8	58.0	58.8	60.1	60.9	61.0	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
1400	10.8	58.2	59.0	60.3	61.1	61.2	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
1200	11.3	61.5	61.8	63.1	63.9	64.0	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
1000	11.8	63.9	64.8	66.1	67.0	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
900	11.8	64.5	65.5	66.8	67.6	67.7	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
800	11.8	67.5	68.6	70.3	71.2	71.3	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
700	12.2	69.0	70.4	71.9	72.9	73.0	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
600	12.2	69.8	71.2	72.7	73.7	73.8	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
500	12.3	72.3	74.1	75.7	77.1	77.2	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
450	12.3	72.8	75.2	76.9	78.2	78.4	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
400	12.3	76.3	81.3	83.2	84.3	84.9	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
350	12.3	78.5	81.5	83.4	85.3	85.4	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
300	12.6	80.0	83.1	85.3	87.2	87.4	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
250	12.7	81.0	84.3	86.5	88.4	88.6	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
200	12.9	81.8	85.0	87.7	89.4	90.1	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
180	12.9	81.8	85.0	87.8	89.7	90.2	91.1	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
160	12.9	82.7	86.1	88.7	90.9	91.1	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
140	12.9	82.8	86.7	89.9	91.3	91.6	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
120	13.0	83.2	87.3	89.8	92.4	92.4	93.4	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
100	13.2	83.4	87.7	90.0	92.5	92.9	94.0	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
90	13.2	83.4	87.8	90.1	92.6	93.2	94.3	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
80	13.2	83.4	87.8	90.4	92.7	93.5	94.6	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
70	13.2	83.4	88.2	90.4	92.9	93.5	94.6	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
60	13.2	83.4	88.2	90.4	92.9	93.5	94.6	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
50	13.2	83.4	88.2	90.4	92.9	93.5	94.6	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
40	13.2	83.4	88.2	90.4	92.9	93.5	94.6	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
30	13.2	83.4	88.2	90.4	92.9	93.5	94.6	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
20	13.2	83.4	88.2	90.4	92.9	93.5	94.6	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
10	13.2	83.4	88.2	90.4	92.9	93.5	94.6	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5

TOTAL NUMBER OF OBSERVATIONS: 930

CLIMATE BUREAU OF METEOROLOGY  
WASHINGTON, D. C.

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

UNITED STATES WEATHER SERVICE

STATION NUMBER: 72635 STATION NAME: WOODS WORTH AFB MI

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

CEILING

VISIBILITY IN STATUTE MILES

FEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
NO. OF	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1	92.9	92.7	91.3	91.8	92.4	92.4	92.4	92.4	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.7	92.7	
2	84.7	84.7	84.6	84.3	84.9	84.9	84.9	84.9	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.2	85.3	
3	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	
4	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	
5	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	
6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	
7	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	
8	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	
9	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	
10	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	64.2	64.2	64.2	
11	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	
12	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	
13	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	
14	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	
15	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	
16	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	
17	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	
18	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	83.4	
19	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	
20	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	
21	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	
22	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	
23	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	
24	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	94.6	
25	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	
26	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	
27	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
28	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	
29	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	
30	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	
31	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
32	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
33	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
34	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	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7440

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR WEATHER SERVICE/WAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 706355 STATION NAME: WASHINGTON METRO

PERIOD OF RECORD: 77-80  
 MONTH: JUN. HOURS(CEILING): 0000-2300

CEILING FEET	VISIBILITY IN STATUTE MILES																	
	1	1/8	1/4	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	3 1/4	3 1/2	3 3/4	4
NO CLIC	13.1	60.2	62.2	63.9	65.3	65.6	65.7	65.7	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.3
GF 2000	13.9	63.1	65.2	67.2	68.7	68.9	69.0	69.0	69.1	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.7
GF 1800	13.9	63.2	65.3	67.6	69.1	69.2	69.3	69.3	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.0
GF 1600	13.9	63.2	65.3	67.6	69.1	69.2	69.3	69.3	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	70.0
GF 1400	13.9	63.8	65.9	68.1	69.7	70.0	70.1	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6
GF 1200	13.8	64.6	66.7	68.9	70.7	70.8	70.9	70.9	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.5
GF 1000	14.0	66.2	68.6	70.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
GF 900	14.0	67.3	69.8	72.0	73.8	73.9	74.1	74.3	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GF 800	14.2	70.7	73.7	76.0	77.8	77.9	78.1	78.3	78.4	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GF 700	14.2	72.2	75.4	77.8	79.6	79.7	80.1	80.1	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GF 600	14.4	73.6	76.9	79.7	81.1	81.2	81.7	81.7	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GF 500	14.6	74.9	78.2	80.8	82.7	82.8	83.2	83.2	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GF 450	14.6	76.3	79.7	82.6	84.9	84.9	85.0	85.0	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GF 400	14.9	78.1	82.1	85.0	87.1	87.1	87.7	87.7	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
GF 350	14.9	78.1	82.1	85.2	87.6	87.7	88.2	88.2	88.3	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GF 300	14.9	79.8	83.7	86.9	89.2	89.4	90.0	90.0	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GF 250	15.0	81.1	85.2	88.2	90.7	90.9	91.4	91.4	91.6	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GF 200	15.0	81.9	85.9	88.7	91.3	91.7	92.4	92.4	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GF 180	15.0	81.7	85.7	88.7	91.5	91.9	92.7	92.7	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GF 160	15.0	82.3	86.3	89.6	92.2	92.6	93.3	93.3	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GF 140	15.0	82.4	86.4	89.7	92.4	92.6	93.6	93.6	93.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GF 120	15.0	82.6	86.7	89.9	92.7	93.0	93.8	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GF 100	15.0	82.6	86.7	89.9	92.7	93.1	93.9	94.0	94.1	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GF 80	15.0	82.7	86.8	90.0	93.3	93.3	94.1	94.2	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GF 60	15.0	83.2	87.1	90.4	93.7	94.1	94.9	95.0	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GF 40	15.0	83.1	87.2	91.1	94.7	94.7	95.6	95.7	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GF 20	15.0	83.1	87.2	91.1	94.7	94.9	95.9	96.1	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GF 0	15.0	83.1	87.2	91.1	94.7	95.1	96.2	96.6	97.0	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS: 900

LOCAL CLIMATOLOGY BRANCH  
WFO/STL

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

MIN. WEATHER SERVICE/PAC

STATION NUMBER: 726395 STATION NAME: WOODSKITH AFB MI

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

CEILING	VISIBILITY IN STATUTE MILES																		
	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	
60-600	17.3	54.2	55.9	58.1	60.1	60.3	60.6	61.0	61.1	61.6	61.7	61.8	61.9	61.8	61.7	61.2	61.2	61.2	61.2
60-600	17.0	57.1	59.1	61.0	63.0	63.6	64.1	64.7	64.8	65.2	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
60-600	17.0	57.3	59.3	61.9	63.7	64.1	64.9	65.0	65.1	65.6	65.7	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0
60-600	17.0	57.3	59.3	62.0	64.0	64.2	64.6	65.1	65.2	65.7	65.8	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1
60-600	17.0	57.3	59.5	62.5	64.5	64.6	65.1	65.7	65.8	66.2	66.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7
60-600	17.0	58.0	60.9	63.6	65.6	65.6	66.1	66.7	66.8	67.2	67.3	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7
60-600	17.3	61.7	64.1	67.1	69.1	69.3	69.8	70.3	70.4	70.9	71.0	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
60-600	17.3	62.2	64.9	67.7	69.9	70.1	70.6	71.1	71.2	71.7	71.8	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1
60-600	17.7	69.7	68.5	71.6	73.6	73.9	74.3	74.9	75.0	75.4	75.6	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9
60-600	18.7	60.8	69.6	72.8	75.1	75.4	75.9	76.4	76.6	77.0	77.1	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4
60-600	18.7	68.0	71.0	74.3	76.7	77.0	77.4	78.0	78.0	78.7	78.8	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1
60-600	17.9	69.7	72.8	76.7	78.6	78.7	79.7	80.2	80.4	80.9	81.0	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4
60-600	17.9	70.6	74.0	77.8	80.3	80.6	81.2	81.9	82.1	82.6	82.7	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0
60-600	18.3	72.9	76.7	80.7	83.7	84.1	84.6	85.2	85.4	85.9	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3
60-600	18.7	73.3	77.2	81.2	84.2	84.7	85.1	85.6	86.0	86.4	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
60-600	18.0	74.8	78.8	82.8	86.1	86.6	87.0	87.7	87.9	88.3	88.4	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8
60-600	18.9	75.1	79.0	83.6	87.1	87.4	87.9	88.6	88.8	89.2	89.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8
60-600	19.3	76.9	80.7	84.8	87.7	88.1	88.6	89.2	89.4	89.9	90.0	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
60-600	18.7	75.9	80.1	84.4	87.9	88.3	88.8	89.4	89.7	90.1	90.2	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6
60-600	18.0	76.7	80.9	85.2	88.7	89.2	89.7	90.3	90.6	91.0	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
60-600	18.0	77.0	81.2	85.6	89.1	89.6	90.2	90.9	91.1	91.7	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
60-600	18.1	77.7	82.1	86.4	90.0	90.8	91.2	91.9	92.1	92.7	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
60-600	18.1	77.7	82.1	86.4	90.0	90.6	91.2	91.9	92.1	92.7	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
60-600	18.1	77.6	82.0	86.0	90.0	91.0	91.6	92.4	92.7	93.2	93.3	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7
60-600	18.1	77.8	82.3	86.7	90.9	91.2	92.0	92.7	92.9	93.4	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
60-600	18.1	78.0	82.6	87.1	91.4	92.2	93.1	93.6	94.1	94.7	94.8	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4
60-600	18.1	78.0	82.6	87.1	91.4	92.2	93.1	93.6	94.1	94.7	94.8	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4
60-600	18.1	78.2	83.0	87.4	91.7	92.8	94.0	95.1	95.4	96.1	96.1	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9
60-600	18.1	78.2	83.0	87.4	91.7	92.9	94.2	95.7	96.3	97.0	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
60-600	18.1	78.2	83.0	87.4	91.7	92.9	94.2	95.7	96.3	97.0	97.0	97.2	97.6	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS: 901



AD-A183 304

WRIGHTSMITH AFB MICHIGAN REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVA... (U) AIR FORCE ENVIRONMENTAL  
TECHNICAL APPLICATIONS CENTER SCOTT A... 12 JUN 87  
USAFETAC DS-87/043

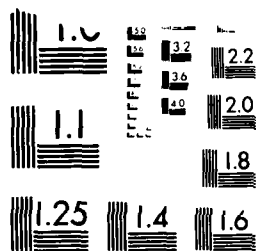
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 726395 STATION NAME: Wurtsmith AFB MI

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

CEILING

VISIBILITY IN STATUTE MILES

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	12.2	51.8	53.0	54.2	55.6	56.9	56.6	56.9	57.0	57.2	57.4	57.4	57.4	57.4	57.4	57.4
GE 20000	12.8	57.3	58.8	60.1	61.4	61.8	62.4	62.8	63.0	63.2	63.4	63.4	63.4	63.4	63.4	63.8
GE 18000	12.8	57.7	59.1	60.4	61.3	62.1	62.8	63.1	63.3	63.6	63.8	63.8	63.8	63.8	63.8	64.1
GE 16000	12.8	58.2	59.7	61.0	62.1	62.7	63.3	63.7	63.9	64.1	64.3	64.3	64.3	64.3	64.3	64.7
GE 14000	12.8	58.7	60.2	61.6	62.9	63.2	63.9	64.2	64.4	64.7	64.9	64.9	64.9	64.9	64.9	65.2
GE 12000	12.8	59.7	61.4	63.3	64.8	65.1	65.8	66.2	66.4	66.7	66.9	66.9	66.9	66.9	66.9	67.2
GE 10000	13.7	63.2	65.0	67.1	68.6	68.9	69.6	70.0	70.2	70.6	70.8	70.8	70.8	70.8	70.8	71.1
GE 9000	13.7	63.6	65.3	67.4	68.9	69.2	69.9	70.3	70.6	70.9	71.1	71.1	71.1	71.1	71.1	71.4
GE 8000	14.4	67.4	70.0	72.1	73.8	74.1	74.8	75.2	75.4	75.8	76.0	76.0	76.0	76.0	76.0	76.3
GE 7000	14.6	68.3	71.3	73.6	75.6	75.9	76.6	77.0	77.2	77.6	77.8	77.8	77.8	77.8	77.8	78.1
GE 6000	14.6	69.1	72.3	74.6	76.6	76.9	77.6	78.0	78.2	78.6	78.8	78.8	78.8	78.8	78.9	79.2
GE 5000	14.6	70.8	74.3	76.7	78.9	79.2	79.9	80.3	80.6	80.9	81.1	81.1	81.2	81.2	81.2	81.6
GE 4500	14.6	71.0	74.6	77.0	79.2	79.6	80.3	80.8	81.0	81.3	81.6	81.6	81.7	81.7	81.7	82.0
GE 4000	14.7	72.7	76.3	78.8	81.1	81.4	82.3	82.8	83.0	83.4	83.7	83.7	83.8	83.8	83.8	84.1
GE 3500	14.7	73.3	77.0	79.6	82.1	82.3	83.2	83.8	84.0	84.6	84.8	84.8	84.9	84.9	84.9	85.2
GE 3000	14.9	74.4	78.1	80.7	83.3	83.7	84.6	85.1	85.3	85.9	86.1	86.1	86.2	86.2	86.2	86.6
GE 2500	14.9	75.1	78.8	81.3	84.0	84.3	85.2	85.8	86.0	86.6	86.8	86.8	86.9	86.9	86.9	87.2
GE 2000	14.9	76.3	80.2	82.8	85.4	85.7	86.6	87.4	87.7	88.2	88.4	88.4	88.6	88.6	88.6	88.9
GE 1800	14.9	76.6	80.4	83.0	85.7	86.0	86.9	87.7	87.9	88.4	88.7	88.7	88.8	88.8	88.8	89.1
GE 1600	14.9	77.7	81.6	84.3	87.1	87.4	88.4	89.0	89.2	89.8	89.9	90.0	90.1	90.1	90.1	90.4
GE 1500	14.9	78.0	81.9	84.8	87.6	88.0	88.9	89.4	89.7	90.2	90.4	90.4	90.6	90.6	90.6	90.9
GE 1400	15.1	78.9	82.8	85.7	88.6	89.1	90.0	90.6	90.9	91.4	91.7	91.7	91.8	91.8	91.8	92.1
GE 1300	15.1	79.1	83.2	86.1	89.1	89.7	90.9	91.4	91.8	92.3	92.6	92.6	92.7	92.7	92.7	93.0
GE 1200	15.1	79.3	83.4	86.4	89.5	90.3	91.3	92.0	92.3	92.9	93.1	93.1	93.2	93.2	93.2	93.6
GE 1100	15.1	79.4	83.6	86.6	89.8	90.7	91.8	92.4	92.8	93.3	93.6	93.6	93.7	93.7	93.7	94.0
GE 1000	15.1	79.6	83.8	87.0	90.7	91.4	92.7	93.3	93.7	94.2	94.4	94.4	94.6	94.6	94.6	94.9
GE 900	15.1	79.9	84.2	87.4	91.2	92.3	94.1	94.9	95.2	95.8	96.0	96.0	96.1	96.1	96.1	96.4
GE 800	15.1	79.9	84.3	87.6	91.4	92.6	94.3	95.3	95.7	96.4	96.7	96.7	96.8	96.8	96.8	97.1
GE 700	15.1	79.9	84.3	87.6	91.6	92.7	94.8	96.0	96.6	97.6	97.9	97.9	98.1	98.1	98.1	98.7
GE 600	15.1	79.9	84.3	87.6	91.6	92.7	94.8	96.0	96.7	97.8	98.1	98.1	98.2	98.2	98.2	98.8
GE 500	15.1	79.9	84.3	87.6	91.6	92.7	94.8	96.0	96.7	97.8	98.1	98.1	98.2	98.2	98.2	98.8
GE 400	15.1	79.9	84.3	87.6	91.6	92.7	94.8	96.0	96.7	97.8	98.1	98.1	98.2	98.2	98.2	98.8
GE 300	15.1	79.9	84.3	87.6	91.6	92.7	94.8	96.0	96.7	97.8	98.1	98.1	98.2	98.2	98.2	98.8
GE 200	15.1	79.9	84.3	87.6	91.6	92.7	94.8	96.0	96.7	97.8	98.1	98.1	98.2	98.2	98.2	98.8
GE 100	15.1	79.9	84.3	87.6	91.6	92.7	94.8	96.0	96.7	97.8	98.1	98.1	98.2	98.2	98.2	98.8
GE 0	15.1	79.9	84.3	87.6	91.6	92.7	94.8	96.0	96.7	97.8	98.1	98.1	98.2	98.2	98.2	98.8

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VFRSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WDWTSMITH AFB MI PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS(IST): 0900-1100

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	17.1	52.8	54.7	55.3	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 20000	12.4	57.2	59.1	59.8	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7
GE 18000	12.4	57.2	59.1	59.8	60.4	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7
GE 16000	12.4	57.3	59.2	59.9	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8
GE 14000	12.8	58.8	60.7	61.3	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2
GE 12000	12.8	59.9	61.8	62.4	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.3
GE 10000	13.4	64.4	66.8	67.4	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3
GE 9000	13.4	65.1	67.4	68.1	68.8	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.0
GE 8000	14.3	67.2	69.7	70.6	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.6
GE 7000	14.4	68.4	71.4	72.6	73.6	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9
GE 6000	14.4	68.9	72.0	73.2	74.2	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.6
GE 5000	14.4	70.6	73.8	75.1	76.2	76.3	76.3	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7
GE 4500	15.0	71.2	74.6	75.9	77.0	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4
GE 4000	15.2	73.3	76.8	78.4	79.8	79.9	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.3
GE 3500	15.3	74.8	78.3	80.0	81.3	81.4	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1
GE 3000	15.8	76.6	80.1	81.8	83.3	83.4	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2
GE 2500	15.8	77.8	81.3	83.1	84.4	84.5	85.2	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8
GE 2000	16.2	80.9	84.4	86.7	88.3	88.6	88.8	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4
GE 1800	16.2	81.3	84.9	87.1	88.4	88.5	89.2	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9
GE 1500	16.2	82.7	86.6	89.0	90.9	91.1	91.3	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	92.0
GE 1200	16.2	83.4	87.6	90.2	92.3	92.6	92.8	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4
GE 1000	16.2	84.6	88.7	91.7	93.3	94.0	94.2	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9
GE 900	16.2	84.7	88.9	91.9	94.0	94.2	94.4	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.1
GE 800	16.2	84.8	89.1	92.2	94.4	94.8	95.0	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7
GE 700	16.2	84.9	89.3	92.4	94.7	95.0	95.2	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 600	16.2	85.0	89.8	92.9	95.1	95.8	96.0	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9
GE 500	16.2	85.2	90.0	93.3	95.7	96.4	96.8	97.4	97.8	97.9	97.9	97.9	97.9	97.9	97.9	98.0
GE 400	16.2	85.2	90.2	93.3	95.8	96.6	96.9	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.2
GE 300	16.2	85.2	90.2	93.4	96.0	96.8	97.1	98.0	98.4	98.9	99.0	99.0	99.0	99.1	99.1	99.3
GE 200	16.2	85.2	90.2	93.4	96.0	96.8	97.1	98.0	98.7	99.1	99.3	99.4	99.6	99.6	99.6	99.8
GE 100	16.2	85.2	90.2	93.4	96.0	96.8	97.1	98.0	98.7	99.1	99.3	99.4	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WORTSMITH AFB HI

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

CEILING FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GF 1 1/2	GE 1 1/4	GF 1	GE 3/4	GF 5/8	GE 1/2	GF 5/16	GE 1/4	GF 0
NO CEIL	10.2	44.8	46.3	45.8	46.3	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 2000	11.3	53.3	55.0	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 1800	11.6	53.6	55.2	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 1600	11.6	53.7	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	56.0
GE 1400	12.0	54.6	56.4	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 1200	12.0	55.6	57.2	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 1000	12.3	58.4	60.2	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 900	12.3	59.2	61.0	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
GE 800	13.1	62.6	64.7	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 700	13.1	65.2	67.4	68.4	68.5	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 600	13.1	66.0	68.2	69.2	69.3	69.4	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 500	13.3	67.6	69.9	70.9	71.0	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 400	13.4	68.3	70.8	71.8	71.9	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 300	13.8	73.4	76.0	77.6	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 200	14.9	77.8	80.4	82.1	82.3	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 100	16.7	82.7	85.8	87.4	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 100	16.9	84.7	88.0	89.7	90.4	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 200	17.0	87.1	90.6	92.3	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 180	17.0	87.4	90.9	92.7	93.4	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 160	17.0	88.6	92.0	93.8	94.9	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 140	17.0	88.7	92.0	94.1	95.3	95.4	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 120	17.8	86.9	93.4	94.6	95.0	95.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 100	17.0	88.9	92.4	94.6	95.8	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
GE 80	17.0	89.0	92.6	94.8	96.0	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 70	17.8	89.0	92.0	94.9	96.4	96.8	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 60	17.0	89.0	92.8	95.2	96.7	97.1	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 50	17.6	89.0	93.0	95.6	97.6	98.0	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
GE 40	17.0	89.0	92.8	95.6	97.8	98.2	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
GE 30	17.0	89.1	92.8	95.6	97.9	98.2	98.7	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
GE 20	17.0	89.0	92.8	95.6	97.9	98.2	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 10	17.6	89.0	92.8	95.6	97.9	98.2	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
GE 0	17.0	89.0	92.8	95.6	97.9	98.2	98.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

ATMOSPHERIC SERVICE/HRG

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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

CEILING FEET	VISIBILITY IN STATUTE MILES																
	10	6	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	
NO CEIL	11.6	40.0	50.3	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 2000	14.0	57.0	58.8	60.3	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	
GE 1800	14.0	57.2	59.0	60.6	60.5	60.8	60.8	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	
GE 1600	14.0	57.2	59.0	60.6	60.4	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	
GE 1400	14.3	58.7	60.4	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	
GE 1200	14.4	59.9	61.7	63.2	63.5	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	
GE 1000	14.8	63.3	65.2	66.8	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	
GE 900	14.8	64.1	66.0	67.6	67.7	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	
GE 800	15.7	68.4	70.7	72.0	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	
GE 700	15.7	69.6	71.8	73.4	73.5	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	
GE 600	15.9	70.3	72.7	74.3	74.7	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	
GE 500	16.0	72.4	75.0	76.7	77.1	77.4	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	
GE 400	16.0	73.4	76.0	77.7	78.1	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	
GE 300	16.3	76.8	79.0	81.4	81.0	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	
GE 200	17.3	80.1	83.7	85.0	85.4	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	
GE 100	18.6	84.4	88.1	90.2	90.7	91.4	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	
GE 2000	18.7	86.4	90.1	92.2	92.8	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	
GE 1800	18.8	87.1	91.1	93.3	93.9	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	
GE 1600	18.8	87.1	91.2	93.4	94.0	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	
GE 1400	19.1	88.4	92.7	95.1	95.7	96.7	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	
GE 1200	19.0	88.4	92.0	95.2	95.1	96.4	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
GE 1000	19.0	88.7	93.0	95.4	96.7	97.1	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	
GE 900	19.0	88.7	93.0	95.4	96.7	97.2	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	
GE 800	19.0	88.7	93.1	95.4	96.4	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	
GE 700	19.0	88.7	93.1	95.4	96.6	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	
GE 600	19.0	88.7	93.0	95.4	96.7	97.6	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
GE 500	19.0	88.7	93.1	95.7	96.9	97.8	98.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	
GE 400	19.0	88.8	93.2	95.8	97.1	98.1	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	
GE 300	19.0	89.8	93.2	95.8	97.1	98.2	98.6	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	
GE 200	19.0	88.8	93.2	95.8	97.1	98.2	98.7	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
GE 100	19.0	88.8	93.2	95.8	97.1	98.2	98.7	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/CATC  
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: Wurtsmith AFB MI

PERIOD OF RECORD: 77-86  
 MONTH: JUN HOURS/LS1: 1900-2000

CEILING	VISIBILITY IN STATUTE MILES																		
	10	9	8	7	6	5	4	3	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0	
NO CEIL	17.2	54.7	55.9	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	57.3	57.3
GF 2000	14.3	62.6	64.6	65.2	65.4	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GF 1800	14.3	62.6	64.6	65.2	65.4	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GF 1600	14.3	62.6	64.6	65.2	65.4	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GF 1400	14.6	63.7	65.1	66.6	66.9	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GF 1200	14.9	65.3	67.1	68.6	68.8	69.0	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GF 1000	15.2	69.1	71.3	72.8	73.0	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GF 900	15.2	70.0	72.2	73.7	73.9	74.1	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
GF 800	15.7	74.6	76.9	78.3	78.8	79.0	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
GF 700	16.1	76.7	79.0	80.4	81.6	81.3	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GF 600	16.4	77.9	80.2	81.8	82.3	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GF 500	16.9	80.3	82.9	84.4	85.1	85.4	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GF 450	16.9	81.3	84.1	85.7	86.3	86.7	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GF 400	17.4	83.3	86.1	88.0	88.7	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GF 350	17.4	84.2	87.1	88.9	89.6	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GF 300	17.9	85.8	88.7	90.4	91.4	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GF 250	17.9	86.9	90.0	91.8	93.1	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GF 200	17.9	87.6	90.8	92.7	94.1	95.0	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
GF 180	17.9	87.9	91.1	93.0	94.4	95.3	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GF 150	17.9	89.0	92.2	94.1	95.7	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GF 120	17.9	89.2	92.4	94.3	96.0	97.1	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GF 100	17.9	89.3	92.6	94.4	96.4	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GF 90	17.9	89.3	92.6	94.4	96.4	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GF 80	17.9	89.4	92.7	94.6	96.6	97.4	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GF 70	17.9	89.4	92.7	94.6	96.6	97.4	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GF 60	17.9	89.4	92.8	94.7	96.7	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GF 50	17.9	89.4	92.8	94.7	96.7	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GF 40	17.9	89.4	92.8	94.7	96.7	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GF 30	17.9	89.4	92.8	94.7	96.7	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GF 20	17.9	89.4	92.8	94.7	96.7	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GF 10	17.9	89.4	92.8	94.7	96.7	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GF 0	17.9	89.4	92.8	94.7	96.7	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/ATC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WU TSMITH AFB MI

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

CEILING	VISIBILITY IN STATUTE MILES																
	IN FEET	10	6	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
NO CEIL	17.7	61.2	62.9	64.6	65.6	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 20000	14.3	65.1	66.9	68.7	69.1	69.2	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 18000	14.4	65.2	67.0	68.8	69.2	69.3	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 16000	14.4	65.2	67.0	68.8	69.2	69.3	69.6	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 14000	14.4	65.6	67.6	69.4	69.7	70.0	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 12000	14.4	66.9	68.9	70.8	71.4	71.6	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 10000	14.7	69.9	72.2	74.1	74.9	75.0	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 9000	14.7	70.8	73.1	75.0	75.3	75.9	76.1	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 8000	15.1	74.8	77.7	79.7	80.6	80.7	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 7000	15.3	75.8	78.7	80.8	81.7	81.8	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 6000	15.6	76.2	79.1	81.2	82.3	82.4	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 5000	16.0	77.7	80.8	83.0	84.1	84.4	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 4500	16.0	78.4	81.6	83.9	85.2	85.3	85.6	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 4000	16.1	79.9	83.2	85.1	87.4	87.7	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 3500	16.1	80.6	84.4	87.0	88.7	88.9	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 3000	16.9	82.3	86.6	89.2	91.1	91.2	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 2500	16.9	83.2	87.6	90.1	92.1	92.3	93.9	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
GE 2000	16.9	83.3	87.6	90.2	92.9	92.9	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1800	16.9	83.3	87.6	90.2	92.9	92.9	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
GE 1500	16.9	83.7	88.1	90.7	92.9	93.3	94.3	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 1200	16.9	84.1	88.4	91.1	93.5	93.9	94.9	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1000	16.9	84.7	88.8	91.4	93.8	94.2	95.2	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 900	16.9	84.3	88.8	91.4	93.8	94.2	95.2	95.4	95.4	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 800	16.9	84.4	88.9	91.6	93.9	94.3	95.3	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
GE 700	16.9	84.8	89.0	91.8	94.2	94.9	96.0	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 600	16.9	84.6	89.1	91.8	94.4	95.0	96.1	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 500	16.9	84.6	89.1	92.0	94.4	95.4	96.8	97.0	97.3	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 400	16.9	84.7	89.1	92.1	94.5	95.6	97.1	97.3	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 300	16.9	84.7	89.1	92.1	94.5	95.6	97.1	97.7	98.0	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9
GE 200	16.9	84.7	89.1	92.1	94.5	95.6	97.1	97.7	98.0	98.6	98.7	98.8	98.9	98.9	98.9	98.9	98.9
GE 100	16.9	84.7	89.1	92.1	94.5	95.6	97.1	97.7	98.0	98.6	98.7	98.8	98.9	98.9	98.9	98.9	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: 726395 STATION NAME: Wurtsmith AFB MI

PERIOD OF RECORD: 77-86  
MONTH: JUN HOURS/ST: ALL

CEILING

VISIBILITY IN STATUTE MILES

	IN FEET	1 10	GE 6	GE 5	GF 4	GE 3	GE 2 1/2	GE 2	GF 1 1/2	GE 1 1/4	GE 1	GE 3/8	GF 1/2	GE 5/16	GF 1/4	GF 0
NO CEIL	12.2	53.5	55.2	56.5	57.2	57.3	57.4	57.5	57.6	57.7	57.7	57.8	57.8	57.8	57.8	57.8
GE 2000	13.3	59.1	60.9	62.3	63.1	63.2	63.4	63.6	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.8
GE 1800	13.3	59.3	61.0	62.5	63.3	63.4	63.6	63.8	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.0
GE 1600	13.3	59.3	61.1	62.6	63.4	63.5	63.7	63.9	63.9	64.0	64.1	64.1	64.1	64.1	64.1	64.1
GE 1400	13.5	60.2	62.0	63.6	64.4	64.5	64.7	64.8	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.1
GE 1200	13.5	61.3	63.2	64.8	65.7	65.8	66.0	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 1000	13.9	64.5	66.7	68.4	69.3	69.4	69.7	69.8	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1
GE 900	13.9	65.3	67.5	69.2	70.1	70.2	70.5	70.7	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9
GE 800	14.5	68.9	71.4	73.2	74.2	74.4	74.6	74.6	74.9	75.0	75.0	75.1	75.1	75.1	75.1	75.1
GE 700	14.8	70.4	73.1	75.0	76.1	76.3	76.5	76.7	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0
GE 600	14.8	71.3	74.1	76.0	77.2	77.4	77.6	77.8	77.9	78.0	78.1	78.1	78.1	78.2	78.2	78.2
GE 500	15.0	73.0	76.0	78.0	79.3	79.5	79.8	80.0	80.0	80.2	80.2	80.2	80.2	80.3	80.3	80.3
GE 450	15.0	73.8	76.9	79.0	80.3	80.6	80.8	81.1	81.2	81.3	81.3	81.3	81.4	81.4	81.4	81.4
GE 400	15.3	76.3	79.6	82.0	83.4	83.7	84.1	84.3	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6
GE 350	15.6	77.8	81.2	83.6	85.1	85.5	85.9	86.1	86.2	86.4	86.4	86.4	86.5	86.5	86.5	86.5
GE 300	16.2	80.1	83.7	86.2	87.9	88.2	88.7	88.9	89.0	89.2	89.2	89.3	89.3	89.3	89.3	89.3
GE 250	16.3	81.3	85.0	87.5	89.4	89.8	90.2	90.5	90.5	90.7	90.8	90.8	90.8	90.8	90.8	90.8
GE 200	16.3	82.4	86.1	88.9	90.9	91.3	91.7	92.0	92.1	92.3	92.3	92.3	92.3	92.4	92.4	92.4
GE 180	16.3	82.7	86.5	89.1	91.1	91.5	92.0	92.3	92.3	92.5	92.6	92.6	92.6	92.6	92.6	92.6
GE 160	16.4	83.6	87.5	90.2	92.3	92.8	93.3	93.6	93.6	93.8	93.9	93.9	93.9	93.9	93.9	93.9
GE 140	16.4	83.9	87.9	90.6	92.8	93.3	93.8	94.1	94.2	94.4	94.5	94.5	94.5	94.5	94.5	94.5
GE 120	16.4	84.4	88.4	91.2	93.4	93.9	94.5	94.8	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1
GE 100	16.4	84.4	88.5	91.3	93.6	94.1	94.6	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 90	16.4	84.5	88.5	91.4	93.7	94.3	94.9	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 80	16.4	84.5	88.6	91.5	93.8	94.5	95.1	95.4	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8
GE 70	16.4	84.6	88.6	91.7	94.0	94.6	95.3	95.6	95.7	96.0	96.2	96.2	96.3	96.3	96.3	96.3
GE 60	16.4	84.7	89.1	92.0	94.3	94.9	95.6	96.0	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.6
GE 50	16.4	84.8	89.1	92.1	94.4	95.1	95.8	96.3	96.3	96.7	96.9	96.9	96.9	96.9	96.9	96.9
GE 40	16.4	84.8	89.1	92.2	94.5	95.2	95.9	96.4	96.4	96.8	97.0	97.0	97.0	97.0	97.0	97.0
GE 30	16.4	84.8	89.1	92.2	94.5	95.2	95.9	96.4	96.4	96.8	97.0	97.0	97.0	97.0	97.0	97.0
GE 20	16.4	84.8	89.1	92.2	94.5	95.2	95.9	96.4	96.4	96.8	97.0	97.0	97.0	97.0	97.0	97.0
GE 10	16.4	84.8	89.1	92.2	94.5	95.2	95.9	96.4	96.4	96.8	97.0	97.0	97.0	97.0	97.0	97.0

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB HI

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

CEILING FEET	VISIBILITY IN STATUTE MILES																	
	1	1/2	1/4	1/8	1/16	1/32	1/64	1/128	1/256	1/512	1/1024	1/2048	1/4096	1/8192	1/16384	1/32768	1/65536	1/131072
NO CEILING	16.8	60.5	63.4	64.6	66.0	66.9	67.4	67.5	67.6	67.6	67.6	67.6	67.6	67.8	67.8	67.8	67.8	67.8
GE 20000	17.1	62.9	66.5	68.3	69.4	70.6	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.6
GE 18000	17.1	62.9	66.5	68.3	69.4	70.6	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.6	71.6	71.6	71.6	71.6
GE 16000	17.1	63.0	66.6	68.4	69.5	70.8	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7
GE 14000	17.1	63.2	66.6	68.6	70.1	71.0	71.5	71.6	71.7	71.7	71.7	71.7	71.7	71.9	71.9	71.9	71.9	71.9
GE 12000	17.7	64.4	68.0	69.8	71.3	72.2	72.7	72.8	72.9	72.9	72.9	72.9	72.9	73.1	73.1	73.1	73.1	73.1
GE 10000	17.6	67.7	71.3	73.4	74.9	75.6	76.3	76.5	76.6	76.6	76.6	76.6	76.6	76.9	76.9	76.9	76.9	76.9
GE 9000	17.6	68.0	71.9	74.1	75.9	76.8	77.3	77.4	77.5	77.5	77.5	77.5	77.5	77.8	77.8	77.8	77.8	77.8
GE 8000	17.7	71.4	75.6	78.0	79.4	80.6	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.7	81.7	81.7	81.7	81.7
GE 7000	17.5	73.4	77.8	80.3	82.7	83.1	83.9	84.0	84.1	84.1	84.1	84.1	84.1	84.4	84.4	84.4	84.4	84.4
GE 6000	17.8	74.6	79.0	81.5	83.4	84.3	85.1	85.2	85.3	85.3	85.3	85.3	85.3	85.6	85.6	85.6	85.6	85.6
GE 5000	17.8	75.5	80.2	82.9	84.4	85.7	86.6	86.7	86.8	86.8	86.8	86.8	86.8	87.1	87.1	87.1	87.1	87.1
GE 4000	17.4	75.8	80.6	83.3	85.3	86.1	87.0	87.1	87.2	87.2	87.2	87.2	87.2	87.5	87.5	87.5	87.5	87.5
GE 3000	17.6	78.0	83.7	86.0	88.1	89.1	90.0	90.1	90.2	90.2	90.2	90.2	90.2	90.5	90.5	90.5	90.5	90.5
GE 2000	17.9	74.5	84.1	86.8	89.0	89.9	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.3	91.3	91.3	91.3	91.3
GE 1000	17.7	79.8	85.5	88.4	90.7	91.5	92.5	92.6	92.7	92.7	92.7	92.7	92.7	93.0	93.0	93.0	93.0	93.0
GE 500	17.7	80.1	85.7	88.7	91.1	91.9	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.5	93.5	93.5	93.5	93.5
GE 200	17.7	80.8	86.7	89.7	92.1	92.9	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5
GE 100	17.7	80.9	86.6	89.6	92.0	92.8	93.9	94.1	94.2	94.3	94.3	94.3	94.3	94.6	94.6	94.6	94.6	94.6
GE 50	17.7	81.3	87.0	90.2	92.6	93.4	94.5	94.6	94.7	94.7	94.7	94.7	94.7	95.1	95.1	95.1	95.1	95.1
GE 20	17.7	82.0	87.6	91.0	93.3	94.2	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8
GE 10	17.5	82.5	88.3	91.5	93.9	94.7	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.3	96.3	96.3	96.3	96.3
GE 5	17.5	82.5	88.3	91.5	93.9	94.7	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.3	96.3	96.3	96.3	96.3
GE 2.5	17.5	82.6	88.6	91.6	94.1	94.9	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.6	96.6	96.6	96.6	96.6
GE 1.5	17.5	82.7	88.8	91.8	94.3	95.1	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.8	96.8	96.8	96.8	96.8
GE 1.0	17.5	82.8	88.9	91.9	94.4	95.2	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.9	96.9	96.9	96.9	96.9
GE 0.75	17.5	82.8	88.9	91.9	94.4	95.2	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.9	96.9	96.9	96.9	96.9
GE 0.5	17.5	82.8	88.9	91.9	94.4	95.2	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.9	96.9	96.9	96.9	96.9
GE 0.25	17.5	82.8	88.9	91.9	94.4	95.2	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.9	96.9	96.9	96.9	96.9
GE 0.1	17.5	82.8	88.9	91.9	94.4	95.2	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.9	96.9	96.9	96.9	96.9

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: 726395 STATION NAME: WURTSMITH AFB MI

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES															
	GE 10	GE 6	GE 5	GE 4	GE 3	GF 2 1/2	GE 2	GF 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	13.5	55.7	59.4	62.0	64.5	64.8	65.4	66.3	66.5	66.6	66.7	66.8	67.1	67.1	67.1	67.1
GE 2000	14.3	59.0	62.8	65.7	68.4	68.7	69.4	70.3	70.4	70.5	70.6	70.8	71.1	71.1	71.1	71.1
GE 1800	14.3	59.0	62.8	65.7	68.4	68.7	69.4	70.3	70.4	70.5	70.6	70.8	71.1	71.1	71.1	71.1
GE 1600	14.3	59.0	62.8	65.7	68.4	68.7	69.4	70.3	70.4	70.5	70.6	70.8	71.1	71.1	71.1	71.1
GE 1400	14.4	59.5	63.2	66.1	68.9	69.1	69.8	70.8	70.9	71.0	71.1	71.2	71.5	71.5	71.5	71.5
GE 1200	14.6	60.6	64.4	67.3	70.7	70.3	71.0	71.9	72.0	72.2	72.3	72.4	72.7	72.7	72.7	72.7
GE 1000	14.7	64.3	68.3	71.5	74.4	74.7	75.4	76.3	76.5	76.6	76.7	76.8	77.1	77.1	77.3	77.3
GE 900	14.7	64.8	69.0	72.3	75.4	75.7	76.3	77.3	77.4	77.5	77.6	77.7	78.1	78.1	78.3	78.3
GE 800	16.6	69.9	74.3	77.6	80.9	81.4	82.2	83.2	83.3	83.4	83.5	83.7	84.0	84.0	84.2	84.2
GE 700	16.8	71.4	76.0	79.4	82.6	83.1	84.0	85.1	85.2	85.3	85.4	85.5	85.8	85.8	86.0	86.0
GE 600	16.9	71.9	76.5	79.8	83.0	83.5	84.4	85.5	85.6	85.7	85.8	85.9	86.2	86.2	86.5	86.5
GE 500	17.0	72.8	77.8	81.3	84.7	85.3	86.1	87.2	87.3	87.4	87.5	87.6	88.0	88.0	88.2	88.2
GE 450	17.0	73.4	78.5	82.0	85.5	86.0	87.0	88.1	88.2	88.3	88.4	88.5	88.8	88.8	89.0	89.0
GE 400	17.3	74.6	80.0	83.7	87.5	88.1	89.1	90.2	90.3	90.4	90.5	90.6	91.0	91.0	91.2	91.2
GE 350	17.3	74.7	80.2	83.9	87.7	88.3	89.4	90.4	90.5	90.6	90.8	90.9	91.2	91.2	91.4	91.4
GE 300	17.3	75.7	81.4	85.2	89.0	89.9	91.1	92.2	92.3	92.4	92.5	92.6	92.9	92.9	93.1	93.1
GE 250	17.3	75.9	81.6	85.4	89.5	90.4	91.6	92.7	92.8	92.9	93.0	93.1	93.4	93.4	93.7	93.7
GE 200	17.3	76.6	82.3	86.0	90.9	91.4	92.6	93.7	93.8	93.9	94.0	94.1	94.4	94.4	94.6	94.6
GE 150	17.3	76.8	82.5	86.0	90.9	91.4	92.6	93.7	93.8	93.9	94.0	94.1	94.4	94.4	94.6	94.6
GE 100	17.3	76.9	82.6	86.3	91.2	91.7	93.0	94.1	94.2	94.3	94.4	94.5	94.8	94.8	95.1	95.1
GE 50	17.5	77.3	83.0	86.8	91.6	92.2	93.8	94.5	94.6	94.7	94.8	94.9	95.3	95.3	95.5	95.5
GE 1000	17.5	77.7	83.5	87.4	92.0	92.0	94.4	95.5	95.6	95.7	95.8	95.9	96.2	96.2	96.5	96.5
GE 900	17.5	77.7	83.5	87.7	92.1	92.3	94.7	95.8	95.9	96.0	96.1	96.2	96.6	96.6	96.8	96.8
GE 800	17.5	77.8	83.9	87.8	92.2	92.4	94.8	95.9	96.0	96.1	96.2	96.3	96.7	96.7	96.9	96.9
GE 700	17.5	78.0	84.0	88.0	92.7	92.5	94.9	96.0	96.1	96.2	96.3	96.5	96.8	96.8	97.0	97.0
GE 600	17.5	78.1	84.4	88.4	93.7	94.0	95.5	96.6	96.7	96.8	96.9	97.0	97.3	97.3	97.5	97.5
GE 500	17.5	78.2	84.5	88.5	93.9	94.1	95.6	96.7	96.8	96.9	97.0	97.1	97.4	97.4	97.6	97.6
GE 450	17.5	78.3	84.8	88.8	94.0	94.6	96.1	97.2	97.3	97.4	97.5	97.6	98.1	98.1	98.6	98.6
GE 400	17.5	78.3	84.8	88.8	94.0	94.6	96.1	97.3	97.4	97.7	97.8	98.0	98.5	98.5	99.0	99.0
GE 350	17.5	78.3	84.8	88.8	94.0	94.6	96.1	97.4	97.7	98.2	98.3	98.4	99.1	99.1	99.7	99.7
GE 300	17.5	78.3	84.8	88.8	94.0	94.6	96.1	97.4	97.7	98.4	98.5	98.6	99.4	99.4	100.0	100.0
GE 250	17.5	78.3	84.8	88.8	94.0	94.6	96.1	97.4	97.7	98.4	98.5	98.6	99.4	99.4	100.0	100.0
GE 200	17.5	78.3	84.8	88.8	94.0	94.6	96.1	97.4	97.7	98.4	98.5	98.6	99.4	99.4	100.0	100.0
GE 150	17.5	78.3	84.8	88.8	94.0	94.6	96.1	97.4	97.7	98.4	98.5	98.6	99.4	99.4	100.0	100.0
GE 100	17.5	78.3	84.8	88.8	94.0	94.6	96.1	97.4	97.7	98.4	98.5	98.6	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 726395 STATION NAME: WUPRTSMITH AFB MI

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

CEILING FEET	VISIBILITY IN STATUTE MILES																	
	7 1/2	7	6	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	
NO CEIL	16.8	50.2	52.4	53.9	56.7	56.2	57.2	57.8	58.0	58.3	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5
GE 2000	11.9	54.8	57.3	59.5	62.4	62.4	63.5	64.2	64.3	64.6	64.7	64.7	64.7	64.9	64.9	64.9	64.9	64.9
GE 1800	11.9	54.8	57.3	59.5	62.4	62.5	63.7	64.3	64.4	64.7	64.8	64.8	64.8	65.1	65.1	65.1	65.1	65.1
GE 1600	11.9	54.9	57.4	59.6	62.5	62.6	63.8	64.4	64.5	64.8	64.9	64.9	64.9	65.2	65.2	65.2	65.2	65.2
GE 1400	11.9	55.1	57.6	59.8	62.7	62.6	64.0	64.6	64.7	65.1	65.2	65.2	65.2	65.4	65.4	65.4	65.4	65.4
GE 1200	12.6	56.6	59.2	61.5	64.5	64.7	66.1	66.8	66.9	67.2	67.4	67.4	67.4	67.6	67.7	67.7	67.7	67.7
GE 1000	12.7	61.4	64.2	66.9	70.4	70.6	72.0	72.9	73.1	73.4	73.7	73.7	73.7	74.1	74.2	74.2	74.2	74.2
GE 900	13.7	61.4	64.3	67.1	71.0	71.2	72.6	73.5	73.8	74.1	74.3	74.3	74.3	74.7	74.8	74.8	74.8	74.8
GE 800	14.6	66.7	69.9	73.1	77.7	77.4	79.0	80.1	80.3	80.8	81.2	81.2	81.2	81.6	81.7	81.7	81.7	81.7
GE 700	15.2	69.2	71.5	74.8	79.0	79.2	80.9	81.9	82.2	82.6	83.0	83.0	83.0	83.4	83.5	83.5	83.5	83.5
GE 600	15.3	69.1	72.5	75.8	80.0	80.2	81.8	83.0	83.2	83.7	84.2	84.2	84.2	84.6	84.7	84.7	84.7	84.7
GE 500	15.4	70.3	73.6	77.1	81.6	81.8	83.4	84.6	84.8	85.3	85.8	85.8	85.8	86.2	86.3	86.3	86.3	86.3
GE 400	15.4	70.8	74.2	77.5	82.0	82.3	84.1	85.3	85.5	85.9	86.5	86.5	86.5	86.9	87.0	87.0	87.0	87.0
GE 300	15.9	72.0	75.7	79.1	84.3	84.4	86.3	87.5	87.7	88.2	88.7	88.7	88.7	89.1	89.2	89.2	89.2	89.2
GE 200	15.9	72.3	75.9	79.4	84.5	84.7	86.7	87.8	88.1	88.5	89.0	89.0	89.0	89.5	89.6	89.6	89.6	89.6
GE 100	16.0	72.0	76.2	79.9	85.5	85.7	87.6	88.8	89.0	89.5	90.0	90.0	90.0	90.4	90.5	90.5	90.5	90.5
GE 2000	16.0	73.1	76.8	80.5	86.7	86.5	88.5	89.7	89.9	90.3	90.9	90.9	90.9	91.3	91.4	91.4	91.4	91.4
GE 1800	16.0	74.1	77.8	81.6	87.4	87.6	89.7	90.9	91.1	91.5	92.0	92.0	92.0	92.5	92.6	92.6	92.6	92.6
GE 1600	16.1	74.3	78.1	81.5	87.6	87.8	89.9	91.1	91.3	91.7	92.3	92.3	92.3	92.7	92.8	92.8	92.8	92.8
GE 1400	16.1	74.9	78.7	82.5	88.3	88.5	90.5	91.7	91.9	92.4	92.9	92.9	92.9	93.3	93.4	93.4	93.4	93.4
GE 1200	16.1	74.9	78.7	82.5	88.7	88.5	90.9	92.0	92.3	92.7	93.2	93.2	93.2	93.7	93.8	93.8	93.8	93.8
GE 1000	16.1	75.2	78.9	82.9	88.9	89.1	91.5	92.6	93.0	93.4	94.0	94.0	94.0	94.4	94.5	94.5	94.5	94.5
GE 900	16.1	75.3	79.0	83.1	89.1	89.4	92.0	93.3	93.6	94.0	94.5	94.5	94.5	94.9	95.1	95.1	95.1	95.1
GE 800	16.1	75.6	79.5	83.8	89.8	90.0	92.8	94.1	94.3	94.7	95.3	95.3	95.3	95.7	95.8	95.8	95.8	95.8
GE 700	16.1	75.6	79.5	83.9	89.9	90.1	92.9	94.2	94.4	94.8	95.4	95.4	95.4	95.8	95.9	95.9	95.9	95.9
GE 600	16.1	75.6	79.6	84.1	90.5	90.4	93.3	94.6	94.8	95.4	96.1	96.1	96.1	96.6	96.7	96.7	96.7	96.7
GE 500	16.1	75.7	79.7	84.4	90.7	90.9	94.0	95.3	95.5	96.0	96.8	96.8	96.8	97.2	97.3	97.3	97.3	97.3
GE 400	16.1	75.8	79.8	84.6	91.2	91.5	94.8	96.1	96.3	96.9	97.6	97.6	97.6	98.2	98.3	98.3	98.3	98.3
GE 300	16.1	75.8	79.8	84.6	91.7	91.5	94.8	96.3	96.6	97.2	98.0	98.0	98.0	98.5	98.6	98.6	98.6	98.6
GE 200	16.1	75.8	79.8	84.6	91.2	91.5	94.9	96.5	96.7	97.6	98.4	98.4	98.4	99.0	99.2	99.2	99.2	99.2
GE 100	16.1	75.8	79.8	84.6	91.2	91.5	94.9	96.5	96.7	97.6	98.4	98.4	98.4	99.0	99.2	99.2	99.2	100.0
GE HI	16.1	75.8	79.8	84.6	91.2	91.5	94.9	96.5	96.7	97.6	98.4	98.4	98.4	99.0	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/PAC

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

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

CEILING	VISIBILITY IN STATUTE MILES																	
	1	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	11	12
NO CEIL	11.8	51.9	54.4	55.5	57.0	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	
CE 2000	13.4	57.4	60.0	62.3	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5	
CE 1800	13.8	58.0	60.9	62.6	64.3	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8	
CE 1600	13.8	58.4	61.5	63.0	64.7	64.9	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3	
CE 1400	14.0	58.9	61.5	63.5	65.3	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9	
CE 1200	14.1	60.0	62.9	64.6	66.3	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0	
CE 1000	14.7	63.0	66.7	68.5	70.4	70.9	71.2	71.2	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5	
CE 900	14.7	63.9	67.0	68.9	70.9	71.3	71.6	71.9	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.3	72.3	
CE 800	14.7	66.5	71.0	73.8	75.8	76.2	76.7	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	
CE 700	14.7	70.0	74.7	76.5	78.9	79.5	79.9	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.6	80.6	
CE 600	14.3	71.3	74.7	77.1	79.6	80.1	80.5	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.3	81.3	
CE 500	14.3	72.3	75.7	78.3	81.1	81.6	82.0	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8	
CE 450	14.3	72.7	76.7	78.8	81.6	82.2	82.6	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	
CE 400	14.4	74.5	78.7	81.0	84.0	84.5	85.1	85.5	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	
CE 350	14.1	75.5	79.1	81.9	85.1	85.7	86.3	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1	
CE 300	14.7	77.0	80.6	83.4	86.9	87.4	88.2	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	
CE 250	14.8	77.4	81.7	84.2	87.7	88.4	89.1	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.9	89.9	
CE 200	14.2	79.2	82.9	85.8	89.5	90.1	90.9	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.6	91.6	
CE 150	14.2	79.6	83.7	86.1	89.9	90.5	91.3	91.7	91.8	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0	
CE 100	14.2	81.5	85.4	88.2	92.7	92.8	93.5	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	
CE 100	14.2	81.7	85.5	88.8	92.9	93.5	94.3	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	
CE 100	14.7	81.9	85.9	89.2	93.7	94.0	94.7	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.6	95.6	
CE 100	14.7	81.9	85.9	89.5	93.7	94.2	94.9	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	
CE 100	14.7	82.2	86.1	90.0	94.4	95.1	95.8	96.5	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9	
CE 100	14.7	82.2	86.1	90.2	94.8	95.6	96.3	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	
CE 100	14.7	82.2	86.1	90.2	95.1	95.9	97.0	97.6	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.2	98.2	
CE 100	14.7	82.2	86.1	90.1	95.2	96.1	97.2	97.8	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4	
CE 100	14.7	82.2	86.1	90.2	95.7	96.2	97.5	98.4	98.5	98.8	98.9	98.9	98.9	98.9	98.9	99.0	99.0	
CE 100	14.7	82.2	86.1	90.2	95.7	96.3	97.6	98.6	98.7	99.4	99.5	99.5	99.5	99.5	99.5	99.9	99.9	
CE 100	14.7	82.2	86.1	90.2	95.7	96.3	97.6	98.6	98.7	99.5	99.6	99.6	99.6	99.6	99.6	100.0	100.0	
CE 100	14.7	82.2	86.1	90.2	95.7	96.3	97.6	98.6	98.7	99.5	99.6	99.6	99.6	99.6	99.6	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 951

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 77-86

MONTH: JUL

HOURS(LOCAL): 1200-1400

CEILING

VISIBILITY IN STATUTE MILES

CEILING FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	7/16	1/4	0
NO CEIL	11.2	51.6	54.2	54.8	56.7	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
01 2000	12.9	58.5	61.1	61.7	63.7	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
02 1600	12.9	58.5	61.3	61.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
03 1600	12.9	58.7	61.5	62.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
04 1400	13.0	59.8	62.6	63.2	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
05 1200	13.2	63.5	63.4	64.2	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
06 1000	14.6	64.4	67.4	68.3	69.7	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
07 900	14.6	64.9	68.0	68.8	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
08 800	15.1	68.5	71.8	73.0	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
09 700	15.6	70.1	73.4	75.1	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
10 600	16.0	71.3	74.6	76.2	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
11 500	16.2	73.5	77.0	78.7	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
12 450	16.3	74.6	78.1	80.1	82.3	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
13 400	16.7	77.1	80.8	82.8	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
14 350	17.0	79.2	83.1	85.2	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
15 300	18.1	82.0	86.0	88.3	91.3	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
16 250	18.4	82.9	87.0	89.2	92.4	93.1	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
17 200	18.8	84.5	88.6	91.0	94.1	94.0	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
18 180	18.8	84.9	89.1	91.5	94.7	95.5	95.7	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9
19 160	18.8	85.3	89.5	92.2	95.5	96.2	96.5	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8
20 140	18.8	85.5	89.9	92.7	96.7	96.8	97.0	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3
21 120	18.8	85.7	90.1	92.9	96.5	97.2	97.4	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7
22 100	18.8	85.7	90.1	93.0	96.7	97.4	97.6	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0
23 80	18.9	85.8	90.2	93.1	96.8	97.5	97.7	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1
24 70	18.9	85.9	90.3	93.4	97.1	97.6	98.1	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4
25 60	18.9	85.9	90.3	93.7	97.3	98.1	98.5	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9
26 50	18.9	85.9	90.3	93.9	97.5	98.3	98.7	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1
27 40	18.9	85.9	90.3	93.9	97.5	98.3	98.8	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4
28 30	18.9	85.9	90.3	93.9	97.5	98.3	98.6	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
29 20	18.9	85.9	90.3	93.9	97.5	98.3	98.6	99.1	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
30 10	18.9	85.9	90.3	93.9	97.5	98.3	98.6	99.1	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0
31 0	18.9	85.9	90.3	93.9	97.5	98.3	98.6	99.1	99.6	99.6	99.6	99.7	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 726395 STATION NAME: WRIGHTSMITH AFB MI

PERIOD OF RECORD: 77-84  
MONTH: JUL HOURS(LST): 1500-1700

CEILING FEET	VISIBILITY IN STATUTE MILES																	
	1	10	0	5	4	7	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	7/16	1/4	0	
NO CEIL	12.6	51.8	54.5	55.4	56.7	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 20000	14.3	60.0	63.4	64.4	65.3	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
GE 18000	14.5	60.9	64.3	65.3	66.7	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 16000	14.5	61.0	64.4	65.4	66.8	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 14000	14.7	61.7	65.2	66.1	67.5	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 12000	15.5	63.8	67.2	68.2	69.6	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 10000	15.9	66.6	70.2	71.2	72.6	73.1	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 9000	16.1	67.5	71.5	72.4	74.0	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
GE 8000	17.7	70.4	74.5	75.7	77.4	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 7000	17.4	71.5	75.6	76.8	78.5	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 6000	17.5	72.6	76.8	78.0	79.7	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 5000	17.4	75.6	79.8	81.0	82.7	83.3	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.7	83.7	83.7	83.7
GE 4000	17.4	76.1	80.2	81.0	83.6	84.4	84.5	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9
GE 3000	18.1	78.5	82.9	84.4	86.9	87.5	87.6	87.8	87.8	88.0	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1
GE 2000	14.2	81.0	85.8	87.6	91.1	90.8	90.9	91.1	91.1	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3
GE 1000	16.7	82.0	87.5	89.6	92.6	93.2	93.3	93.5	93.5	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8
GE 500	19.0	82.5	88.1	90.2	93.4	94.4	94.5	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9
GE 200	19.1	83.1	88.8	91.0	94.2	95.5	95.7	95.9	95.9	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1
GE 100	19.1	83.4	89.2	91.4	94.6	95.9	96.1	96.3	96.3	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6
GE 50	19.1	83.4	89.2	91.4	94.6	95.9	96.1	96.3	96.3	96.5	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6
GE 25	19.1	83.5	89.4	91.5	94.7	96.1	96.3	96.6	96.6	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8
GE 10	19.1	83.5	89.4	91.8	95.1	96.5	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1
GE 5	19.1	83.7	89.7	92.2	95.6	97.0	97.2	97.5	97.5	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7
GE 2	19.1	83.7	89.8	92.6	96.1	97.4	97.6	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3
GE 1	19.1	83.8	90.0	92.9	96.5	97.8	98.1	98.6	98.6	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8
GE 0	19.1	84.0	90.2	93.3	96.9	98.2	98.5	99.0	99.0	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
GE 0.5	19.1	84.0	90.2	93.5	97.1	98.7	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9
GE 0.2	19.1	84.0	90.2	93.5	97.1	98.7	99.1	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 0.1	19.1	84.0	90.2	93.5	97.1	98.7	99.1	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 0.05	19.1	84.0	90.2	93.5	97.1	98.7	99.1	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 0.02	19.1	84.0	90.2	93.5	97.1	98.7	99.1	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
GE 0.01	19.1	84.0	90.2	93.5	97.1	98.7	99.1	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WRIGHTSMITH AFB MI

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

CEILING

VISIBILITY IN STATUTE MILES

IN FEET	10	6	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
NO CEIL	17.2	55.2	57.8	59.0	60.3	60.3	60.3	60.5	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6
GE 2000	15.2	62.6	65.8	67.3	69.1	69.2	69.2	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6
GE 1800	15.3	62.8	66.1	67.6	69.5	69.6	69.6	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9
GE 1600	15.3	62.8	66.1	67.6	69.5	69.6	69.6	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9
GE 1400	15.5	63.9	67.3	68.8	70.6	70.8	70.8	71.0	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1
GE 1200	15.9	65.5	69.0	70.8	72.6	72.7	72.7	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0
GE 1000	16.7	68.7	72.4	74.2	76.6	76.1	76.1	76.3	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5
GE 900	16.8	69.9	73.7	75.6	77.6	77.7	77.7	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1
GE 800	17.4	73.0	76.9	79.1	81.6	81.2	81.2	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5
GE 700	17.4	73.8	77.8	80.2	82.0	82.6	82.6	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9
GE 600	17.4	74.6	78.9	81.4	83.3	83.9	83.9	84.1	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2
GE 500	17.7	76.7	81.0	83.4	85.4	85.9	85.9	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2
GE 400	17.7	77.6	81.9	84.4	86.5	87.0	87.0	87.3	87.3	87.3	87.4	87.5	87.5	87.5	87.5	87.5
GE 300	18.4	79.9	84.2	86.8	89.1	89.7	89.7	90.1	90.1	90.1	90.4	90.4	90.4	90.4	90.4	90.4
GE 200	18.6	81.2	85.7	88.5	91.0	91.5	91.5	91.9	91.9	91.9	92.2	92.3	92.3	92.3	92.3	92.3
GE 100	18.9	82.9	87.6	90.4	92.9	93.4	93.4	94.0	94.0	94.0	94.2	94.3	94.3	94.3	94.3	94.3
GE 2000	19.2	83.5	88.3	91.3	93.9	94.4	94.5	95.1	95.1	95.1	95.3	95.4	95.4	95.4	95.4	95.4
GE 1800	19.2	84.0	88.7	91.7	94.7	94.8	94.9	95.6	95.6	95.6	95.8	95.9	95.9	95.9	95.9	95.9
GE 1600	19.2	84.1	88.8	91.8	94.8	94.9	95.1	95.7	95.7	95.7	95.9	96.0	96.0	96.0	96.0	96.0
GE 1400	19.2	84.4	89.2	92.3	94.9	95.5	95.6	96.2	96.2	96.2	96.5	96.6	96.6	96.6	96.6	96.6
GE 1200	19.4	84.8	89.7	92.7	95.6	96.1	96.2	96.9	96.9	96.9	97.1	97.2	97.2	97.2	97.2	97.2
GE 1000	19.4	84.9	89.8	92.9	95.9	96.5	96.6	97.2	97.2	97.2	97.4	97.5	97.5	97.5	97.5	97.5
GE 900	19.4	85.2	90.2	93.4	96.5	97.0	97.1	97.7	97.7	97.7	98.0	98.1	98.1	98.1	98.1	98.1
GE 800	19.5	85.4	90.5	93.8	96.8	97.3	97.4	98.1	98.1	98.1	98.3	98.4	98.4	98.4	98.4	98.4
GE 700	19.5	85.4	90.5	94.0	97.0	97.5	97.6	98.4	98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7
GE 600	19.5	85.4	90.5	94.2	97.2	97.7	97.8	98.6	98.6	98.6	98.8	98.9	98.9	98.9	98.9	98.9
GE 500	19.5	85.7	90.6	94.5	97.7	98.3	98.4	99.1	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5
GE 400	19.5	85.7	90.6	94.5	97.7	98.4	98.6	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7
GE 300	19.5	85.7	90.6	94.5	97.7	98.4	98.6	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7
GE 200	19.5	85.7	90.6	94.5	97.7	98.4	98.6	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7
GE 100	19.5	85.7	90.6	94.5	97.7	98.4	98.6	99.4	99.4	99.4	99.6	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAF/CIAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WRIGHTSMITH AFB MI

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

CEILING

VISIBILITY IN STATUTE MILES

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	57.7	59.9	63.1	64.6	65.8	66.6	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 20000	16.9	66.0	69.6	71.1	72.5	73.3	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 18000	16.9	66.0	69.8	71.3	72.7	73.5	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 16000	16.9	66.0	69.9	71.3	72.7	73.5	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 14000	16.9	66.3	70.1	71.6	73.1	74.0	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
GE 12000	16.9	67.5	71.3	72.8	74.3	75.2	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 10000	17.8	69.9	73.9	75.7	77.3	78.3	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 9000	17.8	70.6	74.6	76.8	78.5	79.5	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
GE 8000	18.6	73.2	77.2	79.4	81.3	82.3	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
GE 7000	18.8	74.7	78.9	81.2	83.1	84.1	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 6000	18.9	75.2	79.4	81.6	83.5	84.5	85.2	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 5000	19.1	77.7	82.3	84.5	86.9	87.8	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
GE 4500	19.1	78.0	82.5	84.7	87.1	88.1	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 4000	19.6	80.1	85.1	87.4	90.0	91.0	91.6	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 3500	19.6	81.0	86.0	88.4	91.2	92.2	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 3000	19.6	82.0	87.2	89.9	92.7	93.7	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 2500	19.6	82.2	87.3	90.0	92.8	93.8	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 2000	19.6	83.3	88.5	91.2	94.0	94.9	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1800	19.6	83.3	88.5	91.2	94.0	94.9	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 1600	19.6	83.4	88.6	91.3	94.1	95.0	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GE 1400	19.9	84.3	89.8	92.6	95.5	96.4	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1200	19.9	84.3	89.8	92.6	95.5	96.4	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 1000	19.9	84.3	89.8	92.6	95.5	96.4	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 900	19.9	84.3	89.8	92.6	95.5	96.4	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 800	19.9	84.3	89.8	92.6	95.5	96.4	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 700	19.9	84.3	89.8	92.6	95.5	96.4	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 600	19.9	84.3	89.8	92.6	95.5	96.4	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 500	19.9	84.3	89.8	92.6	95.5	96.4	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 400	19.9	84.3	89.8	92.6	95.5	96.4	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 300	19.9	84.3	89.8	92.6	95.5	96.4	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 200	19.9	84.3	89.8	92.6	95.5	96.4	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 100	19.9	84.3	89.8	92.6	95.5	96.4	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 0	19.9	84.3	89.8	92.6	95.5	96.4	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS: 950

CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

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

CEILING FEET	VISIBILITY IN STATUTE MILES																	
	1	1/2	5/8	3/4	7/8	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7
NO CEIL	13.2	54.6	57.4	58.4	60.7	60.7	61.0	61.3	61.3	61.4	61.4	61.4	61.4	61.5	61.5	61.5	61.5	
CE 20000	14.5	60.2	63.4	65.0	66.7	67.2	67.6	67.9	67.9	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	
CE 18000	14.6	60.4	63.6	65.3	67.1	67.5	67.9	68.1	68.2	68.2	68.3	68.3	68.3	68.4	68.4	68.4	68.4	
CE 16000	14.6	60.5	63.7	65.4	67.2	67.6	68.0	68.3	68.3	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5	
CE 14000	14.7	61.0	64.1	66.0	67.7	68.2	68.6	68.9	68.9	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	
CE 12000	15.1	62.4	65.7	67.4	69.1	69.7	70.1	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	
CE 10000	15.4	65.8	69.3	71.2	73.1	73.7	74.1	74.4	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	
CE 9000	15.9	66.4	70.0	72.0	74.0	74.6	75.1	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	
CE 8000	16.4	70.2	74.0	76.0	78.0	79.0	79.5	79.9	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	
CE 7000	17.1	71.7	75.7	78.0	80.4	81.0	81.5	81.9	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	
CE 6000	17.7	72.6	76.5	78.9	81.3	81.9	82.5	82.9	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	
CE 5000	17.4	74.3	78.2	81.9	83.7	84.1	84.7	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	
CE 4000	17.4	74.4	79.1	81.6	84.2	84.8	85.4	85.9	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	
CE 3000	17.4	76.8	81.7	83.9	86.9	87.5	88.1	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	
CE 2000	17.9	77.9	82.5	85.2	88.7	88.9	89.5	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	
CE 1000	17.7	79.2	84.1	86.9	90.7	91.0	91.6	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	
CE 500	17.5	79.7	84.5	87.4	91.3	91.6	92.4	92.8	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	
CE 200	17.6	80.7	85.1	88.2	92.0	92.4	93.5	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	
CE 100	17.6	80.4	85.0	88.1	92.1	92.5	93.8	94.3	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	
CE 50	17.7	81.7	86.7	89.7	93.7	94.1	95.7	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	
CE 20	17.7	82.7	87.7	90.7	94.7	95.1	96.7	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	
CE 10	17.7	82.1	87.1	90.1	94.1	94.5	96.1	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	
CE 5	17.7	82.1	87.1	90.1	94.1	94.5	96.1	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	
CE 2	17.7	82.4	87.4	91.4	95.4	95.8	97.4	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
CE 1	17.7	82.4	87.4	91.4	95.4	95.8	97.4	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	
CE 0	17.7	82.4	87.4	91.4	95.4	95.8	97.4	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	

TOTAL NUMBER OF OBSERVATIONS: 7440



GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 77-85  
MONTH: AUG HOURS(IST): 0300-0500

CEILING FEET	VISIBILITY IN STATUTE MILES																
	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9
NO CEIL	9.6	49.4	52.6	54.4	56.5	57.6	58.4	58.8	59.1	59.8	60.2	60.4	61.1	61.2	61.3	61.4	
GE 20000	9.4	52.9	56.6	58.7	61.7	62.3	63.0	63.5	64.0	64.6	65.1	65.3	65.9	66.0	66.1	66.2	
GE 18000	9.4	53.0	56.9	58.8	61.1	62.4	63.1	63.7	64.1	64.7	65.3	65.5	66.1	66.2	66.3	66.5	
GE 16000	9.4	53.0	56.6	58.8	61.1	62.4	63.1	63.7	64.1	64.7	65.3	65.5	66.1	66.2	66.3	66.5	
GE 14000	9.6	53.7	57.5	59.5	61.7	63.1	63.9	64.4	64.8	65.5	66.0	66.2	66.9	67.0	67.1	67.2	
GE 12000	9.6	54.8	59.1	61.1	63.7	64.7	65.5	66.0	66.5	67.1	67.6	67.8	68.5	68.6	68.7	68.8	
GE 10000	9.7	56.7	61.5	63.4	66.1	67.6	68.5	69.1	69.6	70.2	70.8	71.0	71.6	71.7	71.8	71.9	
GE 9000	9.7	56.9	61.7	63.7	66.4	66.2	69.1	69.8	70.2	70.9	71.4	71.6	72.3	72.4	72.5	72.6	
GE 8000	9.9	58.1	63.0	65.1	68.3	75.9	70.9	71.5	71.9	72.6	73.2	73.4	74.1	74.2	74.3	74.4	
GE 7000	10.0	58.7	63.9	65.9	69.1	70.8	71.7	72.4	72.8	73.4	74.1	74.3	74.9	75.1	75.2	75.3	
GE 6000	10.0	59.2	64.5	66.6	70.0	71.6	72.7	73.3	73.6	74.4	74.1	75.3	75.9	76.0	76.1	76.2	
GE 5000	10.2	60.6	66.7	68.5	71.8	73.4	74.5	75.2	75.6	76.2	76.9	77.1	77.7	77.8	78.0	78.1	
GE 4500	10.2	61.2	66.8	69.0	72.4	74.1	75.5	76.1	76.7	77.3	78.0	78.2	78.8	78.9	79.0	79.1	
GE 4000	10.5	63.9	69.6	72.2	75.4	77.4	78.8	79.6	80.1	80.9	81.5	81.8	82.5	82.7	82.8	83.0	
GE 3500	10.5	64.8	70.6	73.4	77.1	79.1	80.8	81.6	82.2	82.9	83.5	83.9	84.5	84.7	84.8	85.1	
GE 3000	10.5	66.0	72.2	75.3	79.8	81.5	83.1	84.0	84.5	85.3	85.9	85.2	86.9	87.1	87.2	87.4	
GE 2500	10.5	66.9	73.2	76.5	81.1	82.8	84.9	85.8	86.3	87.1	87.7	88.1	88.7	88.9	89.0	89.2	
GE 2000	10.5	67.3	73.7	77.0	81.9	83.6	85.9	87.0	87.5	88.3	89.0	89.2	89.9	90.1	90.2	90.4	
GE 1800	10.7	67.4	73.8	77.1	82.7	83.9	86.0	87.2	87.7	88.5	89.1	89.5	90.1	90.3	90.4	90.6	
GE 1600	10.8	68.3	74.7	78.1	83.1	84.9	87.7	88.9	89.4	90.2	90.7	90.8	91.5	91.5	91.6	91.8	
GE 1400	10.8	68.9	75.7	79.0	84.7	86.0	88.3	89.5	90.0	90.8	91.4	91.7	92.4	92.6	92.7	92.9	
GE 1200	11.0	69.1	75.0	78.4	84.7	86.0	89.0	90.2	90.8	91.5	92.2	92.5	93.1	93.3	93.4	93.7	
GE 1000	11.0	69.1	75.0	78.4	84.7	86.0	89.0	90.2	90.8	91.5	92.2	92.5	93.1	93.3	93.4	93.7	
GE 900	11.0	69.1	75.0	78.4	84.7	86.0	89.0	90.2	90.8	91.5	92.2	92.5	93.1	93.3	93.4	93.7	
GE 800	11.0	69.1	75.0	78.4	84.7	86.0	89.0	90.2	90.8	91.5	92.2	92.5	93.1	93.3	93.4	93.7	
GE 700	11.0	69.1	75.0	78.4	84.7	86.0	89.0	90.2	90.8	91.5	92.2	92.5	93.1	93.3	93.4	93.7	
GE 600	11.0	69.1	75.0	78.4	84.7	86.0	89.0	90.2	90.8	91.5	92.2	92.5	93.1	93.3	93.4	93.7	
GE 500	11.0	69.1	75.0	78.4	84.7	86.0	89.0	90.2	90.8	91.5	92.2	92.5	93.1	93.3	93.4	93.7	
GE 400	11.0	69.1	75.0	78.4	84.7	86.0	89.0	90.2	90.8	91.5	92.2	92.5	93.1	93.3	93.4	93.7	
GE 300	11.0	69.1	75.0	78.4	84.7	86.0	89.0	90.2	90.8	91.5	92.2	92.5	93.1	93.3	93.4	93.7	
GE 200	11.0	69.1	75.0	78.4	84.7	86.0	89.0	90.2	90.8	91.5	92.2	92.5	93.1	93.3	93.4	93.7	
GE 100	11.0	69.1	75.0	78.4	84.7	86.0	89.0	90.2	90.8	91.5	92.2	92.5	93.1	93.3	93.4	93.7	

GLOBAL CLIMATOLOGY BRANCH

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WORTSMITH AFB MI

PERIOD OF RECORD: 77-81  
MONTH: AUG HOURLY PERIOD: 0000-0000

CEILING	VISIBILITY IN STATUTE MILES															
	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 1/10	GE 1/8
NO CEIL	9.9	43.0	44.7	46.1	48.1	49.1	50.7	50.6	50.9	51.2	51.5	51.7	51.7	51.8	51.9	52.0
GE 2000	9.8	46.9	49.1	50.9	53.0	54.0	55.5	56.5	56.8	57.3	57.8	57.8	58.1	58.2	58.3	58.4
GE 1800	9.8	47.0	49.2	51.0	53.0	54.7	56.7	56.7	56.9	57.4	57.9	58.0	58.0	58.1	58.2	58.3
GE 1600	9.8	47.2	49.5	51.2	53.0	54.9	56.7	56.9	57.1	57.6	58.2	58.2	58.3	58.4	58.5	58.6
GE 1400	9.8	47.8	50.0	51.9	54.7	56.7	57.0	57.6	57.8	58.4	58.9	58.9	59.0	59.1	59.2	59.3
GE 1200	9.9	48.6	51.0	52.9	55.7	56.9	58.2	58.8	59.0	59.6	60.2	60.2	60.3	60.4	60.5	60.6
GE 1000	10.0	51.3	53.9	56.0	58.0	60.3	61.7	62.7	62.9	63.4	64.1	64.1	64.3	64.4	64.5	64.6
GE 900	10.0	51.6	54.5	56.7	59.0	61.1	62.5	63.4	63.7	64.2	64.9	64.9	65.1	65.2	65.3	65.4
GE 800	10.1	54.8	57.0	60.3	63.7	65.2	66.6	68.1	68.7	69.0	69.7	69.7	69.8	69.9	70.0	70.1
GE 700	10.1	55.4	57.8	61.5	64.7	66.5	68.2	69.8	69.8	70.1	70.5	71.2	71.2	71.3	71.4	71.5
GE 600	10.2	56.5	60.2	63.0	66.5	68.1	69.8	71.4	71.6	72.1	72.9	72.9	73.1	73.2	73.3	73.4
GE 500	10.2	57.2	61.4	64.5	68.7	69.8	71.6	73.2	73.4	74.1	74.7	74.7	74.9	75.1	75.2	75.3
GE 400	10.3	58.0	62.7	65.5	69.7	70.6	72.5	74.2	74.6	75.1	75.9	75.9	76.1	76.2	76.3	76.4
GE 300	11.0	60.6	65.1	68.4	72.7	73.8	75.9	77.7	78.2	78.6	79.5	79.5	79.7	79.8	79.9	80.0
GE 200	11.1	61.4	67.0	69.1	73.7	74.8	77.2	79.0	79.4	80.1	81.0	81.0	81.2	81.3	81.4	81.5
GE 100	11.2	62.5	67.2	70.5	74.7	76.0	78.0	81.6	82.4	83.1	83.8	83.8	84.1	84.2	84.3	84.4
GE 0	11.7	63.2	68.0	71.5	75.7	77.4	79.9	82.5	83.2	83.9	84.9	84.9	85.2	85.3	85.4	85.5
GE 2000	11.9	64.5	69.4	73.7	78.0	79.6	81.3	84.7	85.4	86.2	87.2	87.2	87.5	87.6	87.7	87.8
GE 1800	11.5	65.5	70.5	73.6	78.7	79.9	82.5	85.2	85.9	86.7	87.7	87.7	88.0	88.1	88.2	88.3
GE 1600	11.5	65.9	71.0	74.4	78.9	79.9	82.5	85.2	85.9	86.7	87.7	87.7	88.0	88.1	88.2	88.3
GE 1400	11.5	66.0	71.1	74.5	79.0	79.9	82.5	85.2	85.9	86.7	87.7	87.7	88.0	88.1	88.2	88.3
GE 1200	11.5	66.3	71.2	74.7	80.2	79.3	82.5	85.2	85.9	86.7	87.7	87.7	88.0	88.1	88.2	88.3
GE 1000	11.5	66.3	71.2	75.1	81.7	79.5	82.5	85.2	85.9	86.7	87.7	87.7	88.0	88.1	88.2	88.3
GE 900	11.5	66.5	71.2	75.4	82.5	79.5	82.5	85.2	85.9	86.7	87.7	87.7	88.0	88.1	88.2	88.3
GE 800	11.5	66.5	71.2	75.4	82.5	79.5	82.5	85.2	85.9	86.7	87.7	87.7	88.0	88.1	88.2	88.3
GE 700	11.5	66.5	71.2	75.4	82.5	79.5	82.5	85.2	85.9	86.7	87.7	87.7	88.0	88.1	88.2	88.3
GE 600	11.5	66.5	71.2	75.4	82.5	79.5	82.5	85.2	85.9	86.7	87.7	87.7	88.0	88.1	88.2	88.3
GE 500	11.5	66.5	71.2	75.4	82.5	79.5	82.5	85.2	85.9	86.7	87.7	87.7	88.0	88.1	88.2	88.3
GE 400	11.5	66.5	71.2	75.4	82.5	79.5	82.5	85.2	85.9	86.7	87.7	87.7	88.0	88.1	88.2	88.3
GE 300	11.5	66.5	71.2	75.4	82.5	79.5	82.5	85.2	85.9	86.7	87.7	87.7	88.0	88.1	88.2	88.3
GE 200	11.5	66.5	71.2	75.4	82.5	79.5	82.5	85.2	85.9	86.7	87.7	87.7	88.0	88.1	88.2	88.3
GE 100	11.5	66.5	71.2	75.4	82.5	79.5	82.5	85.2	85.9	86.7	87.7	87.7	88.0	88.1	88.2	88.3
GE 0	11.5	66.5	71.2	75.4	82.5	79.5	82.5	85.2	85.9	86.7	87.7	87.7	88.0	88.1	88.2	88.3

TOTAL NUMBER OF OBSERVATIONS: 300

FAA METEOROLOGY BRANCH  
 40124  
 METEOROLOGICAL SERVICE/UNIT

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING HEIGHT VISIBILITIES  
 FROM HOURLY OBSERVATION

DATE	NUMBER OF ENDS	STATION NAME	ELEVATION (FEET)	PERCENTAGE OF OCCURRENCE OF CEILING HEIGHT VISIBILITIES													
				1000	900	800	700	600	500	400	300	200	100	50	20	10	
1952-1-1	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-2	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-3	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-4	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-5	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-6	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-7	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-8	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-9	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-10	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-11	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-12	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-13	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-14	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-15	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-16	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-17	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-18	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-19	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-20	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-21	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-22	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-23	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-24	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-25	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-26	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-27	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-28	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-29	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-30	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1952-1-31	100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

STATION NUMBER: 40124

FEDERAL BUREAU OF SURVEY  
 NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C.

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

AIR STATION NUMBER: 72655

STATION NAME: WASHINGTON AIR MIL

PERIOD OF RECORD: 77 AN  
 MONTH: AUG  
 HOURS: 0511-1001

CEILING	VISIBILITY IN STATUTE MILES																		
	1 1/2	1	3/4	1/2	1/4	1/8	1/16	1/32	1/64	1/128	1/256	1/512	1/1024	1/2048	1/4096	1/8192	1/16384	1/32768	
5000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
4000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
3000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TABLE NO. 10 - SURVEY NO. 10

GENERAL METEOROLOGY BRANCH  
OFFICER  
AIR WEATHER SERVICE/RRK

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726195 STATION NAME: WUJSMIN APR MI

PERIOD OF RECORD: 77-84  
MONTH: AUG HOURS(IST): 1500-1700

TIME	CEILING	VISIBILITY IN STATUTE MILES																	
		1/8	1/4	1/2	3/4	1	1 1/8	1 1/4	1 1/2	1 3/4	2	3	4	5	6	7	8	10	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500Z	10.6	98.1	98.9	97.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
0600Z	10.7	91.7	98.0	96.0	97.4	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
0700Z	10.4	92.5	98.9	96.6	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0800Z	10.4	92.5	98.9	96.6	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
0900Z	10.7	95.3	98.9	97.6	98.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
1000Z	11.6	88.0	61.7	64.4	68.7	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
1100Z	11.7	98.7	62.0	65.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
1200Z	11.7	61.8	65.0	68.0	71.7	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
1300Z	11.7	62.9	67.1	70.1	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
1400Z	11.7	63.7	68.7	71.9	74.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
1500Z	11.7	65.1	69.0	72.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
1600Z	11.7	66.1	71.7	74.9	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
1700Z	12.5	70.6	76.1	81.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
1800Z	13.5	76.5	74.1	82.0	85.0	85.6	85.7	85.8	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
1900Z	13.5	76.7	82.0	87.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
2000Z	13.7	78.1	88.5	89.4	92.0	92.9	93.1	93.3	93.7	93.8	93.9	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0
2100Z	13.7	78.5	85.1	91.1	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
2200Z	13.7	79.0	85.0	91.0	93.7	93.8	94.0	94.2	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2300Z	13.7	79.8	85.0	91.0	94.7	94.8	95.0	95.2	95.8	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
0000Z	13.7	79.8	85.0	91.0	95.0	95.6	95.9	96.1	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
0100Z	13.7	83.1	85.7	91.7	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0200Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0300Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0400Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0500Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0600Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0700Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0800Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0900Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1000Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1100Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1200Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1300Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1400Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1500Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1600Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1700Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1800Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1900Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
2000Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
2100Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
2200Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
2300Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
0000Z	13.7	83.1	85.0	91.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1

TOTAL NUMBER OF OBSERVATIONS: 144



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WOLFSMITH AFB MI PERIOD OF RECORD: 77-86  
MONTH: AUG HOURS (LST): 1600-2000

FLEET	VISIBILITY IN STATUTE MILES																
	IN 10	GE 10	GE 6	GE 5	GF 4	GE 3	GF 2 1/2	GE 2	GF 1 1/2	GE 1 1/4	GE 1	GF 3/4	GF 5/8	GE 1/2	GF 5/16	GF 1/4	GF 0
NO CEIL	10.0	50.3	51.9	54.0	54.8	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 2000	11.1	67.5	59.5	61.8	63.0	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 1800	11.1	58.1	60.0	62.4	63.5	63.8	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 1600	11.1	58.1	60.0	62.4	63.5	63.8	64.0	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
GE 1400	11.3	59.0	61.0	63.5	65.1	65.3	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 1200	11.5	59.8	61.5	64.6	66.2	66.6	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 1000	11.9	61.1	65.4	68.4	70.1	70.4	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 900	11.9	61.5	65.5	68.4	70.5	70.9	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 800	12.0	67.4	70.2	73.9	75.7	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 700	12.2	64.3	71.4	75.2	77.2	77.5	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 600	12.4	69.2	72.5	76.7	78.8	79.1	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 500	12.5	70.3	73.9	78.1	80.4	80.8	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 400	12.5	71.5	75.4	79.7	82.2	82.5	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 300	12.9	74.2	78.8	83.8	86.5	86.8	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 200	12.9	75.3	79.9	85.3	89.4	89.7	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 100	13.1	76.7	81.3	87.0	92.4	92.9	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8
GE 0	13.1	77.7	82.5	88.4	91.8	92.3	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.2	93.2	93.2	93.2
GE 2000	13.1	78.5	83.2	89.4	92.9	93.3	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4
GE 1800	13.1	78.8	83.5	89.7	93.3	93.7	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7
GE 1600	13.1	79.1	84.2	90.6	94.0	94.4	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.8	95.8	95.8
GE 1400	13.1	79.1	84.2	90.6	94.2	94.6	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.2	96.2	96.2
GE 1200	13.1	79.4	84.5	91.3	94.5	95.3	96.1	96.7	96.7	96.7	96.7	96.7	96.7	96.8	96.9	96.9	96.9
GE 1000	13.1	79.5	84.5	91.6	95.2	95.7	96.6	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.3	97.3	97.3
GE 900	13.1	79.6	84.8	91.8	95.3	95.9	96.8	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.6	97.6	97.6
GE 800	13.1	79.6	84.5	91.9	95.7	96.1	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.8	98.0	98.0	98.0
GE 700	13.1	79.6	85.2	92.2	95.5	96.3	97.3	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.5	98.5	98.5
GE 600	13.1	79.6	85.2	92.2	96.5	96.5	97.4	98.3	98.4	98.4	98.4	98.4	98.4	98.6	98.7	98.8	98.8
GE 500	13.1	79.6	85.2	92.4	96.5	96.9	97.8	98.7	98.8	98.8	98.8	98.8	98.8	99.0	99.1	99.4	99.4
GE 400	13.1	79.6	85.2	92.4	96.5	96.9	97.8	98.6	99.0	99.0	99.0	99.0	99.0	99.1	99.2	99.4	99.4
GE 300	13.1	79.6	85.2	92.4	96.5	96.9	97.6	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.2	99.4	99.4
GE 200	13.1	79.6	85.2	92.4	96.5	96.9	97.8	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.2	99.4	99.4
GE 100	13.1	79.6	85.2	92.4	96.5	96.9	97.8	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.2	99.4	99.4
GE 0	13.1	79.6	85.2	92.4	96.5	96.9	97.8	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.2	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/PAO

STATION NUMBER: 726395 STATION NAME: WORTSMITH AFB MI

PERIOD OF RECORD: 77-86

MONTH: AUG

HOURS(IST): 2100-2300

CEILING

VISIBILITY IN STATUTE MILES

FEET	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	7/16	1/4	0
NO CEIL	9.9	45.8	58.7	69.2	60.4	61.1	61.5	61.5	61.7	61.7	61.7	61.7	62.0	62.0	62.4	62.5
CE 2000	10.4	59.7	62.3	63.1	64.6	64.9	65.6	65.6	65.8	65.8	65.8	65.8	66.1	66.1	66.5	66.6
CE 1800	10.4	59.9	62.3	63.3	64.8	65.2	65.8	65.8	66.0	66.0	66.0	66.0	66.3	66.3	66.7	66.8
CE 1600	10.4	59.9	62.3	63.3	64.8	65.2	65.8	65.8	66.0	66.0	66.0	66.0	66.3	66.3	66.7	66.8
CE 1400	10.4	60.3	62.8	64.2	66.1	66.6	67.2	67.2	67.4	67.4	67.4	67.4	67.7	67.7	68.1	68.2
CE 1200	10.6	61.0	63.4	64.9	67.5	67.4	68.1	68.1	68.3	68.3	68.3	68.3	68.7	68.7	69.0	69.1
CE 1000	10.9	62.9	65.7	67.2	69.7	69.7	70.3	70.3	70.5	70.5	70.5	70.5	71.0	71.0	71.3	71.4
CE 900	10.9	63.4	66.3	68.0	70.6	70.4	71.1	71.1	71.3	71.3	71.3	71.3	71.7	71.7	72.0	72.2
CE 800	11.0	65.2	68.5	70.1	72.7	72.6	73.2	73.2	73.4	73.4	73.4	73.4	73.9	73.9	74.2	74.3
CE 700	11.0	66.3	70.6	71.7	73.4	74.2	74.8	74.8	75.1	75.1	75.1	75.1	75.5	75.5	75.8	75.9
CE 600	11.2	67.8	72.2	73.9	75.9	76.3	77.0	77.0	77.2	77.2	77.2	77.2	77.6	77.6	78.0	78.1
CE 500	11.2	69.1	73.7	75.7	78.1	78.5	79.1	79.1	79.4	79.4	79.4	79.4	79.8	79.8	80.1	80.2
CE 400	11.2	69.9	74.4	76.6	79.4	79.9	80.9	80.8	81.0	81.0	81.0	81.0	81.4	81.4	81.7	81.8
CE 300	11.9	73.8	78.9	81.8	85.8	86.6	87.6	87.6	87.8	87.8	87.8	87.8	88.3	88.3	88.6	88.7
CE 250	12.0	74.4	79.6	82.8	87.1	88.0	89.1	89.2	89.5	89.5	89.5	89.5	89.9	89.9	90.2	90.3
CE 200	12.0	76.3	81.7	85.1	89.7	90.4	91.7	92.0	92.3	92.3	92.3	92.3	92.7	92.7	93.0	93.1
CE 150	12.5	76.7	82.6	86.1	90.8	91.5	93.0	93.3	93.6	93.6	93.6	93.6	94.0	94.0	94.3	94.4
CE 100	12.6	77.1	83.0	86.8	91.4	92.3	93.8	94.1	94.3	94.3	94.3	94.3	94.7	94.7	95.1	95.2
CE 50	12.6	77.2	83.1	86.9	91.6	92.4	93.9	94.2	94.4	94.4	94.4	94.4	94.8	94.8	95.2	95.3
CE 1500	12.6	77.5	83.7	87.6	92.7	93.2	94.9	95.4	95.6	95.6	95.6	95.6	96.0	96.0	96.3	96.5
CE 1200	12.6	77.6	83.9	87.8	93.0	93.8	95.5	95.9	96.1	96.1	96.1	96.1	96.6	96.6	96.9	97.0
CE 1000	12.6	77.6	84.1	88.0	93.1	94.5	96.7	96.7	96.9	96.9	96.9	96.9	97.3	97.3	97.6	97.7
CE 900	12.6	77.7	84.4	88.4	94.1	94.7	96.5	96.5	96.9	97.1	97.1	97.1	97.5	97.5	97.8	98.0
CE 800	12.6	77.8	84.5	88.9	94.1	94.8	96.6	97.0	97.2	97.2	97.2	97.2	97.6	97.6	98.0	98.1
CE 700	12.6	77.8	84.5	88.9	94.1	94.8	96.6	97.0	97.2	97.2	97.2	97.2	97.6	97.6	98.0	98.1
CE 600	12.6	77.8	84.5	88.9	94.1	94.8	96.6	97.0	97.2	97.2	97.2	97.2	97.6	97.6	98.0	98.1
CE 500	12.6	77.8	84.5	88.9	94.1	94.8	96.6	97.0	97.2	97.2	97.2	97.2	97.6	97.6	98.0	98.1
CE 400	12.6	77.8	84.5	88.9	94.1	94.8	96.6	97.0	97.2	97.2	97.2	97.2	97.6	97.6	98.0	98.1
CE 300	12.6	77.8	84.5	88.9	94.1	94.8	96.6	97.0	97.2	97.2	97.2	97.2	97.6	97.6	98.0	98.1
CE 250	12.6	77.8	84.5	88.9	94.1	94.8	96.6	97.0	97.2	97.2	97.2	97.2	97.6	97.6	98.0	98.1
CE 200	12.6	77.8	84.5	88.9	94.1	94.8	96.6	97.0	97.2	97.2	97.2	97.2	97.6	97.6	98.0	98.1
CE 150	12.6	77.8	84.5	88.9	94.1	94.8	96.6	97.0	97.2	97.2	97.2	97.2	97.6	97.6	98.0	98.1
CE 100	12.6	77.8	84.5	88.9	94.1	94.8	96.6	97.0	97.2	97.2	97.2	97.2	97.6	97.6	98.0	98.1
CE 50	12.6	77.8	84.5	88.9	94.1	94.8	96.6	97.0	97.2	97.2	97.2	97.2	97.6	97.6	98.0	98.1
CE 1000	12.6	77.8	84.5	88.9	94.1	94.8	96.6	97.0	97.2	97.2	97.2	97.2	97.6	97.6	98.0	98.1

TOTAL NUMBER OF OBSERVATIONS: 930

FEDERAL BUREAU OF SURVEY  
 METEOROLOGICAL BRANCH  
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WORTSMITH AFB MI

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

CEILING	VISIBILITY IN STATUTE MILES																	
	1	3/4	1	1 1/4	1 1/2	2	2 1/4	2 1/2	3	3 1/4	3 1/2	4	4 1/4	4 1/2	5	5 1/4	5 1/2	6
NO CEILING	1	9.4	48.3	50.3	51.7	53.0	53.5	53.8	54.0	54.1	54.3	54.4	54.4	54.4	54.6	54.6	54.7	54.8
0-500	1	11.3	53.4	57.2	57.8	59.7	59.9	60.3	60.4	60.6	60.8	61.0	61.0	61.0	61.2	61.2	61.3	61.3
0-1000	1	17.3	54.1	56.5	58.1	59.6	60.2	60.6	60.8	61.0	61.1	61.3	61.3	61.5	61.5	61.6	61.7	61.7
0-1500	1	17.3	54.1	56.5	58.1	59.6	60.2	60.6	60.8	61.0	61.2	61.3	61.4	61.5	61.6	61.6	61.7	61.7
0-1900	1	17.4	54.7	57.7	58.9	60.5	61.1	61.5	61.7	61.9	62.3	62.3	62.3	62.5	62.5	62.5	62.6	62.6
0-2300	1	17.7	56.2	58.9	60.7	62.4	63.0	63.4	63.6	63.8	64.0	64.2	64.2	64.4	64.4	64.5	64.6	64.6
0-2700	1	18.9	58.5	61.5	63.5	65.4	66.1	66.7	66.9	67.1	67.3	67.5	67.5	67.7	67.7	67.8	67.8	67.8
0-3100	1	11.0	59.0	62.1	64.1	66.1	66.8	67.3	67.6	67.7	67.9	68.1	68.1	68.3	68.3	68.4	68.5	68.5
0-3500	1	11.1	61.5	64.7	67.2	69.7	70.1	70.6	71.0	71.2	71.3	71.5	71.6	71.7	71.8	71.8	71.9	71.9
0-3900	1	11.2	62.7	66.5	69.8	71.7	71.8	72.4	72.8	73.0	73.1	73.3	73.4	73.5	73.6	73.6	73.7	73.7
0-4300	1	11.2	63.6	67.5	73.0	72.4	73.1	73.7	74.1	74.3	74.5	74.7	74.7	74.9	74.9	75.0	75.1	75.1
0-4700	1	11.3	64.7	68.7	71.5	74.2	74.8	75.4	75.8	76.0	76.2	76.4	76.5	76.6	76.7	76.7	76.8	76.8
0-5100	1	11.5	65.4	69.6	72.5	75.1	75.9	76.6	77.1	77.3	77.5	77.7	77.7	77.9	77.9	78.0	78.1	78.1
0-5500	1	12.0	68.6	73.2	76.4	79.7	81.3	81.7	82.0	82.2	82.4	82.5	82.6	82.7	82.8	82.8	82.8	82.8
0-5900	1	12.1	69.7	74.5	78.0	81.4	83.3	83.9	84.2	84.4	84.7	84.7	84.9	84.9	85.0	85.1	85.1	85.1
0-6300	1	12.5	72.2	77.1	81.0	84.7	86.8	87.5	87.9	88.1	88.3	88.4	88.6	88.6	88.7	88.8	88.8	88.8
0-6700	1	12.6	75.1	79.7	82.2	86.5	89.0	89.8	89.9	90.3	90.5	90.8	90.8	91.0	91.1	91.2	91.2	91.2
0-7100	1	12.6	74.1	78.4	82.4	87.4	88.3	89.6	90.4	90.7	90.9	91.2	91.3	91.4	91.5	91.6	91.6	91.7
0-7500	1	12.6	74.5	79.8	83.9	87.7	88.8	90.1	90.9	91.2	91.4	91.7	91.7	91.9	92.0	92.1	92.2	92.2
0-7900	1	12.7	75.2	80.7	84.9	89.1	90.1	91.4	92.3	92.7	92.9	93.2	93.2	93.4	93.5	93.6	93.7	93.7
0-8300	1	12.7	75.6	81.0	85.4	89.5	90.9	92.3	93.2	93.6	93.8	94.1	94.2	94.3	94.4	94.5	94.6	94.6
0-8700	1	12.7	75.5	81.7	86.1	90.7	91.7	93.2	94.2	94.5	94.8	95.0	95.1	95.3	95.3	95.4	95.5	95.5
0-9100	1	12.7	76.0	81.7	86.4	91.1	92.1	93.7	94.7	95.1	95.3	95.6	95.6	95.8	95.9	96.0	96.1	96.1
0-9500	1	12.7	76.2	82.1	86.7	91.7	92.5	94.7	95.3	95.7	95.9	96.2	96.2	96.4	96.5	96.6	96.7	96.7
0-9900	1	12.7	76.5	82.5	87.7	91.7	92.8	94.5	95.6	96.0	96.3	96.6	96.6	96.8	96.9	97.0	97.1	97.1
0-10300	1	12.7	76.3	82.4	87.5	91.9	93.0	94.9	95.1	96.6	96.9	97.1	97.2	97.4	97.4	97.5	97.6	97.6
0-10700	1	12.7	76.3	82.5	87.7	92.7	93.4	95.3	95.8	97.1	97.5	97.8	97.8	98.1	98.1	98.2	98.3	98.3
0-11100	1	12.7	76.4	82.7	87.4	92.7	93.6	95.8	97.2	97.8	98.2	98.6	98.7	98.9	99.0	99.1	99.1	99.1
0-11500	1	12.7	76.4	82.7	87.4	92.7	93.6	95.8	97.3	98.0	98.4	98.8	98.9	99.1	99.2	99.3	99.4	99.4
0-11900	1	12.7	76.4	82.7	87.4	92.7	93.6	95.8	97.4	98.0	98.5	98.9	99.0	99.3	99.4	99.5	99.7	99.7
0-12300	1	12.7	76.4	82.7	87.4	92.7	93.8	95.8	97.4	98.0	98.5	98.9	99.0	99.3	99.4	99.6	99.9	99.9
0-12700	1	12.7	76.4	82.7	87.4	92.7	93.8	95.8	97.4	98.0	98.5	98.9	99.0	99.3	99.4	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 7094

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

WIS WEATHER SERVICE/MAC

STATION NUMBER: 726395 STATION NAME: Wurtsmith AFB MI

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

CEILING FEET	VISIBILITY IN STATUTE MILES																	
	1	1/8	1/4	1/2	3/8	1/2	3/4	1	1 1/2	2	3	4	5	6	7	8	9	10
70' CEIL	7.2	49.0	50.9	52.7	54.0	54.0	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.7	54.7	54.7	54.7
GE 2000	7.3	51.0	53.1	54.9	56.2	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.9	56.9	56.9	56.9
GE 1800	7.3	51.0	53.1	54.9	56.2	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.9	56.9	56.9	56.9
GE 1600	7.7	51.0	53.1	54.9	56.2	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.9	56.9	56.9	56.9
GE 1400	7.3	51.4	53.6	55.3	56.7	56.7	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.3	57.3	57.3	57.3
GE 1200	7.3	51.6	53.7	55.4	56.8	56.8	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.4	57.4	57.4	57.4
GE 1000	7.6	54.6	57.2	59.1	60.1	60.6	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	61.2	61.2	61.2	61.2
GE 900	7.7	54.8	57.4	59.3	60.3	60.8	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.4	61.4	61.4	61.4
GE 800	7.8	57.9	61.2	63.1	64.7	64.7	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.3	65.3	65.3	65.3
GE 700	8.2	60.8	64.1	66.0	67.6	67.6	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	68.2	68.2	68.2	68.2
GE 600	8.2	61.7	65.0	66.9	68.4	68.4	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	69.1	69.1	69.1	69.1
GE 500	8.7	62.8	66.2	68.4	70.0	70.0	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.7	70.7	70.7	70.7
GE 450	8.7	64.1	67.7	70.3	72.0	72.0	72.1	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.8	72.8	72.8	72.8
GE 400	9.1	67.6	71.0	74.2	76.2	76.2	76.3	76.4	76.5	76.5	76.5	76.5	76.5	76.5	77.1	77.1	77.1	77.1
GE 350	9.4	69.8	73.7	76.4	78.4	78.4	78.5	78.6	78.7	78.7	78.7	78.7	78.7	78.7	79.2	79.2	79.2	79.2
GE 300	8.6	72.2	76.1	78.9	80.9	80.9	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2	82.1	82.1	82.1	82.1
GE 250	9.8	73.2	77.2	80.2	82.4	82.4	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	83.7	83.7	83.7	83.7
GE 200	9.8	74.1	78.1	81.1	83.4	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.7	84.7	84.7	84.7	84.7
GE 180	9.8	74.8	78.8	81.8	84.1	84.1	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4	85.3	85.3	85.3	85.3
GE 160	10.3	76.2	80.0	83.0	85.3	85.3	85.4	85.5	85.6	85.6	85.6	85.6	85.6	85.6	86.0	86.0	86.0	86.0
GE 140	10.3	76.6	80.9	84.1	86.7	86.7	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.9	87.9	87.9	87.9
GE 120	10.4	76.9	81.8	84.8	87.6	87.6	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	88.9	88.9	88.9	88.9
GE 100	10.4	77.4	82.3	85.6	88.5	88.5	88.6	88.7	88.8	88.8	88.8	88.8	88.8	88.8	89.7	89.7	89.7	89.7
GE 90	10.4	77.9	83.2	86.7	89.7	89.7	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.9	90.9	90.9	90.9
GE 80	10.4	78.1	83.4	87.2	90.4	90.4	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.7	91.1	91.1	91.1	91.1
GE 70	10.4	78.3	83.6	87.4	91.7	91.7	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.3	92.3	92.3	92.3	92.3
GE 60	10.4	78.3	83.6	87.4	91.7	91.7	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.3	92.3	92.3	92.3	92.3
GE 50	10.4	78.2	83.8	88.0	92.3	92.3	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	93.1	93.1	93.1	93.1
GE 40	10.4	78.2	83.8	88.0	92.4	92.4	92.5	92.6	92.7	92.7	92.7	92.7	92.7	92.7	93.1	93.1	93.1	93.1
GE 30	10.4	78.3	83.9	88.6	93.3	93.3	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.6	94.1	94.1	94.1	94.1
GE 20	10.4	78.3	83.9	88.6	93.3	93.3	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.6	94.1	94.1	94.1	94.1
GE 10	10.4	78.3	83.9	88.6	93.3	93.3	93.4	93.5	93.6	93.6	93.6	93.6	93.6	93.6	94.1	94.1	94.1	94.1

TOTAL NUMBER OF OBSERVATIONS: 9110

GLOBAL CLIMATOLOGY BRANCH  
USAF/TAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395

STATION NAME: WUNTSMITH AFB MI

PERIOD OF RECORD: 77-86

MONTH: SEP

HOURS (LST): 0300-0500

CEILING

VISIBILITY IN STATUTE MILES

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	6.6	45.8	48.3	50.2	51.8	51.9	52.2	52.3	52.4	52.6	52.8	52.8	53.2	53.3	53.3	53.4
GE 2000	6.9	48.0	50.7	52.6	53.7	54.2	54.6	54.7	54.8	55.1	55.1	55.1	55.6	55.7	55.7	55.8
GE 1800	6.9	48.0	50.7	52.6	53.7	54.2	54.6	54.7	54.8	55.1	55.1	55.1	55.6	55.7	55.7	55.8
GE 1600	6.9	48.0	50.7	52.6	53.7	54.2	54.6	54.7	54.8	55.1	55.1	55.1	55.6	55.7	55.7	55.8
GE 1400	6.9	48.2	51.2	53.1	54.4	54.6	55.1	55.2	55.3	55.7	55.7	55.7	56.1	56.2	56.2	56.3
GE 1200	6.9	48.4	51.4	53.3	54.7	55.0	55.3	55.4	55.6	55.9	55.9	55.9	56.3	56.4	56.4	56.6
GE 1000	7.1	51.3	54.4	56.7	58.0	58.3	58.7	58.8	59.0	59.3	59.3	59.3	59.8	59.9	59.9	60.0
GE 900	7.2	51.9	55.1	57.2	58.6	58.9	59.2	59.3	59.6	59.9	59.9	59.9	60.3	60.4	60.4	60.6
GE 800	7.9	54.0	57.1	59.3	60.8	61.1	61.4	61.6	61.8	62.1	62.1	62.1	62.6	62.7	62.7	62.6
GE 700	8.1	55.6	58.7	60.9	62.3	62.7	63.0	63.1	63.3	63.7	63.7	63.7	64.1	64.2	64.2	64.3
GE 600	8.1	56.2	59.3	61.6	63.0	63.3	63.7	63.8	64.0	64.3	64.3	64.3	64.8	64.9	64.9	65.0
GE 500	8.3	58.0	61.9	64.6	66.7	66.3	66.7	66.8	67.0	67.3	67.3	67.3	67.8	67.9	67.9	68.0
GE 450	8.4	60.4	64.0	67.0	68.9	68.9	69.2	69.4	69.7	70.0	70.0	70.0	70.4	70.6	70.6	70.7
GE 400	8.7	64.0	68.2	71.2	73.0	73.4	73.9	74.1	74.3	74.6	74.9	74.8	75.2	75.3	75.3	75.4
GE 350	8.9	65.4	69.8	73.0	74.9	75.3	75.8	76.0	76.2	76.7	76.7	76.7	77.1	77.2	77.2	77.3
GE 300	8.1	66.3	71.0	74.3	76.2	76.7	77.2	77.4	77.7	78.1	78.1	78.1	78.6	78.7	78.7	78.8
GE 250	9.2	67.9	72.5	76.1	78.2	78.6	79.4	79.7	79.9	80.3	80.3	80.3	80.8	80.9	80.9	81.0
GE 200	9.3	69.8	74.8	78.4	80.7	81.3	82.1	82.4	82.7	83.1	83.1	83.1	83.6	83.7	83.7	83.8
GE 150	9.7	70.6	75.6	79.2	81.4	82.1	82.9	83.2	83.4	83.9	83.9	83.9	84.3	84.4	84.4	84.6
GE 100	10.6	72.8	78.2	82.1	84.4	85.2	86.0	86.3	86.6	87.0	87.0	87.0	87.4	87.6	87.6	87.7
GE 50	13.7	73.3	78.7	82.8	85.2	86.1	87.2	87.6	87.8	88.2	88.2	88.2	88.7	88.8	88.8	88.9
GE 1000	10.7	73.9	79.3	83.0	86.5	87.4	88.6	88.9	89.1	89.6	89.6	89.6	90.0	90.1	90.1	90.2
GE 900	10.7	74.2	80.0	84.2	87.3	88.3	89.4	89.8	90.0	90.4	90.4	90.4	90.9	91.0	91.0	91.1
GE 800	10.7	74.6	80.6	84.8	88.1	89.1	90.3	90.7	91.0	91.4	91.4	91.4	91.9	92.0	92.0	92.1
GE 700	10.7	74.8	80.8	85.0	88.6	89.7	91.0	91.3	91.7	92.1	92.1	92.1	92.6	92.7	92.7	92.8
GE 600	10.7	75.0	81.0	85.7	89.4	90.6	92.2	92.9	93.2	93.7	93.7	93.7	94.1	94.2	94.2	94.3
GE 500	10.7	75.2	81.4	86.2	90.1	91.2	93.2	93.9	94.2	94.7	94.7	94.7	95.1	95.2	95.2	95.3
GE 400	10.7	75.6	81.8	86.6	90.4	91.6	93.9	94.6	94.9	95.3	95.3	95.3	96.0	96.1	96.1	96.2
GE 300	10.7	75.6	81.8	86.6	90.4	91.6	94.1	94.9	95.2	96.1	96.1	96.1	96.6	96.7	96.7	96.8
GE 200	10.7	75.6	81.8	86.6	90.4	91.6	94.1	94.9	95.2	96.1	96.1	96.1	96.6	96.7	96.7	96.8
GE 100	10.7	75.6	81.8	86.6	90.4	91.6	94.1	95.0	95.3	96.2	96.7	96.7	98.2	98.4	98.4	98.9
NO VIS	10.7	75.6	81.8	86.6	90.4	91.6	94.1	95.0	95.3	96.2	96.7	96.7	98.2	98.4	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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

CEILING

VISIBILITY IN STATUTE MILES

FEET	10	6	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
NO CEIL	5.4	35.9	38.3	40.4	42.7	42.7	44.6	45.6	45.0	46.1	46.1	46.2	46.3	46.6	46.7	46.9
GE 2000	6.2	39.0	41.7	43.8	45.7	46.2	48.2	49.3	49.7	49.9	49.9	50.0	50.1	50.3	50.6	50.8
GE 1800	6.2	39.2	41.9	44.0	46.0	46.6	48.6	49.7	50.0	50.2	50.2	50.3	50.4	50.7	50.9	51.1
GE 1600	6.2	39.2	41.9	44.0	46.0	46.6	48.6	49.7	50.0	50.2	50.2	50.3	50.4	50.7	50.9	51.1
GE 1400	6.3	39.4	42.1	44.2	46.2	46.8	48.8	50.0	50.3	50.7	50.7	50.8	50.9	51.1	51.3	51.6
GE 1200	6.4	40.1	42.9	45.0	47.0	47.6	49.6	50.9	51.2	51.6	51.6	51.7	51.8	52.0	52.2	52.4
GE 1000	6.9	42.9	45.7	48.0	50.1	50.7	52.8	54.1	54.4	54.8	54.8	54.9	55.0	55.2	55.4	55.7
GE 900	6.9	43.9	46.8	49.1	51.2	51.8	53.9	55.2	55.6	55.9	55.9	56.0	56.1	56.3	56.6	56.8
GE 800	7.3	47.0	50.1	52.8	55.0	55.6	57.8	59.3	59.7	60.1	60.1	60.2	60.3	60.6	60.8	61.0
GE 700	7.6	48.2	51.4	54.3	56.6	57.1	59.4	61.0	61.3	61.8	61.8	61.9	62.0	62.2	62.4	62.7
GE 600	7.6	49.4	52.7	55.7	57.9	58.4	60.8	62.3	62.7	63.1	63.1	63.2	63.3	63.6	63.8	64.0
GE 500	8.2	51.8	55.0	58.2	60.4	61.0	63.4	65.0	65.4	66.0	66.0	66.1	66.2	66.4	66.7	66.9
GE 450	8.2	53.1	56.8	60.0	62.2	62.8	65.2	67.0	67.4	68.0	68.0	68.1	68.2	68.4	68.7	68.9
GE 400	8.9	55.8	59.7	63.3	65.9	66.6	69.0	70.8	71.2	71.8	71.8	71.9	72.0	72.2	72.4	72.7
GE 350	8.9	56.2	60.1	63.9	66.0	67.4	69.9	71.7	72.1	72.7	72.7	72.8	72.9	73.1	73.3	73.6
GE 300	9.3	58.0	61.9	65.7	68.0	69.4	72.0	73.9	74.3	74.9	74.9	75.0	75.1	75.3	75.6	75.8
GE 250	9.6	59.1	63.0	66.3	70.0	71.0	73.8	75.7	76.1	76.7	76.7	76.8	76.9	77.1	77.3	77.6
GE 200	10.0	61.3	65.2	69.3	72.2	74.0	77.0	79.1	79.6	80.1	80.1	80.2	80.3	80.6	80.8	81.0
GE 180	10.1	61.6	65.6	69.8	73.3	74.4	77.4	79.6	80.0	80.6	80.6	80.7	80.8	81.0	81.2	81.4
GE 160	10.4	63.3	67.4	71.8	75.6	76.8	79.8	82.2	82.7	83.2	83.2	83.3	83.4	83.7	83.9	84.1
GE 140	10.7	64.7	69.0	73.4	77.0	79.0	82.0	84.7	85.1	85.7	85.7	85.8	85.9	86.1	86.3	86.6
GE 120	10.7	65.1	69.7	74.2	78.5	80.0	83.1	85.9	86.4	87.0	87.0	87.1	87.2	87.4	87.7	87.9
GE 100	10.7	65.4	70.4	75.3	79.6	81.2	84.9	87.7	88.2	88.8	88.8	88.9	89.0	89.2	89.4	89.7
GE 90	10.7	66.1	71.2	76.1	80.7	82.3	86.0	88.8	89.7	90.2	90.2	90.3	90.4	90.7	90.9	91.1
GE 80	10.7	66.3	71.4	76.3	81.3	83.2	87.1	89.9	90.9	91.4	91.4	91.6	91.7	91.9	92.1	92.3
GE 70	10.7	66.7	71.8	76.9	82.0	84.2	88.3	91.3	92.3	92.9	92.9	93.0	93.1	93.3	93.6	93.8
GE 60	10.7	66.8	71.9	77.2	83.2	85.1	89.8	93.0	94.0	94.7	94.7	94.8	94.9	95.1	95.3	95.6
GE 50	10.7	66.8	72.0	77.3	83.7	85.3	90.1	93.4	94.6	95.2	95.2	95.3	95.6	95.8	96.0	96.2
GE 40	10.7	66.8	72.1	77.4	83.4	85.4	90.2	93.6	94.9	95.9	96.3	96.4	96.9	97.1	97.3	97.6
GE 30	10.7	66.8	72.1	77.4	83.4	85.4	90.2	93.6	94.9	96.1	96.8	96.9	97.6	97.8	98.1	98.3
GE 20	10.7	66.8	72.1	77.4	83.4	85.4	90.2	93.6	94.9	96.1	96.8	96.9	97.6	97.8	98.2	98.5
GE 10	10.7	66.8	72.1	77.4	83.4	85.4	90.2	93.6	94.9	96.1	96.8	96.9	97.6	97.8	98.3	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: 726395 STATION NAME: WORTSMITH AFB MI

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	10	6	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	
NO CEIL	5.8	39.1	41.0	42.4	43.9	44.0	44.0	44.2	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 2000	6.2	42.6	44.4	45.9	47.4	47.7	47.9	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 1800	6.2	43.0	44.9	46.3	47.9	48.1	48.3	48.6	48.8	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 1600	6.2	43.0	44.9	46.3	47.9	48.1	48.3	48.6	48.8	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 1400	6.2	43.1	45.0	46.4	48.0	48.2	48.4	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 1200	6.4	44.4	46.3	47.8	49.4	49.7	49.9	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
GE 1000	7.2	48.1	50.1	51.6	53.2	53.4	53.7	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 900	7.2	48.9	51.0	52.6	54.2	54.4	54.7	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 800	7.6	50.8	53.2	54.8	56.7	56.9	57.1	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 700	7.6	51.8	54.3	55.9	57.8	58.0	58.2	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 600	7.6	53.1	55.8	57.3	59.2	59.4	59.7	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 500	7.8	54.2	57.1	58.4	60.7	60.9	61.1	61.3	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 450	7.8	54.8	58.0	59.9	61.3	62.1	62.3	62.7	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 400	7.9	57.0	60.4	62.4	64.6	64.9	65.1	65.4	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 350	8.0	57.4	60.9	62.9	65.1	65.4	65.7	66.1	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 300	8.0	57.2	60.9	62.9	65.1	65.4	65.7	66.1	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 250	9.7	63.7	67.8	70.8	73.4	74.2	74.4	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 200	10.7	65.8	69.9	72.9	75.7	76.4	76.7	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 180	10.8	66.1	70.3	73.3	76.1	76.9	77.2	77.7	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 150	11.0	68.1	72.7	75.4	79.0	79.8	80.2	80.9	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 120	11.0	68.9	73.7	77.3	80.9	81.6	82.2	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 100	11.0	70.1	75.4	79.6	83.4	84.9	85.7	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 90	11.0	71.0	76.7	81.3	85.6	87.3	88.4	89.3	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 80	11.2	72.0	77.9	82.9	87.7	89.6	91.1	92.1	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 70	11.2	72.2	78.1	83.4	88.3	90.3	91.9	93.0	93.3	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 60	11.2	72.3	78.3	83.8	89.0	91.1	92.7	94.3	94.7	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 50	11.2	72.4	78.6	84.2	89.7	91.8	93.7	95.7	96.0	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
GE 40	11.2	72.4	78.6	84.2	90.1	92.4	94.7	97.0	97.3	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 30	11.2	72.4	78.6	84.2	90.2	92.6	94.8	97.3	97.9	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7
GE 20	11.2	72.4	78.6	84.2	90.2	92.6	94.8	97.4	97.9	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 10	11.2	72.4	78.6	84.2	90.2	92.6	94.8	97.4	97.9	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 0	11.2	72.4	78.6	84.2	90.2	92.6	94.8	97.4	97.9	98.4	98.9	98.9	98.9	98.9	98.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/AFAC  
AFR WEATHER SERVICE/NAIC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: SEP HOURS: 11:00-11:59

CEILING FEET	VISIBILITY IN STATUTE MILES															
	1	1/2	1/4	1/8	3/8	1/2	3/4	1	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3
NO CEILING	4.4	40.3	42.4	43.4	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
2000 FT	6.0	44.1	47.1	48.7	49.1	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
1800 FT	6.0	44.3	47.3	48.9	49.7	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
1600 FT	6.0	44.3	47.4	48.0	49.1	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
1400 FT	6.2	45.8	49.7	50.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
1200 FT	6.7	48.8	52.1	53.4	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
900 FT	5.7	49.2	52.6	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
800 FT	7.1	51.4	55.1	57.0	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
700 FT	7.2	52.9	56.4	58.7	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
600 FT	7.2	54.3	58.7	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
500 FT	7.2	55.4	59.4	61.4	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
450 FT	7.3	56.6	61.0	63.2	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
400 FT	7.3	58.6	63.2	65.4	66.3	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
350 FT	7.4	60.2	64.2	67.2	68.2	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
300 FT	7.3	67.2	72.0	74.8	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
250 FT	8.9	70.0	74.0	77.9	79.1	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
200 FT	10.3	73.4	74.4	81.3	82.7	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
150 FT	10.3	73.6	76.6	82.0	83.7	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
100 FT	10.8	75.1	81.6	84.0	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
75 FT	10.8	75.9	81.6	86.1	86.6	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
50 FT	11.0	76.6	83.4	87.6	89.7	91.2	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
40 FT	11.1	77.2	83.7	88.4	91.4	92.1	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
30 FT	11.1	77.8	84.3	89.2	92.4	93.2	94.7	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
20 FT	11.1	77.9	84.3	90.1	93.4	94.2	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
15 FT	11.2	78.1	85.1	90.7	94.4	95.3	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
10 FT	11.2	78.1	85.2	90.9	95.1	95.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
5 FT	11.2	78.1	85.3	90.9	95.6	95.6	98.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
0 FT	11.2	78.1	85.7	90.9	95.6	95.6	98.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
0 FT	11.2	78.1	85.7	90.9	95.7	95.7	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS: 200



PHYSIOLOGY BRANCH  
 AIR FAC  
 STATION NO. 1001

PERCENTAGE FREQUENCY OF OCCURRENCE OF METEOROLOGICAL WEATHER  
 FROM HOUSEHOLD OPERATIONS

STATION NO.	STATION NAME	STATION ADDRESS	PERIOD OF OBSERVATION														
			MONTH	YEAR	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934		
1001	1001	1001	7.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
1002	1002	1002	8.2	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
1003	1003	1003	8.9	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
1004	1004	1004	9.6	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
1005	1005	1005	10.3	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
1006	1006	1006	11.0	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
1007	1007	1007	11.7	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
1008	1008	1008	12.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
1009	1009	1009	13.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
1010	1010	1010	13.8	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
1011	1011	1011	14.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
1012	1012	1012	15.2	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
1013	1013	1013	15.9	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
1014	1014	1014	16.6	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
1015	1015	1015	17.3	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
1016	1016	1016	18.0	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
1017	1017	1017	18.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
1018	1018	1018	19.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
1019	1019	1019	20.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
1020	1020	1020	20.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
1021	1021	1021	21.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
1022	1022	1022	22.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
1023	1023	1023	22.9	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
1024	1024	1024	23.6	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
1025	1025	1025	24.3	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
1026	1026	1026	25.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
1027	1027	1027	25.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
1028	1028	1028	26.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
1029	1029	1029	27.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
1030	1030	1030	27.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
1031	1031	1031	28.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1032	1032	1032	29.2	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: 500

UNITED STATES DEPARTMENT OF AGRICULTURE  
 OFFICE OF THE SECRETARY  
 WASHINGTON, D. C.

STATE	COUNTY	CITY	CATTLE										HORSES			
			1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923
ALABAMA	Baldwin	Andalusia	1,200	1,300	1,400	1,500	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,500
		Prichard	1,100	1,200	1,300	1,400	1,500	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400
ALABAMA	Blount	Prichard	1,300	1,400	1,500	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,500	2,600
		Prichard	1,200	1,300	1,400	1,500	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,500
ALABAMA	Caldwell	Prichard	1,400	1,500	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,500	2,600	2,700
		Prichard	1,300	1,400	1,500	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,500	2,600
ALABAMA	Chilton	Prichard	1,500	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,500	2,600	2,700	2,800
		Prichard	1,400	1,500	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,500	2,600	2,700
ALABAMA	Crenshaw	Prichard	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,500	2,600	2,700	2,800	2,900
		Prichard	1,500	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,500	2,600	2,700	2,800
ALABAMA	Etowah	Prichard	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,500	2,600	2,700	2,800	2,900	3,000
		Prichard	1,600	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,500	2,600	2,700	2,800	2,900
ALABAMA	Franklin	Prichard	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,500	2,600	2,700	2,800	2,900	3,000	3,100
		Prichard	1,700	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,500	2,600	2,700	2,800	2,900	3,000
ALABAMA	Hale	Prichard	1,900	2,000	2,100	2,200	2,300	2,400	2,500	2,600	2,700	2,800	2,900	3,000	3,100	3,200
		Prichard	1,800	1,900	2,000	2,100	2,200	2,300	2,400	2,500	2,600	2,700	2,800	2,900	3,000	3,100
ALABAMA	Jefferson	Prichard	2,000	2,100	2,200	2,300	2,400	2,500	2,600	2,700	2,800	2,900	3,000	3,100	3,200	3,300
		Prichard	1,900	2,000	2,100	2,200	2,300	2,400	2,500	2,600	2,700	2,800	2,900	3,000	3,100	3,200
ALABAMA	Madison	Prichard	2,100	2,200	2,300	2,400	2,500	2,600	2,700	2,800	2,900	3,000	3,100	3,200	3,300	3,400
		Prichard	2,000	2,100	2,200	2,300	2,400	2,500	2,600	2,700	2,800	2,900	3,000	3,100	3,200	3,300
ALABAMA	Morgan	Prichard	2,200	2,300	2,400	2,500	2,600	2,700	2,800	2,900	3,000	3,100	3,200	3,300	3,400	3,500
		Prichard	2,100	2,200	2,300	2,400	2,500	2,600	2,700	2,800	2,900	3,000	3,100	3,200	3,300	3,400
ALABAMA	Shelby	Prichard	2,300	2,400	2,500	2,600	2,700	2,800	2,900	3,000	3,100	3,200	3,300	3,400	3,500	3,600
		Prichard	2,200	2,300	2,400	2,500	2,600	2,700	2,800	2,900	3,000	3,100	3,200	3,300	3,400	3,500
ALABAMA	Tallapoosa	Prichard	2,400	2,500	2,600	2,700	2,800	2,900	3,000	3,100	3,200	3,300	3,400	3,500	3,600	3,700
		Prichard	2,300	2,400	2,500	2,600	2,700	2,800	2,900	3,000	3,100	3,200	3,300	3,400	3,500	3,600
ALABAMA	Walker	Prichard	2,500	2,600	2,700	2,800	2,900	3,000	3,100	3,200	3,300	3,400	3,500	3,600	3,700	3,800
		Prichard	2,400	2,500	2,600	2,700	2,800	2,900	3,000	3,100	3,200	3,300	3,400	3,500	3,600	3,700
ALABAMA	Wilcox	Prichard	2,600	2,700	2,800	2,900	3,000	3,100	3,200	3,300	3,400	3,500	3,600	3,700	3,800	3,900
		Prichard	2,500	2,600	2,700	2,800	2,900	3,000	3,100	3,200	3,300	3,400	3,500	3,600	3,700	3,800
ALABAMA	Yavapai	Prichard	2,700	2,800	2,900	3,000	3,100	3,200	3,300	3,400	3,500	3,600	3,700	3,800	3,900	4,000
		Prichard	2,600	2,700	2,800	2,900	3,000	3,100	3,200	3,300	3,400	3,500	3,600	3,700	3,800	3,900
ALABAMA	Total	Prichard	2,800	2,900	3,000	3,100	3,200	3,300	3,400	3,500	3,600	3,700	3,800	3,900	4,000	4,100
		Prichard	2,700	2,800	2,900	3,000	3,100	3,200	3,300	3,400	3,500	3,600	3,700	3,800	3,900	4,000

UNITED STATES DEPARTMENT OF AGRICULTURE



FEDERAL BUREAU OF SURVEY  
 WASHINGTON, D. C.

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 72655

STATION NAME: WASHINGTON AIR MI

PERIOD OF RECORD: 72 60  
 MONTHS: SEP NOVEMBER: ALL

TIME	VISIBILITY IN STATUTE MILES																	
	10	9	8	7	6	5	4	3	2	1	1/2	1/4	1/8	1/16	1/32	1/64	1/128	0
0000Z	52.5	85.0	86.9	87.5	87.9	88.1	88.2	88.3	88.4	88.5	88.6	88.7	88.8	88.9	89.0	89.1	89.2	89.3
0100Z	88.7	88.8	89.1	89.1	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6
0200Z	89.1	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8
0300Z	89.2	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9
0400Z	89.3	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0
0500Z	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1
0600Z	89.5	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2
0700Z	89.6	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3
0800Z	89.7	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4
0900Z	89.8	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5
1000Z	89.9	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6
1100Z	90.0	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7
1200Z	90.1	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8
1300Z	90.2	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9
1400Z	90.3	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0
1500Z	90.4	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1
1600Z	90.5	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2
1700Z	90.6	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3
1800Z	90.7	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4
1900Z	90.8	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5
2000Z	90.9	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6
2100Z	91.0	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7
2200Z	91.1	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8
2300Z	91.2	91.3	91.4	91.5	91.6	91.7	91.8	91.9	92.0	92.1	92.2	92.3	92.4	92.5	92.6	92.7	92.8	92.9

TOTAL NUMBER OF OBSERVATIONS: 1700

U.S. GEOLOGICAL SURVEY  
 WATER RESOURCES DIVISION  
 STATION NUMBER 726395

PERCENTAGE FREQUENCY OF OCCURRENCE OF CERTAIN KINDS OF WEATHER  
 FROM WINDY QUANTITIES

STATION NAME: SOUTHWOOD RESERVE

DATE: 1958

WIND DIRECTION	WIND VELOCITY	DIRECTIONAL FREQUENCY IN PERCENT															
		0-5	6-10	11-15	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80
0-360	0-10	85.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0	100.0	100.0
0-360	11-20	85.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0	100.0	100.0
0-360	21-30	85.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0	100.0	100.0
0-360	31-40	85.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0	100.0	100.0
0-360	41-50	85.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0	100.0	100.0
0-360	51-60	85.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0	100.0	100.0
0-360	61-70	85.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0	100.0	100.0
0-360	71-80	85.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0	100.0	100.0
0-360	81-90	85.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0	100.0	100.0
0-360	91-100	85.0	87.0	88.0	89.0	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0	100.0	100.0

STATION NUMBER 726395

STATION NO. 10000000  
 DATE 1/1/52  
 SECTION 10000000

PERCENTAGE FREQUENCY OF OCCURRENCE OF WINDING VERSUS VELOCITY  
 FROM MONTHLY OBSERVATIONS

STATION NAME		SECTION NO.		DATE		WIND DIRECTION		PERIOD OF RECORD: 27 YRS									
								MONTH: OCT									
								WINDS (KNOTS): 10-14 KTS									
								VELOCITY IN STATUTE MILES									
WIND	DIR	SP	ST	SP	ST	SP	ST	SP	ST	SP	ST	SP	ST	SP	ST	SP	ST
10-14	000	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	015	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	030	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	045	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	060	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	075	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	090	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	105	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	120	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	135	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	150	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	165	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	180	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	195	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	210	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	225	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	240	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	255	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	270	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	285	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	300	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	315	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	330	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	345	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
10-14	360	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2

STATION NO. 10000000

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WOLFSMITH AFB MI

PERIOD OF RECORD: 77-84  
MONTH: OCT HOURS(LST): 0600-0600

CEILING	VISIBILITY IN STATUTE MILES																	
	IN FEET	GE 10	GE 6	GE 5	GE 4	GE 3 1/2	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	7.0	77.1	39.5	40.1	41.1	41.1	41.3	41.5	41.7	41.9	42.0	42.0	42.0	42.4	42.5	42.6	42.6	43.2
1 000	7.5	40.3	42.4	43.8	44.7	44.7	44.9	45.3	45.5	45.8	45.7	45.7	45.9	46.2	46.3	46.5	46.5	47.1
1 500	7.5	40.4	42.5	43.9	44.9	44.9	45.2	45.5	45.7	46.0	46.1	46.1	46.1	46.5	46.6	46.7	46.7	47.3
2 000	7.5	40.4	42.5	43.9	44.9	44.9	45.2	45.5	45.7	46.0	46.1	46.1	46.1	46.5	46.6	46.7	46.7	47.3
2 500	7.5	40.5	42.6	44.0	45.1	45.1	45.3	45.6	45.8	46.1	46.2	46.2	46.2	46.6	46.7	46.8	46.8	47.4
3 000	7.6	41.0	43.2	44.6	45.9	45.8	46.0	46.3	46.6	46.9	47.0	47.0	47.0	47.3	47.4	47.5	47.5	48.2
4 000	7.6	43.5	45.8	47.2	48.5	48.5	48.7	49.0	49.2	49.7	49.8	49.8	49.8	50.1	50.2	50.3	50.4	51.0
5 000	7.6	43.5	45.9	47.3	48.6	48.6	48.8	49.1	49.4	49.8	49.9	49.9	49.9	50.2	50.3	50.4	50.4	51.1
6 000	8.1	48.0	50.4	52.2	53.5	53.5	53.8	54.1	54.3	54.7	54.8	54.8	54.8	55.2	55.3	55.4	55.4	56.0
7 000	8.4	49.1	51.6	53.3	54.8	54.8	55.2	55.6	55.8	56.2	56.3	56.3	56.3	56.7	56.8	56.9	57.5	57.5
8 000	8.4	50.4	53.2	54.9	56.7	56.3	56.8	57.2	57.4	57.8	58.0	58.0	58.0	58.3	58.4	58.5	59.1	59.1
9 000	8.4	53.5	56.3	58.4	59.9	59.9	60.5	61.0	61.2	61.6	61.7	61.7	61.7	62.0	62.2	62.3	62.9	62.9
10 000	9.4	55.6	58.4	60.6	62.7	62.7	62.8	63.2	63.4	63.9	64.0	64.0	64.0	64.3	64.4	64.5	65.2	65.2
11 000	10.7	59.1	62.5	64.8	66.4	66.4	66.8	67.5	68.2	68.4	68.8	68.9	68.9	69.2	69.4	69.5	70.1	70.1
12 000	11.1	61.7	65.3	67.6	69.6	69.6	70.3	71.0	71.2	71.6	71.7	71.7	71.7	72.0	72.2	72.3	72.9	72.9
13 000	11.5	67.3	71.2	73.5	75.7	75.9	76.7	77.3	77.5	78.0	78.1	78.1	78.4	78.5	78.6	78.6	79.2	79.2
14 000	12.5	68.9	72.9	75.2	77.5	77.5	78.3	78.9	79.1	79.6	79.7	79.7	79.7	80.0	80.1	80.2	80.9	80.9
15 000	12.6	71.9	75.8	78.0	80.4	80.9	81.7	82.4	82.6	83.0	83.1	83.1	83.4	83.5	83.7	84.3	84.3	84.3
16 000	12.7	72.5	76.3	78.9	81.4	81.6	82.5	83.1	83.3	83.6	83.9	83.9	84.2	84.3	84.4	84.4	85.1	85.1
17 000	12.6	74.5	78.6	81.3	83.9	84.1	84.9	85.7	85.9	86.3	86.5	86.5	86.8	86.9	87.0	87.6	87.6	87.6
18 000	12.6	75.7	79.9	82.7	85.6	85.6	86.7	87.4	87.6	88.1	88.2	88.2	88.5	88.6	88.7	89.4	89.4	89.4
19 000	12.7	76.1	80.3	83.5	86.4	86.6	87.8	88.7	89.2	89.7	89.8	89.8	90.1	90.2	90.3	91.0	91.0	91.0
20 000	12.6	76.2	80.4	84.0	87.1	87.2	88.4	89.4	90.0	90.4	90.5	90.5	90.9	91.0	91.1	91.7	91.7	91.7
21 000	12.6	76.3	80.5	84.1	87.3	87.5	88.9	89.9	90.5	91.1	91.2	91.2	91.5	91.6	91.7	92.4	92.4	92.4
22 000	12.6	76.3	80.6	84.4	87.6	87.6	89.9	90.9	91.8	92.4	92.5	92.5	92.8	92.9	93.0	93.7	93.7	93.7
23 000	12.7	76.3	80.6	84.6	88.0	88.0	90.5	91.8	92.9	93.4	93.5	93.5	94.0	94.1	94.2	94.8	94.8	94.8
24 000	13.4	76.6	81.0	85.1	89.0	89.5	91.4	92.9	94.0	94.5	94.6	94.6	95.1	95.2	95.3	95.9	95.9	95.9
25 000	13.4	76.6	81.0	85.1	89.1	89.5	91.7	93.5	94.7	95.4	95.4	95.4	96.5	96.6	96.8	97.4	97.4	97.4
26 000	13.4	76.6	81.0	85.1	89.1	89.5	91.7	93.7	94.8	95.7	96.2	96.3	97.3	97.4	97.6	98.3	98.3	98.3
27 000	13.6	76.6	81.0	85.1	89.1	89.5	91.7	93.8	94.9	96.2	96.8	96.9	98.1	98.3	98.6	99.6	99.6	99.6
28 000	13.6	76.6	81.0	85.1	89.1	89.5	91.7	93.8	94.9	96.2	96.8	96.9	98.1	98.3	98.6	99.6	99.6	99.6
TOTAL	100.0	76.6	81.0	85.1	89.0	89.5	91.7	93.8	94.9	96.2	96.8	96.9	98.1	98.4	98.7	100.0		

TOTAL NUMBER OF OBSERVATIONS: 430

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WRIGHTSMITH AFB MI

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

CEILING FEET	VISIBILITY IN STATUTE MILES																
	1	10	6	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
NO CEIL	7.3	34.4	34.9	34.9	35.4	35.5	35.5	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.9	35.9	36.2
GE 2000	7.4	40.6	41.4	41.4	41.9	42.0	42.2	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.7	42.7	43.0
GE 1800	7.4	40.9	41.5	41.6	42.3	42.4	42.5	42.8	42.9	42.9	42.9	42.9	42.9	42.9	43.0	43.0	43.3
GE 1600	7.4	40.9	41.5	41.6	42.3	42.4	42.5	42.8	42.9	42.9	42.9	42.9	42.9	42.9	43.0	43.0	43.3
GE 1400	7.4	40.9	41.5	41.6	42.3	42.4	42.5	42.8	42.9	42.9	42.9	42.9	42.9	42.9	43.0	43.0	43.3
GE 1200	7.8	42.3	42.9	43.0	43.8	43.9	44.0	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.5	44.8
GE 1000	7.8	45.4	46.1	46.6	47.4	47.5	47.7	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.3	48.6
GE 900	7.8	45.8	46.7	47.1	48.7	48.1	48.3	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.8	48.8	49.1
GE 800	8.5	49.2	50.0	51.1	52.7	52.2	52.4	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.9	52.9	53.2
GE 700	9.5	51.2	52.8	53.2	54.7	54.3	54.5	54.8	54.9	54.9	54.9	54.9	54.9	54.9	55.1	55.1	55.4
GE 600	8.6	52.0	53.9	54.3	55.3	55.4	55.7	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.7
GE 500	8.8	53.2	55.1	55.5	56.5	56.8	57.8	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6	58.0
GE 450	9.2	55.4	57.5	56.1	59.0	59.1	59.6	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.2	60.2	60.5
GE 400	9.7	60.3	62.6	63.2	64.3	64.4	65.1	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.7	65.7	66.0
GE 350	10.4	63.9	66.1	66.8	67.8	68.1	68.7	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.4	69.4	69.7
GE 300	10.6	69.0	71.4	72.2	73.3	73.5	74.2	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	75.2
GE 250	11.1	71.8	74.4	75.3	76.5	76.9	77.5	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.5
GE 200	11.2	75.9	78.5	79.6	80.9	81.5	82.2	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8	83.1
GE 180	11.2	76.8	79.5	80.5	81.3	82.5	83.1	83.5	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8	84.1
GE 160	11.3	79.5	82.3	83.5	84.9	85.7	86.6	87.1	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.6
GE 150	11.5	80.5	83.3	85.2	86.7	87.3	88.2	88.7	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9	89.2
GE 140	11.6	81.0	83.6	85.7	87.3	88.1	89.1	89.7	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9	90.3
GE 130	11.6	81.0	83.6	85.8	87.7	88.5	89.7	90.2	90.3	90.3	90.3	90.3	90.4	90.4	90.5	90.5	90.9
GE 120	11.6	81.0	83.9	86.2	88.5	89.4	90.6	91.3	91.4	91.4	91.4	91.4	91.5	91.5	91.6	91.6	91.9
GE 110	11.6	81.1	84.0	86.5	88.7	89.9	91.3	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.7
GE 100	11.6	81.1	84.1	86.8	89.4	90.8	92.2	92.9	93.1	93.5	93.5	93.5	93.7	93.7	93.8	93.8	94.1
GE 90	11.6	81.3	84.4	87.4	90.7	91.6	93.2	94.3	94.5	94.9	95.2	95.3	95.3	95.4	95.4	95.4	95.7
GE 80	11.6	81.3	84.4	87.5	90.4	91.8	93.7	95.9	96.6	97.1	97.7	97.8	97.8	98.0	98.0	98.0	98.3
GE 70	11.6	81.3	84.5	87.7	90.0	92.0	93.9	96.2	96.9	97.6	98.4	98.5	98.5	98.6	98.6	98.7	99.2
GE 60	11.6	81.3	84.5	87.7	90.4	92.0	93.9	96.2	96.9	97.6	98.4	98.6	98.6	98.9	99.0	99.1	99.8
GE 50	11.6	81.3	84.5	87.7	90.4	92.0	93.9	96.2	96.9	97.6	98.5	98.7	98.7	98.9	99.1	99.2	99.9
GE 40	11.6	81.3	84.5	87.7	90.6	92.0	93.9	96.2	96.9	97.6	98.5	98.7	98.8	99.1	99.2	100.0	

TOTAL NUMBER OF OBSERVATIONS: 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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

CEILING VISIBILITY IN STATUTE MILES

IN FEET	10	6	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
NO CLIL	5.7	13.7	34.2	34.5	34.9	34.6	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
GE 20000	7.2	41.0	41.0	42.0	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 18000	7.2	41.0	41.0	42.0	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 16000	7.2	41.2	41.8	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 14000	7.2	41.5	42.2	42.7	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
GE 12000	7.5	42.6	43.2	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
GE 10000	7.7	45.2	45.9	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 9000	7.7	45.9	46.7	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 8000	8.1	48.6	49.4	49.9	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 7000	8.1	50.8	51.5	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 6000	8.3	52.0	52.8	53.7	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
GE 5000	8.5	53.1	53.9	54.7	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 4000	8.6	54.0	54.7	55.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 3000	12.0	59.5	60.2	61.1	61.9	61.9	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 2000	12.6	63.4	64.3	65.2	66.1	66.1	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
GE 1000	11.7	72.5	73.3	74.3	75.4	75.4	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 2000	12.3	78.3	79.1	80.3	81.4	81.4	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 1800	12.3	81.0	81.9	83.8	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 1600	12.3	82.3	83.7	85.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1400	12.6	84.9	86.9	88.7	89.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 1200	12.6	85.0	87.8	90.0	91.5	91.8	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1000	12.6	86.0	88.4	90.8	92.4	93.0	93.2	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 900	12.6	86.0	88.6	91.0	92.7	93.3	93.8	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 800	12.6	86.7	89.5	91.9	93.9	94.4	95.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
GE 700	12.6	86.8	89.7	92.3	94.4	94.9	95.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
GE 600	12.6	86.8	89.7	92.3	94.4	95.1	95.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
GE 500	12.6	86.8	89.7	92.3	94.4	95.8	96.6	98.2	98.5	98.7	99.0	99.0	99.0	99.0	99.0	99.0
GE 400	12.6	86.9	89.8	92.8	95.1	96.3	97.1	98.9	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9
GE 300	12.6	86.9	89.9	92.0	95.1	96.3	97.1	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	12.6	86.9	89.8	92.8	95.1	96.3	97.1	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	12.6	86.9	89.8	92.0	95.1	96.3	97.1	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 0	12.6	86.9	89.8	92.8	95.1	96.3	97.1	99.0	99.5	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1500-1700

CEILING FEET	VISIBILITY IN STATUTE MILES															
	NO CEIL	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7	17.7	18.7	19.7
NO CEIL	5.7	33.5	33.8	34.2	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
CE 20000	6.7	40.8	41.3	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
CE 18000	6.7	40.9	41.4	41.8	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
CE 16500	6.7	41.0	41.5	41.9	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
CE 14000	6.9	41.7	42.3	42.7	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
CE 12000	7.1	42.8	43.3	43.8	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
CE 10000	7.6	46.2	46.6	47.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
CE 9000	7.7	46.5	47.0	47.4	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
CE 8000	8.8	50.4	51.0	51.5	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
CE 7000	8.9	53.3	53.9	54.4	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
CE 6000	9.0	53.7	54.2	54.7	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
CE 5000	9.2	55.4	55.9	56.6	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
CE 4500	9.5	56.3	56.9	57.6	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
CE 4000	11.8	64.3	65.3	66.0	66.7	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
CE 3500	11.5	68.8	69.9	70.6	71.3	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
CE 3000	12.8	76.1	77.4	78.3	78.9	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
CE 2500	12.8	80.9	82.3	83.3	84.0	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
CE 2000	12.9	83.7	85.6	86.9	87.6	87.8	87.8	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
CE 1800	13.0	84.3	86.2	87.5	88.3	88.5	88.5	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
CE 1500	13.2	86.9	89.1	90.4	91.3	91.6	91.6	91.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
CE 1200	13.2	87.6	89.5	90.8	91.7	92.3	92.3	92.3	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
CE 1000	13.2	87.1	89.6	91.6	92.7	93.3	93.3	94.0	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
CE 900	13.2	87.3	89.9	92.0	93.2	93.9	93.9	94.5	94.8	94.9	94.9	94.9	95.1	95.1	95.1	95.1
CE 800	13.2	87.5	90.1	92.6	93.7	94.5	94.7	95.5	95.8	95.9	95.9	96.0	96.0	96.0	96.0	96.0
CE 700	13.2	88.2	90.8	93.3	94.8	95.3	95.6	96.3	96.7	96.8	96.8	96.9	97.0	97.0	97.0	97.0
CE 600	13.2	88.3	91.0	93.5	94.7	95.6	95.9	96.9	97.2	97.3	97.4	97.4	97.5	97.5	97.5	97.5
CE 500	13.2	88.4	91.2	94.0	95.4	96.1	96.7	98.2	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0
CE 400	13.2	88.4	91.2	94.0	95.4	96.1	96.7	98.3	99.1	99.2	99.4	99.4	99.5	99.5	99.5	99.5
CE 300	13.2	88.4	91.2	94.0	95.4	96.1	96.7	98.4	99.2	99.5	99.7	99.7	99.8	99.8	99.8	99.8
CE 200	13.2	88.4	91.2	94.0	95.4	96.1	96.7	98.4	99.2	99.5	99.7	99.7	99.9	99.9	99.9	99.9
CE 100	13.2	88.4	91.2	94.0	95.4	96.1	96.7	98.4	99.2	99.5	99.7	99.7	99.9	100.0	100.0	100.0
CE 0	13.2	88.4	91.2	94.0	95.4	96.1	96.7	98.4	99.2	99.5	99.7	99.7	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 936

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: OCT HOURS(LST): 1900-2000

FORM 1051

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	0.8	40.8	41.4	41.6	41.9	41.9	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 20000	7.2	44.5	45.6	46.0	46.5	46.5	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 18000	7.2	44.5	45.6	46.0	46.5	46.5	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 16000	7.2	44.5	45.6	46.0	46.5	46.5	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 14000	7.2	44.5	45.6	46.0	46.5	46.5	46.6	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
GE 12000	7.2	46.1	47.3	47.7	48.2	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
GE 10000	7.7	49.9	51.1	51.5	51.9	51.9	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 9000	7.7	50.1	51.3	51.7	52.3	52.3	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 8000	9.9	54.6	56.0	56.6	57.1	57.1	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
GE 7000	9.1	57.3	58.7	59.2	59.9	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 6000	9.2	57.6	59.2	59.8	60.3	60.3	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 5000	9.4	58.5	60.4	61.1	61.6	61.6	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 4500	10.0	61.2	62.8	63.5	64.1	64.1	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 4000	11.1	68.9	70.9	71.9	72.7	72.7	73.0	73.4	73.5	73.7	73.7	73.8	73.8	73.8	73.8	73.8
GE 3500	12.0	72.7	74.7	75.9	76.6	77.0	77.4	77.6	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8
GE 3000	12.3	76.9	79.0	80.5	81.3	81.7	82.3	82.5	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7
GE 2500	12.7	81.2	83.4	85.3	86.1	86.6	87.1	87.3	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6
GE 2000	12.7	83.7	86.1	88.3	89.7	89.7	90.3	90.5	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9
GE 1800	12.7	84.2	86.7	88.8	89.8	90.2	91.0	91.3	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6
GE 1500	12.7	85.9	88.6	90.8	91.7	92.2	92.9	93.2	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5
GE 1000	12.7	86.2	88.9	91.1	92.0	92.5	93.2	93.5	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9
GE 800	12.7	86.5	89.2	91.5	92.7	93.1	94.0	94.3	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6
GE 700	12.7	86.8	89.6	92.0	93.2	93.7	94.5	94.8	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2
GE 600	12.7	87.1	90.2	92.5	93.7	94.1	94.9	95.3	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6
GE 500	12.7	87.2	90.4	92.6	93.9	94.2	95.1	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7
GE 400	12.7	87.2	90.3	92.6	93.9	94.2	95.1	95.4	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9
GE 300	12.7	87.2	90.4	92.9	94.3	94.7	95.7	96.2	96.9	97.0	97.3	97.3	97.3	97.3	97.3	97.3
GE 200	12.7	87.2	90.4	92.9	94.4	94.8	96.0	96.8	97.7	97.8	98.3	98.3	98.3	98.3	98.3	98.3
GE 100	12.7	87.2	90.4	92.9	94.4	94.8	96.0	97.1	98.2	98.5	98.9	99.1	99.1	99.1	99.1	99.1
GE 50	12.7	87.2	90.4	92.9	94.4	94.8	96.0	97.1	98.2	98.5	98.9	99.1	99.2	99.2	99.2	99.2
GE 0	12.7	87.2	90.4	92.9	94.4	94.8	96.0	97.1	98.2	98.5	98.9	99.1	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WUWISHITH AFB MI

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

CEILING IN FEET	VISIBILITY IN STATUTE MILES																	
	1	1/2	1/4	1/8	1/16	1/32	1/64	1/128	1/256	1/512	1/1024	1/2048	1/4096	1/8192	1/16384	1/32768	1/65536	0
NO CEIL	9.1	44.9	45.9	46.5	46.9	47.4	47.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 20000	8.4	47.3	48.6	49.2	49.8	50.3	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 18000	8.4	47.3	48.6	49.2	49.8	50.3	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 16000	8.4	47.3	48.6	49.2	49.8	50.3	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 14000	8.6	47.8	49.1	49.8	50.3	50.9	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 12000	8.6	49.4	50.6	51.3	51.9	52.4	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 10000	8.9	51.6	52.9	53.5	54.1	54.6	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 9000	9.1	52.4	53.7	54.3	54.8	55.4	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 8000	10.1	56.9	58.4	59.1	59.7	60.2	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 7000	10.1	58.0	59.5	60.2	60.8	61.3	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 6000	10.7	58.8	60.3	61.1	61.6	62.2	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 5000	10.3	60.9	62.6	63.3	63.9	64.4	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 4500	10.8	64.5	66.6	67.3	67.8	68.4	68.9	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 4000	11.6	71.2	73.2	74.3	74.9	75.6	76.3	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 3500	11.9	73.3	75.4	76.6	77.1	77.8	78.6	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 3000	11.9	78.2	80.5	82.0	82.6	83.3	84.1	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 2500	12.6	79.9	82.4	84.3	84.9	85.6	86.3	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 2000	12.4	82.8	85.6	87.6	88.2	88.7	89.0	89.9	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 1800	12.4	83.3	86.1	88.2	88.9	89.8	90.6	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1600	12.4	84.5	87.4	89.5	90.2	91.1	91.9	92.4	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1500	12.4	84.9	88.0	90.2	91.0	92.2	93.0	93.4	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 1400	12.4	85.2	88.4	90.6	91.4	92.9	93.8	94.2	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1300	12.4	85.4	88.6	91.0	92.2	93.2	94.1	94.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GE 1200	12.4	85.5	88.7	91.1	92.4	93.4	94.3	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 1100	12.4	85.5	88.7	91.2	92.5	93.5	94.4	94.8	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 1000	12.4	85.7	88.9	91.4	92.7	93.8	94.6	95.1	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
GE 900	12.4	85.9	89.1	91.6	93.0	94.1	95.1	95.5	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 800	12.4	85.9	89.1	91.7	93.1	94.2	95.3	95.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GE 700	12.4	85.9	89.1	91.7	93.7	94.3	95.5	95.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
GE 600	12.4	85.9	89.1	91.7	93.7	94.3	95.5	96.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 500	12.4	85.9	89.1	91.7	93.7	94.3	95.5	96.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 400	12.4	85.9	89.1	91.7	93.7	94.3	95.5	96.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 300	12.4	85.9	89.1	91.7	93.7	94.3	95.5	96.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 200	12.4	85.9	89.1	91.7	93.7	94.3	95.5	96.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 100	12.4	85.9	89.1	91.7	93.7	94.3	95.5	96.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
GE 01	12.4	85.9	89.1	91.7	93.7	94.3	95.5	96.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAF/CLAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WOOTSMITH AFB MI

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

CEILING	VISIBILITY IN STATUTE MILES																
	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	6.7	38.9	39.9	40.3	40.4	41.0	41.1	41.3	41.4	41.5	41.6	41.6	41.7	41.7	41.7	41.7	41.9
GE 2000	7.4	43.2	44.3	44.9	45.4	45.6	45.7	46.0	46.1	46.2	46.3	46.3	46.4	46.4	46.5	46.5	46.7
GE 1800	7.4	43.3	44.4	45.0	45.6	45.7	45.9	46.1	46.2	46.3	46.4	46.4	46.5	46.5	46.6	46.6	46.8
GE 1600	7.4	43.3	44.4	45.0	45.6	45.7	45.9	46.1	46.2	46.3	46.4	46.4	46.5	46.5	46.6	46.6	46.8
GE 1400	7.4	43.6	44.7	45.3	45.8	46.0	46.1	46.4	46.5	46.6	46.7	46.7	46.8	46.8	46.9	46.9	47.1
GE 1200	7.6	44.7	45.8	46.4	47.0	47.2	47.3	47.5	47.7	47.8	47.9	47.9	48.0	48.0	48.1	48.1	48.2
GE 1000	7.8	47.5	48.7	49.3	49.9	50.1	50.2	50.5	50.6	50.7	50.8	50.8	50.9	50.9	51.0	51.0	51.2
GE 900	7.6	47.6	49.1	49.7	50.5	50.5	50.7	51.0	51.1	51.2	51.3	51.3	51.4	51.4	51.5	51.5	51.7
GE 800	8.7	51.6	53.1	54.0	54.7	54.8	55.0	55.3	55.4	55.6	55.6	55.6	55.7	55.7	55.8	55.8	56.0
GE 700	8.8	53.4	54.9	55.8	56.5	56.6	56.8	57.1	57.2	57.4	57.4	57.4	57.5	57.5	57.6	57.6	57.8
GE 600	8.9	54.3	55.8	56.7	57.4	57.6	57.8	58.1	58.2	58.4	58.4	58.4	58.5	58.5	58.6	58.6	58.8
GE 500	9.1	56.2	57.6	58.8	59.5	59.7	59.9	60.2	60.4	60.5	60.6	60.6	60.7	60.7	60.8	60.8	61.0
GE 450	9.6	58.3	60.0	61.1	61.9	62.0	62.2	62.6	62.8	62.9	63.0	63.0	63.1	63.1	63.2	63.2	63.4
GE 400	10.4	64.1	66.1	67.3	68.1	68.4	68.7	69.2	69.4	69.5	69.6	69.6	69.7	69.7	69.8	69.8	70.0
GE 350	10.9	67.3	69.3	70.6	71.4	71.7	72.1	72.5	72.7	72.9	73.0	73.0	73.1	73.1	73.2	73.2	73.5
GE 300	11.3	73.1	75.3	76.7	77.6	77.9	78.3	78.7	78.9	79.1	79.2	79.2	79.2	79.2	79.3	79.3	79.5
GE 250	11.6	76.5	78.9	80.5	81.4	81.8	82.2	82.6	82.8	83.0	83.1	83.1	83.1	83.2	83.3	83.3	83.4
GE 200	11.7	79.3	82.0	83.8	84.8	85.2	85.6	86.1	86.3	86.5	86.5	86.5	86.6	86.6	86.7	86.7	86.9
GE 180	11.7	80.0	82.8	84.5	85.6	86.0	86.5	86.9	87.2	87.3	87.4	87.4	87.5	87.5	87.6	87.6	87.8
GE 150	11.8	82.3	85.3	87.2	88.3	88.8	89.2	89.8	90.1	90.2	90.3	90.3	90.4	90.4	90.5	90.5	90.7
GE 100	11.6	83.1	86.2	88.2	89.6	90.1	90.6	91.2	91.5	91.6	91.7	91.7	91.8	91.9	91.9	92.1	
GE 100	11.6	83.5	86.7	89.0	90.5	91.1	91.7	92.4	92.7	92.8	92.9	93.0	93.0	93.1	93.1	93.1	93.3
GE 200	11.9	83.6	86.9	89.3	90.7	91.5	92.2	92.9	93.3	93.4	93.5	93.5	93.6	93.6	93.7	93.7	93.9
GE 300	11.9	83.8	87.2	89.7	91.4	92.1	92.8	93.6	93.9	94.1	94.2	94.2	94.3	94.3	94.4	94.4	94.6
GE 400	11.9	83.9	87.4	89.9	91.7	92.4	93.3	94.1	94.5	94.6	94.7	94.8	94.9	94.9	95.0	95.0	95.2
GE 500	11.6	84.0	87.4	90.1	92.0	92.8	93.7	94.6	95.2	95.4	95.5	95.5	95.6	95.7	95.8	95.9	
GE 500	11.9	84.1	87.6	90.4	92.6	93.3	94.3	95.5	96.1	96.4	96.6	96.6	96.7	96.8	96.9	96.9	97.0
GE 400	11.9	84.1	87.6	90.4	92.6	93.5	94.7	96.0	97.0	97.3	97.6	97.6	97.8	97.8	97.9	98.1	
GE 300	11.9	84.1	87.6	90.5	92.8	93.5	94.8	96.3	97.2	97.6	98.0	98.1	98.3	98.4	98.5	98.7	
GE 200	11.9	84.1	87.6	90.5	92.6	93.5	94.8	96.4	97.3	98.0	98.4	98.5	98.9	99.0	99.1	99.4	
GE 100	11.9	84.1	87.6	90.5	92.6	93.5	94.8	96.4	97.4	98.0	98.5	98.6	99.0	99.1	99.3	99.7	
GE 0	11.9	84.1	87.6	90.5	92.6	93.5	94.8	96.4	97.4	98.0	98.5	98.6	99.0	99.1	99.3	100.0	

TOTAL NUMBER OF OBSERVATIONS: 7440

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TIAC  
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WULFSMITH AFB MI

PERIOD OF RECORD: 77-86  
 MONTH: NOV HOURS: 0100-0200

CEILING FEET	VISIBILITY IN STATUTE MILES															
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	1/4	1/4	0
NO CEILING	3.7	31.0	32.4	33.4	34.7	34.2	34.4	35.0	35.0	35.0	35.2	35.2	35.6	35.6	35.6	36.0
GE 2000	7.8	32.9	34.8	35.8	36.7	36.7	36.9	37.6	37.6	37.6	37.6	37.8	37.8	37.8	38.1	38.6
GE 1800	3.8	32.9	34.8	35.8	36.7	36.7	36.9	37.6	37.6	37.6	37.6	37.8	37.8	38.1	38.1	38.6
GE 1600	3.8	32.9	34.8	35.8	36.7	36.7	36.9	37.6	37.6	37.6	37.6	37.8	37.8	38.1	38.1	38.6
GE 1400	5.8	33.2	35.1	36.1	37.0	37.0	37.2	37.9	37.9	37.9	38.1	38.1	38.4	38.4	38.4	38.9
GE 1200	4.1	33.8	35.7	36.7	37.6	37.6	37.8	38.4	38.4	38.4	38.7	38.7	39.0	39.0	39.0	39.4
GE 1000	4.4	37.3	39.3	40.3	41.3	41.2	41.4	42.1	42.1	42.1	42.3	42.3	42.7	42.7	42.7	43.1
GE 900	4.4	38.3	40.3	41.3	42.2	42.2	42.4	43.1	43.1	43.1	43.3	43.3	43.7	43.7	43.7	44.1
GE 800	5.0	41.2	43.9	44.9	45.8	45.8	46.0	46.7	46.7	46.7	46.9	46.9	47.2	47.2	47.2	47.7
GE 700	5.0	42.8	45.4	46.4	47.3	47.3	47.6	48.2	48.2	48.2	48.4	48.4	48.8	48.8	48.8	49.2
GE 600	5.0	43.3	46.2	47.2	48.1	48.1	48.3	49.0	49.0	49.0	49.2	49.2	49.6	49.6	49.6	50.0
GE 500	5.0	46.6	49.7	50.8	51.7	51.7	51.9	52.6	52.6	52.6	52.8	52.8	53.1	53.1	53.1	53.6
GE 450	5.1	48.4	51.8	52.9	54.0	54.0	54.2	55.1	55.1	55.1	55.3	55.3	55.7	55.7	55.7	56.1
GE 400	5.2	55.3	59.3	60.8	62.4	62.4	62.7	63.8	63.8	63.8	64.0	64.0	64.3	64.3	64.3	64.8
GE 350	6.6	59.9	63.9	65.4	67.1	67.1	67.3	68.4	68.4	68.4	68.7	68.7	69.0	69.0	69.0	69.4
GE 300	7.1	65.6	69.6	71.2	73.2	73.2	73.6	74.7	74.7	74.7	74.8	74.8	75.1	75.1	75.1	75.6
GE 250	7.1	69.0	73.7	75.4	77.6	77.6	77.9	79.0	79.0	79.0	79.4	79.4	79.9	79.9	79.9	80.3
GE 200	7.1	72.3	77.1	79.0	81.2	81.2	81.6	82.7	82.7	82.7	82.8	83.1	83.2	83.2	83.2	83.6
GE 180	7.1	73.7	78.6	80.4	82.7	82.7	83.0	84.1	84.1	84.1	84.2	84.6	84.7	84.7	84.7	85.0
GE 150	7.2	76.1	81.4	83.8	86.3	86.3	86.7	87.9	87.9	87.9	88.0	88.3	88.4	88.8	88.8	89.2
GE 120	7.7	77.2	82.7	85.1	87.7	87.7	88.0	89.2	89.2	89.2	89.3	89.7	89.8	90.1	90.1	90.6
GE 100	7.8	77.6	83.0	85.6	88.2	88.2	88.6	90.0	90.0	90.0	90.1	90.4	90.6	90.9	90.9	91.3
GE 90	7.8	77.7	83.3	86.0	88.7	88.7	89.0	90.4	90.4	90.4	90.6	90.9	91.0	91.3	91.3	91.8
GE 80	7.8	77.9	83.8	86.9	89.6	89.6	89.9	91.4	91.4	91.4	91.6	91.9	92.0	92.3	92.3	92.8
GE 70	7.8	78.7	84.6	87.7	90.4	90.4	91.3	93.4	93.4	93.4	93.8	94.1	94.2	94.6	94.6	95.0
GE 60	7.8	79.0	85.0	88.1	91.6	91.6	92.7	94.3	94.3	94.3	94.7	95.0	95.1	95.4	95.4	95.9
GE 50	7.8	79.0	85.4	88.7	92.1	92.1	92.6	94.8	94.8	94.8	95.1	95.4	95.6	95.9	95.9	96.3
GE 40	7.8	79.0	85.4	88.7	92.1	92.1	92.6	94.8	94.8	94.8	95.1	95.4	95.6	95.9	95.9	96.3
GE 30	7.8	79.0	85.4	88.7	92.1	92.1	92.6	94.8	94.8	94.8	95.1	95.4	95.6	95.9	95.9	96.3
GE 20	7.8	79.0	85.4	88.7	92.1	92.1	92.6	94.8	94.8	94.8	95.1	95.4	95.6	95.9	95.9	96.3
GE 10	7.8	79.0	85.4	88.7	92.1	92.1	92.6	94.8	94.8	94.8	95.1	95.4	95.6	95.9	95.9	96.3

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: 726395 STATION NAME: WORTSMITH AFB MI

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

CEILING	VISIBILITY IN STATUTE MILES															
	IN FEET	GE 10	GE 6	GE 4	GE 2 1/2	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 CLIL	4.3	31.3	32.7	34.2	34.4	35.1	35.3	36.1	36.1	36.6	36.6	36.7	36.9	37.0	37.1	37.4
GE 2000	4.3	31.9	33.6	35.1	35.7	36.0	36.2	37.0	37.0	37.4	37.4	37.6	37.8	37.9	38.0	38.6
GE 1800	4.3	31.9	33.6	35.1	35.7	36.0	36.2	37.0	37.0	37.4	37.4	37.6	37.8	37.9	38.0	38.6
GE 1600	4.3	31.9	33.6	35.1	35.7	36.0	36.2	37.0	37.0	37.4	37.4	37.6	37.8	37.9	38.0	38.6
GE 1400	4.3	32.0	33.7	35.2	35.7	36.1	36.3	37.1	37.1	37.6	37.6	37.7	37.9	38.0	38.1	38.7
GE 1200	4.3	32.3	34.0	35.6	36.1	36.4	36.7	37.4	37.4	37.9	37.9	38.0	38.2	38.3	38.4	39.0
GE 1000	4.7	34.7	36.7	38.2	38.8	39.1	39.3	40.1	40.1	40.6	40.6	40.7	40.9	41.0	41.1	41.7
GE 900	4.7	35.0	37.3	38.9	39.4	39.6	40.0	40.8	40.8	41.2	41.2	41.3	41.6	41.7	41.8	42.3
GE 800	4.8	37.0	39.8	41.6	42.1	42.4	42.7	43.4	43.4	43.9	43.9	44.0	44.2	44.3	44.4	45.0
GE 700	4.8	39.0	41.8	43.6	44.1	44.6	44.8	45.6	45.6	46.0	46.0	46.1	46.3	46.4	46.6	47.1
GE 600	4.8	39.6	42.4	44.2	44.8	45.2	45.4	46.2	46.2	46.7	46.7	46.8	47.0	47.1	47.2	47.8
GE 500	5.1	42.7	45.7	47.6	48.1	48.6	48.8	49.6	49.6	50.0	50.0	50.1	50.3	50.4	50.6	51.1
GE 400	5.1	44.6	47.7	49.6	50.1	50.6	50.8	51.6	51.6	52.0	52.0	52.1	52.3	52.4	52.6	53.1
GE 300	6.1	52.8	57.0	59.7	60.6	61.1	61.3	62.1	62.1	62.6	62.6	62.7	62.9	63.0	63.1	63.7
GE 200	6.2	55.7	60.7	63.3	64.2	64.8	65.0	65.8	65.8	66.2	66.2	66.3	66.6	66.7	66.8	67.3
GE 100	6.4	59.7	65.0	67.8	69.1	69.7	69.9	70.7	70.7	71.2	71.2	71.3	71.6	71.7	71.8	72.3
GE 1000	7.2	65.2	70.6	73.9	75.3	75.9	76.1	76.9	76.9	77.4	77.4	77.6	77.8	77.9	78.0	78.6
GE 2000	7.2	69.3	75.1	78.7	80.3	80.9	81.2	82.0	82.0	82.6	82.6	82.7	82.9	83.0	83.1	83.7
GE 1800	7.2	70.0	75.8	79.3	81.1	81.8	82.2	83.0	83.0	83.7	83.7	83.8	84.0	84.1	84.2	84.8
GE 1600	7.2	71.8	78.0	81.6	83.6	84.3	84.8	85.7	85.7	86.3	86.3	86.4	86.7	86.8	86.9	87.4
GE 1400	7.6	73.1	79.3	83.1	85.1	85.9	86.3	87.4	87.4	88.1	88.1	88.2	88.4	88.6	88.7	89.2
GE 1200	7.6	73.5	80.4	84.2	86.4	87.7	88.2	89.3	89.3	90.1	90.1	90.2	90.4	90.6	90.7	91.2
GE 1000	7.9	73.9	80.7	84.4	87.1	87.9	88.6	89.8	89.8	90.6	90.6	90.7	90.9	91.0	91.1	91.7
GE 900	7.9	73.9	80.7	84.4	87.1	87.9	88.6	89.8	89.8	90.6	90.6	90.7	90.9	91.0	91.1	91.7
GE 800	7.9	74.1	81.0	85.1	88.1	88.9	89.7	91.3	91.3	92.3	92.3	92.4	92.7	92.8	92.9	93.4
GE 700	7.9	74.0	81.0	85.7	89.1	89.9	90.9	92.6	92.6	93.6	93.6	93.7	93.9	94.0	94.1	94.7
GE 600	7.9	74.6	81.0	85.7	89.3	90.1	91.2	93.0	93.0	94.4	94.4	94.6	94.8	94.9	95.0	95.6
GE 500	7.9	74.6	81.6	85.7	89.7	90.6	91.8	93.7	93.7	95.1	95.1	95.2	95.6	96.7	96.1	96.8
GE 400	7.9	74.7	81.8	86.0	90.0	90.9	92.2	94.4	94.4	95.9	95.9	96.2	96.7	97.3	97.6	98.4
GE 300	7.9	74.7	81.8	86.0	90.0	90.9	92.2	94.4	94.4	95.9	95.9	96.2	96.7	97.3	97.6	98.4
GE 200	7.9	74.7	81.8	86.0	90.0	90.9	92.3	94.6	94.6	95.0	95.0	96.2	96.6	97.0	97.7	98.9
GE 100	7.9	74.7	81.8	86.0	90.0	90.9	92.3	94.6	94.6	95.0	95.0	96.2	96.6	97.0	97.7	98.9
GE 100	7.9	74.7	81.8	86.0	90.0	90.9	92.3	94.6	95.0	96.2	96.6	97.0	97.7	97.9	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
 USAF/TAC  
 AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VISIBILITY  
 FROM HOURLY OBSERVATION

STATION NUMBER: 726495 STATION NAME: WASHINGTON AIR MIL

PERIOD OF RECORD: 1961  
 MONTH: NOV. HOUR: 0100Z

CEILING FEET	VISIBILITY IN STATUTE MILES						VISIBILITY IN STATUTE MILES								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
NO CEIL	4.9	28.6	29.7	31.0	31.7	32.6	33.7	33.8	33.8	34.1	34.2	34.2	34.2	34.2	34.2
GF 2000	7.9	29.7	30.7	32.4	33.0	34.1	34.9	35.1	35.1	35.2	35.2	35.2	35.2	35.2	35.2
GF 1800	5.9	29.6	30.6	32.6	33.7	34.7	34.9	35.1	35.1	35.2	35.2	35.2	35.2	35.2	35.2
GF 1600	3.9	29.9	31.0	32.7	33.7	34.3	35.0	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
GF 1400	3.9	30.0	31.1	32.8	33.7	34.4	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GF 1200	3.9	30.3	31.4	33.3	34.3	35.0	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
GF 1000	3.9	31.7	32.9	34.9	36.1	36.7	37.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
GF 900	3.9	31.6	33.0	35.0	36.1	36.8	37.4	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
GF 800	4.1	33.3	34.7	36.7	38.0	38.8	39.4	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GF 700	4.1	35.0	36.3	38.4	39.8	40.6	41.2	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GF 600	4.1	35.2	36.6	39.0	40.7	41.1	41.8	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
GF 500	4.3	37.3	39.1	41.7	43.0	43.6	44.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GF 450	4.3	38.8	40.9	43.2	44.8	45.3	46.0	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GF 400	4.7	46.4	49.2	51.9	53.7	54.1	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GF 350	5.6	50.8	53.8	56.6	57.9	58.6	59.6	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GF 300	5.7	54.2	57.6	60.6	62.3	63.3	64.1	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GF 250	6.2	60.6	64.2	67.4	69.7	70.6	71.4	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GF 200	6.2	65.2	69.0	72.2	74.6	75.7	76.9	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GF 180	6.2	66.2	70.1	73.3	75.8	77.1	78.3	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GF 160	6.3	68.9	73.1	76.7	79.1	80.4	81.9	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GF 140	6.7	70.2	75.1	78.6	81.7	82.8	84.3	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
GF 120	6.7	73.4	78.4	82.1	85.6	85.8	86.9	87.1	88.3	88.7	88.7	88.7	88.7	88.7	88.7
GF 100	6.7	75.6	80.6	84.5	87.9	88.0	89.1	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
GF 90	6.7	76.6	81.6	85.7	89.3	89.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GF 80	6.7	76.8	81.8	85.9	89.5	89.5	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GF 70	6.7	77.8	82.8	86.9	90.5	90.5	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GF 60	6.7	78.8	83.8	87.9	91.5	91.5	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GF 50	6.7	80.8	85.8	89.9	92.5	92.5	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GF 40	6.7	81.8	86.8	90.9	93.5	93.5	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
GF 30	6.7	82.8	87.8	91.9	94.5	94.5	95.6	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
GF 20	6.7	83.8	88.8	92.9	95.5	95.5	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
GF 10	6.7	84.8	89.8	93.9	96.5	96.5	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GF 0	6.7	85.8	90.8	94.9	97.5	97.5	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS: 900



FEDERAL BUREAU OF SURVEY  
 NATIONAL METEOROLOGICAL SERVICE

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 77615 STATION NAME: WASHINGTON AFB MI

PERIOD OF RECORD: 77-64  
 MONTH: NOV HOURS(EST): 0500-1100

CEILING	VISIBILITY IN STATUTE MILES															
	1/8	1/4	1/2	3/4	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2
1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL NUMBER OF OBSERVATIONS: 100

LOCAL CLIMATOLOGY BRANCH  
 USARITAC  
 AIR STATION SERVICE/HAZ

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WOOTSMITH AFB MI

PERIOD OF RECORD: 77-84  
 MONTH: NOV HOURS(EST): 1500-1900

CEILING FEET	VISIBILITY IN STATUTE MILES																	
	1/2	1	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2
NO CEIL	5.0	27.7	28.8	29.1	29.4	29.4	29.4	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
1000	3.1	30.3	31.4	31.8	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
1600	3.1	30.6	31.7	32.0	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4
1900	3.1	30.8	31.9	32.2	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
2000	3.4	32.9	34.1	34.3	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
2500	3.6	35.6	36.7	37.0	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
3000	3.8	36.3	37.4	37.8	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
3500	3.9	40.0	41.1	42.2	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
4000	3.8	41.7	43.4	43.9	44.2	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
4500	4.0	42.7	44.6	45.1	45.6	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
5000	4.2	44.6	46.6	47.3	47.9	47.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
5500	4.4	46.2	48.2	49.0	49.7	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
6000	5.3	52.6	55.1	55.9	56.9	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
6500	5.4	55.7	58.1	59.0	60.1	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
7000	5.6	62.1	64.6	65.6	66.7	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
7500	6.1	67.9	70.6	71.7	72.9	73.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
8000	6.4	72.0	75.0	76.3	77.7	78.0	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
8500	6.4	72.3	75.4	76.8	78.1	78.4	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
9000	6.9	74.6	77.9	79.4	81.1	81.4	82.2	82.3	82.4	82.6	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0
9500	6.9	75.0	79.6	81.2	83.3	83.7	84.7	84.8	84.9	85.0	85.7	86.0	86.0	86.0	86.0	86.0	86.0	86.0
10000	6.9	76.3	81.6	82.8	84.9	85.1	86.1	86.2	86.3	86.6	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
10500	6.9	76.8	81.7	83.8	86.1	86.4	87.9	88.0	88.1	88.3	89.0	89.3	89.3	89.3	89.3	89.3	89.3	89.3
11000	6.9	77.5	81.7	84.6	87.7	87.3	89.9	89.3	89.4	89.4	90.4	90.8	91.2	91.2	91.2	91.2	91.2	91.2
11500	6.9	76.9	81.6	84.8	87.3	87.7	89.6	90.3	90.6	91.0	91.7	92.1	92.4	92.4	92.4	92.4	92.4	92.4
12000	6.9	78.6	82.6	84.9	88.7	89.3	90.6	91.9	92.1	92.6	93.2	93.6	94.7	94.0	94.0	94.0	94.0	94.0
12500	7.0	77.2	82.3	85.3	88.4	88.8	91.1	93.7	94.3	95.6	96.2	96.7	97.2	97.2	97.2	97.2	97.2	97.2
13000	6.9	77.2	82.4	85.4	88.5	89.1	92.0	95.0	95.7	96.9	97.8	98.2	98.8	98.8	98.8	98.8	98.8	98.8
13500	6.9	77.2	82.4	85.4	88.5	89.2	92.1	95.2	96.7	97.2	97.2	98.1	98.6	99.2	99.2	99.2	99.2	99.2
14000	6.9	77.2	82.4	85.4	88.5	89.2	92.1	95.6	96.3	97.7	98.6	99.0	99.7	99.7	99.7	99.7	99.7	99.7
14500	6.9	77.2	82.4	85.4	88.5	89.2	92.1	95.6	96.3	97.7	98.6	99.0	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS: 950

SIGNAL CLIMATOLOGY BRANCH  
 WASHINGTON

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VISIBILITY  
 FROM HOURLY OBSERVATION

Air Weather Service Form

STATION NUMBER: 72694 STATION NAME: WASHINGTON AIR MIL

PERIOD OF RECORD: 77 MO  
 MONTHS: MAY MONTHS: FEB 17 17 17

CEILING

VISIBILITY IN STATUTE MILES

CEILING FEET	VISIBILITY IN STATUTE MILES															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
5000	7.4	28.6	37.1	34.6	30.7	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
4000	7.7	33.7	37.1	35.6	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
3000	7.7	33.7	37.1	35.6	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
2000	7.7	34.1	35.7	35.9	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
1000	7.7	34.8	36.1	36.7	35.7	35.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
500	7.8	36.0	37.3	37.9	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
1000	4.0	37.3	37.6	39.3	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
900	4.0	38.0	39.6	40.1	40.7	40.3	40.7	40.3	40.7	40.3	40.3	40.3	40.3	40.3	40.3	40.3
800	4.0	41.7	43.2	43.9	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
700	4.6	43.2	45.2	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
600	4.8	43.9	46.2	47.1	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
500	4.8	45.3	47.6	48.9	49.7	49.3	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4
400	5.2	47.0	49.6	50.6	51.7	51.4	51.4	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7
300	5.6	53.7	50.7	57.6	58.4	58.7	58.9	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1
200	5.9	56.2	59.0	60.2	61.3	61.3	61.9	61.9	62.1	62.0	62.1	62.1	62.1	62.1	62.1	62.1
100	6.1	62.1	65.2	66.6	67.4	67.7	68.1	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4
2000	6.8	67.6	71.3	73.1	74.0	74.3	74.9	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1
2000	7.0	71.2	75.9	77.3	78.0	78.6	79.0	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3
1000	7.0	71.9	76.1	78.2	79.7	79.6	80.0	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
1000	7.3	74.1	78.9	81.6	82.9	83.2	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
1200	7.4	75.1	79.9	82.9	84.3	84.7	85.4	85.8	85.9	86.2	86.6	86.7	86.7	86.7	86.7	86.7
1000	7.4	75.7	80.6	83.8	85.7	85.9	86.9	87.3	87.4	87.9	88.2	88.3	88.6	88.6	88.6	88.6
500	7.4	75.8	80.7	84.0	85.7	86.3	87.4	88.0	88.1	88.9	89.2	89.3	89.6	89.6	89.6	89.6
500	7.6	76.2	81.1	84.7	87.1	87.9	89.7	90.0	90.7	91.1	91.4	91.6	91.8	91.8	91.9	91.9
700	7.4	76.3	81.2	84.9	87.3	88.1	89.7	90.3	90.6	91.4	91.8	91.8	91.9	92.1	92.1	92.1
600	7.4	76.3	81.2	85.2	87.7	88.6	90.7	91.9	92.4	93.3	93.7	93.9	94.7	94.7	94.7	94.7
500	7.4	76.3	81.2	85.3	89.1	89.2	91.4	92.9	94.2	95.8	96.2	96.3	96.6	96.6	96.6	96.6
400	7.4	76.3	81.2	85.3	89.7	89.6	92.0	93.9	95.8	97.6	98.0	98.1	98.3	98.3	98.3	98.3
300	7.4	76.3	81.2	85.3	88.3	89.6	92.0	93.9	96.0	98.0	98.7	98.8	99.0	99.0	99.0	99.0
200	7.4	76.3	81.2	85.3	88.0	89.6	92.0	93.9	96.0	98.0	98.7	98.8	99.1	99.3	99.3	99.3
100	7.4	76.3	81.2	85.3	89.7	89.6	92.0	93.9	96.0	98.0	98.7	98.8	99.1	99.6	100.0	100.0
0	7.4	76.3	81.2	85.3	88.0	89.6	92.0	93.9	96.0	98.0	98.7	98.8	99.1	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

CLIMATE BUREAU BRANCH

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY

AT CANTON SERVICE 27MC

FROM HOURLY OBSERVATIONS

STATION NUMBER: 27675 STATION NAME: WORTHINGTON AFB MI

PERIOD OF RECORD: 77-86

MONTH: NOV HOURS (LST): 1800-2000

CEILING	VISIBILITY IN STATUTE MILES																		
	10	5	3	2	1 1/2	1	3/4	1/2	1/4	1/8	1/8	1/8	1/8	1/8	1/8	1/8	1/8	0	
1000	3.2	39.0	10.4	12.0	31.7	33.8	31.6	32.0	32.2	32.2	32.3	32.4	32.4	32.3	32.3	32.4	32.6	32.6	
900	4.2	38.1	35.1	30.2	35.2	37.0	37.1	37.6	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.7	37.8	37.8
800	4.2	38.1	35.1	30.2	35.2	37.0	37.1	37.6	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.7	37.8	37.8
700	4.2	38.1	35.1	30.2	35.2	37.0	37.1	37.6	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.7	37.8	37.8
600	4.2	38.1	35.1	30.2	35.2	37.0	37.1	37.6	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.7	37.8	37.8
500	4.2	38.1	35.1	30.2	35.2	37.0	37.1	37.6	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.7	37.8	37.8
400	4.2	38.1	35.1	30.2	35.2	37.0	37.1	37.6	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.7	37.8	37.8
300	4.2	38.1	35.1	30.2	35.2	37.0	37.1	37.6	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.7	37.8	37.8
200	4.2	38.1	35.1	30.2	35.2	37.0	37.1	37.6	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.7	37.8	37.8
100	4.2	38.1	35.1	30.2	35.2	37.0	37.1	37.6	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.7	37.8	37.8
0	4.2	38.1	35.1	30.2	35.2	37.0	37.1	37.6	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.7	37.8	37.8

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: 726395 STATION NAME: Wurtsmith AFB MI

PERIOD OF RECORD: 77-86  
MONTH: NOV HOUR(S) (LIST): 2100-2300

CEILING IN FEET	VISIBILITY IN STATUTE MILES																
	GE 10	GE 6	GE 5	GE 4	GE 3 1/2	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	3.3	31.0	32.3	33.2	33.9	33.9	34.0	34.3	34.3	34.4	34.4	34.4	34.4	34.7	34.7	35.0	35.4
GE 20000	3.4	34.0	35.7	36.8	37.4	37.4	37.6	37.9	37.9	38.0	38.0	38.0	38.0	38.2	38.2	38.6	39.0
GE 18000	3.4	34.0	35.7	36.8	37.4	37.4	37.6	37.9	37.9	38.0	38.0	38.0	38.0	38.2	38.2	38.6	39.0
GE 16000	3.4	34.3	36.0	37.1	37.4	37.8	37.9	38.2	38.2	38.3	38.3	38.3	38.3	38.6	38.6	38.9	39.3
GE 14000	3.4	34.8	36.4	37.6	38.2	38.2	38.3	38.7	38.7	38.8	38.8	38.8	38.8	39.0	39.0	39.3	39.8
GE 12000	3.7	36.2	37.9	39.0	39.7	39.7	39.8	40.1	40.1	40.2	40.2	40.2	40.2	40.4	40.4	40.8	41.2
GE 10000	3.9	38.0	39.8	40.9	41.6	41.6	41.7	42.0	42.0	42.1	42.1	42.1	42.1	42.3	42.3	42.7	43.1
GE 9000	3.9	38.4	40.2	41.3	42.0	42.0	42.1	42.4	42.4	42.6	42.6	42.6	42.6	42.8	42.8	43.1	43.6
GE 8000	4.6	43.2	43.0	44.1	44.8	44.8	44.9	45.2	45.2	45.3	45.3	45.3	45.3	45.6	45.6	45.9	46.3
GE 7000	4.6	43.0	44.8	45.9	46.6	46.6	46.7	47.0	47.0	47.1	47.1	47.1	47.1	47.3	47.3	47.7	48.1
GE 6000	4.8	44.0	45.8	46.9	47.6	47.6	47.7	48.0	48.0	48.1	48.1	48.1	48.1	48.3	48.3	48.7	49.1
GE 5000	4.8	45.9	47.7	49.0	49.7	49.7	49.8	50.1	50.1	50.2	50.2	50.2	50.2	50.4	50.4	50.8	51.2
GE 4500	5.2	47.8	50.0	51.3	52.3	52.3	52.6	53.0	53.0	53.1	53.1	53.1	53.1	53.3	53.3	53.7	54.1
GE 4000	5.2	55.0	57.3	59.0	60.1	60.1	60.3	60.8	60.8	60.9	60.9	60.9	60.9	61.1	61.1	61.4	61.9
GE 3500	5.8	59.1	61.4	63.1	64.2	64.2	64.6	65.0	65.0	65.1	65.1	65.1	65.1	65.3	65.3	65.7	66.1
GE 3000	5.9	63.7	66.4	68.4	69.8	69.8	70.3	70.8	71.0	71.1	71.1	71.1	71.1	71.3	71.3	71.7	72.1
GE 2500	6.2	67.9	70.9	73.0	74.3	74.3	75.0	75.4	75.7	75.8	75.9	75.8	76.0	76.0	76.3	76.8	77.2
GE 2000	6.3	71.9	75.2	77.4	79.3	79.3	80.0	80.4	80.7	80.8	80.8	80.8	80.8	81.0	81.0	81.3	81.8
GE 1800	6.6	73.1	76.4	78.9	80.9	80.9	81.6	82.2	82.4	82.6	82.6	82.6	82.6	82.9	82.8	83.1	83.6
GE 1500	6.8	74.3	78.7	81.6	83.9	84.0	85.0	85.8	86.1	86.2	86.3	86.3	86.3	86.6	86.6	86.9	87.3
GE 1200	6.9	75.2	79.2	82.6	84.9	85.1	86.1	86.9	87.2	87.6	87.7	87.7	87.7	88.0	88.0	88.3	88.8
GE 1000	6.9	75.8	79.3	83.1	85.3	85.3	86.0	87.0	87.8	88.1	88.4	88.6	88.6	88.9	88.9	89.2	89.7
GE 900	6.9	75.8	79.9	83.2	85.9	85.9	86.1	87.2	88.0	88.3	88.7	88.8	88.8	89.1	89.1	89.4	89.9
GE 800	6.9	75.9	80.4	84.1	87.4	87.4	87.7	89.0	89.9	90.2	90.6	90.7	90.7	91.0	91.0	91.4	91.9
GE 700	6.9	76.4	81.1	84.9	88.4	88.4	88.7	90.0	90.9	91.4	91.8	91.9	91.9	92.4	92.4	92.9	93.3
GE 600	6.9	76.4	81.3	85.1	88.7	88.7	88.9	90.3	91.2	91.9	92.3	92.4	92.4	93.1	93.1	93.8	94.2
GE 500	6.9	76.4	81.6	85.3	88.7	88.7	89.6	91.0	92.1	92.8	93.2	93.6	93.6	94.4	94.4	94.9	95.3
GE 400	6.9	76.4	81.7	85.7	89.7	89.7	89.9	91.3	92.6	93.6	94.1	94.6	94.6	95.4	95.4	95.9	96.3
GE 300	6.9	76.4	81.7	85.7	89.3	89.3	90.2	92.0	93.6	95.6	96.2	96.9	96.9	97.8	97.8	98.2	98.7
GE 200	6.9	76.4	81.7	85.7	89.3	89.3	90.2	92.0	93.6	95.6	96.3	97.2	97.2	98.4	98.4	99.2	99.8
GE 100	6.9	76.4	81.7	85.7	89.3	89.3	90.2	92.0	93.6	95.6	96.3	97.2	97.3	98.6	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS: 900

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 726395 STATION NAME: WOODSHEATH AFB MI

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

CEILING FEET	VISIBILITY IN STATUTE MILES																			
	1	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	12	14	16	18
	1	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4	5	6	7	8	9	10	12	14	16	18
NO CEIL	3.5	29.2	30.4	31.3	31.9	32.1	32.3	32.6	32.6	32.6	32.8	32.8	33.0	33.0	33.1	33.3				
GF 2000	3.7	32.0	33.4	34.4	35.1	35.2	35.4	35.8	35.8	35.9	36.0	36.0	36.2	36.2	36.3	36.5				
GF 1800	3.7	32.2	33.6	34.6	35.3	35.4	35.6	36.0	36.0	36.1	36.2	36.2	36.3	36.4	36.5	36.7				
GF 1600	3.7	32.5	33.6	34.9	35.5	35.7	35.9	36.3	36.3	36.4	36.5	36.5	36.6	36.7	36.8	37.0				
GF 1400	3.9	33.5	34.9	36.0	36.6	36.8	37.0	37.3	37.3	37.5	37.6	37.6	37.7	37.8	37.9	38.1				
GF 1200	4.0	35.7	37.2	38.3	39.0	39.1	39.3	39.7	39.7	39.8	39.9	39.9	40.1	40.1	40.2	40.4				
GF 1000	4.0	36.2	37.9	38.9	39.6	39.8	40.0	40.3	40.3	40.5	40.6	40.6	40.7	40.8	40.8	41.1				
GF 800	4.4	39.1	41.0	42.2	42.9	43.1	43.3	43.7	43.7	43.9	43.9	44.0	44.1	44.1	44.2	44.5				
GF 700	4.4	40.7	42.7	43.9	44.6	44.8	45.1	45.4	45.4	45.6	45.7	45.7	45.8	45.9	46.0	46.2				
GF 600	4.5	41.3	43.5	44.8	45.5	45.8	46.0	46.3	46.3	46.5	46.6	46.6	46.8	46.8	46.9	47.2				
GF 500	4.6	43.4	45.4	47.2	48.0	48.2	48.5	48.8	48.8	49.1	49.1	49.2	49.3	49.3	49.4	49.7				
GF 400	4.8	45.3	47.6	49.2	50.2	50.4	50.7	51.2	51.2	51.4	51.5	51.5	51.7	51.7	51.8	52.0				
GF 300	5.7	52.3	55.2	56.9	58.1	58.4	58.8	59.3	59.3	59.5	59.6	59.6	59.8	59.8	59.9	60.2				
GF 200	5.8	55.8	59.0	60.6	61.9	62.2	62.7	63.2	63.2	63.4	63.5	63.5	63.7	63.8	63.8	64.1				
GF 100	6.1	60.8	64.2	66.2	67.6	68.0	68.5	69.1	69.1	69.4	69.5	69.5	69.7	69.7	69.8	70.1				
GF 2000	6.6	65.8	69.5	71.7	73.3	73.7	74.3	74.9	74.9	75.2	75.3	75.4	75.6	75.6	75.7	76.0				
GF 1800	6.6	69.5	73.6	76.0	77.4	78.2	78.8	79.5	79.6	79.9	80.0	80.1	80.3	80.3	80.4	80.7				
GF 1600	6.9	70.3	74.5	76.9	78.3	79.3	79.9	80.6	80.7	81.1	81.2	81.3	81.5	81.5	81.6	81.8				
GF 1400	7.1	72.7	77.3	80.1	82.1	82.6	83.5	84.3	84.4	84.8	85.0	85.0	85.2	85.3	85.3	85.6				
GF 1200	7.3	73.7	78.5	81.5	83.9	84.3	85.3	86.3	86.4	86.9	87.2	87.3	87.5	87.5	87.6	87.9				
GF 1000	7.3	74.2	79.2	82.3	84.9	85.4	86.5	87.5	87.7	88.2	88.5	88.6	88.8	88.9	89.0	89.2				
GF 800	7.3	74.3	79.5	82.6	85.3	85.9	87.2	88.3	88.5	89.1	89.4	89.5	89.8	89.8	89.9	90.2				
GF 700	7.3	74.4	79.8	83.4	86.2	86.9	88.4	89.6	89.9	90.5	90.8	91.0	91.3	91.3	91.5	91.7				
GF 600	7.3	74.7	80.2	83.8	86.8	87.5	89.1	90.6	90.9	91.6	92.0	92.2	92.5	92.6	92.8	93.0				
GF 500	7.3	74.8	80.4	84.0	87.1	87.8	89.9	91.6	92.0	92.6	93.2	93.4	93.8	93.8	94.0	94.3				
GF 400	7.3	74.9	80.5	84.2	87.5	88.5	90.5	92.5	93.1	94.2	94.7	94.9	95.3	95.4	95.7	96.0				
GF 300	7.3	74.9	80.6	84.3	87.9	89.0	91.1	93.5	94.3	95.5	96.1	96.3	96.8	96.9	97.2	97.5				
GF 200	7.3	75.0	80.7	84.4	88.1	89.2	91.4	94.2	95.2	96.5	97.3	97.5	98.2	98.3	98.6	99.0				
GF 100	7.3	75.0	80.7	84.4	88.1	89.2	91.5	94.3	95.4	96.8	97.7	97.9	98.7	98.8	99.1	99.6				
ALL	7.3	75.0	80.7	84.4	88.1	89.2	91.5	94.3	95.4	96.8	97.7	97.9	98.7	98.8	99.3	100.0				

TOTAL NUMBER OF OBSERVATIONS: 7200

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/2PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726355 STATION NAME: WORTSMITH AFB MI PERIOD OF RECORD: 77-86  
MONTH: DEC HOURS(IST): 0000-0200

CEILING FEET	VISIBILITY IN STATUTE MILES																	
	1	1/2	3/8	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2	1 3/4	2	2 1/4	2 1/2	3	3 1/4	3 1/2	4
NO CEIL	5.7	29.2	29.6	29.6	29.8	29.8	29.8	29.9	29.9	29.9	29.9	30.0	30.0	30.0	30.0	30.0	30.0	
GE 0000	5.8	31.2	31.5	31.5	31.7	31.7	31.8	31.9	31.9	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	
GE 1000	5.8	31.3	31.6	31.6	31.8	31.8	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	
GE 1600	5.8	31.3	31.6	31.6	31.8	31.8	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	
GE 1900	5.9	31.8	32.2	32.2	32.4	32.4	32.5	32.6	32.6	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	
GE 2200	5.9	32.0	32.4	32.4	32.6	32.6	32.7	32.8	32.8	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.9	
GE 10000	5.9	32.7	33.1	33.1	33.3	33.3	33.5	33.6	33.8	33.8	33.8	33.9	33.9	33.9	33.9	33.9	33.9	
GE 9000	5.9	33.0	33.4	33.4	33.7	33.7	33.9	34.1	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	
GE 8000	6.6	35.2	35.6	35.6	35.9	35.9	36.1	36.3	36.3	36.3	36.3	36.6	36.6	36.6	36.6	36.6	36.6	
GE 7000	6.9	36.1	36.7	36.8	37.1	37.1	37.3	37.5	37.5	37.5	37.5	37.7	37.7	37.7	37.7	37.7	37.7	
GE 6000	6.9	37.8	38.4	38.5	38.9	38.8	39.0	39.2	39.2	39.2	39.2	39.5	39.5	39.5	39.5	39.5	39.5	
GE 5000	7.2	40.3	41.0	41.1	41.4	41.4	41.7	41.9	41.9	41.9	41.9	42.2	42.2	42.2	42.2	42.2	42.2	
GE 4000	7.3	41.7	42.5	42.6	42.9	42.9	43.2	43.5	43.5	43.5	43.5	43.8	43.8	43.8	43.8	43.8	43.8	
GE 3000	7.8	48.0	48.5	49.1	49.7	49.9	50.2	50.5	50.5	50.5	50.5	50.8	50.8	50.8	50.8	50.8	50.8	
GE 2000	8.1	51.3	52.7	53.0	53.5	53.8	54.1	54.4	54.4	54.4	54.4	54.6	54.6	54.6	54.6	54.6	54.6	
GE 1000	8.4	56.8	58.5	58.8	60.1	60.3	60.8	61.1	61.1	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	
GE 700	8.4	60.6	63.0	63.0	65.5	65.5	65.9	66.2	66.2	66.2	66.2	66.5	66.5	66.5	66.5	66.5	66.5	
GE 600	8.7	66.5	69.0	69.0	72.2	72.2	72.6	73.3	74.1	74.1	74.1	74.3	74.3	74.3	74.3	74.3	74.3	
GE 500	8.9	67.4	70.0	70.4	73.5	73.5	73.7	74.5	75.3	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.5	
GE 400	9.0	70.4	73.5	75.1	78.2	79.1	80.3	81.5	81.9	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	
GE 300	9.0	71.3	74.5	76.0	79.1	80.1	81.5	82.9	83.4	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	
GE 200	9.2	72.6	76.3	78.3	81.7	83.1	84.8	86.7	87.5	87.5	87.5	87.7	87.7	87.7	87.8	88.1	88.1	
GE 100	9.2	72.9	76.7	78.6	82.7	83.4	85.2	87.0	87.8	87.8	88.0	88.2	88.2	88.2	88.3	88.5	88.5	
GE 000	9.2	73.3	77.1	79.1	82.9	84.1	86.0	88.0	88.8	88.8	89.1	89.5	89.5	89.5	89.6	89.8	89.8	
GE 7000	9.2	74.0	77.8	80.0	83.9	85.2	87.1	89.6	90.4	90.8	91.1	91.1	91.2	91.4	91.4	91.4	91.4	
GE 6000	9.2	74.0	77.8	80.1	84.2	85.6	87.8	90.3	91.2	91.5	91.8	91.8	91.8	91.9	92.2	92.4	92.4	
GE 5000	9.2	74.0	77.8	80.1	84.5	86.0	88.5	91.3	92.3	92.9	93.3	93.3	93.4	93.7	93.9	93.9	93.9	
GE 4000	9.2	74.0	77.8	80.1	84.7	86.2	89.0	92.3	93.5	94.4	94.8	94.8	94.9	95.2	95.4	95.4	95.4	
GE 3000	9.2	74.0	77.8	80.1	84.7	86.3	89.2	93.1	94.8	96.0	96.5	96.5	96.6	96.8	97.0	97.3	97.3	
GE 2000	9.2	74.0	77.8	80.1	84.7	86.3	89.5	93.3	95.1	96.6	97.2	97.4	97.8	98.1	98.4	98.7	98.7	
GE 1000	9.2	74.0	77.8	80.1	84.7	86.3	89.5	93.4	95.2	97.0	97.7	98.2	98.6	98.8	99.1	99.8	99.8	
GE 000	9.2	74.0	77.8	80.1	84.7	86.3	89.5	93.4	95.2	97.0	97.7	98.2	98.6	98.9	99.2	100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS: 936

GENERAL CLIMATOLOGY BRANCH  
USAF/FLC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WORTSMITH AFB MI

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

CEILING FEET	VISIBILITY IN STATUTE MILES															
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	7/16	1/4	0
NO CEIL	4.0	28.3	28.5	28.6	28.6	28.7	28.8	28.8	28.8	28.8	29.0	29.0	29.0	29.0	29.0	29.0
GE 2000	4.7	29.7	29.9	30.0	30.0	30.1	30.2	30.4	30.4	30.4	30.6	30.6	30.6	30.6	30.6	30.6
GE 1800	4.7	29.8	30.0	30.1	30.1	30.2	30.3	30.5	30.5	30.5	30.8	30.8	30.8	30.8	30.8	30.8
GE 1600	4.7	29.8	30.0	30.1	30.1	30.2	30.3	30.5	30.5	30.5	30.8	30.8	30.9	30.8	30.8	30.8
GE 1400	4.7	30.0	30.2	30.3	30.3	30.4	30.5	30.6	30.8	30.8	31.0	31.0	31.0	31.0	31.0	31.0
GE 1200	4.7	30.2	30.4	30.5	30.5	30.6	30.8	31.2	31.2	31.2	31.4	31.4	31.4	31.4	31.4	31.4
GE 1000	4.7	31.0	31.2	31.3	31.4	31.5	31.6	32.0	32.0	32.0	32.3	32.3	32.4	32.4	32.4	32.4
GE 900	4.9	31.7	31.9	32.0	32.2	32.3	32.4	32.8	32.8	32.8	33.0	33.0	33.1	33.1	33.1	33.1
GE 800	5.3	33.3	33.5	33.7	33.7	33.7	34.0	34.4	34.4	34.4	34.6	34.6	34.7	34.7	34.7	34.7
GE 700	5.6	34.4	34.6	34.9	35.1	35.2	35.3	35.7	35.7	35.7	35.9	35.9	36.0	36.0	36.0	36.0
GE 600	5.6	35.8	36.0	36.3	36.5	36.6	36.7	37.1	37.1	37.1	37.3	37.3	37.4	37.4	37.4	37.4
GE 500	5.8	38.6	39.1	39.5	39.6	39.7	39.8	40.2	40.2	40.2	40.4	40.4	40.5	40.5	40.5	40.5
GE 450	6.1	40.1	40.4	40.9	41.0	41.1	41.2	41.6	41.6	41.6	41.8	41.8	41.9	41.9	41.9	41.9
GE 400	7.1	47.0	47.4	47.8	48.0	48.6	48.8	49.2	49.2	49.2	49.5	49.5	49.6	49.6	49.6	49.6
GE 350	7.5	50.3	51.0	51.7	52.7	52.8	53.0	53.4	53.4	53.4	53.7	53.7	53.8	53.8	53.8	53.8
GE 300	8.0	56.9	57.6	58.4	59.5	59.6	59.8	60.3	60.3	60.3	60.5	60.5	60.6	60.6	60.6	60.6
GE 250	8.7	61.8	63.0	64.2	65.7	65.4	65.6	66.1	66.1	66.1	66.3	66.3	66.5	66.5	66.5	66.5
GE 200	8.3	67.2	68.6	70.2	71.7	71.9	72.2	72.9	72.9	72.9	73.1	73.1	73.2	73.2	73.2	73.2
GE 150	8.4	67.7	69.1	70.9	72.7	72.9	73.1	74.0	74.0	74.0	74.2	74.2	74.3	74.3	74.3	74.3
GE 100	8.4	76.1	77.7	78.3	78.9	77.3	77.8	78.8	79.0	79.1	79.4	79.4	79.6	79.6	79.7	79.7
GE 75	8.4	71.5	73.4	76.0	78.0	79.2	80.2	81.4	81.6	81.7	81.9	81.9	82.2	82.2	82.3	82.3
GE 50	8.4	73.3	75.2	76.2	81.2	81.8	83.1	84.6	85.2	85.3	85.5	85.5	85.8	85.8	85.9	85.9
GE 25	8.4	73.4	75.4	78.5	81.7	82.4	83.7	85.5	86.0	86.5	86.7	86.7	87.0	87.0	87.1	87.1
GE 15	8.4	74.1	76.1	79.5	83.1	83.9	85.6	88.0	88.6	89.0	89.4	89.4	89.7	89.7	89.8	89.8
GE 10	8.4	74.2	76.3	79.7	83.7	84.5	86.2	88.9	89.9	90.4	90.9	90.9	91.2	91.2	91.3	91.3
GE 5	8.4	74.2	76.3	79.7	83.7	84.6	86.5	89.1	90.1	90.6	91.2	91.2	91.5	91.5	91.6	91.6
GE 0	8.4	74.2	76.3	79.7	83.7	84.6	86.9	89.4	91.4	92.5	92.9	92.9	93.3	93.3	93.4	93.4
GE 0	8.4	74.2	76.3	80.0	84.3	85.2	88.2	92.0	93.0	94.4	94.8	94.8	95.4	95.4	95.5	95.5
GE 0	8.4	74.2	76.3	80.0	84.4	85.3	88.7	93.2	94.5	96.1	96.6	96.6	97.1	97.1	97.2	97.5
GE 0	8.4	74.2	76.3	80.0	84.4	85.3	88.7	93.2	94.5	96.2	96.9	96.9	97.7	98.1	98.2	98.7
GE 0	8.4	74.2	76.3	80.0	84.4	85.3	88.7	93.2	94.5	96.5	97.7	97.3	98.2	98.8	98.9	99.9
GE 0	8.4	74.2	76.3	80.0	84.4	85.3	88.7	93.2	94.5	96.5	97.2	97.3	98.2	98.8	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS: 930



GENERAL CLIMATOLOGY BRANCH  
 USAF/TIAC  
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: Wurtsmith AFB MI

PERIOD OF RECORD: 77-86  
 MONTH: DEC HOURS/STATION: 0600-2000

CEILING

VISIBILITY IN STATUTE MILES

FEET	1	GE	GF	GE	GE	GE	GE	GE	GF	GE	GE	GE	GF	GE	GF	GE	GF	GE
	1	10	6	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	
NO CEIL	4.6	23.9	24.2	24.3	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.6	24.6	24.6	25.3	
GE 20000	4.9	24.9	25.3	25.5	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.8	25.8	25.8	26.5	
GF 18000	4.9	24.9	25.3	25.5	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.8	25.8	25.8	26.5	
GF 16000	4.9	24.9	25.3	25.5	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.8	25.8	25.8	26.5	
GF 14000	4.9	24.9	25.3	25.5	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.8	25.8	25.8	26.6	
GF 12000	4.9	25.6	25.9	26.1	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.4	26.5	26.5	26.5	27.2	
GF 10000	5.1	26.6	26.9	27.1	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.5	27.5	27.5	28.2	
GF 9000	5.1	27.6	28.0	28.2	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.6	28.6	28.6	29.2	
GF 8000	5.5	29.0	29.4	29.7	30.0	30.0	30.0	30.0	30.1	30.1	30.1	30.1	30.1	30.2	30.2	30.2	30.9	
GF 7000	5.9	30.4	31.1	31.3	31.6	31.6	31.6	31.6	31.7	31.7	31.7	31.7	31.8	31.9	32.0	32.0	32.7	
GF 6000	5.9	31.6	32.3	32.5	32.8	32.8	32.8	32.8	32.9	32.9	32.9	32.9	33.0	33.1	33.2	33.2	33.9	
GF 5000	6.9	34.5	35.3	35.5	35.8	35.8	35.8	35.9	36.0	36.0	36.0	36.1	36.2	36.3	36.3	36.3	37.0	
GF 4500	6.1	35.8	36.7	36.9	37.4	37.4	37.4	37.5	37.6	37.6	37.6	37.7	37.8	38.0	38.0	38.0	38.6	
GF 4000	6.7	42.8	44.1	44.4	45.7	45.7	45.8	45.9	46.0	46.1	46.2	46.3	46.5	46.5	46.5	46.5	47.1	
GF 3500	7.1	45.6	47.3	47.7	49.2	49.2	49.4	49.5	49.6	49.7	49.8	49.9	50.0	50.0	50.0	50.0	50.6	
GF 3000	7.4	51.2	53.6	53.8	55.9	55.9	56.0	56.1	56.2	56.3	56.5	56.6	56.7	56.7	56.7	56.7	57.3	
GF 2500	7.4	56.3	59.2	60.2	62.7	62.8	63.0	63.1	63.2	63.3	63.4	63.5	63.7	63.7	63.7	63.7	64.3	
GF 2000	7.5	61.5	64.9	66.5	69.1	69.2	69.5	69.5	69.9	70.1	70.2	70.3	70.4	70.4	70.4	70.4	71.1	
GF 1800	7.6	62.7	66.1	67.7	70.9	70.9	71.2	71.5	71.6	71.6	71.9	72.0	72.0	72.2	72.2	72.2	72.8	
GF 1600	7.7	65.8	69.9	72.4	75.8	76.2	77.2	78.3	78.6	79.0	79.2	79.4	79.5	79.5	79.5	79.5	80.1	
GF 1400	7.7	67.1	71.2	73.8	77.4	78.1	79.4	80.4	80.9	81.4	81.6	81.7	81.8	81.8	81.8	81.8	82.5	
GF 1200	7.7	69.5	73.7	76.3	80.2	80.9	82.8	84.2	84.6	85.2	85.4	85.5	85.6	85.6	85.6	85.6	86.3	
GF 1000	7.7	69.8	74.1	76.8	80.9	81.4	83.3	84.9	85.5	86.1	86.3	86.5	86.6	86.6	86.6	86.6	87.3	
GF 900	7.7	70.0	74.4	77.5	81.7	82.4	84.3	86.2	86.8	87.4	87.6	87.7	87.8	87.8	87.8	87.8	88.6	
GF 800	7.7	70.2	74.8	78.0	82.2	82.5	84.8	87.2	88.1	88.7	89.0	89.1	89.2	89.2	89.2	89.2	90.1	
GF 700	7.7	70.3	74.9	78.1	82.5	83.1	85.5	88.1	89.1	89.6	90.1	90.2	90.3	90.3	90.3	90.3	91.2	
GF 600	7.7	73.3	74.9	78.2	82.9	83.5	86.0	89.6	90.8	91.8	92.2	92.4	92.5	92.5	92.5	92.5	93.3	
GF 500	7.7	70.3	74.9	78.2	83.7	83.8	86.5	90.3	91.6	93.1	93.5	93.6	93.9	93.9	93.9	93.9	94.6	
GF 400	7.7	70.3	75.3	78.5	83.4	84.2	87.1	91.8	93.2	94.7	95.4	95.6	95.6	95.6	95.6	95.6	96.1	
GF 300	7.7	70.3	75.3	78.5	83.4	84.3	87.3	92.0	93.7	95.3	95.9	96.1	96.5	96.5	96.5	96.5	97.4	
GF 200	7.7	70.3	75.3	78.5	83.4	84.3	87.3	92.0	93.7	95.3	95.9	96.1	96.5	96.5	96.5	96.5	97.4	

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: 726395 STATION NAME: WOODSWITH AFB HI

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

CEILING FEET	VISIBILITY IN STATUTE MILES															
	10	6	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
NO CEIL	4.2	19.8	19.8	19.8	20.0	20.1	20.1	20.3	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.6
GE 20000	4.2	22.7	22.7	22.7	22.9	23.0	23.0	23.2	23.3	23.3	23.3	23.4	23.4	23.4	23.4	23.7
GE 18000	4.4	23.0	23.0	23.0	23.2	23.3	23.3	23.5	23.7	23.7	23.7	23.8	23.8	23.8	23.8	24.0
GE 16000	4.4	23.0	23.0	23.0	23.2	23.3	23.3	23.5	23.7	23.7	23.7	23.8	23.8	23.8	23.8	24.0
GE 14000	4.6	23.7	23.7	23.7	23.9	24.0	24.0	24.2	24.3	24.3	24.3	24.4	24.4	24.4	24.4	24.6
GE 12000	4.7	24.5	24.5	24.5	24.7	24.8	24.8	25.1	25.2	25.2	25.2	25.3	25.3	25.3	25.3	25.5
GE 10000	4.7	26.5	26.6	26.6	26.8	26.9	26.9	27.2	27.3	27.3	27.3	27.6	27.6	27.6	27.6	27.6
GE 9000	4.7	26.8	26.9	26.9	27.2	27.3	27.3	27.6	27.7	27.7	27.7	28.1	28.1	28.1	28.1	28.3
GE 8000	4.9	28.1	28.4	28.4	28.7	28.8	28.8	29.1	29.2	29.2	29.2	29.6	29.6	29.6	29.6	29.8
GE 7000	4.5	29.7	30.2	30.3	30.6	30.8	30.8	31.1	31.2	31.2	31.2	31.5	31.5	31.5	31.5	31.7
GE 6000	5.6	30.5	31.1	31.2	31.8	31.9	31.9	32.3	32.4	32.4	32.4	32.7	32.7	32.7	32.7	32.9
GE 5000	5.7	34.0	34.5	34.8	35.6	35.7	35.8	36.1	36.2	36.2	36.2	36.6	36.6	36.6	36.6	36.8
GE 4500	6.0	36.5	37.0	37.6	38.5	38.6	38.7	39.0	39.1	39.1	39.1	39.5	39.5	39.5	39.5	39.7
GE 4000	6.7	43.4	43.7	44.0	45.2	45.3	45.6	46.1	46.2	46.2	46.2	46.6	46.6	46.6	46.6	46.8
GE 3500	7.1	45.3	46.1	47.1	48.5	48.6	48.9	49.7	49.8	49.9	49.9	50.2	50.2	50.2	50.2	50.4
GE 3000	7.2	49.5	51.1	52.5	54.6	54.7	55.2	56.5	56.7	57.1	57.2	57.5	57.5	57.5	57.5	57.7
GE 2500	7.4	54.3	56.5	58.1	63.4	61.1	61.8	63.1	63.3	63.8	63.9	64.2	64.2	64.2	64.2	64.4
GE 2000	7.5	58.6	61.4	63.2	66.9	67.4	68.4	70.0	70.3	70.8	70.9	71.2	71.2	71.2	71.2	71.4
GE 1800	7.5	59.7	62.0	63.9	67.6	68.3	69.4	71.0	71.3	71.8	71.9	72.3	72.3	72.3	72.3	72.5
GE 1600	8.0	61.1	64.3	66.5	70.5	71.3	73.0	75.2	75.7	76.3	76.5	77.1	77.1	77.1	77.1	77.3
GE 1400	8.0	63.1	66.0	68.9	73.7	74.2	76.2	78.5	79.0	80.0	80.4	81.1	81.2	81.2	81.2	81.4
GE 1200	8.0	63.9	67.6	70.2	74.9	75.9	78.9	81.4	82.0	83.2	83.7	84.3	84.3	84.3	84.3	84.7
GE 1000	8.0	64.4	68.2	70.9	75.7	76.7	79.8	82.5	83.3	84.5	84.9	85.7	86.0	86.0	86.0	86.2
GE 900	8.0	64.5	68.3	71.0	75.8	77.1	80.4	83.3	84.3	85.6	86.2	87.0	87.3	87.3	87.3	87.6
GE 800	8.0	64.6	68.5	71.3	76.1	77.4	80.8	83.8	84.8	86.2	86.9	87.6	88.0	88.0	88.0	88.3
GE 700	8.0	64.7	68.7	72.0	77.1	78.4	81.8	85.3	86.6	88.0	89.0	89.8	90.1	90.1	90.1	90.4
GE 600	8.0	64.9	68.9	72.4	77.4	78.7	82.5	87.0	88.7	90.6	91.8	92.6	93.0	93.0	93.0	93.3
GE 500	8.0	65.1	69.1	72.6	77.6	79.1	83.2	88.4	90.5	92.7	94.2	94.9	95.6	95.6	95.6	96.2
GE 400	8.0	65.1	69.1	72.6	77.6	79.4	83.4	89.0	91.3	93.5	95.3	96.0	97.2	97.3	97.4	98.2
GE 300	8.0	65.1	69.1	72.6	77.6	79.4	83.4	89.0	91.3	93.5	95.3	96.1	97.3	97.4	97.5	98.7
GE 200	8.0	65.1	69.1	72.6	77.6	79.5	83.5	89.1	91.4	93.7	95.4	96.2	97.5	97.6	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS: 230

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395

STATION NAME: WURISMITH AFR MI

PERIOD OF RECORD: 77-86

MONTH: DEC

HOURS(LST): 1200-1400

CEILING

VISIBILITY IN STATUTE MILES

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	3.2	20.5	20.0	21.1	21.1	21.1	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
GE 2000	3.5	23.9	24.1	24.6	24.9	25.1	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
GE 1800	3.5	23.9	24.1	24.8	25.1	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
GE 1600	3.5	23.9	24.1	24.8	25.1	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
GE 1400	4.1	24.8	25.1	25.9	26.1	26.3	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5
GE 1200	4.7	25.7	26.0	26.9	27.1	27.3	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.4
GE 1000	4.7	28.7	29.0	29.9	30.3	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
GE 900	5.3	29.7	30.0	30.9	31.3	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
GE 800	5.9	31.5	31.9	32.9	33.3	33.7	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
GE 700	6.0	32.4	32.8	33.8	34.2	34.5	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 600	6.0	32.8	33.4	34.5	35.2	35.5	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
GE 500	6.1	37.0	38.0	39.1	40.0	40.3	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
GE 450	6.1	38.4	39.6	40.9	41.8	42.2	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 400	6.8	43.1	44.4	45.8	46.8	47.1	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
GE 350	7.0	46.1	47.8	49.5	50.4	50.9	51.2	51.4	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 300	7.5	54.3	56.1	58.1	59.6	60.1	60.6	60.9	61.0	61.1	61.5	61.5	61.5	61.5	61.5	61.5
GE 250	7.5	58.1	60.3	62.9	64.6	65.2	65.7	66.0	66.1	66.2	66.7	66.7	66.7	66.7	66.7	66.7
GE 200	7.8	61.3	64.0	66.9	68.8	69.4	70.3	71.0	71.1	71.3	71.7	71.7	71.7	71.7	71.7	71.7
GE 180	7.8	63.0	65.7	68.6	70.6	71.1	72.0	72.9	73.0	73.2	73.7	73.7	73.8	73.8	73.8	73.8
GE 150	7.8	64.3	67.5	71.0	73.4	74.1	75.1	76.2	76.3	76.7	77.1	77.1	77.3	77.3	77.3	77.3
GE 120	8.0	65.8	69.6	73.2	76.7	77.0	78.7	79.6	79.7	80.4	81.0	81.0	81.3	81.3	81.4	81.4
GE 100	8.0	66.6	70.9	74.3	77.6	78.0	80.0	81.8	81.9	83.0	84.2	84.2	84.5	84.5	84.6	84.6
GE 90	8.0	66.9	71.1	74.9	78.6	79.6	81.1	83.0	83.3	84.5	85.9	85.9	86.2	86.2	86.3	86.3
GE 80	8.0	67.4	71.7	75.8	79.4	80.8	82.4	84.7	85.1	86.5	87.8	87.8	88.2	88.2	88.3	88.4
GE 70	8.0	67.4	71.8	75.8	79.9	81.1	83.1	85.5	85.8	87.2	89.6	89.6	89.0	89.0	89.1	89.2
GE 60	8.0	67.7	72.3	76.5	80.6	81.8	83.9	86.3	86.8	88.2	89.8	89.8	90.1	90.3	90.4	90.5
GE 50	8.0	67.7	72.5	77.1	81.5	82.7	85.4	88.3	88.7	90.2	91.8	91.8	92.5	92.6	92.7	92.9
GE 45	8.0	67.7	72.5	77.1	81.5	82.9	86.8	90.2	90.6	93.1	94.8	94.9	95.9	96.0	96.2	96.6
GE 40	8.0	67.7	72.6	77.2	81.7	83.2	87.3	91.2	91.6	94.4	96.7	96.8	98.1	98.3	98.7	99.1
GE 35	8.0	67.7	72.6	77.2	81.7	83.2	87.3	91.3	91.8	94.7	97.0	97.1	98.4	98.8	99.2	99.9
GE 30	8.0	67.7	72.6	77.2	81.7	83.2	87.3	91.3	91.8	94.7	97.0	97.1	98.4	98.8	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WRIGHTSBTH AFB MI

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

CEILING FEET	VISIBILITY IN STATUTE MILES																		
	1	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10
NO CEIL	3.4	26.6	27.0	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
GE 2000	4.4	29.9	30.4	30.5	30.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
GE 1800	4.5	30.1	30.6	30.6	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
GE 1600	4.5	30.1	30.6	30.8	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
GE 1400	5.2	30.6	31.3	31.5	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
GE 1200	5.5	31.7	32.4	32.7	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
GE 1000	5.7	33.5	34.3	34.7	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
GE 900	5.8	33.7	34.6	35.1	35.5	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 800	6.1	36.7	37.6	38.2	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	39.0	39.0	39.0	39.0	39.0
GE 700	6.1	37.6	38.6	39.1	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.0	40.0
GE 600	6.1	38.4	39.5	40.0	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.9	40.9	40.9	40.9	40.9
GE 500	6.3	41.2	42.4	42.9	43.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9
GE 450	6.5	42.0	43.3	44.0	44.7	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.1	45.1	45.1	45.1	45.1
GE 400	7.7	46.7	48.4	49.0	49.9	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.3	50.3	50.3	50.3	50.3	50.3
GE 300	7.2	49.5	51.3	52.0	53.1	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.7	53.7	53.7	53.7	53.7
GE 200	7.4	56.3	58.0	59.5	61.0	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.9	61.9	62.0	62.0	62.0	62.0
GE 150	7.5	60.4	63.0	64.4	66.0	66.6	66.7	67.0	67.0	67.2	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 100	8.2	65.7	69.2	70.8	72.5	73.1	73.3	74.0	74.0	74.3	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 50	8.4	66.7	70.3	71.9	73.5	74.4	74.6	75.3	75.3	75.6	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 0	8.4	69.5	73.9	76.2	78.6	79.8	80.0	80.9	81.2	81.5	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 0	8.4	70.4	75.5	78.1	80.5	82.2	82.6	83.4	83.8	84.2	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 0	8.4	70.6	75.9	78.5	81.1	82.9	83.4	84.3	84.6	85.4	86.3	86.3	86.3	86.3	86.5	86.7	86.7	86.7	86.7
GE 0	8.4	71.2	76.9	79.6	82.3	84.2	85.2	86.0	86.3	87.2	88.2	88.3	88.3	88.3	88.5	88.5	88.5	88.5	88.5
GE 0	8.4	71.5	77.4	80.2	83.3	85.4	86.6	87.8	88.3	89.1	90.1	90.1	90.1	90.3	90.8	90.8	90.8	90.8	90.8
GE 0	8.4	71.5	77.4	80.2	83.6	86.0	87.6	88.6	89.0	90.1	91.1	91.1	91.1	91.3	91.7	91.7	91.7	91.7	91.7
GE 0	8.4	71.5	77.5	80.3	84.3	86.2	87.8	89.1	89.6	90.9	91.8	92.0	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 0	8.4	71.5	77.5	80.3	84.3	86.6	88.2	89.7	90.6	91.6	92.9	93.1	93.5	93.5	93.5	93.5	93.5	93.5	93.5
GE 0	8.4	71.5	77.6	80.4	84.7	86.7	88.5	90.4	91.6	93.4	94.6	95.2	95.7	95.7	95.8	95.8	95.8	95.8	95.8
GE 0	8.4	71.5	77.7	80.5	84.4	87.0	88.9	91.4	92.4	94.6	96.7	97.0	97.5	97.6	97.6	97.6	97.6	97.6	97.6
GE 0	8.4	71.5	77.7	80.5	84.4	87.0	89.9	91.4	92.9	95.2	97.0	97.4	98.2	98.4	98.4	98.4	98.4	98.4	98.4
GE 0	8.4	71.5	77.7	80.5	84.4	87.0	88.9	91.4	92.9	95.2	97.1	97.5	98.3	98.5	98.5	98.5	98.5	98.5	98.5
GE 0	8.4	71.5	77.7	80.5	84.4	87.0	88.9	91.4	92.9	95.2	97.1	97.5	98.3	98.5	98.5	98.5	98.5	98.5	98.5

TOTAL NUMBER OF OBSERVATIONS: 730

GLOBAL CLIMATOLOGY BRANCH  
WAFB/TAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

AIR FATHER SERVICE/HAC

STATION NUMBER: 756395 STATION NAME: WORTSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: DEC HOURLY(S): 1800-2000

CEILING	VISIBILITY IN STATUTE MILES																	
	FEET	1	1/2	3/8	5/8	3/4	7/8	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	4.2	31.1	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
GE 2000	6.7	33.5	34.2	34.3	34.7	34.7	34.7	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
GE 1500	6.3	33.5	34.2	34.3	34.7	34.7	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
GE 1000	6.7	33.5	34.2	34.3	34.7	34.7	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
GE 700	6.0	34.4	35.1	35.2	35.7	35.7	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
GE 500	6.7	34.6	35.3	35.4	35.9	35.9	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7	35.7
GE 400	6.4	36.1	36.9	37.0	37.1	37.1	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
GE 300	6.5	36.6	37.5	37.6	37.7	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 200	6.7	38.3	39.1	39.2	39.9	39.9	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 150	7.0	39.6	40.5	40.6	40.6	40.6	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 100	7.0	40.1	40.9	41.1	41.2	41.3	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 75	7.0	42.5	43.2	43.9	44.3	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 50	7.0	43.8	44.6	45.3	45.9	45.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 25	7.5	48.6	50.4	51.4	51.7	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
GE 15	7.5	50.9	52.8	53.8	53.7	54.0	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 10	8.5	57.1	59.5	60.4	60.4	61.0	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 7.5	8.4	63.1	66.2	67.6	68.2	68.9	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 5	8.8	67.6	71.2	72.3	73.1	73.8	74.8	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 3	8.8	69.1	72.8	74.0	74.7	75.4	76.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 1.5	8.9	71.5	75.1	76.1	76.1	76.1	77.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
GE 1	8.9	72.6	76.5	78.9	81.7	82.4	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 750	8.9	73.1	78.1	80.7	83.7	84.5	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 500	8.9	73.1	78.1	81.4	84.4	85.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 300	8.9	73.1	78.1	81.4	84.4	85.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 200	8.9	73.1	78.1	81.4	84.4	85.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 150	8.9	73.1	78.1	81.4	84.4	85.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 100	8.9	73.1	78.1	81.4	84.4	85.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 75	8.9	73.1	78.1	81.4	84.4	85.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 50	8.9	73.1	78.1	81.4	84.4	85.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 25	8.9	73.1	78.1	81.4	84.4	85.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 15	8.9	73.1	78.1	81.4	84.4	85.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 10	8.9	73.1	78.1	81.4	84.4	85.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 7.5	8.9	73.1	78.1	81.4	84.4	85.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 5	8.9	73.1	78.1	81.4	84.4	85.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 3	8.9	73.1	78.1	81.4	84.4	85.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 1.5	8.9	73.1	78.1	81.4	84.4	85.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 1	8.9	73.1	78.1	81.4	84.4	85.4	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9

TOTAL NUMBER OF OBSERVATIONS: 100

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WU-TSMITH AFB MI

PERIOD OF RECORD: 77-84  
MONTH: DEC HOURS(LST): 2100-2300

CEILING FEET	VISIBILITY IN STATUTE MILES																		
	10	5	3	2	1 1/2	1	3/4	1/2	1/4	1/8	1/16	1/32	1/64	1/128	1/256	1/512	1/1024	1/2048	0
	10	5	3	2	1 1/2	1	3/4	1/2	1/4	1/8	1/16	1/32	1/64	1/128	1/256	1/512	1/1024	1/2048	0
NO CEIL	9.9	10.1	30.3	30.4	30.7	30.8	30.8	30.8	30.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
GE 2000	6.8	11.8	32.7	32.3	32.7	32.7	33.0	33.0	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
GE 1800	5.3	11.0	32.0	32.3	32.7	32.7	33.0	33.0	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
GE 1600	5.7	11.6	32.0	32.3	32.7	32.7	33.0	33.0	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
GE 1400	5.6	12.4	32.0	32.8	33.1	33.2	33.5	33.5	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
GE 1200	5.7	12.7	32.9	33.1	33.5	33.5	33.9	33.9	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
GE 1000	6.9	13.4	33.9	34.1	34.5	34.5	34.8	34.8	34.8	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9
GE 900	5.9	13.9	34.3	34.5	34.9	34.9	35.4	35.4	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
GE 800	6.7	15.5	35.9	36.1	36.6	36.6	37.0	37.0	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
GE 700	6.6	16.3	36.9	37.1	37.5	37.5	38.0	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 600	6.6	17.0	37.7	37.7	38.2	38.2	38.6	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
GE 500	6.6	18.5	39.1	39.4	39.9	40.0	40.4	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
GE 400	6.6	19.8	40.0	41.0	41.5	41.6	42.0	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
GE 300	6.9	48.2	49.9	50.0	51.0	51.1	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 200	7.3	51.1	52.6	53.5	54.5	54.6	55.1	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 100	7.6	56.2	58.5	59.0	61.1	61.3	61.7	61.7	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 0	7.7	59.0	61.2	63.8	65.1	65.3	65.7	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 2000	7.5	66.3	69.8	71.9	73.7	74.0	74.6	74.6	74.6	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 1800	7.5	66.4	71.0	73.8	75.5	75.8	76.6	76.6	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 1600	7.7	70.2	74.7	77.7	79.7	80.3	81.6	81.6	82.0	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
GE 1400	7.7	71.7	76.7	79.6	81.0	81.5	82.0	82.0	82.4	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 1200	7.7	72.4	77.1	80.2	82.1	82.7	83.4	83.4	83.8	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 1000	7.7	72.5	77.1	80.3	82.7	83.0	83.5	83.5	83.9	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 900	7.7	72.5	77.2	80.3	82.7	83.0	83.5	83.5	83.9	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 800	7.7	72.5	77.2	80.3	82.7	83.0	83.5	83.5	83.9	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 700	7.7	72.5	77.2	80.3	82.7	83.0	83.5	83.5	83.9	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 600	7.7	72.5	77.2	80.3	82.7	83.0	83.5	83.5	83.9	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 500	7.7	72.5	77.2	80.3	82.7	83.0	83.5	83.5	83.9	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 400	7.7	72.5	77.2	80.3	82.7	83.0	83.5	83.5	83.9	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 300	7.7	72.5	77.2	80.3	82.7	83.0	83.5	83.5	83.9	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 200	7.7	72.5	77.2	80.3	82.7	83.0	83.5	83.5	83.9	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 100	7.7	72.5	77.2	80.3	82.7	83.0	83.5	83.5	83.9	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 0	7.7	72.5	77.2	80.3	82.7	83.0	83.5	83.5	83.9	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7

TOTAL NUMBER OF OBSERVATIONS: 84

GLOBAL CLIMATOLOGY BRANCH  
USAF/ITAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 72639F STATION NAME: WOODSMITH AFB MI

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

CEILING FEET	VISIBILITY IN STATUTE MILES															
	10	6	5	4	3 1/2	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/16	1/4	0
NO CEIL	4.7	26.2	26.5	26.6	26.7	26.7	26.8	26.8	26.8	26.8	26.9	26.9	26.9	26.9	26.9	27.0
GE 20000	4.8	28.5	28.9	29.0	29.1	29.2	29.3	29.4	29.4	29.4	29.4	29.4	29.5	29.5	29.5	29.6
GE 18000	4.8	28.5	28.9	29.0	29.1	29.2	29.3	29.4	29.4	29.4	29.4	29.4	29.5	29.5	29.5	29.6
GE 16000	4.8	28.5	28.9	29.0	29.1	29.2	29.3	29.4	29.4	29.4	29.4	29.4	29.5	29.5	29.5	29.6
GE 14000	5.1	29.1	29.4	29.6	29.7	29.8	30.0	30.1	30.1	30.1	30.1	30.2	30.2	30.2	30.2	30.3
GE 12000	5.2	29.6	30.0	30.2	30.4	30.5	30.6	30.7	30.7	30.7	30.7	30.8	30.8	30.8	30.8	30.9
GE 10000	5.4	31.1	31.5	31.7	32.0	32.1	32.2	32.3	32.3	32.4	32.4	32.4	32.5	32.5	32.5	32.6
GE 9000	5.5	31.6	32.1	32.3	32.6	32.7	32.8	33.0	33.0	33.0	33.0	33.1	33.1	33.1	33.1	33.2
GE 8000	5.9	33.4	33.9	34.2	34.5	34.7	34.8	34.9	35.0	35.0	35.0	35.1	35.1	35.1	35.1	35.2
GE 7000	6.2	34.6	35.2	35.5	35.8	35.9	36.1	36.2	36.3	36.3	36.3	36.4	36.5	36.5	36.5	36.6
GE 6000	6.2	35.5	36.1	36.5	36.9	37.0	37.1	37.3	37.3	37.3	37.4	37.4	37.5	37.5	37.5	37.6
GE 5000	6.3	38.3	39.1	39.5	40.0	40.1	40.3	40.4	40.5	40.5	40.5	40.6	40.7	40.7	40.7	40.8
GE 4500	6.5	39.8	40.6	41.1	41.7	41.6	42.0	42.1	42.2	42.2	42.2	42.3	42.4	42.4	42.4	42.5
GE 4000	7.1	45.8	47.0	47.7	48.5	48.7	48.9	49.1	49.2	49.2	49.3	49.3	49.4	49.4	49.4	49.5
GE 3500	7.4	48.8	50.2	51.0	52.1	52.2	52.4	52.4	52.7	52.8	52.8	52.9	53.0	53.0	53.0	53.1
GE 3000	7.7	54.8	56.6	57.6	59.1	59.3	59.6	60.0	60.0	60.1	60.3	60.3	60.4	60.4	60.4	60.5
GE 2500	7.8	59.2	61.7	63.1	64.5	65.1	65.5	65.8	65.9	66.0	66.2	66.3	66.3	66.3	66.3	66.4
GE 2000	8.2	64.3	67.3	69.0	71.1	71.6	72.1	72.8	72.8	73.0	73.2	73.2	73.3	73.3	73.3	73.4
GE 1800	8.2	65.5	68.5	70.3	72.3	73.0	73.6	74.3	74.3	74.5	74.7	74.8	74.8	74.8	74.8	74.9
GE 1600	8.4	67.9	71.5	73.9	76.7	77.4	78.4	79.4	79.7	80.0	80.2	80.3	80.4	80.4	80.4	80.5
GE 1400	8.4	69.2	73.0	75.6	78.7	79.4	80.7	81.8	82.2	82.6	82.8	83.0	83.1	83.1	83.1	83.2
GE 1200	8.4	70.7	74.3	77.0	80.3	81.3	83.0	84.4	84.9	85.4	85.8	86.0	86.1	86.2	86.2	86.3
GE 1000	8.4	70.6	74.0	77.0	81.0	82.0	83.8	85.3	85.9	86.5	87.0	87.1	87.3	87.4	87.4	87.5
GE 900	8.4	70.5	73.1	76.1	81.7	82.9	84.9	86.7	87.3	88.2	88.8	89.6	89.7	89.8	89.8	89.8
GE 800	8.4	71.0	73.4	76.4	82.1	83.5	85.6	87.6	88.3	89.2	89.8	90.0	90.3	90.3	90.4	90.6
GE 700	8.4	71.1	73.0	76.6	82.6	83.9	86.2	88.4	89.3	90.2	90.9	91.1	91.4	91.5	91.6	91.8
GE 600	8.4	71.1	75.0	78.0	84.0	85.3	87.8	89.6	90.6	91.5	92.6	92.8	93.2	93.3	93.4	93.6
GE 500	8.4	71.1	75.7	78.0	84.0	85.0	87.5	89.5	90.8	91.5	92.6	92.8	93.2	93.3	93.5	93.8
GE 400	8.4	71.1	75.5	78.0	84.0	85.0	87.5	89.5	90.8	91.5	92.6	92.8	93.2	93.3	93.5	93.8
GE 300	8.4	71.1	75.5	78.0	84.0	85.0	87.5	89.5	90.8	91.5	92.6	92.8	93.2	93.3	93.5	93.8
GE 200	8.4	71.1	75.5	78.0	84.0	85.0	87.5	89.5	90.8	91.5	92.6	92.8	93.2	93.3	93.5	93.8
GE 100	8.4	71.1	75.5	78.0	84.0	85.0	87.5	89.5	90.8	91.5	92.6	92.8	93.2	93.3	93.5	93.8

TOTAL NUMBER OF OBSERVATIONS: 7443

GLOBAL CLIMATOLOGY BRANCH  
USAF/ATC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: Wurtsmith AFB MI

PERIOD OF RECORD: 77-87  
MONTH: ALL HOURS(1ST): ALL

CEILING FEET	VISIBILITY IN STATUTE MILES																
	10	6	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	5/8	1/2	5/10	1/4	0	
NO CEIL	7.6	41.7	43.0	43.7	44.4	44.6	44.7	44.9	44.9	45.0	45.0	45.0	45.1	45.1	45.1	45.2	
GE 2000	8.3	45.7	47.2	48.0	48.5	49.0	49.2	49.4	49.5	49.6	49.7	49.7	49.8	49.8	49.8	49.9	
GE 1800	8.3	45.8	47.3	48.2	49.1	49.2	49.4	49.5	49.6	49.6	49.7	49.7	49.8	49.8	49.8	49.9	
GE 1600	8.3	45.9	47.4	48.3	49.1	49.2	49.5	49.6	49.7	49.7	49.8	49.8	49.9	49.9	49.9	50.0	
GE 1400	8.4	46.4	47.9	48.8	49.6	49.7	49.9	50.1	50.2	50.2	50.3	50.3	50.4	50.4	50.4	50.5	
GE 1200	8.5	47.4	48.9	49.9	50.7	50.9	51.1	51.2	51.3	51.4	51.4	51.4	51.5	51.5	51.6	51.7	
GE 1000	8.9	49.9	51.8	52.6	53.5	53.7	53.9	54.1	54.1	54.2	54.3	54.3	54.4	54.4	54.4	54.5	
GE 900	8.9	50.4	52.2	53.2	54.1	54.3	54.5	54.7	54.8	54.8	54.8	54.9	54.9	55.0	55.1	55.2	
GE 800	9.4	53.2	55.2	56.4	57.4	57.6	57.9	58.1	58.2	58.2	58.3	58.3	58.4	58.4	58.5	58.5	
GE 700	9.5	54.7	56.8	58.1	59.1	59.4	59.7	59.9	60.0	60.0	60.1	60.1	60.2	60.2	60.3	60.4	
GE 600	9.6	55.7	57.5	59.2	60.3	60.5	60.8	61.1	61.1	61.2	61.3	61.3	61.4	61.4	61.4	61.5	
GE 500	9.8	57.5	59.9	61.3	62.5	62.7	63.0	63.3	63.4	63.4	63.5	63.5	63.6	63.6	63.7	63.8	
GE 450	9.9	58.7	61.2	62.7	64.0	64.2	64.6	64.9	64.9	65.0	65.1	65.1	65.2	65.2	65.3	65.4	
GE 400	10.4	63.0	65.9	67.5	69.1	69.4	69.8	70.2	70.3	70.4	70.5	70.5	70.6	70.6	70.6	70.7	
GE 350	10.6	65.1	68.1	69.9	71.5	71.9	72.4	72.7	72.8	73.0	73.0	73.1	73.2	73.2	73.3	73.3	
GE 300	11.0	68.9	72.1	74.1	76.0	76.4	77.0	77.4	77.5	77.7	77.8	77.8	77.9	77.9	78.0	78.1	
GE 250	11.2	71.5	75.1	77.3	79.4	79.8	80.5	81.0	81.1	81.3	81.4	81.4	81.5	81.5	81.6	81.7	
GE 200	11.4	73.9	77.8	80.1	82.4	82.9	83.7	84.4	84.5	84.7	84.8	84.8	85.0	85.0	85.0	85.1	
GE 180	11.4	74.5	78.4	80.8	83.2	83.7	84.5	85.2	85.3	85.5	85.6	85.7	85.8	85.8	85.9	86.0	
GE 160	11.5	76.1	80.2	82.6	85.5	86.1	87.1	87.9	88.0	88.3	88.5	88.5	88.6	88.6	88.7	88.8	
GE 140	11.6	76.7	81.1	83.8	86.7	87.3	88.4	89.3	89.5	89.8	90.0	90.0	90.1	90.2	90.2	90.3	
GE 120	11.6	77.2	81.7	84.6	87.7	88.4	89.6	90.6	90.8	91.1	91.4	91.4	91.6	91.6	91.7	91.8	
GE 100	11.6	77.4	82.0	85.0	88.2	88.7	89.9	91.2	91.5	91.9	92.2	92.2	92.4	92.4	92.5	92.6	
GE 90	11.6	77.6	82.3	85.4	88.7	89.5	90.9	92.1	92.3	92.6	92.8	93.2	93.4	93.4	93.5	93.6	
GE 80	11.6	77.8	82.5	85.7	89.1	89.9	91.4	92.7	93.0	93.5	93.9	93.9	94.1	94.2	94.2	94.3	
GE 70	11.6	77.8	82.7	85.9	89.4	90.3	91.9	93.3	93.7	94.2	94.6	94.7	94.9	95.0	95.1	95.2	
GE 60	11.6	77.9	82.8	86.1	89.6	90.6	92.2	93.7	94.1	95.3	95.7	95.8	96.1	96.2	96.3	96.4	
GE 50	11.6	78.1	82.9	86.3	90.1	91.1	92.8	94.4	94.8	96.4	96.9	97.0	97.3	97.4	97.5	97.7	
GE 40	11.6	78.0	82.9	86.3	90.2	91.3	93.3	95.4	96.2	97.1	97.8	97.9	98.3	98.4	98.6	98.8	
GE 30	11.6	78.0	82.9	86.3	90.2	91.3	93.4	95.6	96.3	97.4	98.1	98.3	98.8	99.0	99.2	99.5	
GE 20	11.6	78.0	82.9	86.3	90.2	91.3	93.4	95.6	96.4	97.4	98.2	98.4	98.9	99.1	99.4	99.9	
GE 10	11.6	78.0	82.9	86.3	90.2	91.3	93.4	95.6	96.4	97.4	98.2	98.4	98.9	99.1	99.4	100.0	

TOTAL NUMBER OF OBSERVATIONS: 97642



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WORTSMITH AFB MI

PERIOD OF RECORD: 74-87  
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	14.5			13.6						20.0	52.3	7.4	927
03-05	13.4			14.3						18.9	53.4	7.5	928
06-08	9.5			18.7						20.5	51.3	7.5	930
09-11	1.2			25.5						24.8	48.5	7.6	930
12-14	.5			23.8						30.4	45.3	8.0	930
15-17	1.2			24.8						29.9	44.1	7.8	930
18-20	5.6			23.3						23.5	47.6	7.6	927
21-23	11.1			16.1						17.5	53.2	7.4	926
TOTALS	7.1			20.3						23.2	49.4	7.6	7428

STATION NUMBER: 726395 STATION NAME: WORTSMITH AFB MI

PERIOD OF RECORD: 74-87  
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	18.7			15.5						16.7	49.2	6.9	840
03-05	17.7			15.5						15.8	51.3	7.0	841
06-08	7.8			18.9						21.9	49.4	7.5	840
09-11	3.0			23.5						24.1	49.3	7.8	841
12-14	1.7			23.6						27.8	46.8	7.9	844
15-17	2.1			24.4						27.3	45.6	7.8	845
18-20	5.6			23.4						24.2	44.8	7.4	842
21-23	15.7			15.5						13.9	50.7	6.9	841
TOTALS	9.3			16.9						21.5	48.4	7.4	6737

GLOBAL CLIMATOLOGY BRANCH  
OF AFETAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

AIR WEATHER SERVICE/HMC

STATION NUMBER: 726395 STATION NAME: WORTHSMITH AFB MI

PERIOD OF RECORD: 77-87  
MONTH: MAR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURLS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	27.2			15.2						12.7	44.8	6.1	926
03-05	28.1			14.4						12.4	45.2	6.1	919
06-08	10.9			6.2						17.5	45.4	6.9	926
09-11	4.3			26.6						22.7	44.3	7.3	929
12-14	4.2			28.2						24.3	43.3	7.4	930
15-17	3.9			20.9						24.3	41.0	7.2	930
18-20	5.9			20.8						21.3	41.7	7.0	928
21-23	20.8			21.6						13.4	44.2	6.3	925
TOTALS	13.2			24.5						18.6	43.9	6.8	7413

STATION NUMBER: 726395 STATION NAME: WORTHSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: APR

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

HOURLS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
00-02	26.4			17.1						13.1	43.5	6.0	894
03-05	21.6			21.4						12.6	44.4	6.2	897
06-08	7.1			2.2						23.1	39.2	6.9	849
09-11	7.1			9.5						25.5	38.9	7.0	899
12-14	6.0			23.7						24.4	43.9	7.4	900
15-17	4.6			4.1						26.4	45.0	7.6	901
18-20	3.8			21.2						21.9	43.1	7.2	900
21-23	16.7			2.5						16.1	41.6	6.3	849
TOTALS	11.2			24.3						21.4	42.4	6.8	7197

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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	26.1			15.9						16.2	13.8	5.6	927
03-05	17.6			10.5						18.9	13.0	5.9	926
06-08	7.5			29.7						29.7	13.1	6.9	925
09-11	6.5			11.6						19.2	12.7	6.6	929
12-14	5.1			17.2						14.8	12.9	7.2	927
15-17	4.2			28.8						33.7	13.3	7.2	929
18-20	5.4			26.0						33.8	12.9	7.2	930
21-23	14.6			11.5						21.7	12.3	6.1	927
TOTALS	10.9			18.9						27.3	13.0	6.6	7420

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

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	27.6			12.5						15.1	24.9	4.8	869
03-05	16.1			17.0						22.5	24.4	5.6	869
06-08	6.0			15.4						10.2	24.4	5.3	875
09-11	5.5			19.4						11.8	25.3	6.6	898
12-14	2.8			11.9						42.0	25.3	7.3	900
15-17	1.1			16.0						17.5	24.7	6.9	858
18-20	2.9			16.4						13.2	21.6	6.4	900
21-23	16.5			16.7						23.4	22.5	5.5	899
TOTALS	5.6			16.2						24.1	24.1	6.2	7168

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI 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	26.7			29.8						21.2	22.3	5.0	923
03-05	17.3			39.7						19.9	23.2	5.3	920
06-08	6.3			40.4						30.4	22.9	6.2	918
09-11	4.0			42.3						31.0	22.7	6.3	925
12-14	.8			42.2						35.3	21.8	6.6	930
15-17	1.3			42.3						36.1	20.3	6.6	930
18-20	2.7			43.1						35.9	18.3	6.4	928
21-23	11.7			43.9						24.5	19.8	5.5	929
TOTALS	8.9			40.5						29.3	21.4	6.0	7403

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI 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	26.4			27.1						22.8	23.7	5.2	907
03-05	21.8			32.4						18.9	26.9	5.4	900
06-08	6.3			36.4						31.0	26.3	6.5	912
09-11	3.2			36.9						31.4	27.8	5.7	930
12-14	.5			36.3						35.1	28.1	7.1	920
15-17	1.3			36.8						33.9	25.0	6.7	920
18-20	4.1			39.2						31.4	24.6	6.5	927
21-23	16.6			31.3						20.5	24.6	5.4	910
TOTALS	10.1			34.5						28.1	25.4	6.2	7353

GLOBAL CLIMATOLOGY BRANCH  
 WSAFLTAC  
 AIR WEATHER SERVICE/44C

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: Wurtsmith AFB MI PERIOD OF RECORD: 77-96  
 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	27.2			22.3						14.1	36.5	5.6	894
03-05	26.2			22.3						14.9	36.6	5.7	867
06-08	4.9			14.4						25.4	35.4	6.9	887
09-11	6.1			11.3						23.3	39.3	7.0	891
12-14	3.1			13.6						28.1	35.2	7.1	900
15-17	2.4			12.7						30.3	34.6	7.2	899
18-20	4.1			16.6						26.0	33.3	6.8	897
21-23	21.6			25.2						18.6	34.6	5.9	869
TOTALS	12.0			9.8						22.6	35.7	6.5	7134

STATION NUMBER: 726395 STATION NAME: Wurtsmith AFB MI PERIOD OF RECORD: 77-96  
 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	21.5			20.1						15.8	42.5	6.3	910
03-05	19.9			10.8						17.5	41.8	6.4	919
06-08	4.3			7.7						24.9	39.6	7.0	912
09-11	3.0			15.7						29.7	40.8	7.5	925
12-14	3.2			14.7						35.1	37.0	7.6	929
15-17	3.9			14.4						32.5	39.2	7.6	929
18-20	6.7			19.2						25.2	39.0	7.0	929
21-23	18.7			12.4						18.8	40.2	6.4	926
TOTALS	10.4			9.3						24.9	40.0	7.0	7379

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: Wurtsmith AFB MI PERIOD OF RECORD: 77-86  
MONTH: NOV

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS		
	0	1	2	3	4	5	6	7	8	9			10	
00-02	13.5			16.0							15.3	55.1	7.4	867
03-05	12.9			17.8							15.8	53.5	7.3	984
06-08	6.5			22.9							17.7	52.9	7.6	887
09-11	2.5			20.4							27.0	50.2	8.1	893
12-14	3.1			20.7							28.0	48.2	8.0	893
15-17	2.9			23.2							26.7	47.2	7.8	898
18-20	6.8			22.0							17.9	53.3	7.6	897
21-23	11.5			15.8							15.5	57.2	7.6	888
TOTALS	7.5			19.9							20.5	52.2	7.7	7127

STATION NUMBER: 726395 STATION NAME: Wurtsmith AFB MI PERIOD OF RECORD: 77-86  
MONTH: DEC

HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN	TOTAL OBS		
	0	1	2	3	4	5	6	7	8	9			10	
00-02	10.0			16.7							15.9	57.4	7.7	929
03-05	9.7			12.7							15.7	61.9	8.0	929
06-08	6.7			14.1							15.8	63.4	8.2	923
09-11	1.2			15.9							26.9	56.0	8.5	929
12-14	.9			16.7							28.7	53.8	8.5	930
15-17	1.0			21.1							24.6	53.3	8.2	930
18-20	5.7			1.0							17.7	55.0	7.7	929
21-23	10.3			16.8							14.0	58.5	7.6	930
TOTALS	5.8			17.6							19.9	57.4	8.1	7429

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER  
FROM HOURLY OBSERVATIONS

STATION NUMBER: 726395 STATION NAME: Wurtsmith AFB MI

PERIOD OF RECORD: 77-87  
MONTH: ALL

PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER

	HOOPS (LST)	0	1	2	3	4	5	6	7	8	9	10	MEAN	TOTAL OBS
JAN	ALL	7.1			20.3						23.2	49.4	7.6	7428
FEB		9.3			26.9						21.5	46.4	7.4	6737
MAR		13.2			24.5						18.6	43.8	6.8	7417
APR		11.9			25.3						20.4	42.4	6.8	7192
MAY		10.9			26.9						27.3	33.0	6.6	7420
JUN		8.6			28.2						29.1	24.1	6.2	7168
JUL		8.7			30.5						29.3	21.4	6.0	7403
AUG		10.1			25.9						28.1	25.7	6.2	7353
SEP		12.0			29.8						22.6	25.7	6.5	7134
OCT		10.8			24.3						24.9	40.0	7.0	7379
NOV		7.5			19.9						20.5	52.2	7.7	7127
DEC		5.8			17.0						19.9	57.4	8.1	7429
TOTALS		9.7			27.1						23.8	39.5	6.9	87183

PPPPPPP	AAAAAA	RRRRRRR	TTTTTTTT	EEEEEEEE
PPPPPPP	AAAAAAAA	RRRRRRRR	TTTTTTTT	EEEEEEEE
PP PP	AA AA	RR RR	TT	EE
PP PP	AA AA	RR RR	TT	EE
PPPPPPP	AA AA	RRRRRRR	TTTTTTTT	EEEEEE
PPPPPPP	AAAAAAAAA	RRRRRRR	TTTTTTTT	EEEEEE
PP	AAAAAAAAA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EE
PP	AA AA	RR RR	TT	EEEEEEEE
PP	AA AA	RR RR	TT	EEEEEEEE



TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY MAXIMUM (MINIMUM AND MEAN) TEMPERATURES

DATA DERIVED FROM SUMMARY OF DAY DATA.

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

THE MINIMUM TABLE ALSO INCLUDES A 33 FAHRENHEIT DEGREE INCREMENT.

SINCE MANY STATIONS/SITES 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.

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MAXIMUM TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726395

STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 42-45, 51-57

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 100					.1	.1	.2						.0
GE 95					1.1	1.1	1.3	1.0	.2				.3
GE 90					4.4	5.4	7.5	5.0	1.6				1.8
GE 85				.4	4.4	15.4	23.4	16.1	4.2	.5			5.4
GE 80				2.0	10.1	27.5	45.7	36.9	13.2	.8			11.5
GE 75			.1	4.1	19.4	43.4	69.1	59.1	25.5	4.7			15.0
GE 70			.7	8.5	29.1	62.0	89.6	81.4	43.4	11.8	.4		27.5
GE 65			1.8	14.6	42.0	80.7	97.6	95.7	64.1	23.1	2.0		35.4
GE 60	.1	.1	3.6	21.9	57.2	92.8	99.9	99.3	83.1	35.8	5.4	.3	42.0
GE 55		.2	6.0	31.9	74.0	97.7	100.0	100.0	95.6	59.3	13.2	2.0	48.0
GE 50	.3	.5	10.6	48.2	87.2	99.6			99.3	77.4	26.4	3.7	54.7
GE 45	2.0	3.3	18.6	65.9	96.3	99.7			100.0	91.4	43.1	6.5	61.8
GE 40	5.5	10.6	33.0	84.6	99.7	100.0				97.6	63.4	14.7	67.5
GE 35	19.9	27.6	57.2	95.6	100.0					99.9	87.8	15.1	76.6
GE 30	41.6	51.2	80.5	99.1						100.0	95.7	82.6	85.9
GE 25	60.6	71.2	92.7	99.7							99.0	88.3	92.0
GE 20	77.1	86.0	98.3	100.0							99.6	92.0	96.1
GE 15	90.7	92.7	99.4								100.0	97.8	98.4
GE 10	97.3	97.5	100.0									99.8	99.8
GE 5	99.5	99.6										100.0	99.9
GE 0	99.9	100.0											100.0
GE -5	100.0												100.0
MEAN	26.6	29.0	37.2	50.7	62.9	73.3	78.6	76.7	68.5	57.3	43.5	31.7	53.0
SD	8.915	8.975	9.962	11.798	11.634	9.882	7.378	7.609	9.130	9.632	9.327	8.680	10.748
TOTAL OPS	1209	1100	1209	1135	1172	1140	1209	1209	1163	1195	1140	1176	14052

GENERAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE OF OCCURRENCE OF MINIMUM TEMPERATURES  
FROM SUMMARY OF DAY DATA

STATION NUMBER: 726395

STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 43-45, 51-67

TEMPERATURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GE 75F							1						1
GE 73F							1.6		1.0				2.6
GE 65F					3	5.1	16.2	13.7	4.3	1			3.3
GE 61F				1	2.5	17.1	41.5	38.5	14.3	2			22.7
GE 55F			1	4	8.0	17.0	60.1	61.7	28.9	4.9			17.7
GE 51F			2	2.2	18.3	63.5	80.3	83.2	89.9	18.1	1.4	1	37.3
GE 45F			7	6.6	36.5	62.1	97.9	95.5	68.5	27.4	4.7	1.7	32.6
GE 40F	2	2	2.2	18.0	58.6	94.7	99.8	79.6	85.2	90.4	11.5	1.2	37.4
GE 35F	1.1	1.7	6.0	18.4	81.4	99.1	100.0	99.9	95.9	89.1	24.7	1.2	35.2
GE 31F	2.5	3.6	14.0	46.6	88.4	99.6		100.0	98.5	77.6	16.2	1.2	35.2
GE 27F	6.2	9.0	24.6	64.4	94.5	100.0			79.6	85.2	52.9	13.2	37.7
GE 25F	15.6	20.1	44.7	85.5	99.5				100.0	87.6	75.7	5.1	32.6
GE 20F	28.9	31.7	61.2	75.5	100.0					92.1	74.3	11.4	25.9
GE 15F	42.4	47.0	75.0	78.8						100.0	92.2	15.7	15.7
GE 10F	57.7	62.4	80.6	92.6							92.2	17.1	15.7
GE 5F	71.8	76.5	93.3	100.0							99.6	17.9	19.1
GE 0F	85.5	87.1	97.3								100.0	17.1	19.1
GE -5F	92.4	94.4	99.3									100.0	19.1
GE -10F	97.6	97.7	100.0										19.1
GE -15F	99.7	99.3											19.1
GE -20F	99.8	99.9											19.1
GE -25F	100.0	100.0											19.1
MEAN	1	11.8	15.4	21.7	32.5	42.0	51.9	57.6	56.6	49.1	39.9	19.1	31.4
SD	1	11.639	11.583	10.472	7.977	6.265	7.092	6.493	6.981	8.275	4.568	6.777	11.238
TOTAL OBS	1	1209	1110	1207	1135	1172	1195	1239	1207	1163	1196	1190	18007



FEDERAL BUREAU OF SURVEY  
 WASHINGTON, D. C.  
 AIR WEATHER SERVICE/AMC

EXTREME VALUES OF MAXIMUM TEMPERATURE  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 726495 STATION NAME: WUPESMITH AFB MI

PERIOD OF RECORD: 41-95, 1957

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
41							87	92	84	81		87	
44	86	84	85	77	93	97	95	97	83	77	77	86	87
45	86	81	77	81	79	84	91	89	89	87			
46													
47	81	89	85	79	86	87	91	85	83	78			81
48	84	88	81	77	77	76	87	76	87	74	84		89
49	89	84	87	77	87	85	89	94	95	79	87		85
50	81	84	87	77	81	88	91	91	89	74	87		81
51	80	81	85	77	90	88	93	96	97	81	85		87
52	84	75	87	83	87	94	82	87	87	79	81		87
53	88	81	80	83	87	89	91	85	85	89	87		81
54	86	87	88	81	87	87	87	93	84	76	81		87
55	86	89	87	77	84	85	85	85	91	77	84		85
56	81	87	81	84	84	91	88	86	91	71	80		81
57	85	81	85	84	92	88	92	88	83	71	85		87
58	81	81	75	81	79	91	95	87	81	86	87		81
59	88	81	81	84	84	91	98	93	88	73	79		87
60	81	87	89	71	85	89	89	88	84	79	77		84
61	81	87	89	71	84	95	94	89	87	76	86		84
62	88	81	89	77	76	90	90	87	82	84	86		87
63	81	81	85	87	87	90	93	97	84	74	71		87
64	81	81	81	74	95	88	82	92	84	71	87		85
65	81	81	81	86	91	90	92	91	90	77	84		82
66	81	87	89	87	85	99	90	86	89	84	84		84
67	81	81	84	77	86	87	96	90	87	71	87		85
68	83	84	81	77	79	83	96	88	85	77	89		87
69	86	89	87	81	85	88	95	89	84	88	80		81
70	89	87	84	84	88	90	93	91	75	85	87		81
71	87	87	86	86	75	94	92	93	97	77	87		84

NOTES \* (BASED ON LESS THAN FULL MONTHS)  
 # (AT LEAST ONE DAY LESS THAN 24 DEGS)

CONTINUED ON NEXT PAGE....

U.S. AIR FORCE METEOROLOGICAL SERVICE  
 AIR WEATHER SERVICE/MAO

EXTREME VALUES OF MAXIMUM TEMPERATURE  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 726345 STATION NAME: WOLFEARTH AFB MI

PERIOD OF RECORD: 1949-1957

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
72	71	81	69	83	70	88	101	85	87	69	67	91	71
73	35	51	49	58	90	88	70	90	90	76	74	79	91
74	37	46	61	70	89	91	81	88	85	64	54	64	91
75	44	54	56	74	90	93	93	92	85	77	61	64	91
76	39	47	64	71	80	81	91	85	83	61	67	64	91
77	39	47	57	75	86	82	87	83	84	77	61	64	87
78	47	51	57	67	74	100	101	99	94	77	61	74	101
79	38	51	44	77	85	97	91	97	80	65	61	67	91
80	35	47	54	85	88	89	97	91	84	65	61	67	91
81	45	51	77	80	93	88	97	84	87	77	65	74	97
82	40	46	73										
MEAN	61.4	61.2	57.9	71.2	84.9	91.2	91.5	90.1	86.1	76.1	61.7	61.4	64.5
TOTAL	54010	54931	46055	64069	54810	44041	74913	42137	44822	54597	54346	74557	44044
TOTAL OBS	1209	1109	1209	1135	1172	1180	1209	1209	1163	1134	1180	1134	1209

NOTES: \* (BASED ON LESS THAN FULL MONTHS)  
 # (AT LEAST ONE DAY LESS THAN 24 HOURS)

JUNIOR CLIMATOLOGY BRANCH  
 USAF-TAC  
 AIR WEATHER SERVICE/ZMAC

EXTREME VALUES OF MINIMUM TEMPERATURE  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 726395 STATION NAME: MONTICM AIR MI

PERIOD OF RECORD: 17-NS, 10-67

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
83													
84	9	9	7	9	21	41	44	45	37	27	17	9	
85	-11	-5	11	27	27	34	41	44	43	29	15	14	11
86													
87	-22	9-12	1	24	29	37	45	40	30	25		-2	-22
88	-10		3	17	32	36	44	44	35	27	9	6	-10
89			1	27	30	42	47	44	35	30	15	6	-10
90	-7	-20	1	7	24	41	44	42	37	25	23	-2	-7
91	-7	-27	-1	26	27	42	44	45	34	27	9	-2	-7
92		-5	1	16	26	38	45	43	31	24	7	7	-5
93	-17	-1	4	18	28	36	35	44	30	24	16	7	-17
94	-7	-11	16	15	27	39	46	43	39	25	5	-2	-11
95	-17	-20	6	20	27	42	49	48	37	25		9	-17
96		-5	-9	19	31	40	46	45	35	27	21	-2	-9
97	-9	-1	4	20	27	35	47	43	29	19	15	-2	-9
98	-19	-11	-17	19	20	35	46	40	34	27	13	-15	-19
99	-16	-17	-1	16	25	40	42	44	30	24	14	-11	-17
00	-2	-7	7	11	31	35	44	45	30	19	5	-2	-2
01	-17	-4	-5	8	31	35	43	40	27	17	19	7	-17
02	-17	-12	5	21	27	31	40	45	27	18	13	-2	-17
03	-11	-17	-5	17	21	45	47	45	34	27	6	-4	-17
04	-17	-11	-5	27	27	39	39	39	40	22	19	-6	-17
05	-9	-5	-2	21	27	33	47	48	34	27	12	4	-9
06	-11	-15	4	14	26	37	50	49	37	20	21	1	-11
07	-8	-1	7	14	31	34	42	39	26	30	7	4	-8
08	-10	-9	-4	17	29	32	40	41	37	18	14	-2	-10
09	1	-1	15	14	26	44	47	45	33	25	21	-2	-1
10	-7	-17	-4	15	25	40	46	44	30	18	17	7	-13
11	-7	-5	-2	17	33	45	47	44	32	20	14	-2	-7
12	-15	-17	0	20	28	37	44	44	33	24	7	-4	-17

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

CONTINUED ON NEXT PAGE.....

NATIONAL CLIMATOLOGY BRANCH  
 WASHINGTON, D. C.  
 AIR WEATHER SERVICE/MAC

EXTREME VALUES OF MINIMUM TEMPERATURE  
 (FROM DAILY OBSERVATIONS)

STATION NUMBER: 726395 STATION NAME: WASHINGTON AFB, MD

PERIOD OF RECORD: 43-45, 48-57

YEAR	WHOLE DEGREES FAHRENHEIT												ALL MONTHS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
43	-7	-7	10	19	32	37	45	42	41	29	10	-5	-7
44	4	-7	-5	22	29	40	43	46	37	27	17	6	-7
45	-9	-23	4	15	28	37	49	42	36	28	15	7	-23
46	-1	-5	-6	21	31	36	47	52	35	27	18	-5	-6
47	-10	-11	13	21	27	38	43	41	34	27	15	10	-11
48	-12	-6	-7	15	24	34	47	37	34	26	14	7	-12
49	-1	-1	6	24	31	39	45	46	34	24	14	-1	-1
50	-14	-	-6	27	32	39	45	44	37	28	19	1	-14
51	-7	-13	6	14	32	41	47	47	35	26	16	-16	-16
52	-7	-	-4	24	29	39	36	39	33	26	11	"	-8
53	-7	-3	10										
MEAN	-9.1	-7.2	1.4	18.0	28.1	37.9	44.7	43.8	33.6	25.1	13.5	-1.0	-11.0
TOTAL	5,974	6,492	6,593	4,488	2,919	3,647	3,465	4,543	2,920	3,769	5,632	6,430	5,190
TOTAL OBS	1709	1100	1709	1135	1172	1140	1209	1709	1163	1188	1140	1178	1405

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



GLOBAL CLIMATOLOGY BRANCH  
WAFS/TAC  
FLE WEATHER SERVICE/MAC

DRY-BULB TEMPERATURES DEG F FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 726395 STATION NAME: WUPERSMITH AFB MI

PERIOD OF RECORD: 77-87

MONTH	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01-01	MEAN	18.6	20.5	28.2	76.1	42.7	55.0	62.9	61.4	52.5	44.5	35.6	25.7	41.4
	SD	10.781	10.961	9.995	8.736	9.002	8.331	7.231	7.182	8.718	8.571	8.778	10.378	17.161
	TOT OBS	930	846	930	900	930	900	930	930	900	930	930	930	10950
02-01	MEAN	18.0	19.5	26.9	76.9	47.0	53.9	60.9	59.5	54.0	43.5	34.7	25.3	41.1
	SD	11.021	11.373	10.552	8.573	8.918	8.399	7.639	7.391	8.843	8.761	8.774	10.226	17.388
	TOT OBS	930	846	930	900	930	900	930	930	900	930	930	930	10950
03-01	MEAN	17.4	14.7	26.6	78.0	50.3	57.8	64.3	61.4	54.5	43.5	34.1	25.2	41.1
	SD	11.333	11.734	10.995	8.689	8.868	7.873	6.926	7.153	8.622	8.694	8.611	10.264	17.491
	TOT OBS	930	846	930	900	930	900	930	930	900	930	930	930	10950
04-01	MEAN	19.5	22.0	31.7	44.9	58.2	66.3	73.5	70.4	61.4	49.6	37.4	26.9	46.5
	SD	10.258	10.571	9.913	10.584	10.601	8.578	6.610	6.313	7.886	7.338	8.413	9.411	21.505
	TOT OBS	930	846	930	900	930	900	930	930	900	930	930	930	10950
05-01	MEAN	23.6	25.5	35.1	47.9	61.1	69.2	76.8	74.1	66.1	53.4	41.0	29.6	52.5
	SD	8.573	9.771	9.816	11.462	11.666	9.609	7.303	7.094	8.922	7.875	8.882	8.448	21.505
	TOT OBS	930	846	930	900	929	950	930	930	900	930	930	930	10950
06-01	MEAN	24.6	27.3	35.5	47.6	60.7	69.1	76.7	73.4	65.4	52.9	40.6	29.7	50.5
	SD	8.221	9.534	9.615	11.443	11.544	9.658	7.673	7.329	9.178	7.817	8.746	8.562	21.505
	TOT OBS	930	846	930	900	930	900	930	930	900	930	930	930	10950
07-01	MEAN	21.3	24.6	32.9	44.2	56.8	65.4	72.9	69.1	61.4	48.7	37.5	27.5	47.1
	SD	9.069	9.468	9.180	10.156	10.104	8.603	7.166	6.567	8.394	7.464	8.333	9.510	19.566
	TOT OBS	930	846	908	900	930	900	930	930	900	930	930	930	10950
08-01	MEAN	19.6	22.3	30.1	40.1	51.4	60.3	68.4	64.1	57.1	45.9	36.6	26.3	43.3
	SD	10.134	10.400	9.477	8.840	8.488	8.041	6.620	6.694	8.578	8.273	8.625	10.044	18.176
	TOT OBS	930	846	927	900	930	900	930	930	900	930	930	930	10950
09-01	MEAN	20.1	22.7	30.7	42.2	54.3	62.0	69.3	66.8	59.6	47.8	37.1	27.1	45.1
	SD	10.243	10.344	10.471	10.728	11.247	10.405	9.328	8.896	9.802	8.944	8.970	9.791	19.563
	TOT OBS	7440	8768	7475	7200	7439	7250	7400	7440	7200	7440	7200	7440	87647

FEDERAL CLIMATOLOGY BRANCH  
 WASHINGTON, D.C.  
 AIR SERVICE/PHAC

WEI-BUL TEMPERATURES DEG F FROM  
 HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 726195 STATION NAME: WOLFSMITH AFF MI

PERIOD OF RECORD: 77-87

MOUSEL STAT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
MEAN	17.2	14.9	26.1	56.9	44.8	52.0	59.1	58.3	52.5	41.8	33.1	24.0	38.7
SD	10.435	10.939	9.745	8.420	6.683	7.779	6.971	7.166	8.490	8.217	8.692	10.197	10.905
TOT OBS	930	846	930	900	930	900	930	929	900	930	900	930	10955
MEAN	16.6	18.1	25.1	56.0	43.0	50.8	57.7	56.8	51.4	41.0	32.4	23.7	37.7
SD	10.778	11.196	10.247	8.341	6.690	7.966	7.360	7.469	8.680	8.404	8.578	10.160	10.770
TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
MEAN	16.2	17.4	24.8	56.9	46.0	53.7	60.0	58.3	51.9	41.1	32.1	23.0	38.4
SD	11.094	11.506	10.660	8.330	6.280	7.338	6.554	7.127	8.544	8.420	8.555	10.188	12.566
TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
MEAN	18.0	20.3	28.8	59.2	50.3	56.0	64.6	63.3	56.5	45.3	34.0	25.1	42.1
SD	10.083	10.407	9.273	8.878	8.497	7.166	5.776	5.891	7.414	7.128	8.218	9.367	10.034
TOT OBS	930	846	930	899	930	900	930	930	900	930	900	930	10953
MEAN	21.3	23.8	31.3	40.9	51.8	59.4	65.9	64.7	68.4	47.2	36.7	27.1	44.1
SD	8.494	9.013	8.849	8.907	8.870	7.331	5.923	6.201	7.751	7.215	8.257	8.532	12.298
TOT OBS	930	846	930	899	930	900	930	930	900	930	900	930	10949
MEAN	21.4	24.3	31.3	40.6	51.4	59.0	65.6	64.6	68.3	46.9	36.5	27.1	44.0
SD	8.143	8.910	8.544	8.732	8.637	7.240	6.029	6.171	7.693	7.070	8.264	8.684	12.196
TOT OBS	930	846	930	899	930	900	930	930	900	930	900	930	10955
MEAN	19.3	22.2	29.6	38.0	49.4	57.2	64.1	62.8	56.1	44.6	34.5	25.4	42.1
SD	9.994	9.418	8.618	8.477	8.197	7.090	5.864	6.033	7.645	7.257	8.257	9.527	12.283
TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10954
MEAN	17.7	20.5	27.7	6.7	46.6	54.2	61.3	60.1	53.6	42.7	33.4	24.5	40.0
SD	9.881	10.314	9.172	8.254	8.256	7.298	6.197	6.743	8.192	7.891	8.539	9.519	12.051
TOT OBS	930	846	930	900	930	900	930	930	900	930	900	930	10953
MEAN	18.5	20.7	28.1	7.4	48.0	55.5	62.3	61.1	54.8	43.4	34.2	25.1	40.9
SD	9.544	10.571	9.724	5.911	6.995	8.016	7.006	7.239	8.490	8.071	8.576	9.676	12.441
TOT OBS	740	677	744	718	743	720	743	743	720	740	720	744	87631

CLIMATE CLIMATOLOGY BRANCH  
 (CAFETAC)

DEW-POINT TEMPERATURES DEG F FROM  
 HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

AIR WEATHER SERVICE/MAC

STATION NUMBER: 726195 STATION NAME: WUPISHITH AFB MI

PERIOD OF RECORD: 77-87

MO/RS	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01-02	MEAN	11.2	17.0	20.9	29.5	40.2	48.9	56.4	56.0	49.8	38.5	28.7	19.1	34.5
	SD	12.992	13.697	12.064	10.551	10.318	8.535	7.818	7.946	9.212	9.079	10.335	12.415	16.627
	TOT OPS	930	846	930	900	930	900	930	929	900	930	900	930	10955
03-05	MEAN	10.7	12.3	20.2	29.0	39.5	48.0	55.3	54.8	49.0	37.9	28.2	18.5	33.8
	SD	13.402	13.942	12.448	10.400	10.158	8.657	8.055	8.177	9.378	9.210	10.192	12.394	16.729
	TOT OPS	930	846	930	900	930	900	930	930	900	930	900	930	10956
05-08	MEAN	10.4	11.7	20.0	29.9	41.3	50.3	57.6	56.1	49.5	38.1	28.1	18.9	34.4
	SD	13.689	14.313	12.832	10.274	9.522	8.228	7.326	7.640	9.288	9.304	10.201	12.498	16.334
	TOT OPS	930	846	930	900	930	900	930	930	900	930	900	930	10956
08-11	MEAN	11.9	14.2	22.6	31.0	42.5	51.7	59.1	58.6	52.1	40.6	30.0	20.1	37.3
	SD	12.790	13.211	11.515	11.209	10.710	8.742	7.435	7.540	8.852	8.764	9.977	11.761	16.253
	TOT OPS	930	846	929	899	930	900	930	930	900	930	900	930	10953
12-14	MEAN	13.8	16.1	23.2	31.6	42.6	52.1	59.1	58.8	52.5	40.5	30.3	20.9	36.9
	SD	11.590	12.200	11.453	11.219	11.094	8.487	7.494	8.160	9.571	9.249	10.276	11.591	16.837
	TOT OPS	930	846	930	899	929	900	927	930	900	930	900	928	10944
15-17	MEAN	13.4	16.2	23.2	31.2	42.4	51.5	58.7	58.7	52.5	40.5	30.1	20.7	36.7
	SD	11.583	12.319	11.394	10.972	10.925	8.752	8.191	8.173	9.233	9.065	10.495	11.955	16.800
	TOT OPS	930	846	930	900	929	900	930	930	900	930	900	930	10955
18-21	MEAN	12.2	15.2	22.7	30.7	41.8	50.8	58.4	58.2	51.9	39.8	29.4	19.8	36.0
	SD	12.150	12.879	11.545	10.871	11.574	8.688	7.740	7.904	8.680	8.861	10.346	12.310	16.944
	TOT OPS	930	846	928	900	930	900	930	930	900	930	900	930	10954
22-23	MEAN	11.2	14.1	22.0	30.2	41.4	50.2	57.9	57.3	50.7	38.9	28.8	19.4	35.3
	SD	12.578	13.303	11.725	10.604	9.975	8.376	7.313	7.835	8.943	8.928	10.331	12.300	16.961
	TOT OPS	930	846	927	900	930	900	930	930	900	930	900	930	10953
ALL	MEAN	11.6	14.1	21.8	30.4	41.5	50.4	57.7	57.3	51.0	39.4	29.2	19.7	35.5
	SD	12.660	13.360	11.934	10.750	10.506	8.702	7.645	8.071	9.254	9.119	10.299	12.173	16.995
	TOT OPS	7440	6767	7434	7198	7436	7200	7437	7434	7200	7440	7200	7434	87631

ARMY CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/NAO

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726395 STATION NAME: Wurtsmith AFB MI

PERIOD OF RECORD: 79-87  
 MONTH: JAN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-05	100.0	100.0	100.0	99.4	95.9	80.6	57.6	28.8	11.1	73.0	930
	05-10	100.0	100.0	100.0	99.0	96.3	82.4	58.2	31.2	10.4	73.5	930
	10-15	100.0	100.0	100.0	99.7	97.3	85.7	59.5	31.4	11.6	74.0	930
	15-20	100.0	100.0	100.0	99.1	95.6	81.6	56.6	26.3	8.5	72.6	930
	20-25	100.0	100.0	100.0	98.1	87.1	65.6	37.8	16.2	5.1	66.7	930
	25-30	100.0	100.0	100.0	97.7	86.3	60.7	36.1	15.7	5.2	64.8	930
	30-35	100.0	100.0	100.0	98.1	88.6	69.8	44.4	21.0	7.4	68.6	930
	35-40	100.0	100.0	100.0	95.1	92.8	77.2	50.0	23.9	7.5	70.9	930
	TOTAL	100.0	100.0	100.0	98.5	91.7	75.0	50.0	24.4	8.5	70.5	7440

GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726395 STATION NAME: WUNTSMITH AFB MI

PERIOD OF RECORD: 78-87  
 MONTH: FEB

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL HOURS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	00-02	100.0	100.0	100.0	99.5	93.4	80.9	54.7	33.3	14.8	73.3	846
	03-05	100.0	100.0	100.0	99.8	93.4	83.1	56.0	34.4	15.8	74.2	846
	06-08	100.0	100.0	100.0	99.6	93.7	82.9	59.5	36.1	16.7	74.7	846
	09-11	100.0	100.0	99.9	98.7	93.0	79.5	54.1	31.1	12.7	72.6	846
	12-14	100.0	100.0	99.7	95.5	79.9	63.2	38.8	20.6	6.7	66.9	846
	15-17	100.0	100.0	98.0	90.7	77.6	53.9	37.2	20.2	5.1	64.5	846
	18-20	100.0	100.0	99.6	95.5	85.8	67.7	46.3	27.5	10.9	68.7	846
	21-23	100.0	100.0	100.0	97.9	90.4	76.2	50.1	30.5	13.6	71.7	846
	TOTALS	100.0	100.0	99.7	97.5	89.3	73.8	49.8	29.2	12.0	70.7	6767

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/PAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726395 STATION NAME: WORTSMITH AFB MI

PERIOD OF RECORD: 78-87  
 MONTH: MAR

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	00-02	100.0	100.0	100.0	99.5	95.6	85.1	60.9	38.2	12.5	74.8	930
	03-05	100.0	100.0	100.0	100.0	97.5	86.7	65.9	42.0	16.1	76.2	930
	06-08	100.0	100.0	100.0	100.0	97.4	88.0	65.3	42.6	15.4	76.4	930
	09-11	100.0	100.0	99.9	96.4	90.7	72.1	47.8	27.4	8.4	73.1	924
	12-14	100.0	100.0	96.7	93.9	74.3	55.4	35.4	18.0	6.1	63.7	930
	15-17	100.0	100.0	98.1	86.7	73.2	54.0	34.7	19.5	5.4	62.8	930
	18-20	100.0	100.0	99.7	93.9	83.3	68.2	45.9	26.2	7.2	67.6	928
	21-23	100.0	100.0	100.0	98.7	90.7	78.4	58.8	34.0	10.8	72.6	927
	TOTALS	100.0	100.0	99.6	96.6	87.8	73.5	51.8	31.0	10.2	70.6	7434

GLOBAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726395 STATION NAME: WUPTEMITH AFB MI

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	00-04	100.0	100.0	100.0	98.6	91.0	76.1	55.2	30.7	12.3	72.1	900	
	05-09	100.0	100.0	100.0	96.8	95.7	80.2	58.2	35.3	14.3	74.2	900	
	10-14	100.0	100.0	100.0	99.1	94.2	79.1	57.1	33.6	14.2	73.4	900	
	15-19	100.0	99.9	95.6	86.7	67.7	45.8	30.0	19.1	9.2	61.0	899	
	20-24	100.0	96.4	91.0	77.0	58.3	38.4	24.1	16.2	7.7	56.9	899	
	25-29	100.0	95.7	88.8	77.0	58.2	38.0	26.7	16.3	7.9	56.8	900	
	30-03	100.0	95.0	94.2	86.1	69.1	51.4	34.4	21.1	10.0	62.2	900	
	04-08	100.0	100.0	99.6	96.0	85.7	68.0	45.8	28.7	12.4	69.3	900	
	TOTALS	100.0	99.6	96.7	90.0	77.5	59.6	41.4	25.1	11.0	65.7	7198	

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 77-86  
 MONTH: MAY

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	100.0	100.0	100.0	98.8	93.7	81.3	59.9	33.4	11.3	73.7	930
	03-05	100.0	100.0	100.0	99.6	96.0	85.2	66.5	39.5	13.0	75.9	930
	06-08	100.0	100.0	99.9	98.7	91.2	77.1	56.3	34.1	11.7	72.6	930
	09-11	100.0	95.4	95.1	81.7	62.6	43.5	29.6	17.1	5.7	59.0	930
	12-14	100.0	98.7	89.9	70.1	52.9	35.8	23.7	13.1	4.2	54.7	925
	15-17	100.0	96.4	89.1	69.1	52.0	36.4	24.0	12.4	4.0	54.4	925
	18-20	100.0	95.9	95.3	81.6	64.9	48.3	32.3	17.2	7.6	60.4	930
	21-23	100.0	100.0	100.0	97.4	89.2	71.7	49.9	24.9	9.6	70.1	930
	TOTALS	100.0	99.7	96.2	87.7	75.3	59.9	42.8	24.0	8.4	65.1	7431



GLOBAL CLIMATOLOGY BRANCH  
 USAF/ETAC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726395 STATION NAME: WURTSMITH AFB MI

PERIOD OF RECORD: 77-86  
 MONTH: JUN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL HOURS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	00-02	100.0	100.0	100.0	100.0	99.1	90.8	75.6	48.7	14.3	78.6	900
	03-05	100.0	100.0	100.0	100.0	99.4	94.9	82.7	56.3	19.0	81.1	900
	06-08	100.0	100.0	100.0	100.0	98.7	86.4	67.6	41.3	14.0	76.8	900
	09-11	100.0	100.0	99.6	94.2	73.2	47.0	27.8	14.2	3.9	61.5	900
	12-14	100.0	100.0	97.9	83.4	59.7	36.0	18.3	9.6	2.7	56.5	900
	15-17	100.0	100.0	97.5	80.7	57.7	35.3	17.7	8.9	2.7	55.8	900
	18-20	100.0	100.0	98.9	90.4	70.9	49.8	28.0	13.2	3.4	61.2	900
	21-23	100.0	100.0	100.0	99.4	95.7	82.3	62.2	31.2	8.0	73.7	900
	TOTALS	100.0	100.0	99.7	93.5	81.8	65.3	47.5	27.9	8.5	68.2	7200

REGAL CLIMATOLOGY BRANCH  
USAF/FLTA  
AIR WEATHER SERVICE/MAL

COMPLATIVE PERCENTAGE FREQUENCY OF OCCURENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 725345 STATION NAME: WORTSMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: JUL

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-05	100.0	100.0	100.0	99.8	99.1	95.2	81.7	48.5	13.0	79.7	931
	06-11	100.0	100.0	100.0	99.8	99.6	97.4	90.0	54.6	14.6	81.9	931
	12-17	100.0	100.0	100.0	99.9	99.1	92.7	74.8	41.4	11.7	77.9	931
	18-23	100.0	100.0	99.7	95.2	79.8	51.3	26.6	11.6	4.0	62.4	931
	24-29	100.0	100.0	97.7	84.8	60.7	35.5	17.2	6.9	2.0	56.1	927
	30-31	100.0	100.0	97.1	82.4	58.3	35.3	18.6	9.4	2.2	55.9	931
	TOTALS	100.0	100.0	99.7	91.0	74.8	50.5	30.6	14.6	4.4	62.1	931
	TOTALS	100.0	100.0	100.0	99.8	96.7	86.3	63.7	32.6	9.6	74.7	931
	TOTALS	100.0	100.0	99.7	94.2	83.5	68.0	50.4	27.5	7.7	68.8	7437

GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726355 STATION NAME: Wurtsmith AFB MI

PERIOD OF RECORD: 77-86  
 MONTH: AUG

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%		
AUG	00-02	100.0	100.0	100.0	100.0	100.0	99.4	88.9	56.8	20.3	82.6	93
	03-05	100.0	100.0	100.0	100.0	100.0	99.5	93.7	65.8	26.7	84.7	93
	06-08	100.0	100.0	100.0	100.0	99.9	98.9	89.6	59.8	21.8	82.9	93
	09-11	100.0	100.0	99.9	98.0	88.7	66.6	39.9	20.3	4.5	67.3	93
	12-14	100.0	100.0	99.7	91.4	72.4	49.8	23.0	9.6	1.8	63.3	93
	15-17	100.0	100.0	98.5	91.3	76.8	49.0	26.8	12.3	2.4	67.8	93
	18-20	100.0	100.0	99.7	96.6	86.8	68.5	44.3	24.1	5.8	68.3	93
	21-23	100.0	100.0	100.0	100.0	99.0	95.4	77.3	45.3	15.1	79.0	93
	TOTALS	100.0	100.0	99.8	97.3	89.6	78.3	60.4	36.8	12.3	73.2	7435

GENERAL CLIMATOLOGY BRANCH  
 USAF/AFAL  
 AIR WEATHER SERVICE/PAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726195 STATION NAME: WOODSMITH AFB HI

PERIOD OF RECORD: 77-86  
 MONTH: SEP

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%		
SEP	00-02	100.0	100.0	100.0	100.0	99.7	97.9	88.8	53.9	14.4	81.3	90
	03-05	100.0	100.0	100.0	100.0	99.9	98.4	93.7	63.8	16.0	63.3	90
	06-08	100.0	100.0	100.0	100.0	99.8	98.6	92.2	63.3	19.8	83.4	90
	09-11	100.0	100.0	100.0	99.5	95.3	75.3	53.0	27.2	8.4	71.5	90
	12-14	100.0	100.0	99.9	93.9	76.7	51.2	32.0	16.7	5.1	63.3	90
	15-17	100.0	100.0	99.8	93.6	77.9	53.4	33.2	18.7	4.4	63.8	90
	18-20	100.0	100.0	100.0	98.8	93.2	79.1	55.8	29.3	6.8	73.1	90
	21-23	100.0	100.0	100.0	100.0	99.1	95.0	81.7	49.1	11.0	79.5	90
	TOTALS	100.0	100.0	100.0	98.7	92.5	81.1	60.3	40.3	10.7	74.8	720

GENERAL METEOROLOGY BRANCH  
 WASHINGTON  
 AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726395 STATION NAME: WOODSMITH AFB MI

PERIOD OF RECORD: 77-86  
 MONTH: OCT

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL HOURS
		10%	20%	30%	40%	50%	60%	70%	80%	90%	95%		
OCT	00-01	100.0	100.0	100.0	100.0	99.6	95.2	78.2	52.3	16.9	79.9	930	
	03-05	100.0	100.0	100.0	99.8	99.2	96.6	83.0	55.6	20.0	41.1	930	
	06-08	100.0	100.0	100.0	99.9	99.6	96.0	85.3	59.7	20.0	81.7	930	
	09-11	100.0	100.0	100.0	99.7	95.1	77.5	54.1	28.9	9.3	72.2	930	
	12-14	100.0	100.0	99.7	95.2	77.5	53.5	31.4	14.5	3.7	63.1	930	
	15-17	100.0	100.0	99.1	94.7	79.8	57.1	35.8	14.7	4.8	64.2	930	
	18-20	100.0	100.0	99.9	99.7	93.5	79.4	54.7	30.3	8.7	72.3	930	
	21-23	100.0	100.0	100.0	100.0	98.9	89.8	64.9	42.9	12.0	77.1	930	
	TOTALS	100.0	100.0	99.6	98.5	92.9	80.7	61.4	37.4	12.0	74.0	7440	

CLIMATE CLYMIATOLOGY BRANCH  
 SAFETY AC  
 AIR WATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726595 STATION NAME: WORTSMITH FFL MI

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	00-01	100.0	100.0	100.0	100.0	99.0	90.3	65.7	38.4	15.4	76.7	900
	03-05	100.0	100.0	100.0	99.9	98.6	91.7	70.7	43.3	17.4	77.8	900
	06-08	100.0	100.0	100.0	100.0	99.2	92.6	74.2	47.2	19.7	78.9	900
	09-11	100.0	100.0	100.0	100.0	97.9	85.7	59.4	37.7	15.7	75.3	900
	12-14	100.0	100.0	100.0	98.1	85.8	59.0	37.2	23.2	9.3	67.0	900
	15-17	100.0	100.0	99.9	97.1	85.6	63.2	38.6	23.8	10.0	67.5	900
	18-20	100.0	100.0	100.0	99.3	95.4	80.9	53.9	31.6	13.3	73.3	900
	21-23	100.0	100.0	100.0	99.9	98.0	88.7	62.6	35.8	14.4	75.7	900
	TOTALS	100.0	100.0	100.0	99.3	94.9	81.5	57.3	35.2	14.4	74.0	7200

LOCAL CLIMATOLOGY BRANCH  
USAF/ETAC  
AIR WEATHER SERVICE/MAC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726395 STATION NAME: WUPESMITH AFB MI

PERIOD OF RECORD: 77-86  
MONTH: DEC

MONTH	HOURLS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NUM OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	0-5	100.0	100.0	100.0	100.0	98.2	86.8	66.0	38.0	16.3	76.3	931
	6-10	100.0	100.0	100.0	100.0	98.3	87.2	67.1	40.8	15.6	76.9	931
	11-15	100.0	100.0	100.0	100.0	98.0	89.9	71.3	41.7	18.4	77.5	931
	16-20	100.0	100.0	100.0	100.0	96.5	85.6	64.7	40.2	18.0	76.1	931
	21-25	100.0	100.0	100.0	97.7	88.9	73.6	59.9	32.5	11.9	71.2	931
	26-30	100.0	100.0	100.0	97.1	87.4	71.3	49.2	29.5	12.6	70.3	931
	31-35	100.0	100.0	99.5	99.1	94.0	81.3	55.3	34.0	14.5	73.5	931
	36-40	100.0	100.0	100.0	99.4	98.4	86.3	63.2	36.7	16.7	75.7	931
	TOTALS	100.0	100.0	100.0	99.2	95.0	82.6	60.8	36.7	15.5	74.7	7431

U.S. AIR FORCE  
 WAFB  
 AIR WEATHER SERVICE/AWC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
 FROM HOURLY OBSERVATIONS

RELATIVE HUMIDITY

STATION NUMBER: 726495 STATION NAME: WASHINGTON AFB MI

PERIOD OF RECORD: 77-87  
 MONTH: ALL

MONTH	HOURS (EST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN										MEAN RELATIVE HUMIDITY	TOTAL SUM HRS
		10%	20%	30%	40%	50%	60%	70%	80%	90%			
JAN	ALL	100.0	100.0	100.0	98.5	91.7	75.0	50.0	24.4	8.5	70.5	7440	
FEB		100.0	100.0	99.7	97.2	88.3	73.8	49.8	29.2	12.0	70.7	6767	
MAR		100.0	100.0	99.7	96.6	87.8	73.5	51.8	31.0	10.2	70.6	7434	
APR		100.0	99.6	96.7	90.0	77.5	59.6	41.4	25.1	11.0	65.7	7198	
MAY		100.0	99.7	96.7	87.1	75.3	59.9	42.8	24.0	8.4	65.1	7438	
JUN		100.0	100.0	99.7	93.5	81.8	65.3	47.5	27.9	8.8	69.2	7200	
JUL		100.0	100.0	99.1	94.0	83.5	68.0	50.4	27.5	7.7	68.8	7437	
AUG		100.0	100.0	99.8	97.3	89.6	78.3	60.4	36.8	12.3	73.2	7435	
SEP		100.0	100.0	100.0	98.5	92.5	81.1	66.3	40.3	10.7	74.8	7200	
OCT		100.0	100.0	99.8	98.5	92.9	80.7	61.4	37.4	12.0	74.0	7440	
NOV		100.0	100.0	100.0	99.3	94.9	81.5	57.8	35.2	14.4	74.0	7200	
DEC		100.0	100.0	100.0	99.7	95.0	82.6	60.8	36.7	15.5	74.7	7438	
TOTALS		100.0	99.9	99.1	95.9	87.6	73.3	53.4	31.3	10.9	70.9	87631	



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PRESSURE SUMMARIES

STATION 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.

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.

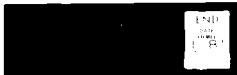
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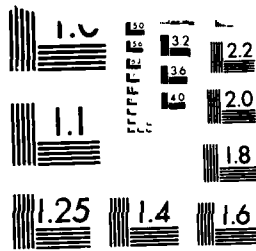
Wurtsmith AFB Michigan Revised Uniform Summary of  
Surface Weather Observations (U) Air Force Environmental  
Technical Applications Center Scott A. 12 JUN 87  
USAFETAC DS-87/043 F/G 4/2

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

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

STATION PRESSURE IN INCHES HG FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

STATION NUMBER: 726395

STATION NAME: WUPTSHITH AFR MI

PERIOD OF RECORD: 77-87

FORM 1113

HOURLY LST	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01	MEAN	29.297	29.365	29.297	29.261	29.267	29.253	29.287	29.320	29.339	29.342	29.332	29.299	29.304
	SD	.291	.261	.268	.255	.178	.165	.136	.135	.175	.236	.251	.279	.228
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
04	MEAN	29.286	29.361	29.287	29.252	29.261	29.250	29.282	29.314	29.335	29.338	29.330	29.302	29.300
	SD	.298	.265	.273	.261	.185	.174	.141	.140	.161	.243	.250	.276	.232
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
07	MEAN	29.290	29.371	29.303	29.268	29.284	29.270	29.301	29.333	29.353	29.349	29.339	29.307	29.314
	SD	.303	.268	.276	.271	.193	.179	.144	.145	.196	.250	.252	.275	.236
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	29.312	29.388	29.315	29.275	29.286	29.276	29.306	29.339	29.360	29.361	29.351	29.321	29.324
	SD	.308	.267	.281	.274	.200	.181	.147	.146	.190	.256	.258	.278	.240
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	29.281	29.368	29.299	29.261	29.271	29.264	29.296	29.327	29.341	29.339	29.321	29.292	29.305
	SD	.305	.265	.278	.262	.201	.176	.141	.143	.188	.252	.261	.277	.237
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	29.273	29.346	29.275	29.244	29.250	29.247	29.274	29.308	29.317	29.326	29.309	29.286	29.287
	SD	.294	.261	.269	.249	.192	.169	.137	.139	.184	.242	.259	.276	.230
	TOT OBS	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	29.298	29.364	29.290	29.250	29.251	29.243	29.268	29.305	29.323	29.344	29.328	29.306	29.297
	SD	.285	.256	.261	.239	.180	.160	.130	.131	.176	.231	.253	.279	.225
	TOT OBS	310	282	309	310	310	300	310	310	300	310	300	310	3651
22	MEAN	29.301	29.368	29.302	29.268	29.269	29.262	29.285	29.324	29.339	29.352	29.330	29.306	29.306
	SD	.284	.259	.264	.241	.176	.159	.128	.130	.175	.231	.254	.283	.224
	TOT OBS	310	282	309	300	310	300	310	310	300	310	300	310	3651
ALL	MEAN	29.291	29.366	29.296	29.260	29.267	29.258	29.288	29.321	29.338	29.344	29.330	29.302	29.305
	SD	.296	.263	.271	.257	.189	.171	.139	.139	.182	.243	.255	.278	.232
	HOURLY TOT OBS	2480	2256	2478	2400	2480	2400	2480	2480	2400	2480	2400	2480	29214

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC

SEA LEVEL PRESSURE IN HPS FROM  
HOURLY OBSERVATIONS

MEANS AND STANDARD DEVIATIONS

AIR WEATHER SERVICE/HAC

STATION NUMBER: 726395 STATION NAME: WÜRTEMBERG AFB MI

PERIOD OF RECORD: 77-87

HOURS LST	STATS	JAN	FEB	MAR	APP	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
01	MEAN	1016.3	1019.0	1016.4	1014.7	1014.6	1013.9	1014.9	1016.1	1017.0	1017.4	1017.3	1016.6	1016.2
	SD	10.245	9.276	9.511	8.885	6.289	5.886	4.819	4.735	6.199	8.275	8.866	9.844	8.670
	TOT OPST	310	282	310	300	310	300	310	310	300	310	300	310	3652
04	MEAN	1016.3	1018.9	1016.3	1014.4	1014.4	1013.9	1014.8	1015.9	1016.8	1017.2	1017.3	1016.7	1016.0
	SD	10.496	9.412	9.669	9.169	6.558	6.128	4.986	4.913	6.407	8.519	8.776	9.711	8.218
	TOT OPST	310	282	310	300	310	300	310	310	300	310	300	310	3652
07	MEAN	1016.5	1019.2	1016.6	1015.1	1015.2	1014.5	1015.4	1016.6	1017.5	1017.7	1017.6	1016.9	1016.6
	SD	10.711	9.527	9.775	9.447	6.762	6.297	5.081	5.068	6.597	8.772	8.880	9.688	8.348
	TOT OPST	310	282	310	300	310	300	310	310	300	310	300	310	3652
10	MEAN	1017.3	1019.9	1017.1	1015.3	1015.3	1014.7	1015.6	1016.8	1017.7	1018.1	1018.1	1017.4	1016.9
	SD	10.898	9.450	9.911	9.562	7.033	6.341	5.166	5.125	6.716	8.981	9.080	9.777	8.488
	TOT OPST	310	282	310	300	310	300	310	310	300	310	300	310	3652
13	MEAN	1016.2	1019.1	1016.5	1014.8	1014.7	1014.3	1015.2	1016.3	1017.0	1017.3	1017.0	1016.3	1016.2
	SD	10.776	9.381	9.820	9.156	7.056	6.211	4.976	5.016	6.645	8.814	9.174	9.736	8.364
	TOT OPST	310	282	310	300	310	300	310	310	300	310	300	310	3652
16	MEAN	1015.9	1018.4	1015.6	1014.2	1014.1	1013.7	1014.5	1015.7	1016.2	1016.8	1016.8	1016.1	1015.6
	SD	10.360	9.215	9.497	8.707	6.764	5.973	4.838	4.872	6.497	8.456	9.077	9.716	8.133
	TOT OPST	310	282	310	300	310	300	310	310	300	310	300	310	3652
19	MEAN	1016.8	1019.1	1016.2	1014.4	1014.1	1013.6	1014.3	1015.6	1016.5	1017.5	1017.3	1016.9	1016.0
	SD	10.074	9.088	9.242	8.303	6.355	5.656	4.578	4.607	6.246	8.109	8.935	9.860	7.972
	TOT OPST	310	282	309	300	310	300	310	310	300	310	300	310	3651
22	MEAN	1016.9	1019.2	1016.6	1015.0	1014.7	1014.2	1014.9	1016.3	1017.0	1017.8	1017.4	1016.9	1016.4
	SD	10.017	9.201	9.328	8.390	6.261	5.606	4.489	4.556	6.175	8.091	8.975	9.986	7.943
	TOT OPST	310	282	309	300	310	300	310	310	300	310	300	310	3651
ALL	MEAN	1016.5	1019.1	1016.4	1014.7	1014.6	1014.1	1014.9	1016.2	1017.0	1017.5	1017.3	1016.7	1016.2
	SD	10.445	9.314	9.592	8.967	6.646	6.021	4.886	4.874	6.445	8.503	8.967	9.783	8.201
	HOURLY TOT OPST	2480	2256	2478	2400	2480	2400	2480	2480	2400	2400	2400	2480	29214

END

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