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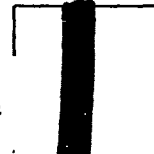
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**DATA PROCESSING BRANCH
USAFETAC
Air Weather Service (MAC)**

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

K I SAWYER AFB MI WEAN# 4336
N 45 21 W 087 24 FLD ELEV 1221 FT SAW WMO#

PARTS A-F

FOR FROM HOURLY OBS: DEC 63-NOV 78
FOR FROM DAILY OBS: DEC 59-NOV 78

APR 26 1979

FEDERAL BUILDING

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1 REPORT NUMBER	2 GOVT ACCESSION NO.	3 RECIPIENT'S CATALOG NUMBER
USAFETAC/DS- 80/013		
4 TITLE (and Subtitle)		5 TYPE OF REPORT & PERIOD COVERED
Revised Uniform Summary of Surface Weather Observations (RUSSWO)- K I Sawyer AFB, Gwinn, Michigan		Final rept.
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 27, if different from Report)		
18 SUPPLEMENTARY NOTES		
19 KEY WORDS (Continue on reverse side if necessary and identify by block number)		
*RUSSWO	Daily temperature	Atmospheric pressure
Snowfall	Extreme snow depth	Extreme surface winds
Climatology	Sea-level pressure	Psychrometric summary
Surface Winds	Extreme temperature	Ceiling versus visibility
Relative humidity	*Climatological data	(over)
20 ABSTRACT (Continue on reverse side if necessary and identify by block number)		
This report is a six-part statistical summary of surface weather observations for K I Sawyer AFB, Gwinn, Michigan It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

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

* Michigan

* K I Sawyer AFB, MI

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

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U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

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

DAILY OBSERVATIONS

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

DESCRIPTION OF SUMMARIES

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

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

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY M. C, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

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

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

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

MISSING HOUR GROUPS

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

JANUARY _____

APRIL _____

JULY _____

OCTOBER _____

FEBRUARY _____

MAY _____

AUGUST _____

NOVEMBER _____

MARCH _____

JUNE _____

SEPTEMBER _____

DECEMBER _____

STATION NO ON SUMMARY 94836	STATION NAME K I SAWYER AFB MI/GWINN	LATITUDE N 46 21	LONGITUDE W 087 24	FIELD ELEV (FT) 1221	CALL SIGN SAW	WMO NUMBER
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STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT ABOVE	
1	K I Sawyer AFB MI	AFB	Dec 59	Feb 63	N 46 21	W 087 24	1220	1240 ft	24
2	Same	Same	Mar 63	Nov 78	Same	Same	1221	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	Dec 59	Located 2/3 mi NE of control tower and 75 yards E of taxiway	GMQ-11	RO-2	13 ft	
2	Jun 61	Located on runway complex	Same	Same	15 ft	
3	Apr 63	1. Located on S end of field 1900 ft from end of runway and 600 ft in from runway (between runway and taxiway) 2. Located on N end of field 1000 ft from end of runway and 750 ft in from runway (between runway and taxiway)	Same	Same	13 ft	

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
4	Apr 68	1. Located 600 ft E of centerline 1000 ft S of the end of rnwy 19	GMQ-11	RO-2A	13 ft	
		2. Located 700 ft E of centerline 1000 ft N of the end of rnwy 01	Same	Same	Same	
5	Jan 70	1. Located 600 ft E of centerline 1200 ft S of the end of rnwy 19	GMQ-20	RO-362	Same	
		2. Located 675 ft E of centerline 2075 ft N of the end of rnwy 01	Same		Same	
6	Nov 78	1. Same	Same	Same	Same	
		2. Same	Same		Same	

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

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

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

WEATHER CONDITIONS

94236 STATION K-I SA YE AEW HI STATION NAME 2-7 YEARS 15 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM RECORD OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JA.	03-07		1.8	1.1	35.5		34.1	8.9	1.7	7.5		17.2	930
	03-05		1.5	1.7	33.5		36.2	11.2	1.2	6.9		18.6	930
	06-08		.9	1.2	35.0		47.8	12.5	1.0	9.2		22.0	924
	08-11		.9	.9	40.2		41.8	12.6	1.9	6.0		22.5	929
	12-14		1.5	1.0	37.0		39.2	8.6	1.2	9.1		18.7	930
	15-17		1.6	.9	33.4		35.6	8.3	1.1	7.0		15.6	930
	18-20		1.3	1.4	30.3		32.4	9.5	1.3	5.4		15.8	930
	21-23		1.3	2.5	31.6		34.2	7.8	1.5	5.9		15.6	930
TOTALS			1.4	1.3	34.7		36.9	10.0	1.3	7.7		18.3	7437

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

948 STATION K I SALVEE AFB TX STATION NAME 2-7 YEARS 12 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM MONTHLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HALE	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
FE-	00-02		.2	.9	34.3		35.1	8.2	1.2	5.2		14.2	340
	03-05		.2	1.0	33.1		34.5	8.0	.4	4.5		13.6	347
	06-08		.4	2.1	34.5		36.3	9.5	.6	5.4		15.5	346
	09-11		.7	.8	30.5		40.5	9.7	1.9	7.8		12.7	340
	12-14		.7	.7	30.4		35.5	6.5	1.1	3.5		14.2	345
	15-17		1.1	.5	31.1		32.3	6.3	1.1	7.0		14.1	340
	18-20		.9	1.4	29.6		30.8	7.5	.9	4.7		12.0	345
	21-23		.7	2.4	31.4		33.2	8.7	1.5	3.7		13.3	345
TOTALS			.6	1.3	32.5		34.8	8.2	1.1	6.0		14.0	6746

USAFETAC FORM 0-10-5(OL 8) JUL 64 REVISED EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

94834 STATION K I SA-YER AFB MI 0-7 YEARS MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
MAY	00-02		5.3	2.8	19.0		25.9	13.2	1.9	4.2		19.0	930
	03-05	.1	4.4	3.0	18.9		25.5	16.5	1.3	5.2		22.2	930
	06-08	.4	6.0	2.4	21.0		28.7	18.3	1.6	4.6		23.4	929
	09-11	.3	5.5	1.4	25.3		31.4	18.6	1.8	5.1		24.5	930
	12-14	.3	4.0	1.2	23.3		27.5	11.8	.5	5.6		17.4	930
	15-17	.3	4.3	1.1	22.0		25.8	9.0	.5	4.4		13.6	929
	18-20	.2	3.1	1.3	19.0		22.7	10.2	1.4	6.0		15.1	930
	21-23	.1	4.3	1.6	19.4		24.0	11.7	.8	3.5		15.9	930
TOTALS		.2	4.6	1.9	21.0		26.4	13.8	1.2	4.6		18.9	7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/AC

WEATHER CONDITIONS

94836 STATION K I SAWYER AFB MI STATION NAME 9-7 YEARS APR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
APR	00-02	.1	9.5	.9	9.6		18.0	12.8	1.9	1.1		15.4	999
	03-05	.6	9.6	.9	8.9		18.1	15.6	1.2	1.3		17.7	900
	06-08	.1	7.2	1.1	9.6		16.6	15.3	1.3	2.2		18.1	900
	09-11	.2	8.4	.9	11.4		19.6	14.0	.9	2.8		17.3	900
	12-14		10.0	.8	10.7		19.7	13.2	.8	1.9		15.6	900
	15-17	.3	9.3	.4	9.8		18.3	11.4	.2	1.7		15.0	900
	18-20	.6	10.3	1.0	9.2		18.9	11.1	.3	1.0		12.1	900
	21-23	.6	10.3	1.1	7.0		16.4	11.8	1.0	.9		13.2	900
TOTALS		.3	9.3	.9	9.5		18.2	13.1	1.0	1.6		15.3	7199

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

94836 STATION K. I. SAWYER AFB HI STATION NAME 9-7 YEARS MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02	.9	12.0	.3	2.3		14.0	15.6	1.9			17.2	930
	03-05	1.4	11.1	.3	2.3		13.3	18.7	1.8			20.1	930
	06-08	.2	13.1	.2	2.2		15.4	20.0	3.3	.2		22.5	930
	09-11		12.9		2.4		14.8	13.8	2.9			16.3	930
	12-14	.3	12.4		2.6		14.4	10.0	2.4			11.8	930
	15-17	1.1	11.5		2.5		13.4	8.2	2.3			10.2	930
	18-20	1.2	12.4		1.6		13.8	9.7	1.7			11.1	930
	21-23	1.5	11.6	.1	.9		12.5	11.9	2.2			13.4	930
TOTALS		.8	12.1	.1	2.1		14.0	13.5	2.3	.0		15.3	7440

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

94836 STATION K I SAWYER AFB MI STATION NAME 0-7 YEARS JUNE MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JUNE	00-02	1.1	8.1		.1		8.1	16.3	2.0			17.7	900
	03-05	.8	9.9				9.9	20.1	1.9			21.0	900
	06-08	1.8	11.8				11.8	16.7	2.4			18.2	899
	09-11	.4	8.8				8.8	9.3	3.1			11.3	899
	12-14	1.6	12.1				12.1	6.7	3.7			9.3	900
	15-17	2.7	13.3				13.3	8.0	2.6			9.8	900
	18-20	2.1	10.9				10.9	8.0	2.9			10.5	896
	21-23	2.2	8.5				8.5	10.9	4.0			13.5	899
	TOTALS		1.6	10.4		.0		10.4	12.0	2.8			13.9

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
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WEATHER CONDITIONS

94834 STATION K. I. SAWYER AFB MI STATION NAME 9-7 YEARS JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	00-02	1.9	6.2				6.2	12.0	4.1			16.1	929
	03-05	1.5	6.7				6.7	18.5	4.0			21.1	926
	06-08	1.2	5.9				5.9	18.5	5.1			20.4	930
	09-11	1.0	6.2				6.2	6.3	2.7			8.8	930
	12-14	2.0	7.1				7.1	3.8	2.2			5.4	927
	15-17	2.5	7.3				7.3	2.5	2.7			5.1	929
	18-20	3.0	7.4				7.4	3.3	3.3			6.7	929
	21-23	2.2	7.0				7.0	7.2	5.9			12.6	927
TOTALS		1.9	6.7				6.7	9.1	3.8			12.0	7427

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

94815 STATION K I SAWYER STATION NAME 2-71 YEARS 1 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
AUG	00-02	1.3	6.4				6.4	17.1	7.1			21.6	928
	03-05	1.4	8.3				8.3	21.7	7.3			25.3	926
	06-08	.8	8.2				8.2	24.0	6.2			27.5	928
	09-11	1.2	8.5				8.5	13.7	4.7			17.4	929
	12-14	.5	8.0				8.0	6.9	2.9			9.3	929
	15-17	2.2	7.2				7.2	5.6	3.6			11.5	929
	18-20	1.9	6.2				6.2	7.1	5.6			11.4	929
	21-23	.9	4.4				4.4	12.3	7.2			16.8	928
TOTALS		1.3	7.2				7.2	13.7	5.6			17.2	7426

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/PAC

WEATHER CONDITIONS

94834 STATION K. I. SAWYER AFB AT STATION NAME 0-7 YEARS 2 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02	1.0	15.8		.7		16.4	20.4	2.4			20.7	900
	03-05	2.3	16.5		.2		16.7	23.5	1.7			23.5	899
	06-08	.9	15.3		.4		15.6	23.7	1.8			24.1	900
	09-11	.7	14.8		.1		14.8	16.1	2.1			17.8	900
	12-14	.4	12.8		.1		12.9	11.3	1.2			12.4	900
	15-17	.7	12.2		.1		12.3	7.9	2.0			9.7	899
	18-20	1.6	12.3		.2		12.6	11.5	4.1			14.2	899
	21-23	1.2	15.6		.6		16.0	16.0	4.3			17.9	900
TOTALS		1.1	14.4		.3		14.7	16.3	2.5			17.6	7107

GLOBAL CLIMATOLOGY BRANCH,
USAFETAC
AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

948 STATION K I SAWYER AFB MI STATION NAME MI YEARS 0-7 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDEP- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
00-02			13.0		5.3		17.1	17.5	3.3		.2	19.7	530
03-05		.2	14.6		5.6		18.7	21.0	1.7		.3	22.2	929
06-08		.4	12.7		5.1		17.4	24.4	2.3	.1	.2	25.7	936
09-11		.2	11.5		6.8		17.4	20.5	2.4	.1	.3	21.9	736
12-14		.3	11.3		4.0		15.3	12.5	1.4	.1		13.7	930
15-17		.6	12.7		4.2		16.6	9.0	1.2			10.3	729
18-20		.5	11.8		3.1		14.7	13.1	2.9			14.5	923
21-23		.6	12.9		4.1		16.8	17.3	3.2	.2		19.4	930
TOTALS		.3	12.6		5.0		16.7	17.1	2.3	.1	.1	18.5	7427

GLOBAL CLIMATOLOGY BRANCH
 USAF-TAC
 AIR WEATHER SERVICE/TAC

WEATHER CONDITIONS

94845 STATION K I SAWYER AFB MI STATION NAME 8-77 YEARS 11 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
DEC	00-02		1.9	2.6	35.2		39.4	11.6	1.3	5.2		18.0	329
	03-05		2.0	3.4	31.6		36.3	14.6	1.4	6.2		22.3	330
	06-08	.1	3.1	2.3	36.7		39.0	15.5	1.4	6.2		22.9	930
	09-11		2.8	2.8	40.4		44.9	16.7	.6	7.3		24.5	929
	12-14	.1	3.0	.5	43.3		46.1	12.6	.5	8.0		20.9	929
	15-17		3.0	1.4	39.9		43.5	11.1	.2	7.2		18.4	930
	18-20		2.4	1.4	35.2		38.5	11.4	1.0	7.2		19.6	930
	21-23		2.2	1.5	36.7		39.7	11.7	1.0	6.2		18.4	930
TOTALS		.2	2.6	2.0	37.1		40.9	13.2	.9	6.7		20.6	7437

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAG
 AIR WEATHER SERVICE/MAF

WEATHER CONDITIONS

94835 STATION K I SAHYER AFB MI STATION NAME 2-7 YEARS 21 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM MONTHLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST. TO VISION	TOTAL NO. OF OBS.
JAN	All		1.4	1.3	34.7		36.9	10.0	1.3	7.7		18.3	7427
FEB			.6	1.3	33.5		34.8	8.2	1.1	6.7		14.9	6756
MAR		.2	4.6	1.9	21.0		26.4	13.6	1.2	4.6		18.9	7438
APR		.3	9.3	.9	9.5		18.2	13.1	1.0	1.6		15.3	7189
MAY		.8	12.1	.1	2.1		14.0	13.5	2.3	.0		15.3	7440
JUN		1.6	10.4		.0		10.4	12.0	2.8			13.9	7153
JUL		1.9	6.7				6.7	9.1	3.8			12.0	7427
AUG		1.3	7.2				7.2	13.7	5.5			17.2	7426
SEP		1.1	14.4		.3		14.7	16.3	2.5			17.6	7197
OCT		.3	12.6		5.0		16.7	17.1	2.3	.1	.1	18.5	7437
NOV		.0	9.5	.2	22.5	.0	31.6	17.5	.9	1.7		19.6	7189
DEC		.0	2.6	2.0	37.1		40.9	13.2	.9	6.7		20.6	7437
TOTALS		.6	7.6	.6	13.8	.0	21.5	13.1	2.1	2.4	.0	16.8	87585

PART A

ATMOSPHERIC PHENOMENA

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

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

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

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

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

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/TAC

XXXX **WEATHER CONDITIONS** XXXX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 ATMOSPHERIC PHE. PHE. P.

9435 STATION K I SA-YF AFB HI STATION NAME 9-7 YEARS AL MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHE. PHE. P.
 FROM DAILY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JAN	411.7	.2	13.6	10.2	77.9		60.5	33.3	10.2	25.0		52.1	569
FEB		.2	11.5	9.1	76.9		77.8	31.7	13.4	25.0		52.3	537
MAR		1.9	21.6	9.8	57.0	.2	66.7	37.5	12.9	15.0		50.4	589
APR		5.4	39.5	4.7	32.2	.4	55.5	38.1	6.6	5.0		42.2	509
MAY		11.2	50.3	1.2	10.4	.7	54.0	37.9	11.0	.7		39.9	589
JUN		20.2	54.0		.4	1.1	54.0	44.2	13.8			46.5	570
JUL		20.2	47.3		.2	1.7	47.3	41.7	20.2			45.4	588
AUG		18.2	50.9			.7	50.9	45.7	22.4			50.4	569
SEP		13.0	60.4		3.2	.9	61.1	55.3	20.7			56.7	570
OCT		4.9	52.0		23.1	.3	62.2	47.1	20.2	1.4		50.7	588
NOV		1.8	33.3	5.3	57.9	.4	73.2	44.7	9.6	8.6		51.1	570
DEC		.5	19.0	13.1	78.6		83.0	38.2	9.2	18.2		53.0	589
TOTALS		8.1	37.8	4.4	34.8	.5	63.9	41.3	14.8	8.4		49.2	6937

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

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

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

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

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

Continued on Reverse Side

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945 at 0800LST
Jan 46-May 47 at 1230GMT
Jun 57-present at 1200GMT

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

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

2 GLOBAL CLIMATE DATA CENTER
 USAF/PTAC
 AIR WEATHER SERVICE/PTAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 PRECIPITATION
 (FROM DAILY OBSERVATIONS)

94831 K I SA YFI AFU 51 0-7
 STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	.02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	17.0	29.2	0.7	15.0	7.0	11.5	5.9	1.2						53.3	587	2.02	4.25	.81	
FEB	22.5	26.4	8.0	16.2	6.9	10.4	4.5	2.6						51.0	537	1.91	3.45	.62	
MAR	33.3	27.0	5.4	11.4	7.3	7.8	3.1	2.0	1.7					39.7	580	2.22	4.21	.81	
APR	44.7	17.0	2.5	8.9	5.6	9.1	0.3	4.2						38.2	570	2.69	3.17	.65	
MAY	44.0	16.3	3.7	9.5	4.8	10.0	4.6	5.4	1.7					39.7	589	3.23	0.37	1.70	
JUN	44.4	15.6	2.5	8.2	4.4	8.6	7.7	5.3	2.0					40.0	577	3.65	9.29	.39	
JUL	51.3	16.1	2.5	6.5	4.2	6.6	0.3	4.1	2.2	.2				37.6	589	3.42	9.00	1.06	
AUG	47.0	18.8	2.2	8.8	3.2	7.0	5.8	4.3	2.0	.2				34.1	589	3.38	6.03	.34	
SEP	37.4	20.4	3.5	9.6	5.8	7.9	6.7	6.3	2.5					42.3	570	3.84	0.70	1.23	
OCT	36.5	22.1	4.8	10.0	5.3	11.0	6.1	2.7	1.5					41.4	589	2.73	6.10	.91	
NOV	27.2	24.9	6.5	12.1	9.8	10.0	4.4	4.4	.7					47.9	570	2.46	4.05	.96	
DEC	16.3	27.8	7.8	16.5	9.0	11.5	7.3	3.4	.3					55.9	589	2.58	5.83	.72	
ANNUAL	35.2	21.8	4.9	11.3	6.3	9.2	5.9	3.9	1.4	.0				43.0	6940	4.23			

GLOBAL CLIMATE DATA
 USAF/TAL
 AIR WEATHER SERVICE/TAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOW FALL
 (FROM DAILY OBSERVATIONS)

94800 K I SA'YEN AFB RI 9-7
 STATION STATION NAME YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01-0.4	.02-0.5	0.5-1.0	1.1-2.5	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4			OVER 50.4	MEAN	GREATEST
JAN	20.9	26.0	10.7	17.3	4.6	9.9	2.9	3.1	1.2	.5	.2			53.1	509	26.2	97.3	3.9
FEB	22.7	27.0	14.7	17.3	7.4	3.4	3.2	1.1	2.9	.7				50.3	537	24.7	40.1	0.8
MAR	41.9	25.3	10.0	10.4	3.4	2.0	1.7	1.7	2.3	.8	.3			37.3	569	22.1	44.1	.2
APR	67.5	15.6	7.7	4.9	1.4	1.4	.5	.5	.4					16.8	570	3.9	17.1	.4
MAY	89.0	6.5	1.7	1.7	1.0	.2								4.6	509	1.3	4.9	.0
JUN	99.0	.4													370	TRACE	TRACE	.0
JUL	99.8	.2													330	TRACE	TRACE	.0
AUG	100.0														300	.0	.0	.0
SEP	96.7	3.0	.2			.2								.4	570	.2	3.4	.0
OCT	77.2	14.4	2.2	3.6	.6	.7	.8	.2						2.3	589	3.6	14.8	.6
NOV	41.0	24.4	10.2	11.6	4.9	2.3	1.1	1.6	2.1	.2				33.9	570	17.4	40.6	7.0
DEC	20.0	27.8	15.6	14.9	8.1	4.6	1.9	2.5	3.4	.7				52.1	585	31.6	70.9	8.3
ANNUAL	64.8	14.3	6.7	6.8	2.6	1.6	1.0	.9	1.0	.2	.0			21.0	6940	35.0		

GLOBAL CLIMATELOGY BRANCH
 USAF ETAC
 AIR LAUNCH SERVICE/MAC

EXTREME VALUES

NOV-FALL

(FROM DAILY OBSERVATIONS)

9486 STATION K I SA-YF AFd KI STATION NAME

59-16 YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT	NOV.	DEC.	ALL MONTHS
59												4.5	
60	5.8	9.3	13.0	4.3	1.7	TRACE	.0	.0	TRACE	1.1	3.9	3.4	13.0
61	5.9	11.1	11.0	3.1	.9	.0	.0	.0	TRACE	TRACE	7.0	9.5	11.1
62	5.0	8.8	6.8	.3	1.4	.0	.0	.0	TRACE	3.9	3.4	4.3	8.8
63	5.7	1.8	6.7	1.3	1.4	.0	.0	.0	.0	TRACE	6.6	7.0	7.0
64	5.4	5.1	8.7	1.7	.0	.0	.0	.0	.0	1.3	3.0	7.8	8.7
65	2.9	12.7	8.3	2.5	TRACE	.0	.0	.0	TRACE	1.7	3.8	3.6	12.7
66	5.6	3.3	6.3	2.7	.4	.0	.0	.0	TRACE	.4	11.8	8.0	11.8
67	11.0	5.2	6.7	.7	1.8	.0	TRACE	.0	TRACE	4.8	7.5	2.3	11.0
68	4.2	6.6	1.4	1.3	TRACE	.0	.0	.0	TRACE	2.6	3.2	13.0	13.0
69	14.5	11.5	21.0	.2	TRACE	TRACE	.0	.0	.0	4.1	3.0	7.7	21.0
70	9.0	3.9	7.5	.6	2.2	.0	.0	.0	TRACE	TRACE	7.3	11.0	11.0
71	23.8	9.6	9.4	1.9	1.0	.0	.0	.0	.0	.0	7.6	6.4	23.8
72	4.1	6.5	10.8	6.4	.0	.0	.0	.0	.0	1.2	2.0	7.1	10.8
73	4.5	10.5	.2	4.1	3.0	.0	.0	.0	TRACE	TRACE	4.6	8.7	10.5
74	3.4	7.1	1.6	6.7	2.3	.0	.0	.0	3.6	4.4	6.5	6.0	7.1
75	8.6	8.1	17.2	1.0	.0	.0	.0	.0	TRACE	TRACE	3.3	3.0	17.2
76	5.0	4.3	13.6	1.3	1.7	.0	.0	.0	TRACE	3.5	4.0	8.0	13.6
77	4.6	3.5	6.7	6.9	TRACE	.0	.0	.0	.0	TRACE	7.7	14.5	14.5
78	10.8	5.5	3.0	1.7	.0	.0	.0	.0	.0	1.0	3.6		
MEAN	7.32	7.13	8.42	2.58	.91	TRACE	TRACE	.00	.16	1.58	5.78	7.17	12.50
S.D.	5.021	3.122	3.303	2.123	.966	.000	.000	.000	.688	1.739	2.534	3.292	4.397
TOTAL OBS.	589	537	589	570	589	570	589	589	570	589	570	589	694

NOTE * (BASED ON LESS THAN FULL MONTHS)

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

EXTREME VALUES
 T. L. V. S. S. L.

FROM ... BY OBSERVATIONS

STATION NAME: ... STATION NAME: ... YEARS: ...

TOTAL ... MONTHLY ... ALL ...

MONTH	JAN.	FEB	MAR	APR	MAY	JUN	JUL	AUG.	SEP	OCT	NOV	DEC	ALL MONTHS
50												17.6	
51	21.5	40.1	20.6	11.0	4.9	TRACE	.0	.3	TRACE	2.7	11.5	15.0	137.0
52	13.9	21.5	24.2	3.4	1.8	.7	.0	.3	TRACE	TRACE	12.5	29.1	170.0
53	28.6	34.3	10.8	1.8	1.4	.7	.0	.3	TRACE	9.1	9.7	24.7	120.0
54	17.4	14.7	13.7	2.3	2.0	.7	.0	.3	.0	TRACE	19.7	27.0	87.0
55	14.0	26.6	25.1	4.1	.0	.7	.0	.3	.0	3.2	7.0	30.5	110.0
56	17.5	18.9	23.1	3.5	TRACE	.7	.0	.3	TRACE	2.1	15.0	10.8	91.0
57	17.6	6.8	27.7	9.8	1.0	.7	.0	.3	TRACE	.5	43.6	29.7	126.0
58	37.5	23.8	14.4	2.4	3.8	.7	TRACE	.3	TRACE	10.3	22.4	6.3	123.0
59	16.1	30.2	3.7	3.3	TRACE	.7	.0	.3	TRACE	5.4	20.7	70.9	150.0
60	44.3	29.4	37.5	.4	TRACE	TRACE	.0	.3	.0	6.5	7.0	55.4	180.0
70	40.6	20.2	17.2	.9	2.2	.7	.0	.3	TRACE	TRACE	15.0	49.5	145.0
71	92.8	34.0	26.3	2.4	1.0	.7	.0	.3	.0	.0	25.5	22.9	200.0
72	17.0	22.5	37.2	17.1	.0	.0	.0	.3	.0	2.3	3.1	36.1	140.0
73	13.9	31.1	.2	11.5	3.8	.0	.0	.3	TRACE	TRACE	8.5	54.5	123.0
74	9.3	31.1	8.1	17.1	2.3	.0	.0	.3	3.4	8.7	14.3	16.9	113.0
75	34.5	28.3	44.1	1.0	.0	.0	.0	.3	TRACE	TRACE	37.2	12.8	159.0
76	36.4	16.7	40.2	1.3	1.2	.0	.0	.3	TRACE	14.3	17.1	24.1	151.0
77	21.1	12.7	17.4	15.8	TRACE	.3	.0	.7	.0	TRACE	15.3	64.1	148.0
78	43.6	25.5	14.0	3.0	.0	.0	.0	.3	.0	2.1	14.8		
MEAN	28.17	24.66	22.13	5.94	1.34	TRACE	TRACE	.00	.18	3.57	17.59	31.60	135.4
S.D.	19.915	8.388	12.541	5.793	1.531	.000	.000	.000	.780	4.439	9.464	18.615	29.204
TOTAL OBS.	589	537	589	570	589	570	589	589	570	589	570	589	694

NOTE * (BASED ON LESS THAN FULL MONTHS)

2 GLOBAL CLIMATE SERVICE
 USAF/STAG
 AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
 SNOW DEPT.
 (FROM DAILY OBSERVATIONS)

94857 K I SA YEN A F W H I 1957
 STATION STATION NAME YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASURABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)			
	NONE	TRACE	01-0.4	02-0.5	06-1.0	11-2.5	26-5.0	51-10.0	101-25.0	251-50.0	501-100.0	1001-200.0	OVER 200.0			MEAN	GREATEST	LEAST	
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW-DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	.3		1.0	1.0	2.9	9.5	30.9	37.9	12.0	3.7	.2			99.7	589				
FEB				1.7	.2	5.9	20.7	43.9	23.0	7.8				100.0	537				
MAR	5.9	1.5	3.6	4.6	3.2	9.7	21.4	33.6	16.2	.2				92.5	589				
APR	54.2	6.1	7.7	5.1	2.8	8.8	3.0	7.9	1.0					32.6	579				
MAY	96.1	1.7	1.0	.7	.3	.2								2.2	589				
JUN	100.0														570				
JUL	100.0														589				
AUG	100.0														589				
SEP	99.8					.2								.2	370				
OCT	92.0	2.0	2.2	1.7	.5	1.5								5.9	589				
NOV	45.4	8.4	13.3	7.5	5.3	10.9	7.5	1.6						46.1	570				
DEC	2.0	1.5	3.9	4.9	9.5	25.0	26.3	23.6	3.1	.2				96.4	589				
ANNUAL	58.0	1.8	2.7	2.3	2.1	6.1	9.4	12.4	4.8	.6	.0			40.2	6960				

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

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

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

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

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

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

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

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

WORLD CLIMATELOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/AFM

EXTREME VALUES

WIND VELOCITY

(FROM DAILY OBSERVATIONS)

3483 STATION K I SAHYEN AFB JIL STATION NAME

59-78 YEARS

DAILY PEAK WINDS IN KNOTS

MONTH YEAR	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG	SEP	OCT	NOV	DEC.	ALL MONTHS
59													
60													
61													
62			32N	20N	37N	34W	30NW	33E	33SS	42E	23SS	21W	37
63	NW 34S	39NNW	45SSW	44S	29NW	42SSW	25NE	31NE	30SSW	31NNW	30N	36	34
64	SSW 40SW	30S	39SSW	59S	37WS	42NNE	35SW	35SW	39E	41W	32S	37	35
65	NNW 38E	38E	35WSW	33SSW	33NW	32NW	32E	29SW	26N	27NE	46N	39	36
66	S 34S	31NNE	43ESE	32NW	38E	31NW	40NNE	27NNW	29SW	38N	52SSE	36	37
67	NW 37E	38S	36N	35SSW	39S	32NNW	32NNE	35N	31N	35S	33S	37	35
68	S 37NNW	44S	46NW	57E	50E	3323/	3818/	4316/	2927/	2729/	4036/	43	34
69	16/ 3736/	3536/	4336/	3830/	4222/	4619/	3225/	4119*	3434/	3236/	3936/	41	22/ 4
70	36/ 3536/	4036/	3527/	4229/	37 2/	3253/	3527/	3227/	3818/	4126/	50 2/	35	20/ 5
71	33/ 4818/	40 1/	4935/	4023/	3920/	3230/	3225/	4022/	3220/	4420/	4229/	38	1/ 4
72	34/ 4536/	3236/	43 9/	2936/	40 1/	3223/	3936/	2626/	3929/	54 2/	3832/	35	29/ 5
73	36/ 3418/	3716/	42 3/	4135/	4022/	3121/	3220/	3820/	3121/	3632/	3522/	37	10/ 4
74	32/ 3534/	3527/	3335/	3613/	3233/	3527/	3422/	3021/	3236/	3935/	3036/	36	30/ 5
75	18/ 5033/	30 3/	36 2/	2827/	6022/	4034/	3221/	3732/	3025/	3829/	4320/	34	27/ 5
76	20/ 3735/	39 1/	3921/	3421/	3419/	54 1/	3127/	3224/	3531/	3230/	3235/	36	17/ 3
77	31/ 3636/	3232/	3535/	3824/	3831/	4330/	4133/	3224/	4225/	3423/	4634/	29	23/ 4
78	36/ 5836/	3120/	3633/	42 1/	3819/	3827/	4720/	3032/	3636/	3624/	37		
MEAN	39.8	35.2	35.9	39.1	38.7	37.1	34.9	33.6	34.3	37.5	35.3	36.9	50.1
S.D.	6.914	3.967	5.711	8.418	7.183	6.962	5.135	4.887	4.976	5.524	7.372	3.052	0.71
TOTAL OBS.	495	479	526	509	525	506	522	524	502	524	509	495	611

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

USAF ETAC FORM 0-88-5 (01)

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 94834 K I SA, YFR AFB MI STATION NAME 67-78 YEARS JA MONTH
 CLASS ALL WE-THE HOURS (L.S.T.) 0000-0200
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.5	1.3	2.6	1.0	.9	.1					7.3	13.0
NNE	.1	.6	.8	.2		.1						1.8	8.2
NE	.2	.4	.3	.4	.3							1.7	10.2
ENE	.4	.5										1.0	3.6
E	.3	.4	.1	.3								1.2	6.5
ESE	.2	.2	.5									1.0	6.7
SE	.3	.1	.3	.1								.9	6.3
SSE	.5	.2	.2	.5	.5	.1						2.2	11.2
S	1.2	2.2	1.9	1.9	.9							8.1	8.8
SSW	2.0	1.9	2.8	3.3	1.3	.2						11.6	9.5
SW	1.1	1.9	2.0	.6	.5							6.2	7.5
WSW	1.2	1.6	2.9	.4	.1	.1						6.3	7.2
W	1.0	4.5	4.0	2.4	.1	.1						12.0	7.8
WNW	1.6	2.7	4.8	2.0	.3							11.5	8.1
NW	.5	1.2	2.5	2.7	.2	.1						7.2	9.9
NNW	.1	1.3	2.8	2.0	.9	.1	.3					7.5	11.6
VARBL													
CALM												12.5	
	11.8	20.4	27.3	19.7	6.1	1.7	.4					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF-TAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94834 K I SA YER AFB HI 69-78 JAN
 STATION STATION NAME YEARS MONTH
 ALL WEATHER CLASS 0300-0500
 HOURS (LST.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.4	1.2	1.9	.9	.2	.2					6.1	13.1
NNE	.2	.1	.9	.3	.2	.2	.1					2.0	12.3
NE		.8	.3	.3	.1							1.5	8.6
ENE	.2	.4	.3									1.0	5.3
E	.3	.8	.1	.1								1.3	5.3
ESE		.6	.2									.9	5.9
SE	.2	.1		.1								.4	4.8
SSE	.4	.4	.9	.6								2.4	8.3
S	1.5	2.4	1.6	2.6	.3	.3						8.7	8.4
SSW	2.2	2.7	2.8	2.6	.6							10.9	8.3
SW	1.1	2.0	2.2	1.1	.1							6.5	7.3
WSW	.9	2.2	1.5	.9	.3	.1						5.8	7.7
W	1.7	3.2	4.3	1.3								10.5	6.8
WNW	1.6	3.3	4.3	1.9	.4							11.6	7.8
NW	.8	1.6	2.8	3.0	.5	.1						8.7	10.1
NNW	.8	.6	2.6	4.1	.9	.4						9.4	11.6
VARBL													
CALM												12.4	
	12.4	21.7	26.2	20.9	4.4	1.7	.3					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/44C

SURFACE WINDS

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

9483- STATION NAME K I SA-YFR AFB HI CLASS ALL OF THE YEAR TEARS 78 MONTHS JAN

ALL OF THE YEAR

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.1	1.0	1.5	.5	.1	.3	.2				5.3	13.4
NNE	.1		1.1	.2	.1							1.8	10.4
NE	.2	.6	.2	.2		.2						1.5	8.9
ENE	.2	.3										.5	4.2
E	.4	.4	.2									1.1	4.7
ESE	.3	.4	.5									1.3	5.0
SE		.5	.5	.1								1.2	7.5
SSE	.2	.5	1.1	.5								2.4	8.1
S	1.1	1.9	2.5	2.5	.1	.2	.2					8.6	9.8
SSW	1.6	3.7	3.2	2.5	.2	.1						11.3	7.8
SW	1.4	1.6	2.5	1.5	.1							7.1	7.8
WSW	.5	2.4	1.5	.3	.2							5.0	6.7
W	1.7	3.8	3.1	1.6	.2							10.5	7.3
WNW	.8	2.6	3.3	2.2	.1							8.9	8.1
NW	.4	1.9	4.4	3.7	.6	.1						11.2	9.9
NNW	.5	1.3	3.0	4.3	.9							10.0	11.0
VARBL													
CALM												12.3	
	9.9	23.2	28.2	21.4	3.1	1.1	.5	.2				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 928

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 94830 STATION NAME K I SAWYER AFB MI YEARS 57-78 MONTH JAN
 CLASS ALL WEATHER HOURS (LST) 0900-1100
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.6	.5	1.7	1.8	.3		.2	.1			5.7	15.2
NNE	.2	.9	.5	.9								2.5	8.7
NE	.3	.1	.4	.3		.1						1.3	8.8
ENE	.4	.2	.1									.8	4.4
E		.1	.8									.9	7.8
ESE	.3	.4	.5	.1								1.4	6.2
SE	.2	.5	1.3	.3								2.4	7.7
SSE	.5	.6	.9	1.0								3.0	8.0
S	.6	2.4	2.6	3.2	1.2	.1	.2					10.3	10.5
SSW	1.2	2.2	2.3	2.5	.5	.3						8.9	9.2
SW	.6	2.3	2.7	1.5	.1							7.2	8.2
WSW	.9	1.3	2.8	1.1								6.0	7.6
W	1.2	3.3	5.4	1.2	.3							11.4	7.5
WNW	.8	1.7	3.4	2.9	.3							9.1	9.4
NW	.4	1.9	3.4	4.5	.9							11.2	10.5
NNW	.2	1.5	3.2	3.6	.6	.1						9.5	11.0
VARBL													
CALM												8.4	
	8.3	20.1	30.9	24.8	5.8	1.2	.2	.2	.1			100.0	8.7

TOTAL NUMBER OF OBSERVATIONS 929

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94856 STATION K I SA'YER AFB HI STATION NAME 50-78 YEARS JAI MONTH
ALL WEATHER CLASS 1200-1500 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.0	1.0	3.0	1.6	.1		.2	.1			9.5	11.7
NNE	.3	.4	.5	.4	.6							2.8	10.6
NE	.2	.2	.8	.4								1.6	8.4
ENE	.3	.2	.4									1.0	5.4
E	.1	.3										.4	4.8
ESE	.5	.5	.2									1.3	4.3
SE	.2	.4	.8	.3								1.7	7.6
SSE	.8	.5	1.1	1.7								4.1	9.1
S	.6	2.5	3.2	3.1	1.7	.4						11.6	11.0
SSW	.1	1.8	2.4	2.9	.5	.2	.3	.1				8.4	11.9
SW		1.2	3.7	1.6		.2						6.7	9.5
WSW		1.2	4.1	1.0	.1							7.0	9.5
W	.4	1.2	3.2	2.5		.1						7.4	9.5
WNW	.8	.9	3.0	3.7	.3							8.6	10.3
NW	.1	1.3	2.6	5.3	1.2							10.4	11.8
NNW	.3	1.3	3.1	5.6	1.2	.4	.1					12.0	11.9
VARBL													
CALM												5.5	
	6.0	15.6	30.6	32.0	7.3	1.5	.4	.3	.1			100.0	10.0

TOTAL NUMBER OF OBSERVATIONS 930

2
 GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/HAC

SURFACE WINDS

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

94834
 STATION

K I SAHYER AFB MI
 STATION NAME

69-78
 YEARS

JA
 MONTH

ALL WEATHER
 CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	1.6	3.4	2.6	1.4	.1	.1	.2				10.2	11.1
NNE	.5	1.2	.9	.5		.1						3.4	8.1
NE		.9	.8	.1								1.7	4.9
ENE	.4	.2	.2	.1								1.0	5.4
E	.5	.2	.5									1.3	5.2
ESE	.3	.2	.5	.1								1.2	6.6
SE	.4	.1	.6	.2	.1							1.5	7.6
SSE	.5	1.1	.9	1.0	.1							3.5	8.5
S	1.0	1.6	2.9	3.1	1.6	.4	.1					10.8	11.3
SSW	.2	1.6	3.1	3.3	1.3	.4	.1					10.1	11.8
SW	.1	.2	2.9	1.2	.2	.1	.1					4.8	10.6
WSW	.1	1.5	1.6	.8								4.0	7.8
W	.8	2.7	5.3	2.4	.2							11.3	8.6
WNW	.5	1.6	3.1	4.1	.5							9.9	10.1
NW	.3	.6	2.7	2.5	.3							6.5	10.2
NNW	.3	2.0	3.7	5.1	1.2	.2	.1					12.6	11.2
VARBL													
CALM												6.2	
	6.9	17.4	33.1	27.2	7.0	1.4	.5	.2				100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94835 STATION K I SAHYER AFB MI STATION NAME 53-78 YEARS JAD MONTH

ALL WEATHER CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.5	1.6	2.2	.4	.2	.3					7.2	10.5
NNE	.3	.6	.5	.3								1.8	6.9
NE	.2	.3	.5	.2								1.3	6.8
ENE	.3	1.1	.1	.1								1.6	5.0
E	.6	.2	.5	.1								1.5	5.8
ESE	.4	.2	.3	.1								1.1	5.9
SE	.5	.8	.4	.2								1.9	5.5
SSE	.5	1.0	1.0	.9								3.3	7.8
S	.4	1.6	2.7	3.8	1.5	1.1						11.0	12.2
SSW	1.1	1.8	2.4	2.6	.6	.5						9.0	10.1
SW	1.3	1.2	1.3	.3	.1		.2					4.4	7.2
WSW	.5	1.8	1.6	.4								4.4	6.8
W	2.5	3.7	4.9	1.8	.1							13.0	7.0
WNW	.9	1.9	3.1	1.4	.1	.1						7.5	8.3
NW	1.4	2.0	2.6	2.0	.2							8.3	8.1
NNW	1.2	2.3	3.5	2.8	.1	.3						10.2	9.1
VARBL													
CALM												2.4	
	13.2	22.0	27.2	19.2	3.2	2.2	.5					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94835 K I SANYER AFB MI 59-78 J44
STATION STATION NAME YEARS MONTH

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.0	1.1	2.0	.9	.2	.2					6.7	11.6
NNE	.1	.5	1.1	.2	.3							2.3	9.4
NE	.2	.3	.5	.2								1.3	7.4
ENE		.1	.4	.1								.6	8.3
E	.6	.1	.4									1.2	4.8
ESE		1.0	.6									1.6	6.4
SE	.6	.3	.3	.4								1.7	6.4
SSE	.3	.6	1.0	.6								2.6	8.4
S	1.1	1.2	1.2	4.0	.6	.4						8.5	11.0
SSW	1.2	2.5	3.3	4.1	.9	.5						12.5	10.4
SW	1.0	1.1	1.0	.3	.1	.3						3.8	7.9
WSW	1.1	2.6	2.7	.8								7.1	6.7
W	2.4	5.4	3.2	1.9	.1							13.0	6.7
WNW	2.0	3.3	3.2	1.0	.2							9.8	6.8
NW	1.0	1.7	2.7	2.9	.2							8.5	9.1
NNW	.9	1.0	2.4	2.5	.5	.1	.1					7.4	10.4
VARBL													
CALM												11.5	
	13.7	22.7	25.2	21.1	3.9	1.6	.4					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

94834 STATION K I SA-YFK AFB MI 69-78 YEARS JA MONTH
 ALL WEATHER CLASS ALL HOURS (L S Y)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	1.0	1.5	2.2	1.1	.5	.2	.1	.0			7.2	12.3
NNE	.2	.6	.6	.5	.2	.1	.0					2.3	9.3
NE	.2	.5	.5	.3	.1							1.5	8.3
ENE	.3	.4	.2	.0								.9	5.1
E	.4	.3	.3	.1								1.1	5.6
ESE	.3	.5	.4	.0								1.2	5.9
SE	.3	.4	.5	.2	.0							1.5	6.9
SSE	.5	.6	.9	.9	.1	.6						2.9	8.6
S	.9	2.0	2.3	3.0	1.0	.4	.1					9.7	10.5
SSW	1.2	2.3	2.8	3.0	.8	.3	.1	.0				10.3	9.8
SW	.8	1.4	2.3	1.0	.2	.1	.0					5.8	8.2
WSW	.6	1.8	2.3	.8	.1	.0						5.7	7.6
W	1.5	3.5	4.2	1.9	.1	.0						11.1	7.6
WNW	1.1	2.3	3.5	2.4	.3	.0						9.6	8.6
NW	.6	1.5	3.0	3.3	.5	.0						9.0	10.0
NNW	.5	1.4	3.0	3.7	.8	.2	.1					9.8	11.0
VARBL													
CALM												10.1	
	10.3	20.4	28.6	23.4	5.1	1.5	.4	.1	.0			100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 7437

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94806 K I SAWYER AFB HI 7-78 FEB
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.4	1.3	4.3	1.7	.4						11.6	10.0
NNE	.5	1.3	.9	1.3	.1							4.1	8.3
NE	.2	.0	.8	.4								2.0	7.7
ENE	.5	.1	.4									.9	5.4
E	1.1	.1										1.2	2.6
ESE	.2	.4	.4									.9	5.4
SE	.1	.1	.4									.6	5.8
SSE	.4		.8		.1							1.3	7.5
S	.1	2.4	3.1	1.9	.4	.1						7.9	9.2
SSW	.8	2.8	3.0	.8	.2							7.7	7.3
SW	.8	1.7	1.9	.6								5.0	6.9
WSW	1.4	2.4	1.2	.4								5.3	5.4
W	2.0	3.2	2.0	.5	.2							7.9	6.1
WNW	2.2	3.4	2.2	.9								8.9	5.9
NW	.5	2.6	2.1	1.2								6.4	7.4
NNW	.7	.8	1.7	3.0	.4							6.5	10.3
VARBL													
CALM												21.7	
	13.2	24.2	22.1	15.1	3.1	.5						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 846

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836 STATION K I SAWYER AFB MI STATION NAME 60-78 YEARS FEB MONTH
ALL WEATHER CLASS 0300-0500 HOURS (LST)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥36	%	MEAN WIND SPEED
N	.9	1.5	2.5	2.6	1.1	.6	.2					9.5	11.4
NNE	.4	.9	1.8	1.1								4.1	8.7
NE	.1	.4	.2	.2								.9	7.6
ENE	.4	.4	.2									.9	4.6
E	.6	1.3	.2									2.1	4.1
ESE	.6	.5										1.1	3.1
SE		.2	.6									.8	7.4
SSE	.1	.6	.5	.1								1.3	6.7
S	.6	1.4	2.1	.8	.5	.1						5.6	8.8
SSW	.7	3.3	3.4	1.3	.1							8.9	7.5
SW	.9	1.4	1.8	.4								4.5	6.3
WSW	.8	2.1	1.3	.1								4.4	5.5
W	3.1	4.3	1.7	.7	.1							9.8	5.2
WNW	2.2	3.1	2.0	.2								7.6	5.3
NW	1.1	2.6	2.0	1.4		.1						7.2	7.3
NNW	1.2	.9	3.2	3.3	.9	.1						9.7	10.3
VARBL													
CALM												21.5	
	13.7	24.9	23.5	12.3	2.7	.9	.2					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 846

2
 GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

94835 K I SAMYER AFB MI 59-78 Feb
STATION STATION NAME YEARS MONTH
 ALL WEATHER
CLASS
 0600-0800
HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.8	1.5	2.7	3.2	1.5	.6						11.6	11.2
NNE	.2	.7	1.3	1.5								3.8	9.4
NE	.2	.6	.6	.2								1.7	7.2
ENE	.5	.1										.6	3.2
E	.9	1.7		.1								2.7	4.5
ESE	.4	.6	.1									1.1	4.1
SE	.2	.7	.4	.2								1.5	6.7
SSE		.1	.2	.1								.5	9.0
S	.8	1.8	1.2	1.1	.6							5.4	6.6
SSW	1.1	3.4	3.0	.8	.2	.1						8.6	7.3
SW	1.1	2.6	2.0	.4								6.0	6.0
WSW	.4	1.1	1.1	.1								2.6	6.4
W	2.5	4.3	2.5	.2	.1							9.6	5.5
WNW	1.1	4.3	1.3	.4	.1							7.1	5.7
NW	.7	3.3	1.7	.6	.2							6.5	6.7
NNW	.7	1.5	3.2	3.1	.9							9.5	10.2
VARBL													
CALM												21.3	
	12.5	28.3	21.2	12.1	3.8	.9						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

94836
STATION

K I SAWYER AFB MI
STATION NAME

69-78
YEARS

FEB
MONTH

ALL WFTHE
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	1.6	3.8	5.9	2.7	.7						15.6	12.3
NNE	.1	.6	.9	2.0	.1							3.8	10.8
NE	.4	.5	.7	.4								1.9	7.1
ENE	.9	1.1	.2									2.2	4.2
E	.4	1.1	.6	.1								2.1	5.3
ESE	.2	.9										1.2	4.3
SE		.9	.5	.1								1.5	6.5
SSE	.4	.5	.4	.6								1.8	7.7
S	.7	1.3	2.0	1.4	.6	.2						6.3	9.7
SSW	.5	2.5	3.5	1.5	.5	.2						8.7	9.1
SW	.8	1.8	1.3	.7								4.6	6.8
WSW	1.1	1.4	1.5	.2								4.3	6.1
W	1.2	2.8	2.8	.7								7.6	6.5
WNW	1.4	2.7	2.8	1.2	.4							8.5	7.3
NW	.2	1.7	2.0	1.2	.2							5.3	8.8
NNW	.4	1.2	3.9	3.8	1.7	.1						11.0	11.5
VARBL													
CALM												13.6	
	9.3	22.7	27.1	19.9	6.1	1.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94835
STATION

K I SAKYER AFB MI
STATION NAME

67-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	4.3	5.6	6.7	3.0	.6						22.2	11.0
NNE	.6	2.4	2.4	1.5								6.9	7.9
NE	.5	.7	.8	.1								2.1	6.3
ENE	.2	.6	.2	.1								1.2	5.5
E	.4	.5	.7		.1							1.7	6.9
ESE	.5	.1		.1								.7	4.5
SE		.4	.6	.1								1.1	7.2
SSE	.2	.7	1.1									2.0	6.5
S	1.1	2.6	4.4	2.8	1.1	.7						12.7	10.1
SSW	.9	1.1	1.9	3.2	.8	.7						3.2	10.8
SW	.6	.6	1.4	.8		.1						3.6	8.5
WSW	.7	.9	1.4	1.2	.2	.1						4.6	9.3
W	.6	1.9	2.5	.9								5.9	7.7
WNW	.6	.6	2.4	1.4	.6							5.6	9.9
NW	.2	.8	2.1	2.8	.6							6.6	10.9
NNW	.4	.9	3.8	3.4	1.3	.1						9.9	11.6
VARBL													
CALM												5.1	
	9.3	19.1	31.2	25.4	7.7	2.1						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

845

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/AC

SURFACE WINDS

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

94830
STATION

K I SA-YER AFB HI
STATION NAME

59-78
YEARS

PERIOD
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-53	≥56	%	MEAN WIND SPEED
N	1.7	2.7	7.3	7.0	2.1	.2						21.0	10.4
NNE	.2	2.7	4.8	2.0								9.8	8.3
NE	.7	1.4	1.9	.7								4.7	7.1
ENE	1.1	1.7	.4									3.1	4.6
E	.5		.4									.8	5.0
ESE	.4	.7	.1									1.2	4.4
SE	.1	.4	.2	.1								.8	6.7
SSE	.6	1.3	.4	.4								2.6	6.1
S	.7	2.5	3.2	3.4	1.1	.2	.1					11.2	10.7
SSW	.6	.8	3.0	2.2	.8		.1					7.6	10.7
SW	.2	.7	1.1	1.4	.2							3.7	10.2
WSW	.5	.4	1.2	1.1	.2							3.3	9.6
W	.5	1.3	1.9	1.3	.2		.1					5.3	9.2
WNW		.8	2.0	2.0	.5							5.3	10.5
NW	.5	.8	1.4	3.0	.2	.1						6.0	11.0
NNW	.6	.8	2.5	4.7	1.1	.2						9.9	11.9
VARIABLE													
CALM												3.5	
	8.7	19.0	31.7	29.3	6.5	.2	.4					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

846

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

94855 STATION K I SAUER AFB TX STATION NAME ALL WINDS YEARS 67-78 MONTHS F. HOURS (LST) 1800-2000

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.9	4.3	4.4	3.7	1.1	.2						13.0	6.3
NNE	1.5	4.7	3.0	.6	.1							9.9	6.3
NE	1.5	2.0	.7	.5								4.7	5.5
ENE	1.7	.7										2.4	3.7
E	.6	.0	.1									1.5	3.7
ESE	.5	.4										.8	3.7
SE	.1	.4	.2									.7	5.8
SSE	.2	1.2	.8	.7								3.0	7.7
S	1.1	2.5	2.0	3.6	.5	.2						10.1	10.0
SSW	.6	1.3	3.0	1.4	.5	.1						6.9	9.6
SW	.5	1.1	.7	.9	.4							3.6	6.1
WSW		1.1	.5	.5								2.0	7.7
W	.9	1.5	1.3	.9	.2							5.0	7.3
WNW	1.3	1.8	2.6	.9								6.6	7.1
NW	.7	1.4	2.0	1.4	.1							5.7	6.3
NNW	1.1	2.5	2.6	3.0	.6	.1						9.8	9.1
VARBL													
CALM												9.3	
	16.4	27.3	23.9	18.3	3.4	1.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

845

GLOBAL CLIMATE DATA SYSTEM
 USAFETAC
 AIR WEATHER SERVICE/PAO

SURFACE WINDS

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

94834 STATION K I SA-YER AFB HI STATION NAME YEARS 75-76 FEET NORTH
 ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS): DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	1.9	2.2	3.5	.5	.0	.1					11.3	9.9
NNE	.7	1.3	1.1	.7	.2							4.0	7.6
NE	.4	.7	1.3	.7								3.1	7.7
ENE	.4	.1	.1	.2								.8	5.6
E	.4	.4	.2									.9	4.3
ESE	.2	.7	.7									1.7	5.9
SE	.1	.2	.2									.6	5.4
SSE	.4	.8	.4	.2								1.8	6.1
S	.9	3.0	3.3	1.4	1.5	.1						10.3	9.1
SSW	.2	2.4	3.8	.8	.2							7.4	8.1
SW	.5	1.2	1.9	1.1								4.6	8.3
WSW	.5	1.4	1.1	.6								3.5	7.1
W	2.1	3.1	1.9	.6								7.7	5.7
WNW	1.5	3.2	.8	.4								5.9	5.3
NW	1.3	2.7	2.5	.8								7.2	6.4
NNW	2.4	2.1	3.3	2.6	.2							10.6	7.9
VARBL													
CALM												18.4	
	14.2	25.2	24.7	13.9	2.7	.7	.1					100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 856

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

94836
STATION

K I SAMPYER AFB MI
STATION NAME

43-78
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.8	2.5	3.7	4.7	1.7	.6	.0					15.1	10.6
NNE	.5	1.8	2.0	1.3	.1							5.8	8.1
NE	.5	.9	.9	.4								2.6	6.8
ENE	.7	.6	.2	.0								1.5	4.4
E	.6	.7	.3	.0	.0							1.6	4.6
ESE	.4	.5	.2	.0								1.1	4.5
SE	.1	.4	.4	.1								1.0	6.7
SSE	.3	.7	.6	.3	.0							1.8	7.0
S	.8	2.2	2.7	2.1	.8	.3	.0					3.7	9.7
SSW	.7	2.2	3.1	1.5	.4	.1	.0					8.0	8.8
SW	.7	1.4	1.5	.6	.1	.0						4.4	7.5
WSW	.7	1.3	1.2	.5	.1	.6						3.8	7.0
W	1.6	2.8	2.1	.7	.1		.0					7.3	6.4
WNW	1.3	2.5	2.0	.9	.2							6.9	6.9
NW	.7	2.0	2.0	1.6	.2	.0						6.4	8.3
NNW	.9	1.4	3.0	3.4	.9	.1						9.6	10.4
VARBL													
CALM												14.3	
	12.2	23.8	25.7	18.3	4.5	1.1	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 6766

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 94836 STATION NAME K I SAWYER AFB MI YEARS 67-78 MONTH 14R
 CLASS ALL WEATHER HOURS (L S T.) 0000-0200
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	1.9	2.9	3.4	1.8	1.5	.1					13.7	11.8
NNE	.0	.6	1.9	1.4	.5	.1						5.3	9.9
NE	.3	1.1	.6	.3	.1							2.5	7.0
ENE	.8	.5	.4	.3								2.0	6.1
E	.4	.6	.6	.2								2.0	6.5
ESE	.3	.4	.6									1.4	5.7
SE	.2	1.0	1.0	.3								2.5	7.3
SSE	.2	.4	.4	.4	.2							1.7	9.3
S	1.2	2.8	2.6	1.9	.4	.1						9.0	8.4
SSW	1.0	2.8	3.0	1.2								8.0	7.2
SW	.8	1.1	1.0	.3								3.1	6.0
WSW	1.2	1.5	.4	.4	.1							3.7	5.5
W	1.0	2.4	.5	.4								4.3	5.5
WNW	1.9	4.0	1.2	.6	.1							8.0	5.7
NW	1.3	1.6	1.1	.4								4.4	5.9
NNW	1.6	1.2	1.6	1.2	.4							6.0	7.8
VARBL													
CALM												22.5	
	14.7	24.0	20.0	13.2	3.8	1.7	.1					100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 930

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

94836 K I SAWYER AFB MI 69-78 10K
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS 0300-0500
CONDITION HOURS (L & T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	3.0	3.7	.9	2.0	1.1						15.2	11.1
NNE	.4	2.0	1.8	1.0	.6	.1						6.0	9.2
NE	.6	1.1	.5	.1	.1							2.5	5.5
ENE	.3	.8	.6	.4								2.2	7.2
E	.0	.9	.3	.1								.0	4.6
ESE	.2	.6	.1									1.0	4.6
SE		.8	.8	.4								1.9	8.5
SSE	.2	.2	.9	.5	.1							1.9	9.1
S	1.4	2.8	2.3	2.2	.4							9.0	7.8
SSW	1.8	3.1	1.7	1.3								8.0	6.5
SW	.9	1.7	.8	.3								3.7	5.6
WSW	1.1	.8	.4	.4								2.7	5.6
W	1.4	2.2	1.4	.3								5.3	5.4
WNW	2.3	3.2	.8	.3								6.6	4.7
NW	.5	2.0	1.2	.8	.1							5.4	7.1
NNW	.5	.8	1.2	1.0	.8	.2						4.4	10.6
VA*BL													
CALM												22.4	
	14.2	26.5	18.4	13.0	4.2	1.4						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

94834
 STATION

K I SAUFER AFB MI
 STATION NAME

59-78
 YEARS

MAR
 MONTH

ALL WEATHER
 CLASS

0000-0800
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.6	4.2	4.0	2.3	.6						15.4	10.8
NNE	.4	1.5	2.2	1.4	.8							6.2	9.8
NE	.3	1.3	1.4	.5								4.0	6.9
ENE	.5	.4	.3	.1								1.4	5.2
E	.6	.8	.2									1.6	4.3
ESE	.1	.2	.2	.1								.6	6.0
SE	.2	.3	.9	.2								1.6	7.5
SSE	.4	1.1	.6	.6								2.3	7.6
S	.8	2.2	2.0	1.5								7.4	7.8
SSW	2.2	3.1	2.9	1.1								9.3	6.5
SW	1.2	1.4	.9	.2	.1							3.8	5.8
WSW	1.0	.9	.1									1.9	3.7
W	1.8	1.9	1.2	.1								5.1	5.0
WNW	1.6	2.7	1.3	.3								5.9	5.3
NW	1.1	1.4	1.0	.2	.2							3.9	6.1
NNW	.9	1.0	1.7	1.6	.4							5.8	9.7
VARBL													
CALM												23.3	
	15.3	22.7	22.1	12.3	3.8	.6						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94835 K I SAMPSON AFB HI 69-78 MAH NORTH
 STATION STATION NAME YEARS
 ALL WFTHR CLASS 0900-1100
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	3.1	5.3	7.2	2.3	1.1						20.4	12.1
NNE	.1	.6	3.8	2.9	.3	.1						7.8	10.9
NE	.6	.8	1.0	.4	.1							2.9	7.5
ENE	.4	1.2	.6									2.3	5.7
E	.1	.9	.8									1.7	6.1
ESE	.4	.6	.3	.3								1.7	6.4
SE		.2	.6	.4								1.3	9.8
SSE	.3	.5	1.4	.6		.1						3.1	8.8
S	.6	3.3	4.2	3.4	1.0							12.6	9.5
SSW	1.2	2.0	2.5	2.2	.6							8.5	8.7
SW	.3	.9	1.1	.3								2.6	7.4
WSW	.3	1.0	1.3	.3	.1							3.0	7.3
W	.5	.9	1.7	1.3								4.4	8.6
WNW	.5	2.0	2.2	1.0								5.7	7.3
NW	.3	1.0	2.2	1.4	.2							5.1	9.4
NNW	.3	.4	2.7	2.6	1.0	.1	.1					7.2	11.8
VARBL													
CALM												9.7	
	7.1	19.5	31.5	24.5	5.6	2.0	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94826 STATION K I SAWYER AFB MI 69-78 YEARS MAR MONTH
 ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.7	7.7	8.6	3.1	1.7	.1					24.9	12.3
NNE	.3	1.8	4.2	2.4	.2	.1						9.0	9.5
NE	.3	1.2	.6	.5								2.7	7.4
ENE	.6	.5	.5									1.7	4.9
E	.2	.6	.9	.2								1.9	7.3
ESE	.1	.3	.4	.2								1.1	7.6
SE	.3	.3	.8	.4								1.8	8.2
SSE	.6	1.1	1.7	1.2	.2							4.8	8.7
S	.6	3.3	4.8	5.9	1.4	.1						16.2	10.4
SSW	.3	.9	1.3	2.9	1.2	.1						6.7	12.2
SW	.1	.4	1.1	1.0	.2	.1						2.9	10.9
WSW	.5	.3	1.4	.9								3.1	8.4
W	.2	.4	1.7	1.2								3.5	9.1
WNW	.2	.2	1.6	1.2	.1							3.3	10.1
NW	.2	.3	1.8	2.0	.1	.1						4.6	11.1
NNW	.1	.5	1.7	3.3	1.3	.1						7.1	12.8
VARBL													
CALM												4.4	
	5.9	15.1	32.4	31.9	7.8	2.4	.1					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836 STATION K I SAWYER AFB MI 09-78 YEARS MAR MONTH
 ALL WEATHER CLASS 1500-1700 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.7	6.5	7.0	2.7	1.3	.9					20.8	13.3
NNE	.2	3.1	7.4	2.8	.5							14.1	9.0
NE	.2	1.2	4.4	1.1								6.9	8.3
ENE	.4	1.0	1.3	.2								2.9	6.7
E	.2	.5	.3	.2								1.3	7.4
ESE	.4	.5	1.0	.1								2.0	6.4
SE	.1	.3	.6	.5								1.6	9.1
SSE	.2	1.8	2.2	1.2	.3							5.7	8.7
S	.5	2.2	3.4	4.7	1.3							12.2	10.8
SSW	.2	.8	1.4	3.3	.3	.2						6.2	11.6
SW	.1	1.0	.6	1.1	.3	.1						3.2	10.6
WSW	.1	.3	1.0	.2								1.6	8.1
W	.2		1.1	1.7	.2							3.2	10.9
WNW		.4	2.8	1.9	.1							5.3	10.6
NW	.1	.3	2.2	1.7	.3							4.6	10.5
NNW		.5	1.6	3.0	.3	.1						5.6	11.8
VARBL													
CALM												2.7	
	3.7	15.7	37.8	30.9	6.5	1.9	.9					100.0	10.2

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATE BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836 STATION K I SAWYER AFB MI STATION NAME 49-78 YEARS 1AR MONTH
 ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	4.2	4.9	4.9	1.9	1.6	.5					19.0	11.3
NNE	1.1	4.7	6.1	1.5	.1	.2						13.8	7.6
NE	1.8	4.5	1.7	.6								8.7	5.9
ENE	1.2	1.1	1.1	.1								3.4	5.2
E	1.2	.5	.5	.4								2.7	5.1
ESE	.2	.2	.6	.1								1.2	6.5
SE	.2	.8	.9									1.8	6.6
SSE	.6	1.5	3.0	1.0								6.1	7.6
S	.4	1.9	3.7	4.2	1.1	.1						11.4	10.4
SSW	.2	1.3	.9	1.1	.2							3.7	9.0
SW	.3	.4	.4	.6	.2							2.0	9.4
WSW	.1	.6	.9	.2	.1							1.9	8.4
W	.5	.4	1.4	.5								2.9	8.0
WNW	.1	.9	2.5	1.2	.1							4.7	9.2
NW	.4	.9	1.5	1.4	.2							4.4	9.1
NNW	.6	1.3	3.1	1.1	.2	.2						6.6	9.1
VARBL													
CALM												5.6	
	10.4	25.3	33.2	19.0	4.2	1.7	.5					100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATE DIVISION
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94851 STATION K I SA-YER AFB HI STATION NAME 59-78 YEARS MAR MONTH
 ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.4	2.9	2.7	3.7	1.4	1.5	.2	.1				14.6	10.9
NNE	.3	2.2	1.0	.9	.3	.3						5.4	8.4
NE	1.1	1.0		.2	.1							2.4	4.9
ENE	.9	.5	.4	.2								2.0	5.5
E	1.0	.9	.6	.3								2.8	5.7
ESE	.7	.2	.6									1.7	4.8
SE	.4	.9	.4	.2								1.9	5.9
SSE	.4	1.3	1.6	.9	.1							4.3	7.9
S	1.5	2.6	4.4	2.7	.6	.1						11.9	8.6
SSW	1.2	2.7	2.3	.9								7.0	6.8
SW	.4	.3	.6	.5								1.9	8.2
WSW	.8	.1	.3	.5								1.7	7.3
W	1.0	1.5	1.0	.5								4.0	6.1
WNW	.6	2.0	1.6	.4								4.7	6.5
NW	1.2	2.4	2.4	1.1								7.0	6.9
NNW	1.2	2.6	1.7	.8	.2	.3						6.8	7.7
VARBL													
CALM												19.8	
	15.6	24.0	21.7	13.8	2.8	.1	.2	.1				100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

STATION 94833 NAME K I SAUFER AFB MI YEARS 51-78 MONTH ALL

CLASS ALL WINDS

CONDITION

NOVEMBER (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.8	4.7	5.3	2.2	1.3	.2	.0				18.0	11.8
NNE	.5	2.1	3.5	1.6	.4	.1						8.5	9.1
NE	.7	1.5	1.3	.5	.1							4.1	6.8
ENE	.6	.8	.7	.2								2.7	5.9
E	.6	.7	.5	.2								2.0	5.8
ESE	.3	.4	.5	.1								1.3	6.0
SE	.2	.6	.7	.3								1.8	7.8
SSE	.4	1.0	1.5	.6	.1							3.8	8.3
S	.9	2.5	3.5	3.3	.8	.1						11.2	9.4
SSW	1.0	2.1	2.0	1.7	.3							7.2	8.3
SW	.5	.9	.8	.6	.1							2.9	7.8
WSW	.6	.7	.7	.4	.0							2.5	6.7
W	.8	1.2	1.3	.6	.0							4.1	7.0
WNW	.9	1.9	1.7	.9	.1							5.5	7.1
NW	.7	1.3	1.7	1.1	.1	.0						4.9	8.3
NNW	.7	1.0	1.9	1.8	.6	.1	.0					6.2	10.2
VARBL													
CALM												13.8	
	10.9	21.6	27.1	19.8	4.8	1.7	.2	.0				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 7438

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94854 STATION K I SAWYER AFB MI STATION NAME 57-78 YEARS APR NORTH
 ALL WT. THE CLASS 0000-0200 HOURS (L.S.T.)
 CODE/KP

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.4	3.3	5.6	.9							13.6	10.1
NNE	.6	1.4	3.7	4.2	.3	.1						10.3	10.4
NE	.2	.7	.6	.1	.1							1.4	7.7
ENE	.4	.3	.8	.1								1.7	6.2
E	.1	.9	.7	.4	.1							2.2	8.4
ESE	.4	.7	.7	.1								1.9	6.0
SE	.1	.1	.4	.3								1.0	10.3
SSE	.8	.8	1.6	.6								3.7	7.1
S	1.3	2.6	3.3	2.4								9.7	8.0
SSW	1.3	4.0	2.6	1.7								9.8	7.0
SW	.9	2.2	1.4									4.6	5.5
WSW	.8	.4	.6	.2								2.0	5.8
W	.7	1.6	.4	.1								2.8	4.9
WNW	.6	.9	.3	.1								1.9	5.2
NW	1.1	1.3	.6	.2								3.2	4.9
NNW	1.0	1.6	1.3	.9	.3	.1						5.2	7.8
VARBL													
CALM												25.0	
	11.5	21.7	22.5	17.4	1.8	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 999

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

94835 STATION K I SA-YER AFB MI STATION NAME 69-78 YEARS APR MONTH
 ALL MONTHS CLASS 0300-0500 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	2.0	3.7	5.2	1.1	.2						14.4	10.5
NNE	.6	1.3	4.3	3.7	.4	.1						16.4	10.1
NE	.5	.6	1.0	.7								3.0	8.2
ENE	.4	.9	.4	.1								1.9	5.6
E	.4	.2	.3	.6								1.6	7.6
ESE	.2	.4	.4		.1							1.2	6.7
SE	.1	.3	.9	.2								1.6	8.2
SSE	.4	.8	1.1	.4								2.3	7.2
S	.9	2.2	4.2	1.6	.2							9.1	8.2
SSW	1.9	3.7	2.1	1.6								9.2	6.7
SW	1.3	1.0	1.2		.1							3.7	5.5
WSW	.1	.6	.4	.2	.1							1.4	7.7
W	1.0	1.2	1.2	.1								3.6	5.2
WNW	1.0	1.3	.4	.3	.3							3.4	5.6
NW	.2	.7	.8	.4								2.1	7.7
NNW	1.4	1.1	.9	1.7	.1							5.2	7.8
VARBL													
CALA												25.3	
	12.6	18.3	23.6	17.0	2.6	.7						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/VAC

SURFACE WINDS

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

94835 STATION K I SA-YEK AFB MI STATION NAME 57-76 YEARS MONTH 3000-3600 HOURS (L.S.T.)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.4	3.9	6.2	1.7	.7						16.6	11.0
NNE	.6	1.0	2.0	3.3	.7							8.1	10.7
NE	.3	.6	1.7	1.1								3.7	8.6
ENE	.3	1.3	1.0	.1								2.8	5.9
E	.4	1.1	.7	.3								2.3	5.3
ESE	.3	1.0	.4	.2								2.0	6.4
SE	.1	1.1	.5	.2								2.2	7.1
SSE	.3	.3	1.4	1.0								3.1	9.1
S	1.0	2.8	3.2	2.1								9.1	7.7
SSW	1.7	2.9	2.4	1.6	.2							8.6	7.4
SW	1.1	1.7	.8	.2								3.8	5.3
WSW	1.0	.8	.4	.2								2.4	5.0
W	.8	.8	1.1	.2	.3							3.2	7.3
WNW	1.1	2.0	1.1	.3	.1	.1						4.8	6.7
NW	.4	.9	.3	.2	.2							2.1	7.4
NNW	1.0	.7	1.1	.9	.4	.1						4.2	8.9
VARBL													
CALM												20.8	
	12.2	21.3	22.8	18.3	3.7	.9						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/AC

SURFACE WINDS

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

9483-

K I SA-YER AFB HI

1978

APR

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

1900-1100

CLASS

HOURS (L.S.T.)

CONDITION

SPED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.6	4.3	6.4	4.3	1.						20.8	13.0
NNE	.0	1.6	3.7	4.7	1.0							11.4	10.9
NE	.0	1.0	1.4	2.2	.2							5.6	9.8
ENE	1.0	.4	.8	.3								2.6	6.0
E	.3	.7	1.3	.1	.1							2.6	7.6
ESE	.3	.3	.9	.3								2.4	7.5
SE	.3	1.4	1.6	.1	.2							3.2	7.2
SSE	.3	1.6	2.1	.9								4.9	7.1
S	.0	2.4	2.6	3.8	.9							10.4	9.9
SSW	.6	2.1	3.0	2.1	.6							8.3	9.3
SW	.1	1.1	2.1	.7	.1							4.1	9.4
WSW	.1	1.0	1.6	.3								3.0	7.6
W	.3	.9	1.8	1.4	.3							4.6	9.5
WNW	.2	1.1	1.1	.8	.1							3.3	8.7
NW	.2	.2	.8	1.6	.4							3.2	12.1
NNW	.3	.6	.9	1.1	.4	.1						3.4	11.0
VARBL													
CALM												5.9	
	7.0	18.8	29.3	29.0	8.8	1.2						100.6	9.6

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

94836 STATION K I SAWYER AFB MI STATION NAME 63-78 YEARS APR MONTH
 ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.9	4.8	9.9	4.7	.8						21.7	13.4
NNE	.3	2.0	6.3	6.3	1.0							16.0	10.6
NE	.3	1.7	1.8	1.7	.2							5.7	8.9
ENE	.2	.6	.3	.3								1.7	7.0
E	.8	.9	.6	.1	.1							2.7	6.2
ESE	.4	.3	.8	.6								2.1	7.9
SE	.3	.6	1.4	.4								2.8	7.6
SSE	.6	1.3	1.2	2.0								5.1	9.1
S	.4	2.9	4.9	5.3	1.1	.2						14.9	10.5
SSW	.6	.8	1.8	1.2	.8	.1						5.2	10.4
SW	.1	.7	1.2	.3	.1							2.4	8.5
WSW	.2	.4	.9	.4	.2							2.2	9.3
W	.4	.8	1.6	1.1	.2							4.1	9.1
WNW	.1	.4	.7	1.0								2.2	10.0
NW		.1	.9	1.6	.4							3.0	12.7
NNW			1.3	2.7	.4	.6						5.0	13.8
VARBL													
CALM												3.2	
	5.6	14.6	30.1	35.0	9.3	1.7						100.0	10.4

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/VAC

SURFACE WINDS

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

STATION 94835 STATION NAME K I SA-YEK AFB MI YEARS 49-78 MONTH APR
 CLASS ALL WINDS HOURS (L & T.) 1500-1700
 CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.2	5.2	11.0	4.1	.3						23.0	12.9
NNE		1.1	5.9	10.8	1.1	.2						19.1	11.9
NE	.2	1.7	6.0	2.0	.2							10.7	9.1
ENE	.7	1.0	1.1	.2								3.0	6.4
E	.4	1.1	1.0	.6								3.1	7.3
ESE	.1	.6	.3	.2								1.2	7.3
SE	.1	.6	1.2									1.9	7.6
SSE		.7	2.4	2.1	.3							5.6	10.7
S	.2	1.4	3.7	5.4	.3	.2						11.3	11.3
SSW	.1	.9	1.4	1.6	.7	.2						4.9	11.3
SW	.2	.3	1.0	.7								2.2	9.0
WSW		.2	1.3	.4		.1						2.1	10.0
W	.1	.1	1.2	.9	.2	.1						2.7	11.5
WNW		.1	.7	1.2								2.0	11.9
NW	.2		.4	1.1	.1							1.9	11.9
NNW		.4	.8	1.6	.6	.4						3.8	13.3
VARBL													
CALM												1.6	
	2.6	12.4	34.3	39.8	7.7	1.7						100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836
STATIONK I SAWYER AFB MI
STATION NAME69-78
YEARSAPR
MONTHSALL WEATHER
CLASS1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.3	5.2	9.4	2.0	.9						23.1	10.9
NNE	1.3	4.4	6.2	5.2	.4							19.7	8.7
NE	.3	3.7	4.3	.7	.1	.1						9.2	7.7
ENE	1.2	2.6	.6	.1								4.4	4.6
E	.4	1.7	.6	.4	.1							3.2	7.4
ESE	.1	.3	.8	.1								1.3	7.6
SE	.4	.3	.8	.1								1.7	6.3
SSE	.4	1.4	1.6	1.8	.1							5.3	8.7
S	.9	2.6	4.9	4.3	.6							13.2	9.6
SSW	.2	.4	.9	1.0								2.6	9.6
SW	.1	.2	.4	.2								1.0	7.8
WSW	.1	.3	.1	.1								.7	5.8
W	.4	.1	.9	1.8								3.2	10.1
WNW		.4	.9	.2	.1							1.7	9.1
NW		.2	.4	1.0	.3							2.0	11.9
NNW	.4	.8	1.3	1.2	.2							4.0	9.4
VARBL													
CALM												3.7	
	7.8	23.9	31.9	27.8	4.0	1.0						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

900

2
 GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

9483.5 STATION K I SAWYER AFB MI 69-78 YEARS APR MONTH
 ALL WEATHER CLASS 2100-2300 HOURS (L & T)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.9	4.7	4.7	5.3	.8							19.3	8.1
NNE	.0	2.3	2.1	2.2	.8	.1						8.1	9.6
NE	.6	.9	.8	.7	.2							3.1	5.0
ENE	.7	.8	.1									1.6	3.9
E	.8	1.0	.9	.6	.1							3.3	7.1
ESE	.3	.3	.8	.1								1.6	6.9
SE	.1	.6	.6	.0								1.8	8.4
SSE	.6	.9	1.0		.1							2.6	6.3
S	1.1	3.6	5.0	3.6	.1							13.3	8.4
SSW	1.3	2.2	2.3	1.3	.1							7.3	7.4
SW	.6	.7	.8	.3								2.3	6.5
WSW	.3	.6	.3	.2	.1							1.6	7.6
W	1.3	.1	.4	.1								2.0	4.4
WNW	.9	1.4	.1	.1								2.6	4.4
NW	1.6	1.6	.4									3.6	4.3
NNW	1.4	1.3	1.9	1.7	.4							6.8	8.4
VARBL													
CALM												19.2	
	16.0	22.9	22.2	16.8	2.8	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAF

SURFACE WINDS

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

94836
STATION

K I SAUYEK AFB HI
STATION NAME

69-78
YEARS

APR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.9	4.7	4.7	5.3	.8							19.3	8.1
NNE	.5	2.3	2.1	2.2	.8	.1						8.1	9.6
NE	.6	.9	.8	.7	.2							3.1	8.0
ENE	.7	.8	.1									1.6	3.9
E	.8	1.0	.9	.6	.1							3.3	7.1
ESE	.3	.3	.8	.1								1.6	6.9
SE	.1	.6	.6	.6								1.8	6.4
SSE	.6	.9	1.0		.1							2.6	6.3
S	1.1	3.6	5.0	3.6	.1							13.3	8.4
SSW	1.3	2.2	2.3	1.3	.1							7.3	7.4
SW	.6	.7	.8	.3								2.3	6.5
WSW	.3	.6	.3	.2	.1							1.6	7.6
W	1.3	.1	.4	.1								2.0	4.4
WNW	.9	1.4	.1	.1								2.6	4.4
NW	1.6	1.6	.4									3.6	4.3
NNW	1.4	1.3	1.9	1.7	.4							6.8	8.4
VARBL													
CALM												19.2	
	16.0	22.9	22.2	16.8	2.8	.1						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94825 K I SA-YFK AFB MI 69-70 APN

STATION STATION NAME YEARS MONTH

ALL W.F.THER. ALL

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	2.6	4.4	7.7	2.4	.5						19.1	11.4
NNE	.6	1.9	4.6	5.1	.7	.1						12.9	10.4
NE	.4	1.3	2.3	1.2	.1	.0						5.3	8.6
ENE	.6	1.0	.6	.2								2.4	5.6
E	.5	.9	.8	.4	.1							2.6	7.2
ESE	.3	.6	.6	.2	.0	.0						1.7	7.1
SE	.2	.6	.9	.3	.0							2.0	7.6
SSE	.4	1.0	1.6	1.1	.1							4.1	8.6
S	.8	2.6	4.0	3.6	.4	.1						11.4	9.3
SSW	1.0	2.1	2.1	1.5	.3	.0						7.0	8.2
SW	.6	1.0	1.1	.3	.0							3.0	6.8
WSW	.3	.5	.7	.3	.1	.0						1.9	7.4
W	.6	.7	1.1	.7	.1	.0						3.3	8.0
WNW	.5	1.0	.7	.5	.1	.0						2.7	7.6
NW	.5	.6	.6	.6	.2							2.6	8.8
NNW	.7	.8	1.2	1.5	.4	.2						4.7	9.9
VARBL													
CALM												13.1	
	9.4	19.2	27.2	25.1	5.1	.9						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 7199

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94835 STATION K I SAWYER AFB MI 60-78 YEARS MAY MONTH
 ALL WEATHER CLASS 0000-0200 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.2	4.1	4.0	4.1	1.6	.0						17.6	9.0
NNE	1.0	2.0	2.6	.7								6.5	7.0
NE	.5	.5										1.1	3.9
ENE	.1	.4	.1	.1								.8	6.7
E	.4	1.1	.4									1.9	4.8
ESE		.5	.2									.8	5.4
SE	.3	.2	.3									.9	5.1
SSE	.3	1.5	.5	.2								2.6	5.7
S	.9	4.0	4.1	1.6	.1							10.6	7.6
SSW	1.9	6.5	2.9	1.5	.1							12.9	6.5
SW	1.7	1.5	.8	.6	.1							4.8	6.1
WSW	1.4	.6	.3									2.4	3.5
W	1.2	1.1	1.0									3.2	4.7
WNW	1.4	1.2	.1	.3	.1							3.1	5.1
NW	1.0	.9	.6									2.5	4.3
NNW	1.6	.3	.6	.1								2.7	4.3
VARBL													
CALM												25.7	
	17.0	26.5	18.6	9.6	2.0	.0						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94835
STATIONK I SA YER AFB MI
STATION NAME51-76
YEARSMAY
MONTHALL WEATHER
CLASS0300-0500
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-10	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.6	4.2	4.6	4.6	1.3	.7						17.5	9.0
NNE	.8	2.3	2.3	1.2	.1							6.6	7.5
NE	.6	1.2	.4	.1								2.4	5.2
ENE	1.1	.8	.3									2.2	4.3
E	.3	.8	.5									1.6	5.6
ESE	.5	.1										.6	2.5
SE	.1	.3	.2	.2								.9	6.8
SSE	.3	.3	.5	.1								1.3	5.9
S	.9	3.7	3.7	1.4								9.6	7.3
SSW	2.3	6.0	2.5	.5	.3							11.6	5.8
SW	1.6	1.4	.8	.4								4.2	5.5
WSW	1.5	.9	.4	.1								2.9	4.3
W	1.3	.9	.4	.2								2.8	4.8
WNW	1.2	1.4	.5	.3								3.4	5.4
NW	.8	.9	.2	.1								1.9	4.4
NNW	1.7	.6	.5	.1		.1						3.1	5.1
VARBL													
CALM												27.4	
	17.5	25.6	13.0	9.5	1.7	.3						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS

930

2
 GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR FATHER SERVICE/PAC

SURFACE WINDS

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

94836 K I SA YFK AFB MI 69-78 MAY
STATION STATION NAME YEARS MONTH

ALL WINDS
CLASS

0000-0800
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	3.9	6.2	4.7	1.6							17.6	9.7
NNE	1.0	3.1	3.7	1.7	.3	.1						9.9	8.2
NE	.8	1.1	.8									2.6	5.4
ENE	.4	1.3	.4									2.2	5.0
E	.5	1.0	.6									2.2	5.4
ESE	.2	.4	.5	.2								1.4	7.7
SE		.2	.8	.2								1.2	8.6
SSE	.3	.9	.4	.5								2.2	7.5
S	.9	2.8	3.2	1.7	.1							8.7	7.9
SSW	1.9	4.4	3.5	1.4	.2							11.5	6.8
SW	2.0	1.8	1.1	.9								5.8	5.6
WSW	1.0	1.5	1.0									3.4	4.9
W	1.3	1.2	.9	.1								3.4	5.0
WNW	.8	1.2	.9	.3								3.1	5.7
NW	1.2	1.1	.4	.3								3.0	5.3
NNW	.9	1.0	1.3	1.3								4.4	8.2
VARBL													
CALM												17.4	
	14.3	26.8	25.7	13.4	2.3	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94834 STATION K I SAWYER AFB MI STATION NAME 52-78 YEARS MONTH NORTH 0900-1100 HOURS (L.S.T.)
 ALL W' TIME CLASS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.5	4.0	6.1	2.2	.4						16.3	11.8
NNE	.9	3.3	6.9	2.4	.8	.7						14.4	8.9
NE	.6	3.1	2.0	.6								6.5	6.6
ENE	1.4	1.2	.5	.1								3.2	4.5
E	.6	1.1	.4	.2								2.4	5.6
ESE	.5	.3	.0									1.5	5.4
SE	.1	.8	.6	.5	.1							2.2	8.7
SSE	.9	.5	1.2	.4	.1							3.1	7.4
S	.5	3.0	5.7	2.8	.8							12.8	9.2
SSW	.4	2.4	3.2	1.9	.6							8.6	9.1
SW	.1	1.5	2.3	1.0	.1							4.9	8.5
WSW	.6	.9	1.2	1.0								3.7	7.8
W	.8	.9	1.0	.5								3.8	7.2
WNW	.5	.5	1.7	.6								3.4	8.0
NW	.3	1.1	2.0	.9	.1							4.4	8.0
NNW	.1	.8	1.6	1.7	.4							4.6	10.5
VARBL													
CALM												4.2	
	9.0	23.8	36.3	20.9	5.2	.4						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

94834 STATION K I SA YEK AFB MI STATION NAME 59-78 YEARS MAY MONTH
 1200-1400 HOURS (L.S.T.)
 A L W E T H E R CLASS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.2	4.6	7.0	2.0	.6						16.0	12.6
NNE	.2	3.2	7.2	7.0	1.0							18.6	10.3
NE	.3	2.6	4.8	2.6	.2							10.5	8.7
ENE	.0	1.6	1.4	.3								4.0	6.5
E	.5	1.2	.5	.3								2.7	6.2
ESE	.1	.5	1.1									1.7	6.8
SE	.2	.4	1.1									1.7	7.5
SSE	.3	1.1	2.0	1.6	.1							5.4	9.6
S	.4	2.3	5.7	4.2	1.4							14.0	10.5
SSW	.3	1.4	2.2	1.1	.9							5.8	9.9
SW	.1	.3	1.6	1.4	.1							3.5	10.3
WSW	.1	.3	1.4	.8	.1							2.7	10.1
W	.3	.3	1.2	.3		.1						2.5	8.3
WNW	.1	.5	1.6	.3	.1							2.7	8.9
NW	.2	.1	1.3	1.0	.1							2.7	10.0
NNW	.3	.6	1.3	1.4	.3							4.0	10.3
VARBL													
CALM												1.5	
	4.7	18.0	39.1	29.5	6.3	.3						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/VAC

SURFACE WINDS

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

9483c K I SA-YFK AFB II 57-78 MAY

STATION STATION NAME YEARS MONTH

ALL WE. THE- 1500-1700

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-35	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.9	4.8	7.3	2.0	.2						15.8	12.8
NNE	.5	3.2	9.7	11.7	1.1							26.2	10.5
NE	.4	1.5	5.8	2.4								10.1	9.0
ENE	.3	1.0	1.9	.4								3.7	7.5
E	.3	.9	.8									1.9	5.8
ESE	.2	.5	.2	.3								1.3	6.7
SE		.5	.9	.1								1.5	7.5
SSE	.1	.6	2.7	3.3	.6							7.4	11.2
S	.3	1.1	3.9	4.2	2.2	.6						12.3	12.2
SSW	.5	.2	1.2	1.1	.3	.3						3.7	11.4
SW	.1	.6	1.0	1.0	.3	.1						3.1	11.0
WSW	.1	.8	1.0	1.2	.2							3.2	10.1
W	.1	.1	1.2	.4								1.8	9.0
WNW	.2	.3	.8	.6								1.9	9.2
NW		.3	1.1	.9	.4							2.7	11.4
NNW		.1	.8	1.1	.4							2.4	12.9
VARBL													
CALM												1.0	
	3.4	12.7	37.5	36.0	7.6	1.7						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

94836

K I SA-YER AFB HI

68-78

MAY

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

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

CLASS

CONDITION

SPEED (KNTS) DIR.	1-5	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	2.6	6.8	4.3	1.1	.						16.7	10.3
NNE	1.3	5.8	9.9	2.5	.5	.						20.2	8.2
NE	1.0	3.7	4.8	1.4								10.9	7.2
ENE	.9	2.2	1.3	.1								4.4	5.5
E	1.7	2.0	1.1	.1								4.6	5.1
ESE		.9	.3									1.2	5.5
SE	.8	1.0	.6	.1								2.5	5.6
SSE	.6	2.7	4.1	2.8								10.2	8.4
S	.2	1.4	4.1	6.1	1.1	.1						13.0	11.4
SSW		.6	1.0	.3								1.9	8.2
SW	.2	.1	.0	.8	.8	.3						2.8	14.1
WSW		.1	.5	.3								1.0	9.8
W	.4	.3	.3	.2								1.3	6.7
WNW	.1	.2	1.0	.4								1.7	8.8
NW		.8	.4	1.1	.1							2.4	9.8
NHW	.3	.4	.9	1.0	.2	.1						2.9	10.3
VABL													
CALM												7.4	
	8.4	24.7	37.7	21.0	3.8	1.4						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
 USAF-TAC
 AIR WEATHER SERVICE/VAC

SURFACE WINDS

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

9485- STATION K I SA-YFK AFB MI CLASS ALL WFTHE YEAR 78 MONTHS 2100-2300
MOES (LST)

STATION NAME STATION CLASS MONTHS

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	5.2	4.9	3.4	3.2	.6	1.						18.4	7.6
NNE	1.9	1.9	1.3	1.0								6.7	6.2
NE	.6	1.3	.3	.1								2.4	5.0
ENE	1.0	.9	.1									1.9	3.9
E	.9	1.3	.2									2.4	4.3
ESE	.1	.8	.1	.2								1.2	6.5
SE	.4	1.2	.4	.2								2.3	5.6
SSE	.6	3.2	1.0	.1								5.6	5.8
S	1.1	4.1	5.8	3.3	.5							14.8	8.5
SSW	1.1	3.4	2.3	1.1		.1						8.0	7.0
SW	.5	.9	.2	.6								2.3	7.3
WSW	.4	.6										1.1	4.0
W	1.6	.3										1.9	2.6
WNW	1.6	1.2	.2	.2	.1							2.7	5.6
NW	.4	.8	.6	.1	.1							2.0	6.6
NNW	1.2	1.0	.4	.9	.3	.1						3.9	7.5
VARBL													
CALM												22.6	
	18.1	27.7	17.6	11.1	1.7	1.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 930

AL CLIMATOLOGY BRANCH
 USAFETAC
 WEATHER SERVICE/MAC

SURFACE WINDS

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

94834 STATION K I SAWYER AFB MI STATION NAME 63-78 YEARS MAY MONTH
 ALL W.F.T.H. CLASS ALL HOURS (L & P.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.8	3.0	4.9	5.2	1.6	.5						17.0	10.3
NNE	.9	3.1	5.5	3.5	.5	.1						13.6	9.0
NE	.6	1.9	2.4	.9	.0							5.8	7.5
ENE	.7	1.2	.8	.1								2.8	5.6
E	.6	1.2	.6	.1								2.5	5.3
ESE	.2	.5	.4	.1								1.2	6.1
SE	.2	.6	.6	.2	.0							1.6	6.9
SSE	.4	1.4	1.0	1.2	.1							4.7	8.3
S	.6	2.8	4.5	3.2	.8	.1						12.0	9.5
SSW	1.1	3.1	2.3	1.1	.3	.1						8.0	7.5
SW	.8	1.0	1.0	.6	.2	.1						3.9	8.1
WSW	.6	.7	.7	.4	.0							2.5	6.9
W	.9	.7	.8	.2								2.6	6.0
WNW	.7	.8	.8	.4	.0							2.8	6.8
NW	.5	.7	.8	.5	.1							2.7	7.7
NNW	.8	.6	.9	.9	.2	.0						3.5	8.7
VARBL													
CALM												12.8	
	11.6	73.2	28.8	18.9	3.8	.3						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

9483- STATION K I SAFFER AFB MI STATION NAME 67-78 YEARS MONTH JULY
 CLASS ALL AT THE HOURS 0000-0200
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	3.0	2.3	1.4	.1							9.9	6.9
NNE	1.0	1.2	1.6	.4								4.2	5.5
NE	.7	.4	.2									1.3	4.4
ENE	.4	.3										.8	3.3
E	.1	.3										.4	3.8
ESE	.1	.9	.1									1.1	4.4
SE		.6	.6	.1								1.2	7.2
SSE	.6	1.7	.8	.1								3.1	5.6
S	2.7	4.0	4.2	2.2	.4							13.3	7.3
SSW	3.0	6.1	4.3	.6	.1							14.1	5.7
SW	2.2	1.9	1.1	.3								5.6	5.2
WSW	1.8	1.1	.3									3.2	3.8
W	3.4	1.6	.6	.1								5.7	3.8
WNW	1.0	.3	.6									1.9	4.6
NW	1.1	.7	.3	.2								2.3	4.8
NNW	1.1	1.0	1.0									3.1	5.1
VARBL													
CALM												28.7	
	21.6	25.1	18.0	6.0	.7							100.0	4.1

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836 STATION K I SAUER AFB MI 67-78 YEARS JUL NORTH

ALL WEATHER
CLASS

0300-0500
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	3.1	2.7	2.3	.2							9.6	7.8
NNE	.4	1.7	1.7	.6								4.3	7.2
NE	.4	.9	.1									1.4	4.1
ENE	.3	.2										.6	3.8
E	.3	.7	.3									1.3	5.1
ESE	.2	.3	.1									.7	4.7
SE		.2	.2									.4	6.8
SSE	.1	1.3	1.1	.3	.1							3.0	7.9
S	1.7	4.3	2.9	1.6								10.4	7.0
SSW	3.1	6.3	3.8	1.6								14.8	6.1
SW	1.4	3.0	1.6									6.0	5.2
WSW	2.2	1.3	.8									4.3	4.1
W	1.9	2.1	.8									4.8	4.4
WNW	1.2	1.7	.6	.1	.1							3.7	5.2
NW	1.0	.7	.3		.1							2.1	4.9
NNW	.2	.4	.7	.4								1.8	7.6
VARBL													
CALM												30.8	
	15.9	27.3	17.6	6.9	.6							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 94836 STATION NAME K I SAWYER AFB MI YEARS 57-78 MONTH JUL
 CLASS ALL WINDS HOURS (LST) 0000-0600
 CONDITION _____

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	3.1	3.0	3.7	.2							11.5	8.1
NNE	.4	2.3	1.6	1.0								5.3	7.2
NE	.6	.6	.2	.1								1.4	5.0
ENE		.6		.1								.7	5.8
E	.2	.7										.9	4.6
ESE	.2	.1	.3									.7	6.2
SE		.3	.3									.7	6.5
SSE		.9	1.8									2.7	7.5
S	1.0	3.5	4.8	1.4	.2							10.9	7.6
SSW	2.1	6.1	5.7	2.0	.1							16.0	7.2
SW	.9	2.1	3.8	.2								7.0	6.9
WSW	1.2	1.8	1.9	.1								5.0	5.7
W	1.9	3.2	2.7	.1								7.9	5.7
WNW	1.0	1.6	1.3	.4								4.3	6.3
NW	.9	1.1	1.1	.2	.1							3.5	6.4
NNW	.8	.9	1.8	.1								3.6	6.5
VARBL													
CALM												17.5	
	13.1	28.8	30.3	9.6	.7							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 898

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

94835
STATION

K I SA-YEK AFB HI
STATION NAME

67-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.1	2.2	4.7	.7	.2						9.5	11.3
NNE	1.3	2.4	3.4	2.0	.1							9.9	8.2
NE	1.0	1.7	2.0									4.7	5.8
ENE	1.1	.6	1.1									3.0	5.0
E	.9	1.1	.4	.1								2.6	4.8
ESE		.3	.6									.9	7.4
SE	.2	1.0	.7	.1								2.0	6.1
SSE	.2	1.1	2.1	1.1								5.1	7.9
S	.9	2.2	4.9	4.0	.3	.1						12.5	9.7
SSW	.9	1.2	5.3	4.8	.8	.1						13.1	10.3
SW	.4	.9	2.4	1.7	.1							5.6	9.0
WSW	1.0	1.3	3.4	1.7								7.5	8.1
W	.9	3.0	3.9	.7								8.5	7.0
WNW	.4	.8	2.3	1.2	.1							4.9	8.8
NW	.2	.7	1.6	.9	.2							3.6	9.2
NNW	.2	.8	1.2	1.2	.2							3.7	9.5
VARBL													
CALM												3.2	
	10.2	20.5	37.7	24.7	2.6	.4						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 899

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 94834 STATION NAME K I SA-YER AFB MI YEARS 54-78 MONTH JUL
 CLASS ALL WINDS HOURS (LST) 1200-1400
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.6	2.2	4.7	1.1							8.9	12.1
NNE	.0	2.2	5.7	5.0	.1							13.6	9.5
NE	.4	1.8	6.0	1.7								9.9	8.4
ENE		1.6	2.4									4.0	7.1
E	.3	1.4	.9	.1								2.8	6.0
ESE	.4	1.1	.4									2.0	5.3
SE	.2	.8	1.0	.2								2.2	7.2
SSE	.2	1.2	2.2	1.4	.4							5.6	9.7
S	.4	1.9	4.2	5.6	1.0	.1						13.2	10.9
SSW	.3	.8	4.1	3.7	.9	.2						10.0	11.2
SW	.3	.8	2.6	2.8	.4							6.9	10.4
WSW	.6	.6	1.6	2.2	.2							5.1	9.6
W	.3	.8	1.9	1.0								4.0	8.8
WNW	.3	.3	1.7	1.8	.2							4.3	10.3
NW	.2	.4	1.6	1.0								3.2	9.6
NNW		.3	1.4	1.1								2.9	10.1
VARBL													
CALM												1.4	
	5.1	16.6	39.9	32.2	4.4	.3						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAJ

SURFACE WINDS

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

94835 STATION K I SA-YE-K AFB MI 77-78 YEARS JULY MONTH
CLASS ALL WEATHER HOURS (L.S.T.) 1500-1700
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.2	3.9	3.0	1.6							10.7	11.5
NNE	.6	3.0	9.7	4.6	.3							18.1	9.4
NE	.6	2.8	8.7	2.0								14.0	8.2
ENE	.3	1.8	2.6	.3								5.0	6.8
E	.4	1.4	.9	.1								2.9	5.8
ESE	.6	.6	.2									1.3	4.3
SE	.2	.4	.8									1.4	6.7
SSE		1.1	2.4	1.6								5.1	9.2
S	.1	.9	4.9	7.3	1.1	.2						14.6	11.9
SSW	.3	.3	2.6	3.6	1.1							7.9	11.6
SW	.1	.2	.8	2.7	.6							4.3	12.9
WSW	.1	.7	1.3	1.1	.1							3.3	10.0
W	.1	.3	.8	1.2								2.4	10.0
WNW		.3	1.3	1.0	.1							2.8	10.8
NW		.3	.6	1.6	.2							2.9	11.0
NNW	.1	.6	1.0	.9	.1	.1						2.8	10.6
VARBL													
CALM												.4	
	3.8	16.0	42.6	31.7	5.2	.3						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/44C

SURFACE WINDS

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

94834
STATION

K I SAWYER AFB MI
STATION NAME

69-78
YEARS

JUN
MONTH

ALL REF. TIME
CLASS

1800-2000
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.6	4.5	3.6	.7							12.1	9.0
NNE	.7	5.6	7.7	1.6								15.5	7.4
NE	1.2	4.1	5.9	.1								11.4	6.5
ENE	.8	3.0	1.3	.1								5.2	5.4
E	1.9	2.7	1.1									5.7	4.7
ESE	.6	.6	.2									1.3	4.4
SE	.1	1.3	.6	.1								2.3	6.3
SSE	.3	1.2	4.2	1.7								7.5	8.8
S	.3	1.6	6.5	4.9	.6							13.8	10.1
SSW	.1	.4	2.6	2.2	.1							5.5	10.8
SW	.1	1.0	1.0	1.2	.3							3.7	10.1
WSW	.1	1.1	.8	.6		.2						2.8	8.9
W	.4	.9	1.2	.1								2.7	6.6
WNW	.1	.8	.9	1.2								3.0	9.6
NW	.2	.4	.7	.6	.1							2.0	8.9
NNW	.2	.6	1.0	.6	.1							2.5	8.8
VARBL													
CALM												3.0	
	8.0	27.9	40.4	18.5	1.9	.2						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

9485 STATION K I SAFFER AFB MI 51-78 YEARS JUL MONTH
2100-2300 HOURS (L.S.T.)
 CLASS ALL REF. THE.
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	4.1	3.4	2.9	2.2	.2							12.9	6.4
NNE	1.8	2.0	.7	.1								4.6	4.5
NE	.9	.6	.3									1.8	4.4
ENE	.8	.6	.1									1.4	3.6
E	1.3	1.1										2.4	3.3
ESE	.7	1.0	.2									1.9	4.0
SE	1.8	1.2	.4	.1								3.6	4.3
SSE	1.2	2.4	1.2	.2								5.1	5.6
S	2.4	4.6	7.3	4.0	.1							18.5	7.7
SSW	1.9	3.1	2.2	.9		.1						9.2	6.5
SW	1.7	1.7	.7	.6								4.6	5.2
WSW	1.2	1.1	.1									2.4	3.6
W	1.0	.8	.7	.3								2.8	5.5
WNW	.6	1.1	.1	.2								2.0	4.9
NW	1.1	.8	.4	.2								2.6	5.0
NNW	.9	1.1	1.8									3.8	6.1
VARBL													
CALM												21.5	
	23.4	26.6	19.2	8.9	.3	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94834 STATION K I SAWYER AFB MI STATION NAME 57-78 YEARS MONTH

ALL WEATHER CLASS
 CONDITION

ALL MONTHS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	2.3	3.0	3.4	.6	.0						10.7	9.1
NNE	.8	2.5	4.0	2.0	.1							9.4	8.1
NE	.7	1.6	2.9	.0								5.7	7.1
ENE	.5	1.1	.9	.1								2.6	5.8
E	.7	1.2	.5	.0								2.4	4.9
ESE	.3	.6	.3									1.2	4.9
SE	.3	.7	.6	.1								1.7	6.0
SSE	.4	1.4	2.0	.8	.1							4.6	8.0
S	1.2	2.9	5.0	3.9	.5	.1						13.4	9.1
SSW	1.5	3.1	3.8	2.4	.4	.1						11.2	8.2
SW	.9	1.4	1.7	1.2	.2							5.5	8.0
WSW	1.0	1.1	1.3	.7	.0	.0						4.2	7.0
W	1.3	1.6	1.6	.4								4.8	6.2
WNW	.6	.9	1.1	.8	.1							3.4	7.9
NW	.6	.6	.8	.6	.1							2.8	7.7
NNW	.4	.7	1.2	.5	.1	.0						3.0	7.9
VARBL													
CALM												13.3	
	12.7	23.7	30.7	17.3	2.0	.2						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 7192

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94895 STATION K I SA-YER AFB HI TELLS 78 MONTH JUL

ALL WEATHER CLASS

0000-0200 HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.6	2.2	2.0	1.0	.2							8.9	5.9
NNE	.9	1.9	.5	.2								3.6	5.2
NE	.3	.1										.4	3.3
ENE	.1											.1	3.0
E	.2	.4	.2									.9	4.9
ESE	.2		.2									.4	4.8
SE	.1	.3	.5									1.0	6.6
SSE	.9	.9	.1									1.8	3.8
S	.9	2.7	3.8	1.2	.2							8.7	7.7
SSW	3.0	5.7	6.4	.8	.1							15.9	6.3
SW	2.0	2.5	2.4	.5								7.4	5.8
WSW	1.2	1.7	1.1									4.0	5.3
W	3.1	1.4	.8	.3								5.6	4.3
WNW	1.8	1.6	.3									3.8	3.6
NW	1.9	1.8	.3									4.1	3.7
NNW	1.2	.6	1.0	.2								3.0	5.5
VARBL													
CALM												30.4	
	21.4	23.9	19.6	4.2	.5							100.0	3.9

TOTAL NUMBER OF OBSERVATIONS 929

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94825
STATIONK I SA-YFK AFB MI
STATION NAME54-78
YEARSJUL
MONTHALL AT THE
CLASS0300-0500
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	3.1	3.1	1.3	.3							9.8	7.0
NNE	.0	1.0	.4	.1								2.2	5.1
NE		.3										.3	4.7
ENE	.2											.2	3.0
E	.4	.1										.5	2.5
ESE		.2	.1									.3	6.3
SE	.2	.1	.1									.4	3.8
SSE	.5	.3	.3									1.6	5.1
S	1.1	3.3	3.3	1.1								8.9	6.9
SSW	3.1	5.0	5.6	.3								14.0	5.9
SW	1.8	2.7	1.7	.9								7.1	5.9
WSW	.8	1.5	1.7									4.0	5.7
W	3.7	1.7	1.0	.1								6.5	4.1
WNW	3.0	1.6	.1									4.8	3.1
NW	1.4	.8	.1									2.3	3.5
NNW	.4	2.3	1.1	.1								3.9	5.8
VARBL													
CALM												33.2	
	19.3	24.5	18.8	3.9	.3							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS

926

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAA

SURFACE WINDS

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

9483 STATION K I SA YFK AFB HI STATION NAME 87-78 YEARS JUL MONTH

ALL WEATHER CLASS

0000-0800 HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	3.0	4.0	3.3	.1							11.6	8.3
NNE	.8	1.4	1.7	.2								4.1	6.1
NE	.2	.4	.2									.9	4.5
ENE	.3	.4										.8	3.9
E	.5	.1	.1									.8	3.0
ESE	.1	.3	.2									.6	4.8
SE	.3	.2	.4									1.0	5.7
SSE	.2	.2	.6	.4								1.5	7.6
S	1.3	3.0	4.0	1.1								9.4	7.1
SSW	2.6	2.4	5.9	2.6								13.4	7.6
SW	1.6	2.4	1.9	.5								6.5	5.7
WSW	2.4	3.3	1.4									7.1	4.7
W	2.9	3.2	2.3	.2								8.6	5.1
WNW	1.4	1.9	1.0									4.3	4.8
NW	1.2	.4	1.1	.1								2.8	5.5
NNW	1.2	1.7	1.1	.1								4.1	5.5
VARBL													
CALM												27.7	
	18.2	24.5	25.9	8.6	.1							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94835 STATION K I SA-VEK AFB HI STATION NAME
 66-78 YEARS
 JUL MONTH
 0900-1100 HOURS (L.S.T.)
 ALL MONTHS CLASS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	MEAN WIND SPEED	
N	.5	1.7	4.0	4.3	.5							11.1	10.3
NNE	.5	3.0	4.0	1.0								9.1	7.8
NE	.6	1.8	2.5	.2								5.2	6.6
ENE	.3	1.9	1.0									3.2	5.7
E	.6	1.0	.5									2.2	4.4
ESE	.5	.9	.1									1.5	4.4
SE	.3	.4	.2	.1								1.1	5.4
SSE	.3	.4	.9	.6								2.4	5.1
S	1.3	2.0	3.9	2.0	.6							9.9	5.7
SSW	.8	1.7	5.1	5.3	.8							13.5	10.3
SW	.5	2.0	3.1	1.7	.1							7.5	5.4
WSW	.3	2.0	2.9	1.1	.2							6.6	5.0
W	.9	3.0	2.8	1.6	.1							5.4	7.9
WNW	.2	2.5	2.7	1.4		.1						6.9	5.4
NW	.0	.5	1.6	.6								3.4	7.7
NNW	.3	1.0	1.7	.1								3.1	4.9
VARBL													
CALM												4.5	
	8.8	26.0	36.9	20.9	2.4	.1						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94834 STATION K I SAWYER AFB MI STATION NAME 79-78 YEARS JUL MONTH
ALL WINDS CLASS 1500-1700 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.9	2.3	3.6	1.1							8.1	11.6
NNE		1.9	12.7	4.1								18.7	9.3
NE	.2	2.7	8.1	1.8								12.8	8.5
ENE	.6	2.8	1.8	.1								5.4	6.2
E	.1	1.3	.3	.1								1.8	5.9
ESE	.2	.4	.2	.2								1.1	7.1
SE	.1	1.0	.9	.2								2.2	7.0
SSE	.1	.3	1.4	1.0								2.8	9.9
S	.4	.9	2.8	3.8	.5	.1						8.5	10.7
SSW	.4	1.1	3.9	5.2	1.4							11.9	11.6
SW		1.0	2.7	1.7	.2							5.6	10.0
WSW	.1	1.1	2.6	2.0	.1							5.9	9.7
W	.2	.8	2.2	.9	.1							4.1	9.2
WNW	.2	.3	1.5	2.6	.2	.1						5.0	11.5
NW		.3	1.0	1.0		.1						2.4	11.0
NNW		.3	1.3	.8	.2							2.6	10.4
VARBL													
CALM												1.2	
	3.1	17.0	45.5	29.0	3.9	.3						100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

929

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836

K I SAWYER AFB HI

AUG-78

JUL

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1800-2000

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	2.7	4.5	3.0	.3							12.1	8.3
NNE	1.5	5.1	6.2	1.8		.1						14.7	7.3
NE	2.7	4.3	3.0	.2								10.2	5.4
ENE	.5	3.7	1.4	.1								5.7	5.4
E	1.3	1.5	.3									3.1	4.0
ESE	.4	.8	.2									1.4	4.5
SE	.4	.1	.9									1.4	5.8
SSE	.1	.9	2.4	.8								4.1	8.3
S	.4	.8	6.5	4.8	.3							12.8	10.5
SSW	.5	1.3	3.0	4.0	.4							9.3	10.2
SW	.6	1.0	1.6	1.6								4.8	8.3
WSW	.1	.8	1.7	.6								3.2	8.1
W	.4	.9	1.2	.4								2.9	7.0
WNW	.2	1.3	1.5	1.1								4.1	9.6
NW	.5	.4	1.6	.4	.1							3.1	8.1
NNW		.9	1.6	.9	.4							3.8	10.1
VARBL													
CALM												3.2	
	11.4	26.2	37.7	19.8	1.6	.1						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

929

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836 STATION K I SAWYER AFB MI 69-78 YEARS JUL MONTH
ALL WEATHER CLASS 2100-2300 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	4.0	3.2	2.6	1.3	.1							11.2	5.7
NNE	.9	1.5	1.4	.1								3.9	5.7
NE	1.0	.9	.5									2.4	4.2
ENE	.8	.3	.1									1.2	3.4
E	1.2	.5										1.7	2.9
ESE	.3	.5	.1									1.0	4.0
SE	.4	.8	.1									1.3	4.0
SSE	.6	.9	1.1	.1								2.7	6.1
S	2.3	4.6	5.6	3.5								16.0	7.4
SSW	1.4	4.2	4.7	1.7	.2							12.3	7.5
SW	1.9	1.6	1.7	.2								5.5	5.4
WSW	1.1	1.5	1.0									3.6	4.9
W	1.6	1.1	.5	.4								3.7	5.1
WNW	1.6	1.2	.6									3.5	4.3
NW	1.1	1.2	.4	.1	.1							2.9	5.2
NNW	1.4	.6	.8	.1								2.9	5.0
VARBL													
CALM												24.4	
	21.6	24.7	21.4	7.6	.4							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836
STATION

K I SAUYER AFB HI
STATION NAME

69-78
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.3	3.2	2.5	.4	.1						10.2	6.4
NNE	.7	2.4	4.2	1.5	.0	.6						8.8	8.0
NE	.7	1.5	2.5	.4								5.1	7.0
ENE	.4	1.3	.8	.0								2.5	5.6
E	.6	.8	.3	.0								1.6	4.3
ESE	.3	.5	.2	.0								1.0	5.1
SE	.3	.5	.5	.1								1.4	6.0
SSE	.4	.6	1.0	.5	.0							2.5	7.5
S	1.0	2.3	4.0	2.6	.3	.1						10.3	8.6
SSW	1.5	2.8	4.8	3.1	.6							12.8	8.7
SW	1.1	1.8	2.3	1.1	.1							6.4	7.3
WSW	.8	1.7	1.9	.7	.0							5.2	7.1
W	1.7	1.7	1.7	.8	.0							5.8	6.4
WNW	1.1	1.4	1.3	.9	.0	.0						4.8	7.2
NW	.8	.7	.9	.4	.0	.0						2.9	6.6
NNW	.6	1.0	1.1	.4	.1							3.2	7.1
VARBL													
CALM												15.2	
	13.8	23.3	30.7	15.2	1.7	.1						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 7427

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94835 STATION K I SAWYER AFB MI 59-78 YEARS AUG MONTH
 CLASS ALL WEATHER 0000-0200 HOURS (LST.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.5	3.2	1.7	1.0								8.4	5.8
NNE	.4	1.0	.9	.3								2.6	6.7
NE	.5	.5	.3									1.4	4.4
ENE	.3		.2									.5	4.4
E	.1	.1										.2	3.5
ESE	.3											.3	1.3
SE	.2	.4	.2									.9	5.1
SSE	.3	.4	.3	.2								1.3	6.7
S	2.2	3.9	4.3	1.4	.1							11.9	6.2
SSW	2.0	6.6	5.0	1.9	.1							15.6	6.9
SW	.5	2.7	2.0	.2								5.6	6.0
WSW	.6	1.1	.2	.1								2.0	4.6
W	2.4	1.4	.4	.2								4.4	4.1
WNW	1.7	1.5	.6									3.9	4.1
NW	1.4	1.5	.1	.2								3.2	4.3
NNW	1.4	1.0	.8									3.1	4.8
VARBL													
CALM												34.6	
	17.1	25.3	17.1	5.6	.2							100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 928

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94834
STATION

K I SAHYER AFB MI
STATION NAME

69-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.2	3.3	1.9	.5								8.0	5.7
NNE	.3	1.2	1.0									2.5	6.0
NE	.2	.8										1.0	4.3
ENE	.3	.1										.4	5.0
E	.1	.1										.2	3.0
ESE	.3											.3	2.3
SE	.2	.1										.3	3.0
SSE	.2	1.1	.9									2.2	6.0
S	1.9	3.9	3.3	.9	.1							10.2	6.4
SSW	2.7	5.9	3.8	1.0	.2							13.6	6.2
SW	2.4	2.6	2.3	.3								7.6	5.3
WSW	2.3	1.1	.9									4.2	4.3
W	1.4	2.1	.5									4.0	4.7
WNW	2.5	1.2	.8		.1							4.6	4.3
NW	1.1	1.1	.2	.1								2.5	4.7
NNW	1.1	1.2	.4	.4								3.1	5.3
VARBL													
CALM												35.3	
	19.3	25.7	16.0	3.2	.4							100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94838 STATION K I SAHNER AFB MI 59-78 YEARS AUG MONTH
0600-0800 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	2.2	4.0	1.1								9.3	6.9
NNE	.5	1.3	.9	.2								2.9	6.3
NE	.2	.4										.6	4.5
ENE	.3	.2	.3									.9	5.1
E	.2	.1										.4	2.5
ESE	.3	.2										.5	3.2
SE	.1	.5		.1								.8	5.7
SSE	.5	.9	.6									2.0	5.5
S	1.3	4.0	3.9	1.4								15.6	7.1
SSW	2.4	5.3	4.3	1.8								13.8	6.6
SW	1.6	2.6	2.4	.6								7.2	6.2
WSW	1.6	1.9	1.3	.3								5.2	5.4
W	2.8	3.2	1.2	.1								7.3	4.7
WNW	1.7	2.7	.8	.1								5.3	4.5
NW	1.3	1.8	1.1									4.2	4.8
NNW	.4	1.3	.4	.2								2.4	5.1
VARBL													
CALM												26.6	
	17.6	28.7	21.1	9.0								100.0	4.4

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/VAC

SURFACE WINDS

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

94854
STATION

K I SA-YFK AFB MI
STATION NAME

59-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	2.0	4.4	3.7	.1							10.8	9.2
NNE	.9	2.0	3.1	1.2								7.2	7.5
NE	.4	1.9	.8	.1								3.2	5.7
ENE	.3	.6	.1	.1								1.6	4.4
E	.3	.8	.2									1.7	4.3
ESE	.5	.6										1.2	3.3
SE	.2	.1	.2	.1								.6	6.5
SSE	.0	.5	1.1	.3								2.6	6.6
S	.6	1.6	3.7	3.0	.3							9.3	9.5
SSW	1.0	1.5	6.4	4.5	.4	.2						14.0	9.7
SW	.9	2.6	3.6	3.1	.2							10.3	8.8
WSW	1.3	2.6	3.8	1.7	.1							9.5	7.7
W	1.6	2.3	3.3	.6	.1							8.1	6.8
WNW	.3	2.7	2.2	.9		.1						6.1	7.5
NW	.6	1.9	2.4	.9	.1							5.9	7.7
NNW	.3	.6	1.7	.9	.1							3.7	8.5
VARBL													
CALM												4.2	
	11.4	24.5	36.8	21.2	1.5	.3						100.0	7.8

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94855

K I SAWYER AFB MI

59-78

AUG

STATION

STATION NAME

YEARS

MONTH

ALL AT THE

CLASS

1200-1400

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.5	4.4	3.9	.1							10.3	9.3
NNE	.4	1.6	6.4	2.5	.1							11.0	2.9
NE	.5	2.6	4.0	.5								7.6	7.0
ENE	.4	.9	.9	.2								2.4	6.4
E	.2	1.5	.6	.1								2.5	5.8
ESE	.3	.3	.3									1.0	5.0
SE	.1	.3	.5	.2								1.2	7.2
SSE	.1	.8	1.1	.5								2.5	8.6
S	.5	1.4	4.1	4.4		2						11.1	10.6
SSW	.2	1.4	3.8	4.0	1.0	.3						11.5	12.0
SW	.5	.8	4.3	3.3	.3	.2						9.5	10.5
WSW	.6	1.5	3.8	2.4	.4	.1						8.8	9.5
W	.4	1.2	2.6	1.2		.1						5.5	8.5
WNW	.4	1.3	2.5	1.8	.1							6.1	9.0
NW	.3	.9	2.0	1.0	.1							4.3	9.0
NNW	.1	.8	.9	1.3	.1							3.1	10.2
VARBL													
CALM												1.6	
	5.8	18.6	42.1	27.3	3.6	1.0						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836

K I SA-YFK AFB HI

69-78

AUG

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.9	4.1	3.0	.4							8.7	10.2
NNE	.4	3.1	6.0	4.3								15.8	8.6
NE	.6	3.2	8.2	1.2								13.2	7.6
ENE	.5	1.8	2.6	.3								5.4	6.6
E	.1	.6	.3									1.1	5.2
ESE	.3	.6	.4									1.4	5.6
SE		.6	.5									1.2	6.5
SSE	.3	.5	1.7	.8								3.3	8.5
S	.2	1.3	2.6	6.7	.8	.5						12.1	12.3
SSW	.3	1.4	4.1	4.1	.6	.1						10.7	15.7
SW	.1	.5	2.2	2.9	.3							6.0	11.0
WSW	.4	1.3	2.4	2.2	.6	.1						7.0	10.5
W	.5	.5	1.8	1.1	.1							4.1	8.9
WNW	.1	.3	1.8	1.9								4.2	10.5
NW	.1	.2	1.1	1.4								2.8	10.7
NNW		.4	1.1	.5	.1							2.2	9.8
VARBL													
CALM												.9	
	4.6	17.5	42.8	30.4	3.0	.5						100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

929

GLOBAL CLIMATOLOGY BRANCH
USAF-TAC
AIR WEATHER SERVICE/PAC

SURFACE WINDS

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

94830 STATION K I SAWYER AFB HI 42-78 ELEV 1000-2000
 ALL WINDS CLASS MONTH (L.S.T.)

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	2.0	3.3	4.0	1.0	.1							11.9	7.3
NNE	1.4	4.7	4.5	1.2								11.8	6.0
NE	2.0	5.4	3.2	.1								10.8	5.5
NNE	2.0	3.0	1.2									6.2	4.6
E	1.4	1.2	.2									2.8	3.8
ESE	.5	.4										1.0	3.3
SE	.5	1.1	.5									2.2	5.0
SSE	.5	1.0	2.3	.6								4.5	7.7
S	1.0	1.5	5.6	6.0	.4	.1						14.6	10.2
SSW	.2	1.7	3.4	2.6	.4	.2						6.6	9.9
SW	.5	.6	1.9	1.0	.1							4.2	8.6
WSW	.3	.6	1.1	.6	.1							2.8	5.3
W	1.0	.9	.9	.1	.2							3.0	5.2
WNW	.3	.8	1.7	.4								3.2	7.5
NW	.3	.8	2.2	1.1								4.3	8.7
NNW	.4	.3	1.0	.6		.1						2.5	8.7
VARB.												5.5	
CALM													
	14.6	27.3	34.3	16.4	1.4	.4						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94826
STATION

K I SAWYER AFB HI
STATION NAME

57-78
YEARS

AUG
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	3.6	3.6	2.5	.2								9.8	5.1
NNE	1.0	1.0	.6									3.2	4.6
NE	1.0	.6	.3									1.9	4.1
ENE	.2	.4	.1									.8	4.3
E	1.3	.3	.1									1.7	2.9
ESE		.4	.2									.6	5.3
SE	.8	.4	.5	.1								1.8	5.4
SSE	1.0	1.2	.9	.1								3.1	5.0
S	2.4	4.6	6.0	3.4	.5							17.0	7.9
SSW	1.3	4.4	4.8	2.5								13.0	7.6
SW	1.0	1.5	1.2	.2								3.9	5.9
WSW	1.0	.9	.1									1.9	3.6
W	2.0	.9	.4	.1								3.4	4.0
WNW	.9	1.0	.9	.1								2.8	5.5
NW	1.5	1.1	.2									2.8	3.6
NNW	1.3	1.7	.4									3.4	4.2
VARBL													
CALM												28.6	
	20.6	24.0	19.5	6.8	.5							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS

928

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836
STATIONK I SAWYER AFB MI
STATION NAME59-78
YEARSAUG
MONTHALL WEATHER
CLASSALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	2.5	3.5	1.9	.1							9.7	7.6
NNE	.7	2.0	3.2	1.2	.0							7.1	7.6
NE	.7	1.9	2.1	.2								5.0	6.4
ENE	.6	.9	.7	.1								2.3	5.4
E	.5	.6	.2	.0								1.3	4.3
ESE	.3	.3	.1									.8	4.1
SE	.3	.5	.3	.1								1.1	5.7
SSE	.5	.6	1.1	.3								2.7	7.0
S	1.3	2.8	4.2	3.4	.3	.1						12.1	8.9
SSW	1.3	3.5	4.4	2.8	.5	.1						12.6	8.5
SW	1.0	1.7	2.5	1.5	.1	.0						6.8	8.0
WSW	1.0	1.4	1.7	.9	.2	.0						5.2	7.6
W	1.5	1.5	1.4	.4	.1	.0						5.0	6.1
WNW	1.0	1.4	1.4	.7	.0	.0						4.5	6.7
NW	.8	1.2	1.2	.6	.0							3.8	6.9
NNW	.6	.9	.8	.5	.0	.0						2.9	7.1
VARBL													
CALM												17.1	
	13.9	24.0	28.7	14.6	1.3	.3						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

7426

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836
STATION

K I SAWYER AFB MI
STATION NAME

1-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	1.8	2.0	1.7		.1						7.1	7.5
NNE	.1	.9	.2	.4								1.7	7.5
NE	.3	1.2	.3	.3								2.2	5.9
ENE	.1	.3	.2									.7	5.7
E	.2	.2	.3	.2								1.0	7.3
ESE	.2	.6	.3	.2								1.3	7.0
SE	.1	.8	.4	.2								1.6	7.4
SSE	.4	1.0	1.1	1.0								3.6	8.4
S	1.4	3.3	5.1	1.9	.4							12.2	8.0
SSW	2.7	3.4	4.0	1.9								12.0	7.0
SW	1.7	2.3	1.6	.7								6.2	5.9
WSW	1.1	1.8	.9	.4								4.2	6.1
W	2.8	2.3	.7	.1								5.9	4.3
WNW	1.3	1.6	1.1	.4								4.4	5.9
NW	1.7	2.6	.9	.1								5.2	5.1
NNW	1.1	1.2	1.4	.2								4.0	5.9
VARBL													
CALM												26.7	
	16.9	25.3	20.7	9.9	.4	.1						100.0	4.9

TOTAL NUMBER OF OBSERVATIONS

900

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

94836
STATION

K I SAUFER AFB MI
STATION NAME

59-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	2.6	2.4	1.3	.2	.1						7.5	8.2
NNE	.6	1.0	1.2	.2								3.0	6.6
NE		.1	.3	.2								.7	8.8
ENE		.3		.2								.6	8.4
E	.1	.3	.4									.9	6.8
ESE	.2	.4	.2	.1								1.0	6.3
SE	.3	.3	.2									.9	4.9
SSE	.8	1.0	.9	1.4								4.1	8.1
S	.6	2.8	3.9	2.1	.3	.1						9.8	8.7
SSW	.6	4.6	4.2	2.7								12.0	7.9
SW	1.4	2.0	1.7	.4								5.6	5.9
WSW	1.1	1.9	1.3	.1								4.4	5.7
W	2.3	3.1	.7	.1	.1							6.3	4.6
WNW	1.7	2.9	1.1	.4								6.1	5.6
NW	1.1	1.6	1.6	.6								4.8	6.4
NNW	1.2	2.1	1.0	.2								4.6	5.5
VARBL													
CALM												27.8	
	12.8	27.0	21.2	10.2	.7	.2						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 899

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

94836
STATION

K I SAWYER AFB MI
STATION NAME

67-78
YEAR

SEP
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	1.7	3.9	2.1	.2	.1						8.9	8.8
NNE	.2	.8	2.1	.1								3.2	7.7
NE	.3	.2	.4									1.0	5.7
ENE	.3	.6	.3									1.2	5.7
E	.3	.6	.2									1.1	4.8
ESE	.2	.8	.3	.1								1.4	6.2
SE			.3									.3	8.3
SSE	.2	1.0	.9	1.								3.6	8.7
S	.8	1.6	4.0	2.7	.4	.1						9.6	9.8
SSW	1.7	4.3	4.6	1.9	.4							12.9	7.6
SW	1.2	2.4	1.9	.6	.1							6.2	6.6
WSW	.8	1.6	1.2	.3								3.9	6.1
W	1.7	3.2	1.9	.2								7.0	5.5
WNW	1.3	3.2	1.7	.1								6.3	5.6
NW	1.1	1.3	1.1	.7	.1							4.3	7.1
NNW	1.0	1.2	1.4	.4								4.1	6.6
VARBL													
CALM												24.9	
	12.1	24.4	26.3	10.7	1.3	.2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

900

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94834
STATION

K I SAWYER AFB MI
STATION NAME

69-78
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	2.4	5.2	3.9	.3							12.9	9.1
NNE	1.2	1.6	2.6	1.0								6.3	7.2
NE	.3	.8	.6	.4								2.1	7.1
ENE	.8	.3	.2	.1								1.4	4.2
E	.2	.7	.6									1.4	6.0
ESE	.1	.8	.8	.4								2.1	7.9
SE	.2	.4	.2	.2								1.1	6.1
SSE	.2	.7	1.0	.7	.1	.1						2.8	9.4
S	.6	1.9	2.9	5.4	1.3	.1						12.2	11.1
SSW	1.1	1.8	4.0	5.1	.7							12.7	10.1
SW	.7	2.2	3.0	2.3	.4							8.7	9.1
WSW	.7	2.1	1.6	1.4	.4							5.2	8.8
W	.6	1.7	2.8	.6	.1							5.9	7.9
WNW	.9	1.7	2.9	.6	.3							6.3	7.7
NW	.6	.7	1.3	1.8	.4							4.8	9.9
NNW	.9	1.6	3.3	2.3	.1							8.2	8.8
VARBL													
CALM												4.8	
	10.0	21.2	32.9	26.6	4.3	.2						100.0	8.5

TOTAL NUMBER OF OBSERVATIONS: 900

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836
STATION

K I SAWYER AFB MI
STATION NAME

67-78
YEAR

SEP
MONTH

ALL WINDS
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.0	5.7	4.4	.9	.1						12.4	10.6
NNE	.6	2.8	5.8	1.6								10.7	8.2
NE	.4	1.4	2.1	.7								4.7	7.3
ENE	.3	1.7	.6	.1								2.7	5.8
E	.4	.9	.2									1.6	4.5
ESE	.3	.7	.8	.2								2.0	6.9
SE	.2	.3	.6	.1								1.2	6.6
SSE	.1	.9	.8	1.4	.1	.1						3.4	10.2
S	.2	1.2	4.0	5.2	2.6	.7						13.9	12.7
SSW	.6	1.4	3.8	5.4	1.3	.4						13.0	12.0
SW	.2	.7	2.6	1.8	.4	.1						5.8	10.3
WSW	.6	1.4	1.9	1.1	.3	.2						5.6	9.0
W	.6	1.0	3.4	1.4	.2							6.7	9.1
WNW	.1	1.1	2.2	1.9	.2							5.5	10.0
NW		.4	1.8	1.9	.2							4.3	10.6
NNW	.2	1.1	2.1	1.6	.2							5.2	9.6
VARBL													
CALM												1.3	
	5.2	18.1	38.2	28.9	6.6	1.7						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/PAC

SURFACE WINDS

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

94836 K I SA'YER AFB MI 69-78 SEP
STATION STATION NAME YEARS MONTH

ALL WEATHER CLASS 1500-1700
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.9	4.7	4.4	.4							11.9	10.0
NNE	.3	2.9	7.5	2.2	.1							13.0	8.6
NE	.2	3.2	5.3	.6								9.3	7.4
ENE	.2	2.1	1.2	.1								3.7	6.1
E		.8	.7	.1								1.6	6.9
ESE	.2	.3	.6	.2		.1						1.4	8.3
SE	.3	.8	.4	.3	.1							2.0	7.8
SSE	.1	.6	2.6	1.8	.4							5.5	10.7
S	.1	1.1	2.8	5.1	1.7	.6						11.3	12.9
SSW	.3	1.0	2.8	4.0	1.0	.1						9.2	11.7
SW	.1	.7	3.0	3.2	.6	.3						7.9	11.8
WSW	.1	.9	1.7	1.6		.2						4.4	10.3
W	.4	.6	1.8	1.2	.2							4.2	9.7
WNW	.2	.8	2.2	1.5	.8	.1						5.9	10.7
NW		.7	1.4	1.3	.2							3.7	10.5
NNW	.1	.6	2.0	1.2	.1							4.0	9.6
VARBL													
CALM												.9	
	3.3	18.8	40.6	29.3	5.7	1.4						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

9.836
STATION

K I SAUER AFB HI
STATION NAME

59-78
YEARS

SEP
MONTH

ALL RE THE
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.9	3.1	3.2	2.7	.3							11.2	7.8
NNE	1.0	4.4	4.8	1.0								11.8	6.6
NE	1.9	4.3	1.3									7.6	4.7
ENE	1.4	1.3	.2									3.0	3.7
E	.9	.9	.2									2.0	4.0
ESE	.4	.7	.6	.1								1.8	5.3
SE	.7	1.0	.4	.4	.1							2.7	6.8
SSE	.3	1.6	2.2	1.2	.2							5.8	6.6
S	.2	2.0	4.0	0.6	.9	.3						14.0	11.3
SSW	.4	1.7	3.6	2.0	.1							7.3	9.1
SW	.8	1.9	2.0	1.1								5.8	7.5
WSW	.3	1.3	.8	.2	.1	.1						2.9	7.2
W	.6	1.2	1.1	.4		.1						3.4	7.5
WNW	.4	1.0	1.8	1.4								4.7	9.0
NW	1.0	1.7	2.0	.6								5.2	6.6
NNW	.3	1.0	1.1	.9								3.3	7.6
VARBL													
CALM												7.0	
	13.2	29.4	29.4	18.7	1.8	.3						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

899

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/4AC

SURFACE WINDS

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

STATION 94835 STATION NAME K I SAWYER AFB MI YEARS 57-78 MONTH SEP
 CLASS ALL WEATHER HOURS (L.S.T.) 2100-2300
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.9	2.6	2.2	2.0								8.7	7.3
NNE	.6	.8	.9	.1	.2							2.6	7.0
NE	.6	1.3	.2	.3								2.4	5.7
ENE	1.0	.8	.2									2.0	3.9
E	.9	.3	.2	.2								1.7	5.1
ESE	1.0	.9										.9	3.5
SE	.2	1.0	1.3	.2								2.8	7.0
SSE	.4	1.3	1.0	1.0	.1							3.9	8.1
S	1.4	3.2	4.8	4.2	.8							14.4	9.0
SSW	1.4	2.7	4.0	2.2	.1							11.0	7.9
SW	.7	2.0	1.7	.6	.1							5.0	7.0
WSW	.2	1.6	.7	.1	.1							2.7	6.3
W	1.9	2.2	1.0	.3	.1							5.6	5.4
WNW	1.7	1.3	.9	.3								4.2	5.2
NW	.9	2.1	1.1	.4								4.6	6.0
NNW	.4	1.3	1.3	.4								3.6	6.6
VARBL													
CALM												23.1	
	15.2	25.4	22.1	12.6	1.6							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94805 K I SAUFER AFB MI 69-78 SEP

STATION STATION NAME YEARS MONTH

ALL WINDS ALL

CLASS HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	2.1	3.7	2.8	.3	.1						10.1	8.8
NNE	.6	1.9	3.1	.8	.0							6.5	7.6
NE	.5	1.6	1.3	.3								3.8	6.4
ENE	.5	.9	.4	.1								1.9	5.1
E	.4	.6	.4	.1								1.4	5.5
ESE	.3	.6	.4	.2		.1						1.6	6.4
SE	.3	.6	.5	.2	.0							1.6	5.9
SSE	.3	1.0	1.3	1.3	.1	.1						4.1	9.1
S	.7	2.1	3.9	4.2	1.1	.7						17.2	15.5
SSW	1.1	2.6	3.9	3.2	.5	.1						11.3	9.1
SW	.8	1.8	2.2	1.3	.2	.1						6.4	8.2
WSW	.6	1.6	1.3	.7	.1	.1						4.3	7.6
W	1.3	1.9	1.7	.6	.1	.1						5.6	6.6
WNW	1.0	1.7	1.7	.9	.2	.0						5.4	7.5
NW	.8	1.4	1.4	.9	.1							4.6	7.6
NNW	.7	1.3	1.7	.9	.1							4.6	7.7
VARBL													
CALM												14.6	
	11.1	23.7	28.9	18.3	2.8	.6						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 7197

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 94834 STATION NAME K I SAVER AFB MI YEARS 49-78 MONTH JCT
 CLASS ALL WEATHER MONTHS (L.S.T.) 0000-0200
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.2	1.4	2.7	1.5	.3	.1						7.7	8.7
NNE	.3	.5	1.8	.4	.1							3.2	8.2
NE	.5	.3	.6	.5								2.0	7.7
ENE	.2	.4		.1								.8	5.4
E	.5	.1	.1									.8	7.1
ESE	.1	.4	.3	.1								1.0	6.2
SE		.1	.2	.8								1.1	11.5
SSE		.3	.9	.2								1.4	8.6
S	2.2	2.8	3.9	4.4	1.0	.2						14.4	9.4
SSW	2.9	6.0	5.8	3.3	.6	.3						19.1	8.0
SW	.6	2.6	1.7	1.9		.2						6.1	7.7
WSW	1.0	1.1	.3	.3								2.7	5.5
W	1.1	2.8	1.1	.3	.2							5.5	6.1
WNW	1.9	2.3	1.4	.8								6.4	6.0
NW	1.5	2.3	1.6	.8		.1						6.2	6.5
NNW	1.3	1.5	.9	1.0								4.6	6.5
VARB													
CALM												17.5	
	15.4	25.0	23.4	15.5	2.3	1.0						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 928

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836
STATION

K I SA-YER AFB MI
STATION NAME

69-78
YEARS

JCT
MONTHS

ALL WFTHER
CLASS

0300-0500
HOURS U.T.C.

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.9	2.3	.6	.6	.1						6.6	8.2
NNE	.4	.0	1.5	.5	.1							3.2	7.8
NE	.1	.5	.9	.4	.1							2.0	9.1
ENE	.1	.3		.3								.8	7.6
E	.1	.1	.2									.4	6.0
ESE	.2	.4	.4									1.1	5.6
SE	.1	.2	.1	.3	.2							1.0	10.6
SSE		.4	.8	.4	.1							1.7	10.0
S	1.3	2.4	4.3	4.6	.8	.1						13.5	9.6
SSW	2.2	5.2	5.0	2.9	1.1	.2						16.5	8.2
SW	.6	1.8	2.4	.4	.3							5.6	7.7
WSW	.6	2.0	.6	.3	.2							3.9	6.6
W	3.1	2.6	1.2	.1	.1							7.1	4.4
WNW	1.7	2.0	1.3	.9								5.9	6.0
NW	1.4	2.2	1.8	.6								5.0	6.4
NNW	1.0	2.6	1.8	.4	.2							6.0	6.7
VARBL													
CALM												18.7	
	14.0	25.4	24.5	13.0	3.9	.4						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94835
STATION

K I SA-YER AFO KI
STATION NAME

59-78
YEARS

LY
MONTH

ALL WEATHER
CLASS

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

COUNTRY

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.4	2.9	1.0	1.0							7.7	5.7
NNE	.3	.5	2.0	.3	.1	.1						3.4	5.7
NE	.3	.8	.6	.4								2.2	7.1
ENE	.2	.1		.3								.6	5.5
E	.3	.1	.3									.8	5.0
ESE		.1	.3	.1								.5	3.6
SE		.3	.1	.2	.3							1.0	11.4
SSE	.2	.3	.4	1.0	.1							2.2	9.5
S	1.4	2.4	4.0	4.8	.5	.1						13.2	9.3
SSW	3.2	5.1	5.4	3.8	.8	.3						18.5	8.4
SW	1.2	1.1	1.8	1.1	.1	.1						5.4	7.6
WSW	.9	1.0	.8	.5	.3							3.4	7.6
W	2.0	3.1	1.0	.4								6.6	5.0
WNW	1.5	2.3	1.2	.5								5.5	5.6
NW	1.5	1.3	1.2	1.0								5.1	6.2
NNW	1.6	1.9	1.6	.5	.1							5.8	6.2
VARBL													
CALM												18.2	
	15.6	21.7	23.7	16.9	3.3	.6						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 930

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836 STATION K I SAWYER AFB MI STATION NAME 69-78 YEARS 001 MONTH
 ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	2.3	2.6	3.4	1.2	.1						10.6	10.3
NNE	.8	1.3	2.2	1.1	.2							5.5	8.3
NE	.6	.4	1.2	1.0								3.2	8.3
ENE	.1	.3	.5									1.0	6.9
E	.3	.3	.3									1.0	4.7
ESE	.6	.3	.1	.1								1.2	4.7
SE		.6	.3	.3	.3							1.6	10.5
SSE	.3	.3	1.6	1.0	.2							3.4	9.8
S	.9	2.2	4.1	7.0	.4	.3						14.8	10.7
SSW	1.0	2.3	4.3	4.5	1.8	.3						14.2	10.8
SW	1.0	1.1	2.9	3.1	.5	.2						8.8	10.1
WSW	1.0	1.0	1.8	.6	.1							4.5	7.2
W	1.6	2.6	2.7	1.7	.1							8.7	7.4
WNW	.5	1.3	1.5	1.1	.2							4.6	8.7
NW	.2	1.1	1.7	1.7	.2							4.9	9.6
NNW	.8	1.2	2.4	1.5	.2							6.0	8.9
VARBL													
CALM												5.8	
	10.5	18.5	30.4	28.2	5.6	1.0						100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 930

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836 STATION K I SAWYER AFB MI STATION NAME 67-78 YEARS GCT NORTH
 ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.9	3.4	4.7	1.0	.1						11.7	10.8
NNE	1.0	1.6	2.7	1.6	.6	.2						7.6	9.3
NE	.4	1.0	1.4	.6	.1							3.5	8.4
ENE	.2	1.2	.3									1.7	5.0
E	.8	.4										1.2	3.1
ESE	.2	.6	.2									1.1	5.1
SE	.1	.3		.5	.1							1.1	10.4
SSE	.8	.9	1.3	1.6	.3							4.8	9.4
S	.6	1.5	4.6	8.1	2.2	.8	.1					17.8	12.4
SSW	.3	1.2	3.3	5.6	2.4	.6						13.4	12.9
SW	.1	1.1	1.9	1.7	.6							5.5	10.4
WSW		.9	2.3	2.3	.1	.1						5.6	10.9
W	.3	1.3	2.0	2.0	.3							6.0	9.7
WNW	.1	.9	1.9	2.4	.3	.1						5.7	10.7
NW	.4	.8	1.9	2.2	.3	.2						5.8	10.9
NNW	.4	.8	1.7	1.6	.5							5.1	10.2
VARBL													
CALM												2.3	
	6.3	16.2	29.0	34.9	8.9	2.2	.1					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS 930

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836 STATION K I SAWYER AFB HI STATION NAME 64-78 YEARS JCT MONTH 1500-1700 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	1.3	3.1	3.4	.8							9.3	10.2
NNE	.4	1.5	5.3	2.9	.1							10.2	9.3
NE	1.1	1.3	3.2	1.0								6.6	7.4
ENE	.4	.6	.6									1.7	5.3
E	.5	.3		.1								1.0	4.1
ESE	.2	.2	.1									.5	4.8
SE		.5	.8	.2								1.5	7.2
SSE	.4	2.0	1.8	2.0	.2	.1	.1					6.8	7.6
S	.6	.9	4.6	9.3	2.3	.9	.1					18.6	12.9
SSW	.3	.6	2.0	5.1	1.7	.3						10.1	13.3
SW	.2	1.1	2.9	2.3								6.5	9.6
WSW	.1	1.0	1.4	1.4	.3							4.2	10.4
W	.5	1.1	1.4	2.3	.1							5.4	9.1
WNW	.1	.8	1.4	1.3	.6	.1	.1					4.4	11.3
NW	.1	1.1	1.7	2.3	.3	.1						5.6	10.3
NNW	.1	.5	1.4	3.3	.4							5.8	11.7
VARBL													
CALM												1.8	
	5.9	14.9	31.9	36.8	6.9	1.5	.3					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

929

2
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836
STATION

K I SAWYER AFB MI
STATION NAME

59-78
YEARS

UCT
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.8	2.3	2.3								7.9	7.8
NNE	.8	1.9	2.9	1.2								6.8	7.9
NE	1.5	2.0	1.8	.3								5.7	5.8
ENE	1.1	.5	.2	.1								1.9	3.9
E	.9	.9	.2	.1								2.0	4.6
ESE	.3	.6	.1									1.1	4.5
SE	.5	.6	.2	.2								1.6	5.7
SSE	.4	2.4	2.5	1.2	.1	.1						6.7	7.8
S	.5	3.8	5.0	7.9	2.3	.3						19.7	11.1
SSW	.9	1.9	3.4	3.3	.3							9.9	9.4
SW	.8	1.5	1.0	.8	.1							4.1	7.1
WSW	.3	1.3	1.1	.3								3.0	6.9
W	1.2	1.1	1.5	.5								4.3	6.3
WNW	.6	1.3	2.2	.1	.1	.1						4.4	7.5
NW	.2	1.2	1.5	1.1	.1							4.1	8.8
NNW	1.1	2.4	2.4	1.7	.5	.1						8.2	8.3
VARBL													
CALM												8.6	
	12.6	25.3	28.2	21.1	3.6	.6						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

929

2 GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

94836 K I SAWYER AFB MI

69-78

OCT

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

2100-2300

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.6	1.6	1.6	1.9	.4							7.2	8.3
NNE	.6	1.3	1.9	.5								4.4	7.1
NE	.4	.8	.2	.6	.1							2.2	8.5
ENE	.1	.1	.2	.2								.6	8.0
E	.6	.4	.2									1.3	4.4
ESE		.3	.2									.5	6.0
SE	.3	.6	.5	.3								1.8	6.9
SSE	1.0	1.0	.6	.4	.1	.2						3.3	7.9
S	1.1	3.9	4.8	6.3	.5	.3						17.0	10.0
SSW	2.0	3.5	5.9	3.9	.5	.2						16.1	8.5
SW	1.1	2.2	2.0	1.5								6.8	7.4
WSW	1.2	1.3	.4	.1								3.0	4.9
W	.4	2.7	.9	.5		.1						4.6	6.6
WNW	1.0	1.6	1.4	.5								4.5	6.1
NW	.5	2.3	1.5	.6		.1						5.1	7.4
NNW	.4	2.3	1.7	1.6	.1							6.1	8.1
VARBL													
CALM												15.4	
	12.5	25.8	24.3	19.2	1.8	1.0						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

930

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 94835 STATION NAME K I SAWYER AFB MI YEARS 69-78 MONTH OCT
 CLASS ALL WEATHER MONTH ALL
 CONDITION _____
 HOURS (L.S.T.) _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.7	2.6	2.5	.7	.1						8.5	9.4
NNE	.6	1.2	2.5	1.1	.2	.0						5.6	8.5
NE	.6	.9	1.3	.6	.0							3.4	7.5
ENE	.3	.5	.2	.1								1.1	5.7
E	.5	.3	.2	.0								1.0	4.3
ESE	.2	.4	.2	.0								.9	5.5
SE	.1	.4	.3	.4	.1							1.3	8.9
SSE	.4	1.0	1.2	1.0	.1	.1	.0					3.8	9.0
S	1.1	2.5	4.4	6.6	1.2	.4	.0					16.1	10.8
SSW	1.6	3.2	4.4	4.0	1.2	.3						14.7	9.6
SW	.7	1.5	2.1	1.5	.2	.1						6.1	8.6
WSW	.6	1.2	1.1	.7	.1	.0						3.8	7.9
W	1.3	2.2	1.5	1.0	.1	.0						6.0	6.8
WNW	.9	1.5	1.5	.9	.2	.0	.0					5.2	7.6
NW	.8	1.5	1.6	1.3	.1	.1						5.4	8.2
NNW	.8	1.6	1.7	1.5	.3	.0						6.0	8.3
YARBL													
CALM												11.0	
	11.6	21.6	26.9	23.2	4.5	1.0	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 7435

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

STATION 94836 STATION NAME K I SA 'YER AFB MI YEARS 69-78 MONTH NOV
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-0200
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.0	2.7	2.4	.3	.0						7.2	11.8
NNE	.2	1.0	2.1	1.8	.4	.1						5.7	10.3
NE	.4	.4	.8	.7	.2							2.1	8.1
ENE		.3	.6	.1								1.0	7.6
E	.2	.4	.4									1.1	6.0
ESE	.6	.4	.1									1.1	3.6
SE	.3	.9	.7	.1								2.0	5.9
SSE	.7	.8	1.6	.2	.1							3.3	7.2
S	1.1	2.0	3.6	2.2	.9							9.8	9.0
SSW	1.8	3.7	3.3	1.7	.4							10.9	7.4
SW	1.1	2.0	.7	1.2	.2	.2						5.4	7.7
WSW	1.6	2.7	1.0	.3								5.6	5.4
W	1.9	5.4	3.7	.4								11.4	5.8
WNW	.8	2.9	3.2	.7								7.6	6.6
NW	1.1	1.7	2.4	.8	.3							6.3	7.6
NNW	.3	1.4	2.6	1.2	.1	.1						5.8	8.9
VARBL													
CALM												13.7	
	12.1	27.1	29.3	13.4	3.1	1.2						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836
STATION

K I SAWYER AFB MI
STATION NAME

59-78
YEARS

NO.
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (LST.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.7	3.6	3.0	.4	.6						9.4	10.9
NNE	.1	.7	.9	1.4	.7							3.8	11.5
NE	.2	.2	1.0	.8	.4							2.7	10.7
ENE	.2	.4	.2	.3								1.2	6.9
E	.3	.1	.1									.6	4.4
ESE	.4	.6	.1	.1								1.2	5.0
SE	.2	.4	.7	.4								1.8	8.3
SSE	.3	1.2	.7	.3								2.6	6.4
S	1.3	1.6	2.1	1.9	1.3	.1						8.3	10.0
SSW	1.8	5.4	3.7	1.6	.4	.1						13.0	7.1
SW	1.4	1.3	1.7	.6			.1					5.1	6.8
WSW	1.2	2.6	1.1		.1		.1					5.1	5.9
W	2.2	4.9	2.9	.6								10.6	5.8
WNW	1.2	3.3	2.1	.6								7.2	6.3
NW	.3	2.4	2.9	.8	.3							6.8	7.9
NNW		1.7	3.0	.9	.2							5.8	8.7
VARBL													
CALM												14.9	
	11.7	28.6	26.7	13.2	4.0	.8	.2					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836
STATION

K I SAWYER AFB MI
STATION NAME

59-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	3.6	2.6	.9	.4						8.6	11.4
NNE	.2	1.1	1.0	1.0	.6	.2						4.9	11.3
NE	.6	1.4	.4	.7	.3							3.4	7.6
ENE	.2	.3	.3	.1								1.0	6.6
E	.3	.7										1.0	3.9
ESE	.2	.2	.2									.7	4.7
SE	.1	.4	.4	.0								1.6	8.8
SSE	.3	.7	.8	.8	.1	.1						2.8	9.2
S	1.0	3.4	1.9	2.0	.2	.3						8.9	8.3
SSW	2.9	4.4	2.1	2.2	.8	.1						12.6	7.3
SW	1.2	2.1	1.4	.9								5.7	6.3
WSW	.8	3.1	1.3	.2	.3							5.8	6.4
W	1.4	4.4	3.1	.3								9.3	5.9
WNW	.9	2.2	2.0	.2								5.3	6.4
NW	.8	2.2	2.7	.9	.3							6.9	7.7
NNW	.4	1.2	2.1	1.2	.3	.1						5.4	9.3
VARBL													
CALM												16.2	
	11.9	28.8	23.4	14.4	3.9	1.3						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

900

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

94830 STATION K I SAWYER AFB HI STATION NAME 69-78 YEARS NOV MONTH
ALL WEATHER CLASS 0900-1100 HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	1.0	3.6	2.9	.9	.2						8.9	11.1
NNE	.6	.6	1.7	1.5	.3	.1						5.0	10.1
NE	.2	1.2	.6	.9	.1							3.2	8.8
ENE	.7	.2	.9									1.8	5.8
E	1.0	.7	.4									2.1	4.6
ESE	.2	.6										.8	4.3
SE			.9	.2								1.1	9.5
SSE	.6	.8	.6	1.0	.2							3.1	9.1
S	.4	2.3	2.8	2.1	.9	.5						8.9	10.2
SSW	1.2	2.9	5.0	2.9	.8							12.8	8.8
SW	1.3	1.6	2.6	1.2	.2							6.9	7.7
WSW	.7	1.9	2.2	.6		.1						5.5	7.1
W	1.8	3.1	3.9	.9	.3							10.0	7.1
WNW	.6	1.6	3.5	1.2	.3							7.3	8.3
NW	.4	2.0	4.0	1.4	.2							8.1	8.4
NNW		1.0	3.2	2.0	.3	.2						6.8	10.7
VARBL													
CALM												7.6	
	10.2	21.4	36.0	19.2	4.7	1.0						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS 898

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94856

K I SAWYER AFB MI

57-76

NOV

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1200-1400

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.4	3.2	4.2	.7	.3						10.8	10.9
NNE	.1	1.0	2.0	2.3	.2	.1						5.8	10.7
NE	.1	.4	1.2	1.0	.2							3.0	10.2
ENE	.4	.7	.3	.1								1.6	5.2
E	.4	.9	.4									1.8	5.3
ESE	.1	.4	.1									.7	5.3
SE		.4	.6									1.0	7.0
SSE	.2	1.0	.9	.7	.6							3.3	10.1
S	1.3	2.7	3.6	3.2	1.6	.2	.1					12.7	10.1
SSW	.4	2.2	4.0	5.0	.7	.2						12.6	10.5
SW	.4	1.7	2.1	2.0	.1	.2						6.6	9.6
WSW	.2	1.0	2.2	1.0	.3							4.8	9.2
W	1.0	1.9	4.2	1.7	.2	.2						9.2	8.5
WNW	.6	2.1	2.4	1.7	.2							7.0	9.0
NW	.2	.9	3.2	2.6	.8	.1						7.6	10.3
NNW	.3	1.3	3.0	2.7	.8	.1						8.2	10.8
VARBL													
CALM												3.6	
	6.9	20.1	33.6	28.1	6.1	1.6	.1					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

900

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94835
STATION

K I SAWYER AFB HI
STATION NAME

69-78
YEARS

NDV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	2.0	4.8	3.8	.8	.3						12.3	10.3
NNE	.3	1.7	1.4	2.0	.6	.1	.1					6.8	10.6
NE	.2	1.6	1.0	1.1	.1							4.0	8.1
ENE	.5	.6		.1								1.2	4.4
E	.3	.9										1.2	4.0
ESE	.0	.2										1.0	2.3
SE		.2	.4	.2								.9	8.6
SSE	1.4	1.6	1.3	.1								4.5	5.6
S	.8	3.3	4.0	3.1	1.4	.2	.2					13.2	10.1
SSW	.7	2.2	3.5	3.1	.3							9.8	9.3
SW	.7	1.7	1.8	1.1	.1	.1	.1					5.6	8.8
WSW	.3	1.9	2.5	1.3								6.0	8.1
W	.7	2.5	3.1	1.8	.3							8.4	8.6
WNW	.4	.8	3.1	1.3	.3	.1						6.1	9.7
NW	.2	1.8	1.9	2.8	.6							7.2	10.0
NNW	.2	1.3	3.0	2.6	.2							7.4	9.6
VARBL													
CALM												4.5	
	8.2	24.2	31.9	25.1	4.8	.9	.4					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

897

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94856 STATION K I SAYNER AFB MI 69-78 YEARS NOV MONTH
 ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.9	2.6	2.2	.7	.4	.2					9.2	10.0
NNE	.6	1.7	1.3	2.2	.6	.1						6.5	10.2
NE	.4	1.0	.4	1.0	.1							3.0	8.2
ENE	.3	.4	.1									.9	4.3
E	.7	.8										1.5	3.3
ESE	.7	.9	.2									1.8	3.8
SE	.2	.8	1.1	.2								2.3	6.8
SSE	.6	1.7	.9	.2	.1							3.5	6.3
S	.7	3.7	5.0	2.3	.6	.4	.1					12.8	9.2
SSW	2.0	1.8	3.6	1.6	.3	.2						9.5	7.8
SW	.8	1.8	1.5	.8								4.8	6.9
WSW	1.2	.7	1.3	.8								4.0	6.8
W	1.1	2.0	3.3	1.3								7.8	7.5
WNW	1.1	2.0	2.6	2.1	.4							8.3	8.5
NW	1.1	2.6	2.6	1.5	.2							7.9	7.6
NNW	.7	1.7	1.9	1.5								5.7	8.0
VARBL													
CALM												10.6	
	13.2	25.3	28.5	17.7	3.0	1.2	.3					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94834
STATION

K I SANDYER AFB HI
STATION NAME

69-78
YEARS

NOV
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-5	7-10	11-16	17-21	22-27	28-33	34-43	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.2	2.0	2.5	.6	.4	.2					7.4	11.7
NNE	.6	.9	1.7	1.2	.2	.4						5.0	10.5
NE	.7	.9	.9	.6	.2							2.3	10.6
ENE	.6	1.0	.2									1.8	4.5
E	.1	.8										.9	4.8
ESE	.1	.6	.4									1.1	5.8
SE	.3	.8	.7	.1								1.9	5.7
SSE	.6	1.3	1.3	.3								3.6	5.5
S	.6	2.2	3.2	1.7	.6							8.2	8.7
SSW	1.1	4.3	4.1	2.0	.9	.3						12.8	8.6
SW	1.7	2.2	1.1	.8	.1	.1						6.0	6.6
WSW	1.1	1.7	.9	1.0	.2							4.9	7.2
W	1.3	3.8	4.6	1.0								10.7	6.9
WNW	1.3	2.8	2.7	.4	.3							7.6	5.8
NW	1.0	2.6	2.7	1.8	.1							8.1	7.9
NNW	.9	1.4	2.2	1.4								6.0	7.7
VARBL													
CALM												11.6	
	11.7	28.3	28.8	14.8	3.2	1.3	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836
STATION

K I SAWYER AFB MI
STATION NAME

69-78
YEAR

NOV
MONTH

ALL WGTHER
CLASS

ALL
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.4	3.2	2.9	.7	.4	.1					9.2	10.9
NNE	.3	1.1	1.7	1.9	.4	.2	.0					5.4	10.6
NE	.3	.9	.8	.8	.2							3.0	8.9
ENE	.4	.5	.3	.1								1.3	5.6
E	.4	.7	.2									1.3	4.5
ESE	.4	.5	.2	.0								1.0	4.3
SE	.2	.5	.7	.2								1.6	7.3
SSE	.6	1.1	1.0	.5	.1	.1						3.3	7.4
S	.9	2.7	3.3	2.3	.9	.2	.1					10.4	9.5
SSW	1.5	3.4	3.7	2.3	.6	.1						11.7	8.4
SW	1.1	1.8	1.6	1.1	.1	.1	.0					5.8	7.6
WSW	.9	1.9	1.6	.7	.1	.0	.0					5.2	7.0
W	1.4	3.5	3.6	1.0	.1	.0						9.7	6.9
WNW	.9	2.2	2.7	1.0	.2	.0						7.1	7.7
NW	.7	2.0	2.8	1.6	.3	.0						7.4	8.4
NNW	.7	1.4	2.6	1.7	.3	.1						6.4	9.3
VARBL													
CALM												10.3	
	10.8	25.5	29.8	18.3	4.1	1.2	.2					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 7188

2

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

STATION 9483n STATION NAME K I SAWYER AFB MI YEARS 66-77 MONTH DEC
 CLASS ALL WFTHE HOURS (L & T.) 0000-0200
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	.6	1.6	3.1	1.3	.0	.1					8.1	13.1
NNE	.3	.8	.2	1.4	.2	.1						3.0	10.8
NE	.3	1.2	.1	.3								1.9	6.2
ENE	.2	1.1		.2								1.5	5.6
E	.2	1.3	.9									2.4	5.5
ESE	.4	.5	.5	.5								2.0	7.4
SE	.4	.4	.6	.3								1.8	7.1
SSE	.1	.4	.5	.4	.2							1.7	9.9
S	1.0	1.5	2.3	1.7	1.0	.1						7.6	9.5
SSW	1.3	2.2	2.5	2.6	.4	.2						10.2	8.7
SW	1.2	2.7	3.2	.8	.2							8.1	7.0
WSW	1.2	2.6	1.0									4.7	4.8
W	1.8	3.7	2.5	1.6	.1							9.7	6.9
WNW	1.2	2.3	2.5	1.3								7.2	7.2
NW	1.0	2.0	4.0	1.9	.3							9.3	8.7
NNW	.4	.3	2.2	1.9	.9	.1						5.8	11.7
VARBL													
CALM												14.9	
	11.7	24.8	24.5	18.2	4.6	1.2	.1					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 929

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

STATION 94830 STATION NAME K I SA-YER AFB HI YEAR 56-77 MONTH DEC
 CLASS ALL WEATHER HOURS (L.S.T.) 0300-0500
 CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.1	1.2	3.1	1.7	.5						8.8	12.5
NNE	.9	.3	.4	.6	.2							2.5	6.1
NE	.4	.8	.5	.2	.2							2.2	7.6
ENE	.8	1.5	.2									2.5	4.3
E	.6	.9	.8	.1								2.4	9.5
ESE	.1	.2	.6	.3								1.3	2.1
SE	.4	.4	.3	.2	.1							1.5	7.1
SSE	.2	.2	.6	.2	.2	.1						1.6	10.7
S	.4	2.5	3.1	2.3	.5							8.8	9.0
SSW	1.8	1.9	3.4	2.8	.4	.2						10.6	8.4
SW	1.2	1.6	2.2	.6								5.6	6.6
WSW	1.2	3.1	.8	.2								5.3	5.2
W	1.1	2.8	2.6	1.5	.5							8.5	7.9
WNW	1.0	2.7	3.4	1.2	.1							8.4	7.3
NW	.9	1.6	2.6	1.4	.1							6.8	7.9
NNW	.5	1.0	2.5	2.0	1.1							7.1	10.5
VARBL													
CALM												16.2	
	12.5	22.6	25.5	16.9	5.3	1.1						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836
STATION

K I SAWYER AFB MI
STATION NAME

64-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.0	1.5	2.6	2.3	.4						8.4	13.2
NNE	.2	.8	.5	1.1	.3							2.9	10.2
NE	.3	1.1	1.0	.4	.1							2.9	7.5
ENE	.9	1.3	.5	.3								3.0	5.6
E	.3	1.3	.7									1.8	4.8
ESE	.5	.9	.6	.2								2.3	6.1
SE	.1	.1	.4	.1								.8	8.0
SSE	.2	.4	.3	.5	.2							1.7	9.6
S	1.6	1.0	2.8	3.5	.8							9.7	9.8
SSW	1.8	2.2	3.7	2.4	.2							10.2	7.8
SW	1.0	1.2	1.6	.8								4.5	7.0
WSW	1.4	1.7	1.4	.4	.1							5.1	6.1
W	1.6	3.1	3.1	1.1	.1	.2						9.2	7.2
WNW	1.3	3.0	2.7	.5	.3							7.8	7.0
NW	1.4	2.4	2.3	1.8	.1	.2						8.2	7.9
NNW	.9	.9	1.3	2.2	.4	.1						5.7	9.8
VARBL													
CALM												15.8	
	14.0	22.2	24.0	18.2	4.9	1.0						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836 K I SA-YFR AFB MI 56-77 UEC
STATION STATION NAME YEARS NORTH

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

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.3	1.9	3.4	1.2	.5						8.9	11.8
NNE	.2	.8	.3	1.6	.5	.1						3.8	11.5
NE	.1	.8	.8	.9	.1							2.6	8.9
ENE	.2	1.6	.4									2.3	5.4
E	.2	1.1	1.1									2.4	6.4
ESE	.4	.4	.5	.3								1.7	6.8
SE	.3	.5	.4									1.3	5.9
SSE	.2	.5	.2	.1	.2							1.3	8.3
S	.8	2.2	1.6	2.8	.8							8.1	9.7
SSW	1.5	3.6	3.4	4.2	.9							13.6	9.2
SW	.9	2.0	1.4	1.6	.3							5.6	7.6
WSW	1.5	1.4	1.2	.4	.1							4.6	5.9
W	1.8	3.6	2.7	2.2	.2							10.4	7.3
WVW	1.2	2.3	2.4	1.7	.2	.1						7.9	8.0
NW	.9	1.5	2.6	1.9								6.9	8.5
NNW	.6	.8	1.8	2.0	.6	.3						6.2	11.1
VARBL													
CALM												12.5	
	11.4	24.2	22.8	22.8	5.2	1.1						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 929

2
 GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/VAC

SURFACE WINDS

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

94835 K I SAHYER AFB HI 66-77 DEC
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

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

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	3.0	2.9	3.9	1.3	.2						11.9	10.4
NNE	.4	.8	1.5	1.6	.5	.1						5.0	10.4
NE	.6	.8	1.0	.4								2.8	6.7
ENE	.3	.9	1.0									2.2	6.2
E	.4	1.0	.5	.6								2.7	7.8
ESE	.2	.3	.5	.2								1.3	7.2
SE		1.0	1.0	.2								2.2	7.3
SSE	.5	.5	.6									1.7	5.6
S	1.2	2.8	2.2	3.8	1.2	.2						11.3	9.9
SSW	.5	2.2	1.9	4.2	1.5	.1						10.4	11.0
SW	.3	1.4	2.7	1.3	.4							6.1	9.4
WSW	.6	1.5	1.9	1.0	.1	.2						5.4	8.3
W	.6	2.2	2.6	.8	.3	.1						6.6	8.3
WNW	.5	1.6	2.9	1.3	.6	.4						7.4	10.2
NW	.3	1.2	2.3	2.8	.5	.2						7.3	10.7
NNW	.5	1.1	2.4	3.6	1.4							8.9	11.4
VARBL													
CALM												6.8	
	7.9	22.1	27.9	25.7	8.0	1.7						100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 929

2

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

SURFACE WINDS

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

94856
STATIONK I SAWYER AFB MI
STATION NAME50-77
YEARSDEC
MONTHALL WEATHER
CLASS1500-1700
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	2.7	4.2	4.5	1.1							14.1	9.6
NNE	.3	1.2	1.2	1.4								4.1	8.9
NE	.6	1.0	.9	.6								3.1	7.1
ENE	.5	.8	.6	.2								2.2	6.0
E	.5	1.0	.5	.3								2.4	6.2
ESE	.2	.5	.6	.1								1.5	6.4
SE	.4	1.0	.6	.1								2.2	6.0
SSE	.9	1.1	.8	.2								2.9	5.5
S	1.4	2.7	2.8	3.2	1.0	.2						11.3	9.6
SSW	.6	1.6	3.3	4.7	.4	.2						11.0	10.5
SW	.4	1.3	2.5	.6	.3							5.3	8.4
WSW	.8	.6	.8	.6	.2							3.0	7.9
W	1.5	1.6	1.8	.8	.5							6.2	7.5
WNW	.8	1.9	1.9	1.7	.2	.2						6.8	9.0
NW	.5	2.3	2.4	1.7	.4	.1						7.4	9.1
NNW	.2	1.1	2.9	3.8	1.1	.1						9.1	11.4
VAREL													
CALM												7.5	
	11.4	22.3	27.8	24.8	5.3	.9						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

930

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

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

SURFACE WINDS

94836 STATION K I SA-YER AFB MI STATION NAME 63-77 YEARS DEC MONTH
 ALL WEATHER CLASS 1800-2000 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	1.9	2.3	2.6	1.6	.4	.1					10.0	11.3
NNE	.8	.6	1.1	.3	.1	.1						3.0	7.4
NE	.3	1.1	.4	1.1	.1							3.0	8.6
ENE	.3	.6	.3	.1								1.4	5.5
E	.6	1.0	.4	.1								2.3	5.0
ESE	.6	.3	.5									1.5	5.4
SE	.6	.6	.2	.3	.1							1.0	6.6
SSE	.9	1.4	1.1	.1								3.4	5.6
S	.8	2.0	3.4	2.6	1.1	.4						10.5	10.3
SSW	1.0	2.7	4.2	2.0	.5	.1						10.5	8.5
SW	.6	1.3	1.2	1.1	.1							4.3	8.2
WSW	.8	1.1	1.1	.4	.1							3.4	7.1
W	1.7	2.5	1.5	.8								6.5	6.0
WNW	1.7	1.9	1.7	.5	.1							6.0	6.3
NW	1.6	1.9	1.8	1.7	.1							7.2	7.4
NNW	1.2	2.4	3.0	3.2	.1							9.9	8.8
VARBL													
CALM												15.1	
	14.5	23.4	24.3	17.4	4.1	1.1	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930

2
 GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836 STATION K I SAWYER AFB MI STATION NAME 52-77 YEARS DEC MONTH 2100-2300 HOURS (L S T)
 ALL WEATHER CLASS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6	1.6	2.2	1.7	.4						7.3	12.5
NNE	.3	.6	1.0	.5	.5							3.0	10.0
NE	.1	.8	.9	.9								2.6	8.7
ENE	.5	.6	.5	.1								1.8	5.5
E	.4	.6	.4									1.5	5.4
ESE	.2	1.2	.4	.1								1.9	5.9
SE	.3	.4	.8	.2								1.7	7.1
SSE	.5	.5	.9	.6	.1							2.7	7.7
S	1.0	2.0	2.4	1.5	1.0	.3						8.2	9.7
SSW	1.1	4.2	3.7	2.4	.5	.3						12.2	8.5
SW	1.4	2.7	2.3	.4	.6	.2						7.6	7.8
WSW	1.3	1.8	1.1	1.0								5.2	6.5
W	1.4	3.3	3.4	1.1	.1							9.4	6.8
WNW	1.3	2.2	1.6	.2	.2							5.5	6.1
NW	1.1	1.5	3.0	1.8	.3	.1						7.3	9.0
NNW	.9	1.7	3.1	2.9								8.6	8.9
VARBL													
CALM												13.0	
	12.6	24.9	27.0	15.9	5.2	1.4						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 930

2
 GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/VAC

SURFACE WINDS

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

94835 K I SAWYER AFB MI 64-77 DFC
STATION STATION NAME YEARS NORTH
 ALL WEATHER
CLASS
 ALL
HOURS (L & T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-5	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	1.5	2.2	3.7	1.5	.4	.0					9.7	11.6
NNE	.4	.7	.8	1.1	.3	.1						3.4	9.8
NE	.4	.9	.7	.0	.1							7.6	7.7
ENE	.5	1.0	.5	.1								2.1	5.5
E	.4	1.0	.6	.2								2.2	5.9
ESE	.2	.6	.6	.2								1.7	6.6
SE	.3	.6	.6	.2	.0							1.7	6.8
SSE	.4	.6	.6	.3	.1	.1						2.1	7.4
S	1.0	2.1	2.6	2.7	.9	.2						9.4	9.7
SSW	1.2	2.7	3.3	2.2	.6	.1						11.1	9.1
SW	.9	1.8	2.1	.8	.3	.0						5.9	7.7
WSW	1.1	1.7	1.1	.5	.1	.0						4.6	6.4
W	1.5	2.8	2.5	1.2	.2	.0						8.3	7.2
WNW	1.1	2.2	2.4	1.1	.2	.1						7.1	7.7
NW	1.0	1.8	2.6	1.9	.2	.1						7.6	8.6
NNW	.7	1.1	2.4	2.7	.7	.1						7.7	10.4
VARBL													
CALM												12.7	
	12.0	23.3	25.5	20.0	5.3	1.7	.0					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 7437

GLOBAL CLIMATELOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

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

94836 K I SAWYER AFB MI 1978
 STATION STATION NAME YEARS
 ALL WEATHER CLASS ALL MONTHS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	2.1	3.4	3.7	1.1	.4	.0	.0	.0			12.0	10.3
NNE	.6	1.8	3.0	1.6	.2	.0	.0					7.5	8.8
NE	.5	1.3	1.6	.6	.1	.0						4.0	7.3
ENE	.5	.8	.5	.1								2.0	5.5
E	.5	.7	.4	.1	.0							1.8	5.4
ESE	.3	.5	.3	.1	.0	.0						1.2	5.7
SE	.2	.5	.6	.2	.0							1.5	7.0
SSE	.4	.9	1.2	.7	.1	.0	.0					3.4	8.2
S	.9	2.5	3.7	3.4	.7	.2	.0					11.4	9.7
SSW	1.2	2.8	3.4	2.5	.5	.1	.0	.0				10.5	8.8
SW	.8	1.5	1.8	1.0	.1	.0	.0					5.2	7.9
WSW	.8	1.3	1.3	.6	.1	.0	.0					4.1	7.2
W	1.3	2.0	1.9	.8	.1	.0	.0					6.1	6.8
WNW	.9	1.7	1.7	1.0	.1	.0	.0					5.4	7.5
NW	.7	1.3	1.6	1.2	.2	.0						5.0	8.4
NNW	.6	1.1	1.8	1.6	.4	.1	.0					5.6	9.5
VARBL													
CALM												13.2	
	11.7	22.8	28.2	19.4	3.8	.9	.1	.0	.0			100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 87582

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/VAC

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

SURFACE WINDS

94836
STATION

K I SAWYER AFB MI
STATION NAME

65-78
YEARS

ALL
MONTH

INSTRI' ENT
CLASS

ALL
HOURS (L.S.T.)

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

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

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.2	5.2	8.1	3.1	1.0	.0					20.2	12.4
NNE	.6	2.1	3.0	2.9	.6	.1	.0					9.4	9.8
NE	.6	1.3	1.2	1.1	.2							4.3	3.2
ENE	.5	1.0	.5	.2								2.3	5.9
E	.7	.9	.8	.3	.0							2.7	6.2
ESE	.5	.7	.8	.3	.0							2.2	6.7
SE	.3	.8	1.2	.5	.1							2.9	7.9
SSE	.4	1.3	1.8	1.4	.3	.0	.0					5.1	9.2
S	.8	2.3	4.4	4.7	1.4	.3	.0					13.9	10.6
SSW	.9	2.2	3.2	2.4	.5	.1	.0	.0				9.3	9.1
SW	.5	1.1	1.3	.6	.1	.1	.0					3.5	7.9
WSW	.5	.6	.7	.2	.0							2.0	6.2
W	.7	.8	.8	.4	.0	.0	.0					2.8	6.7
WNW	.5	.7	.9	.3	.1	.0						2.6	7.3
NW	.4	1.0	1.5	1.0	.2	.0						4.1	8.9
NNW	.4	.9	2.2	2.3	.9	.1	.0					6.7	11.2
VARBL													
CALM												6.1	
	8.9	19.9	29.4	26.5	7.3	1.8	.1	.0				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

1647

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

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

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

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

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

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

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABLE

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

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

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

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

ADDITIONAL EXAMPLES

EXAMPLE # 4

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

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

EXAMPLE # 5

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

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

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

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836
STATION

K I SAWYER AFB MI
STATION NAME

59-78
YEAR

JA
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1		
NO CEILING > 20000	34.5	35.5	35.8	35.9	36.2	36.2	36.7	36.9	37.1	37.1	37.1	37.1	37.1	37.1	37.2	37.4
18000	35.6	36.9	37.3	37.4	37.7	37.7	38.3	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.8	39.0
16000	35.6	36.9	37.3	37.4	37.7	37.7	38.3	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.8	39.0
14000	35.9	37.2	37.7	38.0	38.3	38.3	38.8	39.0	39.2	39.2	39.2	39.2	39.2	39.2	39.4	39.6
12000	36.3	37.6	38.2	38.4	38.7	38.7	39.2	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.8	40.0
10000	37.0	38.3	38.8	39.0	39.6	39.6	40.1	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.6	40.9
9000	37.6	38.9	39.5	39.7	40.2	40.2	40.8	41.0	41.2	41.2	41.2	41.2	41.2	41.2	41.3	41.5
8000	38.6	40.0	40.6	41.0	41.5	41.5	42.0	42.3	42.5	42.5	42.5	42.5	42.5	42.5	42.6	42.8
7000	39.1	40.5	41.2	41.5	42.0	42.0	42.6	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.1	43.3
6000	40.1	41.5	42.2	42.6	43.1	43.1	43.7	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.2	44.4
5000	41.9	43.3	44.0	44.4	45.1	45.1	45.6	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.1	46.3
4500	43.1	44.5	45.2	45.6	46.3	46.3	46.9	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.6
4000	44.7	46.5	47.2	47.6	48.6	48.7	49.2	49.5	49.8	49.8	49.9	49.9	49.9	49.9	50.0	50.2
3500	45.3	47.1	48.0	48.5	49.7	49.8	50.3	50.5	50.9	50.9	51.0	51.0	51.0	51.0	51.1	51.3
3000	47.6	50.1	51.1	51.8	53.2	53.3	54.2	54.6	54.9	54.9	55.1	55.1	55.1	55.1	55.2	55.4
2500	50.4	53.3	55.1	56.1	58.2	58.5	59.7	60.3	60.6	60.6	60.8	60.8	60.8	60.8	60.9	61.1
2000	53.7	57.2	59.4	60.8	63.2	63.7	65.3	66.1	66.7	66.8	66.9	66.9	66.9	66.9	67.0	67.2
1800	54.9	58.9	61.1	62.5	65.1	65.5	67.1	68.1	68.6	68.7	68.8	68.8	68.8	68.8	68.9	69.1
1500	57.7	63.1	65.5	67.2	70.2	70.9	73.0	74.5	75.3	75.7	75.9	75.9	75.9	75.9	76.0	76.2
1200	59.5	65.2	67.7	69.7	73.0	73.8	76.3	78.1	79.0	79.6	79.9	79.9	80.0	80.0	80.1	80.3
1000	60.1	66.2	69.1	71.1	74.7	75.6	78.6	80.6	82.4	83.2	83.9	83.9	84.0	84.0	84.1	84.3
900	60.3	66.6	69.9	71.8	75.5	76.5	79.5	81.6	83.5	84.4	85.1	85.1	85.2	85.2	85.3	85.5
800	61.8	68.4	71.7	73.8	77.5	78.6	81.6	83.8	86.5	87.4	88.1	88.1	88.2	88.2	88.3	88.5
700	62.2	68.7	72.0	74.2	78.1	79.2	82.4	84.7	87.4	88.5	89.4	89.4	89.5	89.5	89.6	89.8
600	62.2	68.9	72.3	74.6	78.8	80.0	83.2	85.7	88.4	89.5	90.3	90.3	90.4	90.4	90.5	90.8
500	62.2	68.9	72.6	75.1	79.6	80.8	84.0	86.7	89.6	90.8	92.4	92.5	92.8	92.8	92.9	93.4
400	62.2	69.0	72.8	75.4	79.9	81.3	84.5	87.3	90.8	92.4	94.1	94.2	94.7	94.7	94.8	95.4
300	62.2	69.0	72.8	75.4	80.1	81.5	85.1	88.1	92.2	93.9	96.1	96.2	97.4	97.4	97.5	98.3
200	62.2	69.0	72.8	75.4	80.2	81.6	85.2	88.2	92.4	94.3	96.6	96.7	98.0	98.0	98.1	98.9
100	62.2	69.0	72.8	75.4	80.2	81.6	85.2	88.2	92.5	94.4	96.7	96.8	98.1	98.1	98.4	99.9
0	62.2	69.0	72.8	75.4	80.2	81.6	85.2	88.2	92.5	94.4	96.7	96.8	98.1	98.1	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

94836
STATION

K I SAWYER AFB MI
STATION NAME

9-74
YEAR

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500
TIME PERIOD

CEILING FEET	VISIBILITY STATISTICS															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING ≥ 20000	32.5	34.8	34.9	35.1	35.2	35.5	35.6	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
IV 18000 16000	33.5	36.0	36.1	36.2	36.3	36.7	37.3	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 14000 12000	34.0	36.5	36.6	36.7	36.8	37.1	37.7	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
IV 10000 9000	35.5	38.1	38.2	38.3	38.4	38.7	39.4	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IV 8000 7000	35.8	38.5	38.6	38.7	38.8	39.1	39.8	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
IV 6000 5500	36.9	39.9	40.0	40.1	40.2	40.5	41.2	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IV 4500 4000	39.6	43.1	43.3	43.5	43.7	44.0	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
IV 3500 3000	42.2	46.2	46.6	46.9	47.0	47.3	48.0	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 2500 2000	48.7	54.5	55.5	55.9	56.5	56.9	57.6	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 1800 1500	54.5	61.1	62.4	63.2	64.5	65.2	66.5	68.1	68.2	68.3	68.5	68.5	68.5	68.5	68.5	68.5
IV 1200 1000	58.8	66.8	68.6	69.6	72.0	72.8	75.7	77.5	77.7	78.2	78.4	78.4	78.4	78.4	78.4	78.4
IV 900 800	60.3	68.4	70.6	72.0	74.8	75.6	78.8	81.5	81.8	82.6	82.9	82.9	83.1	83.1	83.2	83.2
IV 700 500	61.0	70.0	72.4	74.0	77.0	77.7	81.2	84.1	85.1	86.1	86.6	86.6	87.0	87.0	87.1	87.1
IV 500 400	61.3	70.9	73.8	75.6	78.9	80.0	83.5	87.4	88.7	90.3	91.5	91.5	92.2	92.2	92.3	92.6
IV 300 200	61.3	71.0	74.0	75.9	79.5	80.9	84.8	88.8	90.3	92.7	94.3	94.4	95.7	95.7	96.3	97.0
IV 100 0	61.3	71.0	74.0	75.9	79.5	80.9	84.8	88.9	90.9	93.8	95.6	95.7	97.3	97.3	98.4	99.7

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAKYER AFB MI

59-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	28.7	30.4	30.9	30.9	31.1	31.1	31.6	31.8	31.8	31.9	31.9	31.9	31.9	31.9	31.9	31.9
≥ 20000	29.2	30.9	31.5	31.5	31.7	31.7	32.1	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4
IV 18000	29.3	31.0	31.6	31.6	31.8	31.8	32.2	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5
IV 16000	29.4	31.1	31.7	31.7	31.9	31.9	32.3	32.5	32.5	32.7	32.7	32.7	32.7	32.7	32.7	32.7
IV 14000	30.2	31.9	32.4	32.4	32.8	32.8	33.2	33.4	33.4	33.5	33.5	33.5	33.5	33.5	33.5	33.5
IV 12000	30.6	32.3	32.9	32.9	33.2	33.2	33.6	33.8	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 10000	32.1	34.3	34.8	34.8	35.2	35.2	35.8	36.1	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2
IV 8000	32.4	34.6	35.1	35.1	35.6	35.6	36.1	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5
IV 7000	32.9	35.1	35.7	35.7	36.1	36.1	36.6	37.0	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1
IV 6000	33.5	35.8	36.3	36.3	36.7	36.7	37.3	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IV 5000	34.3	36.5	37.1	37.1	37.5	37.5	38.0	38.4	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6
IV 4500	35.3	38.0	38.6	38.6	39.1	39.1	39.7	40.0	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2
IV 4000	36.4	39.4	40.1	40.1	40.6	40.6	41.2	41.5	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 3500	37.3	40.9	41.8	42.0	42.7	42.7	43.2	43.5	43.5	43.8	43.8	43.8	43.8	43.8	43.8	43.8
IV 3000	37.6	41.7	42.6	42.8	43.5	43.5	44.1	44.4	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6
IV 2500	41.4	46.3	47.7	48.1	48.8	48.8	49.4	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1
IV 2000	44.2	49.8	51.9	52.6	53.8	53.8	54.5	55.2	55.2	55.4	55.6	55.6	55.6	55.6	55.6	55.6
IV 1800	48.0	54.6	57.4	58.5	60.6	60.8	62.6	63.4	63.5	63.8	64.0	64.0	64.0	64.0	64.0	64.0
IV 1500	49.2	56.7	59.6	60.7	63.1	63.4	65.5	66.4	66.5	66.9	67.1	67.1	67.1	67.1	67.1	67.1
IV 1200	52.8	60.8	63.9	65.1	68.1	68.4	70.6	71.6	71.7	72.2	72.7	72.7	72.7	72.7	72.7	72.7
IV 1000	54.6	63.0	66.4	67.6	71.1	71.8	74.4	75.4	75.6	76.3	76.8	76.8	76.8	76.8	76.8	76.8
IV 900	56.4	65.1	68.5	70.0	73.8	74.5	77.4	78.8	79.1	79.8	80.9	80.9	81.1	81.1	81.1	81.1
IV 800	56.7	65.5	69.1	70.6	74.4	75.0	78.1	79.7	80.2	81.0	82.2	82.2	82.5	82.5	82.5	82.5
IV 700	57.1	65.9	69.7	71.2	75.3	76.0	79.1	80.9	81.5	82.4	84.1	84.1	84.7	84.7	84.7	84.7
IV 600	57.2	66.7	70.6	72.1	76.4	77.3	80.4	82.2	83.1	84.3	85.9	85.9	86.5	86.5	86.5	86.5
IV 500	57.3	66.8	71.0	72.7	77.4	78.6	81.8	84.4	85.9	87.4	89.2	89.2	90.0	90.0	90.0	90.0
IV 400	57.4	67.1	71.8	73.6	78.4	79.7	83.3	85.9	87.4	89.0	91.3	91.3	92.0	92.0	92.3	92.5
IV 300	57.4	67.1	71.8	73.6	78.7	80.0	83.6	86.5	88.6	90.4	92.7	92.7	93.5	93.5	94.0	94.3
IV 200	57.4	67.2	71.9	74.0	79.1	80.6	84.6	87.9	90.6	92.8	95.2	95.2	96.3	96.3	97.5	98.1
IV 100	57.4	67.2	72.1	74.2	79.3	80.8	84.8	88.1	91.1	93.4	96.0	96.0	97.5	97.5	98.8	99.4
IV 0	57.4	67.2	72.1	74.2	79.4	80.9	84.9	88.3	91.2	93.5	96.1	96.1	97.6	97.6	99.1	99.7
	57.4	67.2	72.1	74.2	79.4	80.9	84.9	88.3	91.2	93.5	96.1	96.1	97.6	97.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY STATISTICS															
	≥ 10	≥ 5	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .02	≥ .01	≥ .005	≥ .001
NO CEILING	29.8	31.9	32.3	32.4	32.7	32.8	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 20000	31.6	33.8	34.3	34.4	34.8	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 18000	32.1	34.2	34.8	34.9	35.2	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 16000	32.7	34.9	35.4	35.5	35.8	36.0	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 14000	33.5	35.6	36.2	36.3	36.6	36.7	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
≥ 12000	34.3	36.5	37.0	37.1	37.5	37.6	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 10000	35.5	38.1	38.8	38.9	39.2	39.3	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥ 9000	35.8	38.5	39.2	39.3	39.6	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 8000	37.5	40.2	40.8	40.9	41.2	41.3	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 7000	38.4	41.2	41.9	42.0	42.3	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 6000	39.3	42.1	42.7	42.8	43.2	43.3	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 5000	40.0	43.1	43.7	43.8	44.1	44.2	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
IV 4500	40.6	43.7	44.5	44.6	45.1	45.2	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 4000	42.6	46.0	46.9	47.1	47.8	48.0	48.3	48.4	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.8
IV 3500	43.3	47.0	48.2	48.5	49.3	49.5	49.8	49.9	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 3000	44.9	49.3	50.5	50.8	52.1	52.3	52.6	52.9	53.0	53.2	53.2	53.2	53.3	53.3	53.3	53.3
IV 2500	46.9	53.0	54.8	55.7	57.3	57.6	58.1	58.3	58.8	59.2	59.5	59.5	59.8	59.8	59.8	59.8
IV 2000	48.8	56.4	58.7	60.0	62.5	63.0	64.3	64.7	65.2	65.8	66.3	66.3	66.7	66.8	66.8	66.8
IV 1800	49.3	57.1	59.4	60.9	63.5	63.9	65.2	65.8	66.3	67.1	67.8	67.8	68.4	68.5	68.5	68.5
IV 1500	51.5	60.3	63.0	64.6	67.9	68.7	70.8	71.7	72.3	73.4	74.6	74.6	75.1	75.3	75.3	75.5
IV 1200	51.9	61.7	64.7	66.3	70.1	70.9	73.2	74.4	75.1	76.3	77.6	77.6	78.4	78.6	78.7	78.7
IV 1000	52.7	62.9	65.9	67.7	71.7	72.6	75.0	76.2	77.0	78.5	79.9	79.9	80.9	81.2	81.3	81.3
IV 900	53.3	63.6	66.7	68.9	73.3	74.2	76.6	77.9	78.9	80.5	82.0	82.0	83.1	83.3	83.4	83.4
IV 800	53.9	64.5	67.6	69.8	74.3	75.3	77.8	79.2	80.3	81.9	84.1	84.1	85.3	85.5	85.6	85.6
IV 700	54.3	64.9	68.2	70.5	75.0	76.2	78.8	80.2	81.4	83.4	85.8	85.8	87.0	87.2	87.3	87.3
IV 600	54.3	65.0	68.6	70.8	75.6	77.0	79.5	81.3	82.7	85.3	87.7	87.8	89.0	89.2	89.5	89.5
IV 500	54.4	65.3	69.2	71.6	76.5	77.9	81.2	83.0	84.7	87.3	90.2	90.3	91.5	91.7	92.4	92.4
IV 400	54.4	65.3	69.3	71.9	76.9	78.3	81.5	83.5	85.4	88.3	91.3	91.5	93.1	93.5	94.2	94.2
IV 300	54.4	65.6	69.5	72.1	77.1	78.5	81.7	83.9	86.3	89.2	92.7	93.0	94.8	95.4	96.7	96.9
IV 200	54.4	65.6	69.5	72.1	77.1	78.5	81.7	83.9	86.7	89.6	93.2	93.8	96.3	97.0	98.4	98.7
IV 100	54.4	65.6	69.5	72.1	77.1	78.5	81.7	83.9	86.8	89.7	93.3	93.9	96.4	97.2	98.7	99.5
IV 0	54.4	65.6	69.5	72.1	77.1	78.5	81.7	83.9	86.8	89.7	93.3	93.9	96.4	97.2	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS

929

USAF ETAC

FORM
JUL 64

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-75

JA

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	VISIBILITY STATUTES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	30.1	31.2	31.4	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
≥ 2500	33.5	35.1	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
≥ 1800	34.5	35.7	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 1500	35.7	36.9	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥ 1200	36.1	37.4	37.7	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 900	37.4	38.7	39.0	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 600	40.1	41.6	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 300	40.2	41.7	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 100	41.5	43.1	43.4	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 0	42.0	43.7	44.0	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 6000	42.9	44.5	44.8	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 5000	44.1	45.8	46.2	46.6	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 4500	44.6	46.6	47.0	47.3	47.7	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 4000	46.3	48.8	49.4	49.8	50.5	50.5	50.9	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 3500	46.7	49.2	49.9	50.3	51.2	51.2	51.5	51.5	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 3000	48.1	50.9	51.6	52.2	53.3	53.3	53.7	53.8	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 2500	51.9	55.6	56.9	57.5	59.5	59.5	59.9	60.0	60.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 2000	55.5	60.5	62.5	63.2	65.8	66.2	67.0	67.1	67.6	68.3	68.7	68.7	68.8	68.8	68.8	68.8
≥ 1800	56.0	61.4	63.4	64.2	66.8	67.2	68.0	68.1	68.6	69.2	69.7	69.7	69.8	69.8	69.8	69.8
≥ 1500	58.4	65.3	67.6	69.1	72.0	72.6	74.0	74.3	75.1	76.2	77.0	77.0	77.4	77.4	77.5	77.5
≥ 1200	58.9	66.3	68.8	70.4	73.4	74.0	75.6	76.0	76.8	78.1	78.9	78.9	79.7	79.7	79.8	79.8
≥ 1000	59.7	67.4	69.9	71.6	74.9	75.5	77.2	78.0	79.0	80.3	81.3	81.5	82.5	82.5	82.7	82.7
≥ 900	60.0	68.4	71.0	72.7	76.6	77.3	79.0	79.9	81.1	82.4	83.5	83.8	84.7	84.7	84.9	84.9
≥ 800	60.1	68.5	71.1	72.8	76.8	77.6	79.5	80.3	81.7	83.0	84.7	84.9	85.9	85.9	86.3	86.6
≥ 700	60.6	69.5	72.2	74.0	78.2	79.0	80.9	81.9	83.3	84.8	86.7	86.9	87.8	87.8	88.3	88.5
≥ 600	60.8	69.7	72.5	74.3	78.8	79.7	81.5	82.7	84.2	85.8	87.7	88.0	88.9	88.9	89.4	89.6
≥ 500	60.8	69.8	72.9	74.7	79.4	80.3	82.3	83.4	85.4	87.2	89.6	89.9	91.1	91.1	91.9	92.2
≥ 400	60.8	69.8	73.0	74.8	79.9	81.0	83.1	84.4	87.0	88.9	91.6	91.9	93.2	93.2	94.1	94.3
≥ 300	60.8	69.8	73.0	74.8	79.9	81.0	83.2	84.6	87.5	89.7	92.8	93.2	95.1	95.5	96.5	96.7
≥ 200	60.8	69.8	73.0	74.8	79.9	81.0	83.2	84.6	88.0	90.3	93.4	93.9	96.2	97.5	98.7	98.9
≥ 100	60.8	69.8	73.0	74.8	79.9	81.0	83.2	84.6	88.0	90.3	93.4	93.9	96.2	97.5	98.7	99.4
≥ 0	60.8	69.8	73.0	74.8	79.9	81.0	83.2	84.6	88.0	90.3	93.4	93.9	96.2	97.5	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836 K I SAWYER AFB MI

9-76

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY STATISTICS															
	20	26	25	24	23	22	21	20	19	18	17	16	15	14	13	20
NO CEILING ≥ 2500	33.7	34.0	34.0	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
IV 1800	37.4	38.2	38.2	38.2	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
IV 600	37.8	38.6	38.6	38.6	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
IV 400	38.8	39.7	39.7	39.7	40.0	40.0	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
IV 200	39.5	40.4	40.4	40.4	40.8	40.8	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
IV 1500	43.4	44.5	44.5	44.5	44.8	44.8	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
IV 900	44.5	45.6	45.6	45.7	46.0	46.0	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
IV 800	45.7	47.0	47.0	47.1	47.4	47.4	47.5	47.6	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8
IV 700	46.6	48.1	48.2	48.4	48.8	48.8	48.9	49.0	49.0	49.0	49.2	49.2	49.2	49.2	49.2	49.2
IV 600	46.9	48.4	48.5	48.7	49.1	49.1	49.2	49.4	49.4	49.5	49.7	49.7	49.7	49.7	49.7	49.7
IV 500	48.0	49.6	49.8	50.0	50.5	50.5	50.6	50.8	50.8	50.9	51.1	51.1	51.1	51.1	51.1	51.1
IV 450	48.2	50.3	50.5	50.8	51.4	51.4	51.5	51.6	51.6	51.7	51.9	51.9	51.9	51.9	51.9	51.9
IV 400	49.6	51.7	51.9	52.3	52.9	52.9	53.0	53.1	53.1	53.2	53.4	53.4	53.4	53.4	53.4	53.4
IV 350	50.4	52.7	52.9	53.2	54.0	54.0	54.1	54.2	54.2	54.3	54.5	54.5	54.5	54.5	54.5	54.5
IV 300	51.5	53.9	54.6	55.2	56.2	56.2	56.3	56.5	56.6	56.7	56.9	56.9	56.9	56.9	56.9	56.9
IV 250	54.6	57.8	59.5	60.2	61.8	61.9	62.6	62.9	63.0	63.2	63.5	63.5	63.5	63.5	63.5	63.5
IV 200	58.3	62.8	64.9	65.8	67.7	68.3	69.4	69.7	69.8	70.3	70.9	70.9	70.9	70.9	70.9	70.9
IV 180	59.4	64.1	66.2	67.1	69.0	69.7	70.9	71.2	71.3	71.9	72.5	72.5	72.5	72.5	72.5	72.5
IV 150	61.8	67.6	70.3	71.3	74.1	74.9	76.8	77.5	78.0	78.9	79.7	79.7	79.8	79.8	80.0	80.1
IV 120	62.5	69.0	71.7	72.8	75.9	76.8	78.8	79.6	80.1	81.4	82.5	82.5	82.7	82.7	82.9	83.0
IV 100	63.3	70.3	73.1	74.3	77.7	78.7	80.8	82.2	82.2	84.7	86.0	86.0	86.3	86.3	86.8	86.9
IV 900	63.4	70.4	73.4	74.8	78.6	79.7	81.7	83.1	84.2	85.8	87.2	87.2	87.5	87.5	88.0	88.1
IV 800	63.5	70.6	73.7	75.3	79.4	80.6	82.8	84.2	85.3	86.9	88.3	88.4	88.8	88.8	89.2	89.4
IV 700	63.5	70.6	73.7	75.4	79.6	81.1	83.4	85.1	86.2	87.8	89.2	89.4	89.8	89.8	90.2	90.3
IV 600	63.7	70.8	73.9	75.6	79.9	81.4	83.8	85.6	86.9	88.6	90.1	90.2	90.6	90.6	91.1	91.2
IV 500	63.7	70.8	74.0	75.7	80.2	81.7	84.1	86.0	87.5	89.6	91.6	91.8	92.4	92.4	93.0	93.1
IV 400	63.7	70.9	74.1	75.9	80.6	82.4	84.8	86.8	88.6	90.9	93.3	93.5	94.3	94.3	94.9	95.2
IV 300	63.7	70.9	74.1	75.9	80.8	82.6	85.1	87.0	89.2	91.6	94.3	94.8	95.9	96.7	97.3	97.5
IV 200	63.7	70.9	74.1	75.9	80.8	82.6	85.1	87.0	89.6	91.9	94.7	95.5	97.0	98.1	98.8	99.6
IV 100	63.7	70.9	74.1	75.9	80.8	82.6	85.1	87.0	89.6	91.9	94.7	95.5	97.0	98.1	98.8	99.6
IV 0	63.7	70.9	74.1	75.9	80.8	82.6	85.1	87.0	89.6	91.9	94.7	95.5	97.0	98.1	98.8	99.6

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-78

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	VISIBILITY STATISTICS															
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0	≥ 0
≥ 2000	35.4	36.3	36.5	36.6	37.0	37.2	37.2	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 1800	38.1	39.4	39.6	39.7	40.1	40.3	40.3	40.5	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
≥ 1600	38.7	40.0	40.2	40.3	40.8	41.0	41.0	41.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 1400	38.8	40.1	40.3	40.4	40.9	41.1	41.1	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
≥ 1200	39.2	40.5	40.8	40.9	41.3	41.5	41.5	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 1000	41.0	42.4	42.6	42.7	43.2	43.4	43.4	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 900	42.9	44.5	44.7	45.1	45.6	45.9	45.9	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 800	43.8	45.5	45.7	46.2	46.6	46.9	46.9	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 700	46.3	48.2	48.4	48.7	49.2	49.6	49.6	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
≥ 600	47.4	49.2	49.5	49.8	50.4	50.8	50.8	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 500	48.5	50.3	50.5	50.9	51.5	51.8	51.8	52.0	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 450	49.2	51.5	51.8	52.2	52.9	53.2	53.2	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 400	49.8	52.3	52.6	53.0	53.8	54.2	54.2	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 350	50.2	53.1	54.0	54.4	55.4	55.8	55.8	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 300	50.6	53.9	54.8	55.4	56.3	56.9	56.9	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 250	53.9	57.7	59.1	59.9	61.0	61.5	61.8	62.0	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 200	56.7	61.5	63.4	64.4	65.8	66.8	67.7	68.0	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 150	59.1	64.5	67.3	68.6	71.0	72.0	73.0	73.2	73.8	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 100	59.6	65.2	68.0	69.2	71.6	72.7	73.9	74.1	74.6	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 75	62.0	68.3	71.5	73.0	75.9	77.3	78.6	79.0	79.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 70	63.2	69.8	73.0	74.9	78.1	79.5	80.9	81.6	82.8	83.3	83.3	83.3	83.5	83.5	83.7	83.7
≥ 60	64.0	70.9	74.9	76.9	80.3	81.9	83.4	84.6	86.0	87.0	87.0	87.0	87.2	87.2	87.3	87.3
≥ 50	64.1	71.3	75.5	77.5	81.2	82.8	84.7	86.1	87.5	88.6	88.6	88.6	88.8	88.8	88.9	88.9
≥ 40	64.9	72.2	76.5	78.5	82.2	83.9	85.8	87.4	88.8	89.9	90.2	90.2	90.5	90.5	90.6	90.6
≥ 30	64.9	72.3	76.6	78.6	82.5	84.4	86.3	88.2	89.6	90.8	91.3	91.3	91.6	91.6	91.7	91.7
≥ 20	64.9	72.5	76.9	78.9	82.8	84.9	87.0	89.0	90.5	91.8	92.5	92.5	93.0	93.0	93.1	93.1
≥ 10	65.1	72.9	77.2	79.2	83.2	85.4	87.6	89.8	91.4	93.0	93.8	93.9	94.4	94.4	94.5	94.8
≥ 0	65.1	72.9	77.2	79.2	83.2	85.5	87.7	90.0	91.9	93.7	94.5	94.8	95.4	95.4	95.5	95.8
≥ 0	65.1	72.9	77.2	79.2	83.2	85.5	87.8	90.3	92.9	94.7	96.1	96.6	97.4	97.4	97.5	97.8
≥ 0	65.1	72.9	77.2	79.2	83.2	85.5	87.8	90.3	93.1	95.1	96.5	97.1	98.0	98.3	98.4	99.0
≥ 0	65.1	72.9	77.2	79.2	83.3	85.6	88.0	90.4	93.2	95.2	96.6	97.2	98.1	98.5	98.6	100.0
≥ 0	65.1	72.9	77.2	79.2	83.3	85.6	88.0	90.4	93.2	95.2	96.6	97.2	98.1	98.5	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 030

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-78

JA

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

FOUNTS FEET	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
NO FOGGING	33.1	34.2	34.5	34.5	34.5	34.5	34.5	34.7	34.9	35.1	35.2	35.2	35.3	35.4	35.5	35.5				
≥ 27000	34.2	35.4	35.8	35.8	35.8	35.8	35.8	35.8	36.0	36.2	36.3	36.5	36.5	36.6	36.7	36.8	36.8			
≥ 18000	34.5	35.7	36.1	36.1	36.1	36.1	36.1	36.3	36.6	36.7	36.8	36.8	36.9	37.0	37.1	37.1				
≥ 8000	24.6	35.8	36.2	36.2	36.2	36.2	36.2	36.5	36.7	36.8	36.9	36.9	37.0	37.1	37.2	37.2				
≥ 14000	35.6	36.9	37.4	37.4	37.4	37.4	37.4	37.6	37.8	38.0	38.1	38.1	38.2	38.3	38.4	38.4				
≥ 12000	36.3	37.6	38.2	38.2	38.2	38.2	38.2	38.4	38.6	38.7	38.8	38.8	38.9	39.0	39.1	39.1				
≥ 10000	37.7	39.0	39.6	39.6	39.6	39.6	39.6	39.8	40.0	40.1	40.2	40.2	40.3	40.4	40.5	40.5				
≥ 9200	38.3	39.6	40.1	40.1	40.1	40.1	40.1	40.3	40.5	40.6	40.8	40.8	40.9	41.0	41.1	41.1				
≥ 8000	40.1	41.7	42.3	42.3	42.5	42.5	42.5	42.7	42.9	43.0	43.1	43.1	43.2	43.3	43.4	43.4				
≥ 7000	41.0	42.6	43.1	43.1	43.4	43.4	43.4	43.7	43.9	44.0	44.1	44.1	44.2	44.3	44.4	44.4				
≥ 6000	41.9	43.5	44.1	44.2	44.8	44.8	44.8	45.1	45.3	45.4	45.5	45.5	45.6	45.7	45.8	45.8				
≥ 5500	44.3	45.9	46.5	46.8	47.4	47.5	47.5	47.7	48.0	48.1	48.2	48.2	48.3	48.4	48.5	48.5				
≥ 4500	45.3	47.0	47.5	48.0	48.7	48.8	48.8	49.0	49.2	49.4	49.5	49.5	49.6	49.7	49.8	49.8				
≥ 4000	47.0	49.4	50.1	50.5	51.4	51.6	51.6	51.8	52.0	52.2	52.3	52.3	52.4	52.5	52.6	52.6				
≥ 3500	48.5	51.1	51.8	52.4	53.2	53.4	53.5	53.8	54.0	54.1	54.2	54.2	54.3	54.4	54.5	54.5				
≥ 3000	51.1	53.8	54.8	55.8	56.9	57.2	57.6	57.8	58.1	58.5	58.6	58.6	58.7	58.8	58.9	58.9				
≥ 2500	53.9	57.3	59.0	60.1	61.8	62.2	62.7	62.9	63.1	63.5	63.7	63.7	63.8	63.9	64.0	64.0				
≥ 2000	55.6	60.0	62.4	63.5	66.1	66.6	67.4	67.8	68.1	68.5	68.6	68.6	68.7	68.8	68.9	68.9				
≥ 1800	57.4	61.9	64.5	65.7	68.4	69.0	70.0	70.4	70.6	71.1	71.2	71.2	71.3	71.4	71.5	71.5				
≥ 1500	59.8	65.2	68.1	69.6	72.8	73.9	75.4	75.9	76.5	77.1	77.2	77.5	77.6	77.7	77.8	77.8				
≥ 1200	61.4	67.2	70.3	72.0	75.7	76.9	78.6	79.2	79.9	80.6	80.8	81.1	81.2	81.3	81.4	81.4				
≥ 1000	62.4	68.5	72.2	74.2	78.3	79.6	81.6	82.7	83.5	84.6	85.1	85.4	85.5	85.6	85.7	85.7				
≥ 900	62.5	69.1	72.8	74.8	79.0	80.3	82.4	83.4	84.4	85.5	86.1	86.5	86.6	86.7	86.8	86.8				
≥ 800	63.4	70.3	74.2	76.3	80.5	81.9	84.2	85.4	86.7	87.8	88.5	88.8	89.0	89.1	89.2	89.2				
≥ 700	64.0	71.2	75.1	77.2	81.4	82.9	85.3	86.6	88.0	89.4	90.2	90.5	90.8	90.9	91.0	91.0				
≥ 600	64.1	71.5	75.4	77.5	81.7	83.3	85.8	87.2	88.6	90.2	91.1	91.4	91.6	91.7	91.8	91.8				
≥ 500	64.1	71.6	75.5	77.6	82.4	84.0	86.6	88.2	89.9	91.7	92.9	93.2	93.5	93.7	93.8	94.1				
≥ 400	64.1	71.7	75.6	77.7	82.5	84.4	87.2	89.2	91.1	93.1	94.3	94.7	95.4	95.5	95.6	95.9				
≥ 300	64.1	71.7	75.6	77.7	82.5	84.4	87.4	89.7	91.6	93.7	95.3	95.8	96.6	96.7	97.0	97.3				
≥ 200	64.1	71.7	75.6	77.7	82.5	84.4	87.4	89.7	91.9	94.3	96.1	96.7	97.6	98.2	98.5	98.9				
≥ 100	64.1	71.7	75.6	77.7	82.5	84.4	87.4	89.7	92.2	94.5	96.3	96.9	98.1	98.6	99.0	99.8				
≥ 0	64.1	71.7	75.6	77.7	82.5	84.4	87.4	89.7	92.2	94.5	96.3	96.9	98.1	98.6	99.2	100.0				

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC

FORM

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

GLOBAL CLIMATOLOGY BRANCH
USAF/ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-78

JA

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

NO. FEET	SEALED STATUTE MILES															
	21'	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO. REMAINING	32.2	33.5	33.8	33.9	34.1	34.2	34.3	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.7	34.7
≥ 10000	34.0	35.5	35.8	35.9	36.1	36.2	36.4	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.8
≥ 8000	34.5	36.0	36.3	36.4	36.6	36.7	36.9	37.0	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2
≥ 6000	34.8	36.3	36.6	36.7	36.9	37.0	37.2	37.4	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.6
≥ 4000	35.4	37.0	37.3	37.4	37.6	37.7	38.0	38.1	38.2	38.2	38.2	38.2	38.3	38.3	38.3	38.3
≥ 2000	36.2	37.8	38.1	38.2	38.5	38.6	38.8	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.2
≥ 1000	38.0	39.8	40.2	40.3	40.6	40.7	40.9	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.3	41.3
≥ 800	38.5	40.3	40.7	40.8	41.1	41.2	41.4	41.6	41.7	41.7	41.7	41.7	41.7	41.8	41.8	41.8
≥ 700	39.8	41.7	42.1	42.2	42.6	42.7	42.9	43.1	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3
≥ 600	40.6	42.6	43.0	43.1	43.5	43.6	43.9	44.0	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2
≥ 500	41.3	43.4	43.7	43.9	44.4	44.5	44.7	44.9	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.2
≥ 400	42.7	44.9	45.3	45.6	46.1	46.2	46.4	46.6	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.8
≥ 300	43.4	45.9	46.3	46.6	47.2	47.3	47.6	47.8	47.9	47.9	47.9	47.9	48.0	48.0	48.0	48.0
≥ 200	44.8	47.7	48.3	48.6	49.3	49.5	49.8	50.0	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.4
≥ 150	45.6	48.6	49.3	49.8	50.5	50.7	51.0	51.2	51.4	51.5	51.5	51.5	51.5	51.5	51.6	51.6
≥ 100	48.0	51.5	52.5	53.1	54.1	54.3	54.7	55.0	55.2	55.4	55.5	55.5	55.5	55.5	55.5	55.5
≥ 2500	50.9	55.4	57.0	57.8	59.3	59.6	60.4	60.8	61.1	61.4	61.5	61.5	61.5	61.6	61.6	61.6
≥ 2000	54.0	59.4	61.6	62.7	64.9	65.4	66.6	67.2	67.5	67.9	68.2	68.7	68.3	68.3	68.3	68.4
≥ 1800	55.0	60.8	63.1	64.2	66.5	67.1	68.4	69.0	69.3	69.8	70.1	70.1	70.2	70.2	70.2	70.3
≥ 1600	57.6	64.4	67.0	68.4	71.3	72.1	73.9	74.8	75.3	76.0	76.5	76.5	76.7	76.8	76.9	76.9
≥ 1400	58.9	66.1	68.9	70.4	73.7	74.5	76.7	77.7	78.4	79.2	79.8	79.8	80.1	80.1	80.2	80.3
≥ 1200	59.9	67.5	70.5	72.2	75.8	76.7	79.1	80.5	81.4	82.5	83.3	83.4	83.7	83.8	83.9	83.9
≥ 1000	60.1	67.9	71.1	72.9	76.7	77.7	80.1	81.7	82.7	83.9	84.7	84.8	85.2	85.2	85.4	85.4
≥ 900	60.7	68.7	72.0	73.8	77.7	78.8	81.3	83.0	84.2	85.4	86.6	86.6	87.1	87.2	87.4	87.4
≥ 800	61.0	69.7	72.6	74.5	78.5	79.7	82.3	84.1	85.5	86.9	88.1	88.2	88.7	88.8	89.0	89.0
≥ 700	61.0	69.4	72.9	74.9	79.1	80.4	83.1	85.2	86.7	88.3	89.6	89.7	90.3	90.3	90.5	90.6
≥ 600	61.1	69.7	73.4	75.4	79.8	81.2	84.1	86.3	88.1	89.9	91.6	91.8	92.5	92.5	92.9	93.1
≥ 500	61.1	69.7	73.5	75.5	80.1	81.6	84.6	87.0	89.1	91.1	93.1	93.3	94.2	94.2	94.6	94.9
≥ 400	61.1	69.8	73.5	75.6	80.3	81.9	85.0	87.5	90.1	92.3	94.6	94.9	96.2	96.4	97.0	97.4
≥ 300	61.1	69.8	73.5	75.7	80.3	81.9	85.0	87.6	90.4	92.8	95.3	95.6	97.2	97.7	98.5	99.0
≥ 200	61.1	69.8	73.5	75.7	80.3	81.9	85.0	87.6	90.5	92.9	95.3	95.7	97.4	97.9	98.7	99.7
≥ 100	61.1	69.8	73.5	75.7	80.3	81.9	85.0	87.6	90.5	92.9	95.3	95.7	97.4	97.9	98.7	99.7
≥ 0	61.1	69.8	73.5	75.7	80.3	81.9	85.0	87.6	90.5	92.9	95.3	95.7	97.4	97.9	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7437

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835

K I SAWYER AFB MI

1970

FEA

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 0	≥ 0.25	≥ 0.5	≥ 0.75	≥ 1.0	≥ 1.5	≥ 2.0	≥ 2.5	≥ 3.0	≥ 3.5	≥ 4.0	≥ 4.5	≥ 5.0	≥ 5.5	≥ 6.0	≥ 6.5
NO CEILING	34.2	36.1	36.3	36.6	36.9	36.9	37.0	37.1	37.2	37.2	37.4	37.4	37.4	37.5	37.5	37.5
≥ 2000	34.8	36.6	36.9	37.2	37.5	37.5	37.6	37.7	37.8	37.8	37.9	37.9	38.1	38.1	38.1	
≥ 1800	35.5	37.4	37.6	37.9	38.2	38.2	38.3	38.4	38.5	38.5	38.7	38.7	38.7	38.8	38.8	
≥ 1600	35.5	37.4	37.6	37.9	38.2	38.2	38.3	38.4	38.5	38.5	38.7	38.7	38.7	38.8	38.8	
≥ 1400	35.6	37.5	37.7	38.1	38.3	38.3	38.4	38.5	38.7	38.7	38.8	38.8	38.8	38.9	38.9	
≥ 1200	35.9	37.8	38.1	38.4	38.7	38.7	38.8	38.9	39.0	39.0	39.1	39.1	39.1	39.2	39.2	
≥ 1000	37.9	40.0	40.3	40.9	41.1	41.1	41.4	41.5	41.6	41.6	41.7	41.7	41.7	41.8	41.8	
≥ 800	38.3	40.3	40.7	41.3	41.5	41.5	41.7	41.8	42.0	42.0	42.1	42.1	42.1	42.2	42.2	
≥ 600	39.4	41.6	42.0	42.6	42.8	42.8	43.3	43.4	43.5	43.5	43.6	43.6	43.6	43.7	43.7	
≥ 400	40.9	43.1	43.5	44.1	44.3	44.3	44.8	44.9	45.0	45.0	45.2	45.2	45.2	45.3	45.3	
≥ 200	41.6	43.9	44.2	44.8	45.0	45.0	45.5	45.6	45.7	45.7	45.9	45.9	45.9	46.0	46.0	
≥ 100	44.3	46.8	47.2	47.8	48.0	48.0	48.5	48.6	48.7	48.7	48.8	48.8	48.8	48.9	48.9	
≥ 50	46.5	49.2	49.8	50.5	50.8	50.8	51.3	51.4	51.5	51.5	51.7	51.7	51.7	51.8	51.8	
≥ 25	48.0	50.9	51.7	52.4	53.0	53.1	53.5	53.7	53.8	53.8	53.9	53.9	53.9	54.0	54.0	
≥ 15	48.8	51.9	52.7	53.7	54.3	54.5	55.0	55.2	55.4	55.4	55.6	55.6	55.6	55.7	55.7	
≥ 10	50.6	54.7	56.0	57.3	58.2	58.4	59.0	59.2	59.5	59.5	59.9	59.9	59.9	60.0	60.0	
≥ 7.5	53.4	58.0	59.8	61.3	62.9	63.5	64.5	64.9	65.1	65.1	65.7	65.7	65.7	65.8	65.8	
≥ 5	58.4	63.6	65.7	67.5	69.4	70.1	71.5	71.9	72.5	72.6	73.2	73.2	73.2	73.4	73.4	
≥ 3	59.7	65.6	67.8	69.7	71.7	72.7	74.1	74.5	75.2	75.3	75.9	75.9	76.0	76.1	76.1	
≥ 2	61.9	68.1	71.0	72.9	75.4	76.5	78.4	79.0	79.9	80.0	80.6	80.6	80.7	80.9	80.9	
≥ 1.5	64.1	70.7	73.8	76.0	78.7	79.9	82.0	82.7	83.7	83.8	84.4	84.4	84.5	84.6	84.6	
≥ 1	65.0	72.0	75.3	77.8	80.5	81.8	84.2	85.3	86.3	86.5	87.4	87.4	87.8	87.9	87.9	
≥ 0.75	65.2	72.3	75.8	78.3	81.0	82.3	84.6	85.8	86.9	87.4	88.2	88.2	88.7	88.8	88.8	
≥ 0.5	65.4	72.7	76.4	78.8	81.8	83.2	85.6	86.9	87.9	88.5	89.4	89.4	89.8	90.0	90.0	
≥ 0.25	65.5	72.8	76.6	79.1	82.3	83.7	86.3	87.7	88.8	89.7	90.7	90.7	91.1	91.3	91.3	
≥ 0.15	65.8	73.2	77.0	79.6	82.9	84.5	87.5	88.9	90.0	91.0	92.1	92.1	92.6	92.7	92.7	
≥ 0.1	66.1	73.4	77.4	80.0	83.5	85.5	88.8	90.5	91.6	92.8	94.6	94.6	95.0	95.2	95.2	
≥ 0.075	66.1	73.4	77.4	80.0	83.6	85.6	89.0	90.9	92.0	93.1	95.3	95.3	95.7	95.9	95.9	
≥ 0.05	66.1	73.4	77.4	80.0	83.6	85.6	89.0	91.5	92.7	94.2	96.9	97.2	97.9	98.1	98.1	
≥ 0.025	66.1	73.4	77.4	80.0	83.6	85.6	89.0	91.5	93.0	94.6	97.4	97.6	98.6	98.8	99.1	
≥ 0.01	66.1	73.4	77.4	80.0	83.6	85.6	89.0	91.5	93.0	94.6	97.4	97.6	98.6	98.8	99.4	
≥ 0.005	66.1	73.4	77.4	80.0	83.6	85.6	89.0	91.5	93.0	94.6	97.4	97.6	98.6	98.8	99.4	

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835 K I SAWYER AFB MI

9-76

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1000	29.3	31.0	31.8	31.8	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	32.4
900	30.4	32.2	33.0	33.0	33.7	33.7	33.8	33.8	33.8	33.3	33.8	33.3	33.8	33.8	33.8	33.8	33.8	33.8	33.8
800	31.0	32.9	33.8	33.8	34.6	34.6	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
700	31.2	33.1	34.0	34.0	34.9	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
600	31.6	33.6	34.5	34.5	35.3	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
500	32.7	34.8	35.7	35.7	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
400	34.2	36.2	37.1	37.1	37.9	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
300	34.4	36.8	37.7	37.7	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
200	36.3	39.4	39.5	39.5	40.3	40.3	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
100	37.2	39.5	40.5	40.5	41.4	41.4	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
80	38.8	41.3	42.7	42.7	43.5	43.5	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
70	42.0	44.9	46.3	46.3	47.3	47.4	47.5	47.6	47.6	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
60	42.7	45.3	46.7	46.7	47.9	48.0	48.1	48.2	48.3	48.5	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6
50	43.3	46.7	48.2	48.5	50.0	50.1	50.4	50.5	50.6	50.7	50.7	50.7	50.7	50.8	50.8	50.8	50.8	50.8	50.8
40	43.9	47.8	49.4	49.6	51.2	51.4	51.8	51.9	52.0	52.1	52.1	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2
30	40.6	51.1	52.3	53.1	54.8	55.2	55.3	55.9	56.0	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5
20	49.2	54.8	57.2	57.4	60.2	60.6	61.6	62.1	62.3	62.9	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0
10	51.8	58.7	61.2	61.6	64.8	65.5	67.3	68.2	69.5	70.4	70.9	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2
800	53.2	60.9	62.9	63.2	66.4	67.1	69.0	70.0	71.5	72.2	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9
700	56.0	63.5	65.7	67.5	71.2	72.1	74.9	76.0	77.8	79.0	79.0	79.7	79.7	79.9	79.9	79.9	79.9	79.9	79.9
600	57.4	65.1	68.8	69.7	73.6	74.8	78.0	79.2	81.3	82.5	83.2	83.6	84.2	84.2	84.2	84.2	84.2	84.2	84.2
500	58.5	66.4	70.2	71.4	76.0	77.2	80.9	82.2	84.6	86.1	87.2	87.8	88.7	88.7	88.7	88.7	88.7	88.7	88.7
400	58.6	66.5	70.3	71.5	76.2	77.4	81.2	82.7	85.3	86.8	87.9	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4
300	58.9	66.9	70.8	72.0	77.0	78.3	82.0	83.7	86.4	87.9	89.2	90.2	90.4	90.9	90.9	90.9	90.9	90.9	90.9
200	59.0	67.1	71.2	72.5	77.6	79.1	83.0	84.9	87.7	89.2	90.7	91.5	92.4	92.7	93.4	93.4	93.4	93.4	93.4
100	59.0	67.4	71.4	72.8	78.3	79.6	83.5	85.3	88.2	89.7	91.1	92.0	92.8	93.1	93.9	93.9	93.9	93.9	93.9
80	59.3	67.8	71.9	73.3	78.5	80.1	84.2	85.2	89.2	90.8	92.6	93.4	94.7	95.0	95.7	95.9	95.9	95.9	95.9
70	59.3	68.0	72.0	73.4	79.0	80.3	84.6	85.8	90.0	91.5	93.3	94.1	95.4	96.2	96.7	96.8	96.8	96.8	96.8
60	59.3	68.0	72.0	73.4	79.1	80.5	85.1	87.5	91.0	92.8	94.7	95.5	96.9	97.6	98.3	98.5	98.5	98.5	98.5
50	59.3	68.0	72.0	73.4	79.1	80.5	85.1	87.5	91.0	92.8	94.8	95.6	97.4	98.2	98.9	99.2	99.2	99.2	99.2
40	59.3	68.0	72.0	73.4	79.1	80.5	85.1	87.5	91.0	92.8	94.8	95.6	97.4	98.2	98.9	99.2	99.2	99.2	99.2
30	59.3	68.0	72.0	73.4	79.1	80.5	85.1	87.5	91.0	92.8	94.8	95.6	97.4	98.2	98.9	99.2	99.2	99.2	99.2
20	59.3	68.0	72.0	73.4	79.1	80.5	85.1	87.5	91.0	92.8	94.8	95.6	97.4	98.2	98.9	99.2	99.2	99.2	99.2
10	59.3	68.0	72.0	73.4	79.1	80.5	85.1	87.5	91.0	92.8	94.8	95.6	97.4	98.2	98.9	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS

854

USAF ETAC

0-14-5 (DL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-75

FEET

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	VISIBILITY STATISTICS															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	33.0	34.3	34.8	34.8	35.0	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 2000	35.5	37.4	37.9	37.9	38.1	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 1800	36.2	38.2	38.7	38.7	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 1600	36.2	38.2	38.7	38.7	38.9	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 1400	37.6	39.8	40.2	40.2	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 1200	38.2	40.5	41.1	41.1	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 1000	40.0	42.4	43.0	43.0	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 900	40.2	42.6	43.2	43.2	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 800	40.8	43.3	43.9	43.9	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 700	42.6	45.3	46.0	46.0	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 600	44.0	46.7	47.7	47.7	47.9	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 500	45.8	49.0	49.9	50.1	50.3	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 450	46.3	49.5	50.4	50.5	50.8	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 400	47.7	51.5	52.4	52.5	52.8	53.1	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 350	49.3	53.4	54.6	54.8	55.1	55.6	55.7	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 300	51.5	56.4	57.9	58.6	58.9	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 2500	55.1	60.8	62.2	63.0	63.6	64.4	64.7	65.3	65.7	65.8	65.9	65.9	66.0	66.0	66.0	66.0
≥ 2000	59.6	65.8	67.7	68.9	70.8	71.7	72.4	73.6	74.2	75.0	75.1	75.3	75.4	75.4	75.4	75.4
≥ 1800	60.6	67.2	69.1	70.4	72.3	73.3	74.0	75.1	75.7	76.6	76.7	76.8	76.9	76.9	76.9	76.9
≥ 1500	62.5	69.8	72.1	73.6	76.6	77.6	79.2	80.5	81.2	82.1	82.4	82.5	82.7	82.7	82.7	82.7
≥ 1200	64.1	72.0	74.7	76.4	79.9	81.1	83.2	84.6	85.3	86.3	86.6	86.7	87.0	87.0	87.0	87.0
≥ 1000	64.7	72.7	75.6	77.5	81.8	83.3	86.2	87.8	88.6	89.7	90.7	90.9	91.2	91.2	91.2	91.2
≥ 900	65.0	72.9	75.9	77.8	82.1	83.7	86.5	88.3	89.3	90.4	91.4	91.6	92.0	92.0	92.0	92.0
≥ 800	65.1	73.0	76.0	77.9	82.6	84.1	87.1	88.9	89.9	91.0	92.4	92.7	93.0	93.0	93.1	93.1
≥ 700	65.1	73.0	76.0	77.9	82.6	84.1	87.3	89.1	90.2	91.2	93.0	93.4	93.8	94.0	94.8	94.8
≥ 600	65.1	73.0	76.0	77.9	82.6	84.1	87.3	89.3	90.4	91.5	93.4	93.8	94.4	94.6	95.4	95.4
≥ 500	65.3	73.3	76.3	78.2	83.3	85.1	88.5	90.9	92.1	93.3	95.3	95.9	96.6	96.7	97.8	97.8
≥ 400	65.3	73.3	76.3	78.2	83.3	85.1	88.5	91.0	92.2	93.4	95.4	96.0	96.7	96.8	97.9	97.9
≥ 300	65.3	73.3	76.3	78.2	83.3	85.1	88.6	91.2	92.4	93.7	95.9	96.4	97.2	97.3	98.6	98.7
≥ 200	65.3	73.3	76.3	78.2	83.3	85.1	88.6	91.2	92.4	93.7	95.9	96.4	97.3	97.6	99.2	99.6
≥ 100	65.3	73.3	76.3	78.2	83.3	85.1	88.6	91.2	92.4	93.7	95.9	96.4	97.3	97.6	99.2	100.0
≥ 0	65.3	73.3	76.3	78.2	83.3	85.1	88.6	91.2	92.4	93.7	95.9	96.4	97.3	97.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 845

USAF ETAC FORM 0-14-5 (OL A)

VERSIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB HI

9-78

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1500-1700

CEILING FEET	VISIBILITY STATISTICS														
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	36.8	37.7	37.8	37.8	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 2000	40	41.4	41.5	41.5	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
≥ 1800	41	42.1	42.2	42.2	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 1600	41	42.3	42.4	42.4	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 1400	42.1	43.0	43.1	43.1	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
≥ 1200	43.3	44.2	44.3	44.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 1000	45.3	46.2	46.3	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 900	45.7	46.7	46.8	46.9	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 800	46.7	47.8	48.1	48.2	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 700	48.6	49.9	50.4	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 600	49.6	50.9	51.4	51.5	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 500	51.4	52.7	53.3	53.7	54.3	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 450	52.0	53.3	53.9	54.3	54.8	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 400	53.9	55.7	56.3	56.6	57.3	57.6	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
≥ 350	55.1	57.2	57.8	58.2	58.9	59.1	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 300	57.9	60.3	61.2	61.7	62.6	62.9	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 250	62.1	65.1	66.7	67.1	68.1	68.3	68.9	69.3	69.4	69.5	69.5	69.5	69.5	69.5	69.5
≥ 200	65.0	69.7	72.2	72.8	74.2	74.6	75.6	76.4	76.8	77.3	77.3	77.3	77.4	77.4	77.4
≥ 1800	65.0	69.7	72.3	73.0	74.5	74.8	76.1	76.7	77.2	77.7	77.7	77.7	77.8	77.8	77.8
≥ 1500	66.1	71.5	74.6	75.4	77.2	77.9	79.7	80.9	81.6	82.5	82.7	83.1	83.3	83.3	83.6
≥ 1200	67.8	73.6	77.0	78.1	80.3	81.1	83.1	84.3	85.0	86.2	86.6	87.1	87.4	87.4	87.6
≥ 1000	68.8	75.2	78.6	79.9	82.2	83.2	86.1	87.2	87.9	89.5	90.3	90.8	91.1	91.1	91.4
≥ 900	68.9	75.4	79.0	80.3	82.6	83.7	86.6	87.8	88.5	90.1	90.9	91.4	91.8	91.8	92.1
≥ 800	69.4	76.0	79.6	80.9	83.2	84.3	87.2	88.8	89.7	91.3	92.3	92.8	93.5	93.6	93.9
≥ 700	69.5	76.1	79.8	81.1	83.5	84.5	87.5	89.0	90.0	91.5	92.0	93.0	93.9	94.1	94.9
≥ 600	69.5	76.1	79.8	81.1	83.6	84.6	87.9	89.5	90.4	92.0	93.0	93.5	94.8	95.0	95.9
≥ 500	69.5	76.2	79.9	81.2	83.7	84.9	88.2	90.1	91.0	92.6	93.6	94.1	95.6	95.9	96.7
≥ 400	69.5	76.2	79.9	81.3	83.8	85.0	88.5	90.5	91.5	93.1	94.4	94.9	96.6	96.9	97.8
≥ 300	69.5	76.2	79.9	81.3	83.8	85.0	88.5	90.5	91.6	93.6	95.2	95.6	97.4	97.8	98.6
≥ 200	69.5	76.2	79.9	81.3	83.8	85.0	88.5	90.5	91.6	93.6	95.5	96.0	98.0	98.5	99.9
≥ 100	69.5	76.2	79.9	81.3	83.8	85.0	88.5	90.5	91.6	93.6	95.5	96.0	98.0	98.5	99.5
≥ 0	69.5	76.2	79.9	81.3	83.8	85.0	88.5	90.5	91.6	93.6	95.5	96.0	98.0	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS

846

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE, MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-76

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0	
NO CEILING	40.7	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.5	41.7	41.7	41.7	41.7	41.7	41.7
≥ 20000	43.9	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.9	45.0	45.1	45.1	45.1	45.1	45.1
≥ 18000	44.5	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.6	45.7	45.8	45.8	45.8	45.8	45.8
≥ 16000	44.7	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.8	45.9	46.0	46.0	46.0	46.0	46.0
≥ 14000	45.7	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.7	46.9	47.0	47.0	47.0	47.0	47.0
≥ 12000	46.6	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	48.0	48.2	48.3	48.3	48.3	48.3	48.3
≥ 10000	48.4	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.8	49.9	50.1	50.1	50.1	50.1	50.1
≥ 9000	48.9	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.3	50.4	50.5	50.5	50.5	50.5	50.5
≥ 8000	49.3	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.8	50.9	51.0	51.0	51.0	51.0	51.0
≥ 7000	52.2	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.6	53.7	53.8	53.8	53.8	53.8	53.8
≥ 6000	53.3	54.9	54.9	55.0	55.0	55.0	55.3	55.3	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6
≥ 5000	55.1	56.8	56.9	57.0	57.3	57.3	57.5	57.5	57.6	57.8	57.9	57.9	57.9	57.9	57.9	57.9
≥ 4500	56.1	57.8	57.9	58.0	58.2	58.2	58.5	58.5	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8
≥ 4000	57.3	58.9	59.1	59.2	59.5	59.5	60.0	60.0	60.2	60.4	60.5	60.5	60.5	60.5	60.5	60.5
≥ 3500	58.5	60.4	60.7	60.8	61.3	61.4	61.8	61.8	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2
≥ 3000	60.7	63.0	63.3	63.6	64.1	64.3	64.9	65.0	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4
≥ 2500	62.7	65.8	66.5	67.0	67.6	68.0	69.1	69.2	69.5	69.7	69.8	69.8	69.8	69.8	69.8	69.8
≥ 2000	66.2	69.9	71.0	71.6	73.0	73.7	75.4	75.6	76.0	76.3	76.4	76.4	76.4	76.4	76.4	76.4
≥ 1800	66.4	70.3	71.5	72.1	74.1	74.9	76.6	76.8	77.2	77.5	77.6	77.6	77.6	77.6	77.6	77.6
≥ 1500	67.9	72.4	73.7	74.4	76.8	77.6	80.1	81.1	81.4	81.9	82.0	82.0	82.2	82.2	82.2	82.2
≥ 1200	68.6	73.7	75.1	76.2	79.2	80.0	82.5	83.9	84.3	84.7	85.1	85.1	85.3	85.3	85.3	85.3
≥ 1000	70.2	75.7	77.3	78.3	81.4	82.4	85.3	86.7	87.2	88.3	89.3	89.3	89.6	89.6	89.6	89.6
≥ 900	70.9	76.6	78.1	79.2	82.2	83.2	86.4	87.8	88.3	89.3	90.4	90.4	90.7	90.7	90.7	90.7
≥ 800	71.1	77.2	78.8	79.9	83.2	84.4	87.7	89.6	90.3	91.5	92.5	92.5	92.8	93.0	93.0	93.0
≥ 700	71.2	77.3	78.9	80.1	83.4	84.7	88.5	90.4	91.1	92.3	93.4	93.4	93.8	94.1	94.4	94.4
≥ 600	71.4	77.4	79.1	80.2	83.8	85.1	89.0	91.0	91.7	93.0	94.1	94.1	94.6	94.8	95.1	95.1
≥ 500	71.4	77.4	79.1	80.2	83.8	85.3	89.6	91.8	92.5	94.0	95.1	95.1	96.0	96.2	96.6	96.6
≥ 400	71.5	77.5	79.3	80.5	84.0	85.6	90.1	92.5	93.3	94.7	96.1	96.1	96.9	97.2	97.5	97.5
≥ 300	71.5	77.5	79.3	80.5	84.0	85.6	90.2	92.8	93.7	95.5	97.0	97.0	98.2	98.6	98.9	98.9
≥ 200	71.5	77.6	79.4	80.6	84.1	85.7	90.3	92.9	93.8	95.6	97.5	97.5	98.8	99.2	99.8	99.9
≥ 100	71.5	77.8	79.5	80.7	84.3	85.8	90.4	93.0	94.0	95.7	97.6	97.6	98.9	99.3	99.9	100.0
≥ 0	71.5	77.8	79.5	80.7	84.3	85.8	90.4	93.0	94.0	95.7	97.6	97.6	98.9	99.3	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 845

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836 K I SAWYER AFB MI

9-76

FE

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES																
	≥ 10	9	8	7	6	5	4	3	2	1	0.5	0.25	0.15	0.1	0.05	0	
NO CEILING ≥ 20000	41.7	42.2	42.3	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.9	42.9	42.9	42.9	43.0	43.0
IV 18000 ≥ 600	43.4	43.9	44.0	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.6	44.6	44.6	44.6	44.7	44.7
IV 14000 11000	43.7	44.3	44.6	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	45.3	45.3	45.3	45.3	45.4	45.4
IV 10000 9000	46.3	46.9	47.2	47.2	47.6	47.6	47.6	47.6	47.6	47.6	47.6	48.0	48.0	48.0	48.0	48.1	48.1
IV 8000 7000	46.5	47.0	47.3	47.3	47.8	47.8	47.8	47.8	47.8	47.8	47.8	48.1	48.1	48.1	48.1	48.2	48.2
IV 6000 5000	47.0	47.6	47.9	47.9	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.7	48.7	48.7	48.7	48.8	48.8
IV 4500 4000	48.0	48.9	49.2	49.3	49.9	49.9	49.9	49.9	49.9	49.9	49.9	50.2	50.2	50.2	50.2	50.4	50.4
IV 3500 3000	49.5	50.5	50.8	50.9	51.7	51.7	51.7	51.7	51.7	51.7	51.7	52.0	52.0	52.0	52.0	52.1	52.1
IV 2500 2000	52.0	53.2	53.7	53.9	54.7	54.8	54.8	54.8	54.8	54.8	54.8	55.2	55.2	55.2	55.2	55.3	55.3
IV 1800 1500	53.5	55.0	55.6	55.8	56.6	56.7	56.7	56.7	56.7	56.7	56.7	57.1	57.1	57.1	57.1	57.2	57.2
IV 1200 1000	54.5	56.1	56.7	57.0	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.5	58.5	58.5	58.5	58.6	58.6
IV 900 800	56.3	58.2	59.2	59.6	60.5	60.8	60.9	60.9	60.9	60.9	60.9	61.5	61.5	61.5	61.5	61.6	61.6
IV 700 600	58.0	60.4	61.7	62.3	63.5	63.8	64.2	64.3	64.3	64.3	64.3	64.9	64.9	64.9	64.9	65.0	65.0
IV 500 400	60.0	62.8	64.2	64.9	66.8	67.3	68.0	68.2	68.2	68.2	68.2	68.8	68.8	68.8	68.8	68.9	68.9
IV 300 200	63.4	66.7	68.3	69.5	71.7	72.3	73.4	74.1	74.2	74.3	74.3	74.9	74.9	75.1	75.1	75.2	75.2
IV 100 0	63.9	67.5	69.3	70.4	73.0	73.8	74.8	75.7	75.8	75.9	76.5	76.5	76.6	76.6	76.7	76.7	76.7
IV 0	66.9	71.3	73.2	74.5	77.2	77.9	79.6	80.5	80.6	80.9	81.4	81.4	81.6	81.6	81.7	81.7	81.7
IV 0	67.8	72.9	75.1	76.4	79.2	79.9	81.6	82.5	82.7	83.2	84.2	84.2	84.3	84.3	84.4	84.4	84.4
IV 0	68.6	73.9	76.0	77.3	80.3	81.0	83.3	84.5	84.8	85.9	87.0	87.0	87.1	87.1	87.4	87.4	87.4
IV 0	69.6	75.2	77.3	78.6	81.8	82.5	84.9	86.1	86.4	87.6	88.7	88.7	88.8	88.8	89.0	89.0	89.0
IV 0	69.7	75.3	77.4	78.7	82.3	83.0	85.7	87.0	87.4	88.7	89.7	89.7	89.8	89.8	90.1	90.1	90.1
IV 0	69.9	75.8	78.3	79.8	83.5	84.3	87.9	89.6	90.1	91.5	92.6	92.6	92.9	92.9	93.4	93.4	93.4
IV 0	69.9	75.8	78.3	79.9	83.8	84.6	88.8	90.4	90.9	92.4	93.5	93.5	93.9	93.9	94.3	94.3	94.3
IV 0	69.9	76.0	78.5	80.4	84.5	85.5	89.8	92.0	92.4	94.1	95.3	95.3	95.7	95.7	96.2	96.2	96.2
IV 0	70.0	76.2	78.7	80.6	84.9	85.8	90.3	92.8	93.4	95.3	96.7	96.7	97.2	97.2	97.6	97.6	97.6
IV 0	70.0	76.4	78.8	80.7	85.0	86.1	90.8	93.4	94.3	96.2	97.6	97.6	98.5	98.5	98.9	98.9	98.9
IV 0	70.0	76.5	79.0	80.9	85.1	86.2	90.9	93.5	94.6	96.5	97.9	97.9	98.8	98.8	99.6	99.6	99.6
IV 0	70.0	76.5	79.0	80.9	85.1	86.2	90.9	93.5	94.7	96.6	98.0	98.1	98.9	98.9	99.1	99.1	99.1
IV 0	70.0	76.5	79.0	80.9	85.1	86.2	90.9	93.5	94.7	96.6	98.0	98.1	98.9	98.9	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 846

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835 K I SAWYER AFB MI

19-72

FEF

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

STATUTE MILES

CEILING FEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING ≥ 2000	35.3	35.6	36.9	36.9	37.2	37.3	37.3	37.4	37.4	37.4	37.5	37.5	37.5	37.5	37.6	37.6
≥ 1800	37.1	38.6	38.8	38.9	39.2	39.2	39.3	39.3	39.4	39.4	39.5	39.5	39.5	39.5	39.6	39.6
≥ 1500	37.6	39.1	39.4	39.5	39.8	39.8	39.9	39.9	40.0	40.0	40.1	40.1	40.1	40.1	40.2	40.2
≥ 1000	38.3	39.9	40.2	40.2	40.6	40.6	40.7	40.7	40.7	40.8	40.9	40.9	40.9	40.9	40.9	40.9
≥ 500	39.1	40.7	41.0	41.1	41.5	41.5	41.6	41.7	41.7	41.7	41.8	41.8	41.8	41.9	41.9	41.9
≥ 10000	40.8	42.4	42.8	42.9	43.3	43.3	43.4	43.5	43.5	43.5	43.6	43.6	43.6	43.6	43.7	43.7
≥ 9000	41.1	42.8	43.1	43.2	43.6	43.6	43.8	43.8	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0
≥ 8000	42.0	43.8	44.1	44.3	44.7	44.7	44.9	44.9	45.0	45.0	45.1	45.1	45.1	45.1	45.2	45.2
≥ 7000	43.6	45.4	45.8	46.0	46.4	46.5	46.6	46.7	46.7	46.7	46.8	46.8	46.8	46.9	46.9	46.9
≥ 6000	44.8	46.8	47.3	47.4	47.9	48.0	48.2	48.2	48.2	48.3	48.3	48.4	48.4	48.4	48.4	48.4
≥ 500	47.0	49.2	49.7	49.9	50.6	50.7	50.9	51.0	51.0	51.0	51.1	51.2	51.2	51.2	51.2	51.2
≥ 4500	48.0	50.4	51.0	51.2	52.0	52.1	52.3	52.4	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.6
≥ 4000	49.6	52.2	52.9	53.1	54.0	54.2	54.4	54.5	54.6	54.6	54.7	54.8	54.8	54.8	54.8	54.8
≥ 3500	50.8	53.6	54.5	54.8	55.7	56.0	56.3	56.4	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7
≥ 3000	53.1	56.6	57.7	58.2	59.5	59.8	60.2	60.4	60.5	60.6	60.8	60.8	60.9	60.9	60.9	60.9
≥ 2500	55.9	60.4	61.9	62.5	64.3	64.8	65.6	66.0	66.2	66.3	66.6	66.6	66.7	66.7	66.7	66.7
≥ 2000	59.5	64.9	66.8	67.8	70.2	70.8	72.2	72.8	73.4	73.8	74.1	74.2	74.3	74.3	74.3	74.3
≥ 1800	60.5	66.2	68.2	69.2	71.8	72.5	73.9	74.6	75.1	75.5	75.8	75.9	76.0	76.0	76.1	76.1
≥ 1500	62.7	68.9	71.4	72.5	75.5	76.4	78.4	79.5	80.2	80.7	81.1	81.2	81.4	81.4	81.5	81.5
≥ 1200	64.2	71.0	73.7	75.1	78.5	79.4	81.6	82.9	83.7	84.3	84.9	85.0	85.3	85.3	85.4	85.4
≥ 1000	65.1	72.2	75.0	76.5	80.1	81.2	83.9	85.4	86.2	87.2	88.1	88.3	88.8	88.8	88.9	88.9
≥ 900	65.5	72.7	75.6	77.1	80.8	81.8	84.6	86.1	87.1	88.1	89.0	89.2	89.7	89.7	89.8	89.8
≥ 800	65.7	73.0	76.0	77.5	81.4	82.5	85.4	87.1	88.2	89.3	90.3	90.5	91.1	91.1	91.2	91.2
≥ 700	65.9	73.3	76.4	78.0	82.0	83.2	86.4	88.2	89.3	90.6	91.7	91.9	92.6	92.7	93.1	93.1
≥ 600	66.0	73.5	76.7	78.4	82.6	83.8	87.3	89.1	90.3	91.7	92.8	93.1	93.7	93.9	94.3	94.3
≥ 500	66.2	73.8	77.0	78.8	83.2	84.6	88.2	90.3	91.5	93.0	94.3	94.6	95.5	95.6	96.1	96.1
≥ 400	66.2	73.9	77.1	78.9	83.4	84.7	88.5	90.8	92.0	93.6	95.1	95.4	96.3	96.5	97.0	97.0
≥ 300	66.2	73.9	77.1	78.9	83.4	84.8	88.7	91.2	92.7	94.4	96.1	96.5	97.7	97.9	98.4	98.5
≥ 200	66.2	74.0	77.2	79.0	83.4	84.8	88.7	91.3	92.8	94.6	96.5	96.9	98.2	98.6	99.3	99.5
≥ 100	66.2	74.0	77.2	79.0	83.4	84.9	88.7	91.3	92.9	94.7	96.5	96.9	98.3	98.6	99.4	100.0
≥ 0	66.2	74.0	77.2	79.0	83.4	84.9	88.7	91.3	92.9	94.7	96.5	96.9	98.3	98.6	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 6766

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836 K I SAWYER AFB MI

69-70

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	45.9	47.0	48.0	48.2	48.3	48.3	48.3	48.4	48.4	48.6	48.7	48.7	48.7	48.8	48.8	
≥ 20000	46.9	48.1	49.0	49.2	49.4	49.4	49.4	49.5	49.5	49.7	49.8	49.8	49.8	49.9	49.9	
≥ 8000	46.9	48.1	49.0	49.2	49.4	49.4	49.4	49.5	49.5	49.7	49.8	49.8	49.8	49.9	49.9	
≥ 6000	47.0	48.2	49.1	49.4	49.5	49.5	49.5	49.6	49.6	49.8	49.9	49.9	49.9	50.0	50.0	
≥ 14000	48.2	49.4	50.3	50.5	50.6	50.6	50.6	50.8	50.8	51.0	51.1	51.1	51.1	51.2	51.2	
≥ 12000	48.8	50.1	51.1	51.3	51.4	51.4	51.4	51.5	51.5	51.7	51.8	51.8	51.8	51.9	51.9	
≥ 10000	50.3	51.6	52.6	52.8	52.9	52.9	52.9	53.0	53.0	53.2	53.3	53.3	53.3	53.4	53.4	
≥ 9000	50.5	52.2	53.1	53.3	53.4	53.4	53.4	53.5	53.5	53.8	53.9	53.9	53.9	54.0	54.0	
≥ 8000	51.2	52.8	53.8	54.0	54.1	54.1	54.1	54.2	54.2	54.4	54.5	54.5	54.5	54.6	54.6	
≥ 7000	52.6	54.3	55.4	55.6	55.7	55.7	55.7	55.8	55.8	56.0	56.1	56.1	56.1	56.2	56.2	
≥ 6000	53.0	55.1	56.1	56.3	56.5	56.5	56.5	56.6	56.6	56.8	56.9	56.9	56.9	57.0	57.0	
≥ 5000	54.7	57.1	58.2	58.4	58.5	58.5	58.5	58.6	58.6	58.8	58.9	58.9	58.9	59.0	59.0	
≥ 4500	55.5	58.0	59.0	59.2	59.4	59.4	59.4	59.5	59.5	59.7	59.8	59.8	59.8	59.9	59.9	
≥ 4000	56.6	59.5	60.5	60.8	61.2	61.2	61.2	61.3	61.5	61.7	61.8	61.8	61.8	61.9	61.9	
≥ 3500	57.4	60.3	61.4	61.6	62.3	62.3	62.3	62.4	62.6	62.8	62.9	62.9	62.9	63.0	63.0	
≥ 3000	60.0	63.0	64.2	64.5	65.3	65.3	65.3	65.4	65.6	65.8	65.9	65.9	65.9	66.0	66.0	
≥ 2500	61.8	65.4	67.1	67.8	69.0	69.1	69.2	69.4	69.6	69.8	69.9	69.9	69.9	70.0	70.0	
≥ 2000	64.7	68.4	70.3	71.1	72.5	72.6	73.1	73.8	74.1	74.3	74.4	74.4	74.4	74.5	74.5	
≥ 1800	65.5	69.1	71.1	71.8	73.2	73.3	73.9	74.7	75.1	75.3	75.4	75.4	75.4	75.5	75.5	
≥ 1500	67.0	70.8	72.8	73.5	75.5	75.6	76.3	77.8	78.3	78.5	78.6	78.6	78.6	78.7	78.7	
≥ 1200	68.1	71.8	74.2	75.1	77.3	77.5	78.5	80.0	80.8	81.0	81.1	81.1	81.1	81.2	81.2	
≥ 1000	68.4	72.4	74.7	75.8	78.2	78.4	79.6	81.2	81.9	82.4	82.5	82.5	82.5	82.6	82.6	
≥ 900	66.8	72.9	75.3	76.5	78.8	79.0	80.3	82.0	82.8	83.2	83.5	83.5	83.5	83.7	83.7	
≥ 800	68.9	73.3	75.8	77.1	79.7	79.9	81.3	83.2	84.1	84.6	85.3	85.3	85.3	85.4	85.4	
≥ 700	69.0	73.4	76.0	77.3	80.0	80.3	81.9	84.0	84.9	85.7	87.0	87.0	87.1	87.2	87.2	
≥ 600	69.0	73.5	76.1	77.4	80.3	80.6	82.3	84.6	85.7	86.7	88.1	88.2	88.3	88.4	88.4	
≥ 500	69.0	73.7	76.3	78.1	81.2	81.5	83.8	86.2	87.3	88.4	89.9	90.0	90.2	90.2	90.6	90.6
≥ 400	69.0	73.8	76.5	78.2	81.4	81.9	84.3	87.1	88.4	89.6	91.8	92.0	92.5	92.5	92.9	92.9
≥ 300	69.0	73.8	76.5	78.2	81.4	82.2	84.6	88.2	90.2	91.6	94.1	94.3	94.8	94.9	95.6	95.7
≥ 200	69.1	73.9	76.6	78.3	81.5	82.3	84.7	88.3	90.8	92.2	94.9	95.2	96.2	96.7	98.1	98.5
≥ 100	69.1	73.9	76.6	78.3	81.5	82.3	84.7	88.3	90.8	92.4	95.2	95.4	96.5	96.9	98.6	99.7
≥ 0	69.1	73.9	76.6	78.3	81.5	82.3	84.7	88.3	90.8	92.4	95.2	95.4	96.5	96.9	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-76

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

0200-0500

CEILING FEET	VISIBILITY FEET															
	≥10	20	≥5	24	20	20	20	20	20	20	20	20	20	20	20	20
IV 2000	43.8	44.6	44.8	45.1	45.5	45.5	45.6	45.9	45.9	45.9	46.1	46.1	46.2	46.2	46.3	46.5
IV 1800	45.2	46.3	46.8	47.0	47.4	47.4	47.5	47.8	47.8	47.8	48.1	48.1	48.2	48.2	48.3	48.4
IV 1600	45.4	46.6	47.0	47.2	47.6	47.6	47.7	48.1	48.1	48.1	48.3	48.3	48.4	48.4	48.5	48.6
IV 1400	46.8	48.0	48.4	48.6	49.0	49.0	49.1	49.5	49.5	49.5	49.7	49.7	49.8	49.8	49.9	50.0
IV 1200	47.0	48.2	48.6	48.8	49.2	49.2	49.4	49.7	49.7	49.7	49.9	49.9	50.0	50.0	50.1	50.2
IV 1000	47.8	49.0	49.5	49.7	50.1	50.1	50.2	50.5	50.5	50.5	50.8	50.8	50.9	50.9	51.0	51.1
IV 800	48.6	49.8	50.2	50.4	50.9	50.9	51.0	51.3	51.3	51.3	51.5	51.5	51.6	51.6	51.7	51.8
IV 600	49.5	50.6	51.1	51.3	51.7	51.7	51.8	52.2	52.2	52.2	52.4	52.4	52.5	52.5	52.6	52.7
IV 500	50.4	51.6	52.0	52.3	52.7	52.7	52.8	53.1	53.1	53.1	53.3	53.3	53.4	53.4	53.5	53.7
IV 400	50.9	52.0	52.5	52.8	53.3	53.3	53.4	53.8	53.8	53.8	54.0	54.0	54.1	54.1	54.2	54.3
IV 300	52.7	54.3	54.7	55.2	55.7	55.7	55.8	56.1	56.1	56.1	56.3	56.3	56.5	56.5	56.6	56.7
IV 200	53.7	55.4	55.8	56.2	56.9	56.9	57.0	57.3	57.3	57.3	57.6	57.6	57.7	57.7	57.8	58.0
IV 100	55.1	56.9	57.3	57.7	58.4	58.4	58.5	58.8	58.8	58.8	59.1	59.1	59.2	59.2	59.4	59.5
IV 0	55.9	58.1	58.5	58.9	59.6	59.6	59.7	60.0	60.0	60.0	60.3	60.3	60.4	60.4	60.5	60.6
IV 2500	58.1	60.6	61.4	61.8	62.6	62.6	62.7	63.0	63.0	63.0	63.3	63.3	63.4	63.4	63.5	63.7
IV 2000	59.4	62.7	63.8	64.5	65.7	65.7	65.8	66.3	66.3	66.3	66.7	66.7	66.8	66.8	66.9	67.0
IV 1800	61.6	65.2	66.6	67.4	69.4	69.6	70.0	70.8	70.8	70.8	71.1	71.1	71.2	71.2	71.3	71.4
IV 1600	62.3	65.9	67.3	68.4	70.4	70.6	71.2	72.0	72.0	72.0	72.4	72.4	72.5	72.5	72.6	72.7
IV 1400	64.2	67.8	69.6	70.6	73.1	73.3	74.0	75.6	75.9	76.0	76.3	76.3	76.5	76.5	76.6	76.7
IV 1200	65.3	69.0	70.9	71.9	74.6	74.9	76.0	77.7	78.1	78.3	78.6	78.6	78.7	78.7	78.8	78.9
IV 1000	66.1	70.0	71.8	73.0	76.1	76.5	78.1	79.8	80.1	80.3	80.6	80.6	80.8	80.8	80.9	81.0
IV 800	66.5	70.5	72.5	73.8	76.9	77.3	78.9	80.9	81.2	81.4	82.2	82.2	82.3	82.3	82.4	82.5
IV 600	66.7	70.8	72.9	74.2	77.5	78.1	79.7	81.9	82.4	82.6	83.4	83.4	83.7	83.7	83.8	83.9
IV 500	66.7	70.8	72.9	74.3	77.6	78.2	79.8	82.3	82.7	83.1	84.9	84.9	85.2	85.2	85.3	85.4
IV 400	66.8	70.9	73.0	74.4	78.1	78.5	80.4	83.4	83.9	84.4	86.3	86.3	86.6	86.6	86.7	86.8
IV 300	66.8	70.9	73.1	74.7	79.2	79.8	82.3	85.4	86.1	86.9	88.8	88.9	89.1	89.4	89.6	89.7
IV 200	66.8	71.0	73.2	74.8	79.5	80.1	82.7	86.3	87.2	88.0	90.1	90.2	90.5	90.8	91.0	91.1
IV 100	66.9	71.1	73.3	74.9	79.7	80.3	83.3	87.0	88.3	89.1	91.7	91.9	92.6	92.8	93.2	93.5
IV 0	66.9	71.1	73.3	74.9	79.7	80.3	83.4	87.6	88.9	90.0	93.0	93.4	94.9	95.2	96.9	97.5
IV 0	66.9	71.1	73.3	74.9	79.7	80.3	83.4	87.7	89.0	90.1	93.1	93.5	95.1	95.4	98.0	99.8
IV 0	66.9	71.1	73.3	74.9	79.7	80.3	83.4	87.7	89.0	90.1	93.1	93.5	95.1	95.4	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

94836

K I SA-YER AFB HI

9-78

MA

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

CEILING FEET	US STANDARD METERS															
	20	26	28	34	37	43	47	52	58	64	70	76	82	88	94	100
≥ 2000	41.6	42.9	43.2	43.4	43.6	43.6	43.6	43.8	43.8	43.9	43.9	43.9	44.0	44.0	44.0	44.1
≥ 1800	42.3	44.3	44.6	45.0	45.2	45.2	45.2	45.4	45.4	45.5	45.5	45.5	45.6	45.6	45.6	45.7
≥ 1600	43.1	44.6	44.8	45.2	45.4	45.4	45.4	45.6	45.6	45.7	45.7	45.7	45.9	45.9	45.9	46.0
≥ 1400	43.3	44.8	45.1	45.5	45.7	45.7	45.7	46.0	46.0	46.1	46.1	46.1	46.2	46.2	46.2	46.3
≥ 1200	44.2	45.9	46.2	46.5	46.8	46.8	46.8	47.0	47.0	47.1	47.1	47.1	47.3	47.3	47.3	47.4
≥ 1000	45.3	47.1	47.6	48.0	48.3	48.3	48.3	48.5	48.5	48.7	48.7	48.7	48.8	48.8	48.8	48.9
≥ 800	45.9	47.9	48.3	48.8	49.1	49.2	49.2	49.4	49.4	49.5	49.5	49.5	49.6	49.6	49.6	49.7
≥ 600	46.3	48.3	48.8	49.2	49.5	49.6	49.6	49.8	49.8	49.9	49.9	49.9	50.1	50.1	50.1	50.2
≥ 400	47.5	49.5	49.9	50.4	50.7	50.8	50.9	51.1	51.1	51.2	51.3	51.3	51.5	51.5	51.5	51.7
≥ 200	48.3	50.4	50.8	51.2	51.7	51.8	51.9	52.1	52.1	52.2	52.3	52.3	52.4	52.4	52.4	52.6
≥ 100	48.8	50.8	51.2	51.7	52.1	52.2	52.3	52.5	52.5	52.6	52.7	52.7	52.9	52.9	52.9	53.1
≥ 500	50.1	52.4	53.0	53.4	53.9	54.0	54.1	54.4	54.4	54.5	54.6	54.6	54.7	54.7	54.7	54.9
≥ 400	51.3	54.0	54.6	55.0	55.9	56.1	56.3	56.5	56.5	56.6	56.7	56.7	56.8	56.8	56.8	57.1
≥ 300	52.2	55.1	55.7	56.1	57.4	57.7	58.0	58.4	58.4	58.6	58.8	58.8	58.9	58.9	58.9	59.1
≥ 200	53.2	56.1	56.6	57.1	58.3	58.7	59.0	59.5	59.5	59.6	59.8	59.8	60.0	60.0	60.0	60.2
≥ 100	54.7	58.0	58.9	59.4	61.7	62.0	62.3	63.0	63.0	63.1	63.3	63.3	63.4	63.4	63.4	63.6
≥ 500	55.9	60.2	61.2	61.8	63.7	65.0	65.6	66.5	66.5	66.7	67.0	67.0	67.1	67.1	67.1	67.3
≥ 400	57.1	61.7	63.0	63.8	67.3	67.6	68.4	69.3	69.5	69.8	70.0	70.0	70.2	70.2	70.2	70.4
≥ 300	57.4	62.0	63.4	64.3	67.8	68.1	68.9	69.9	70.1	70.3	70.5	70.5	70.7	70.7	70.7	70.9
≥ 200	58.9	63.9	65.4	66.3	70.0	70.3	71.7	72.9	73.5	73.7	74.1	74.1	74.3	74.3	74.3	74.5
≥ 100	60.0	65.1	66.6	67.7	71.8	72.2	73.8	75.0	75.8	76.1	76.5	76.6	76.9	77.0	77.0	77.2
≥ 500	61.4	66.5	68.0	69.1	73.2	73.7	75.5	76.7	77.5	77.8	78.4	78.5	78.7	78.8	78.8	79.0
≥ 400	61.9	67.2	68.7	69.8	74.2	74.7	76.4	77.8	78.7	79.0	80.1	80.2	80.4	80.5	80.5	80.7
≥ 300	62.1	67.4	69.0	70.2	74.7	75.5	77.2	78.8	79.9	80.2	81.5	81.6	81.8	81.9	81.9	82.1
≥ 200	62.5	67.8	69.4	70.8	75.8	76.5	78.3	80.2	81.4	82.2	84.0	84.1	84.4	84.5	84.5	84.7
≥ 100	62.5	68.1	69.8	71.2	76.4	77.3	79.5	81.2	82.3	83.5	85.5	85.6	86.1	86.2	86.2	86.4
≥ 500	62.6	68.4	70.1	71.5	77.0	77.9	80.9	82.9	84.5	86.1	88.3	88.4	88.9	89.1	89.3	89.6
≥ 400	62.8	68.5	70.3	71.8	77.5	78.5	81.7	83.9	85.7	87.3	89.5	89.6	90.2	90.6	91.0	91.3
≥ 300	62.8	68.6	70.6	72.3	78.3	79.3	82.7	84.8	86.9	89.0	91.2	91.4	92.5	93.0	93.8	94.3
≥ 200	62.8	68.6	70.6	72.3	78.4	79.4	83.0	85.8	87.8	90.5	92.9	93.1	94.5	95.3	97.0	98.3
≥ 100	62.8	68.6	70.6	72.3	78.4	79.4	83.0	85.8	87.8	90.5	93.0	93.2	94.6	95.5	97.7	100.0
≥ 500	62.8	68.6	70.6	72.3	78.4	79.4	83.0	85.8	87.8	90.5	93.0	93.2	94.6	95.5	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94826 K I SAWYER AFB MI

9-73

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	≥ 10	20	25	24	20	2	24	2	24	2	24	2	24	2	24	2	24	2
≥ 2500	36.9	38.3	38.5	38.7	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
≥ 2000	38.6	40.2	40.4	40.5	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 1800	39.0	40.6	40.9	41.1	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 1600	39.5	41.2	41.4	41.6	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 1400	40.3	42.0	42.3	42.5	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
≥ 1200	41.7	43.7	43.9	44.1	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 1000	43.1	45.1	45.3	45.5	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	46.0
≥ 900	44.1	46.1	46.2	46.6	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 800	46.8	48.8	49.0	49.2	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
≥ 700	47.6	49.7	49.9	50.1	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 600	48.1	50.3	50.5	50.8	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
≥ 500	49.2	51.9	52.2	52.4	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
≥ 450	49.9	52.8	53.1	53.3	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
≥ 400	51.4	54.8	55.2	55.5	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	56.3
≥ 350	51.8	55.4	55.9	56.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 300	53.2	57.3	58.0	58.3	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 2500	55.5	60.2	61.3	61.6	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 2000	57.3	62.2	63.3	63.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 1800	57.7	62.6	63.8	64.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 1500	59.9	65.4	67.0	67.8	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 1200	61.3	67.0	68.8	69.8	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	72.8
≥ 1000	61.8	67.5	69.4	70.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 900	62.4	68.1	69.9	71.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 800	62.7	68.4	70.2	71.6	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 700	62.9	68.9	70.9	72.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 600	63.1	69.5	71.5	73.1	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
≥ 500	63.3	69.8	71.8	73.9	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 400	63.3	69.9	71.9	74.0	78.8	79.1	81.4	83.2	84.7	86.6	87.5	89.7	90.6	90.8	91.9	91.9	91.9	91.9
≥ 300	63.3	69.9	71.9	74.1	78.9	79.4	81.7	83.9	85.5	87.4	90.4	90.9	91.9	92.5	93.9	94.2	94.2	94.2
≥ 200	63.3	69.9	71.9	74.1	78.9	79.5	81.7	84.2	85.8	88.1	91.9	92.4	93.9	94.6	96.5	96.5	96.5	96.5
≥ 100	63.3	69.9	71.9	74.1	78.9	79.5	81.7	84.2	85.8	88.1	92.0	92.5	94.2	94.9	97.6	100.0	100.0	100.0
≥ 0	63.3	69.9	71.9	74.1	78.9	79.5	81.7	84.2	85.8	88.1	92.0	92.5	94.2	94.9	97.6	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAUER AFB MI

9-70

MAK

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
≥ 2000	39.9	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	40.1	40.1
≥ 1500	40.3	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 1000	40.8	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 750	41.7	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 500	42.2	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 250	43.5	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	43.8	43.8
≥ 100	44.8	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	45.1	45.1
≥ 50	46.2	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 25	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 10	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 5	51.8	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 2	51.9	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 1	53.1	53.9	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 1/2	54.7	55.6	55.9	55.9	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 1/4	58.2	60.1	60.5	60.6	60.9	61.0	61.0	61.2	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 1/8	60.8	63.4	64.1	64.4	64.7	65.1	65.5	65.8	65.8	65.9	66.0	66.0	66.0	66.0	66.0	66.0
≥ 1/16	63.2	66.6	67.7	68.2	68.6	68.9	69.6	70.2	70.2	70.5	70.5	70.8	70.8	70.8	70.8	70.8
≥ 1/32	63.5	67.1	68.3	68.7	69.1	69.5	70.1	70.9	70.9	71.2	71.4	71.4	71.4	71.4	71.4	71.4
≥ 1/64	67.1	71.1	72.4	73.1	73.9	74.5	75.6	76.6	76.6	77.0	77.2	77.3	77.5	77.5	77.6	77.6
≥ 1/128	68.9	74.0	75.5	76.2	77.3	78.1	79.4	80.3	80.3	80.8	81.0	81.1	81.3	81.3	81.4	81.4
≥ 1/256	69.6	75.2	76.9	77.8	79.2	80.0	81.5	82.5	82.5	82.9	83.3	83.4	83.8	83.8	83.9	83.9
≥ 1/512	70.0	75.8	77.6	78.6	80.0	80.9	82.5	83.4	83.4	83.9	84.3	84.4	84.8	84.8	84.9	84.9
≥ 1/1024	70.3	76.6	78.5	79.8	81.3	82.2	83.8	84.7	84.7	85.2	85.7	85.8	86.6	86.6	86.7	86.7
≥ 1/2048	70.5	76.6	78.5	79.9	81.7	82.6	84.4	85.8	85.8	86.6	87.3	87.5	88.3	88.4	88.5	88.5
≥ 1/4096	70.3	76.8	78.8	80.3	82.4	83.2	85.2	86.7	86.8	87.6	88.5	88.7	89.5	89.6	89.7	89.7
≥ 1/8192	70.5	77.1	79.1	80.6	82.9	83.9	86.0	88.0	88.4	89.5	90.8	91.0	92.0	92.2	92.4	92.4
≥ 1/16384	70.5	77.1	79.1	80.6	83.2	84.2	86.5	88.7	89.2	90.3	91.8	92.0	93.1	93.2	93.4	93.4
≥ 1/32768	70.5	77.1	79.1	80.6	83.3	84.3	86.7	89.5	90.2	91.3	93.2	93.7	95.1	95.3	95.7	96.5
≥ 1/65536	70.5	77.1	79.1	80.6	83.3	84.3	86.7	89.5	90.3	91.4	93.7	94.2	95.7	95.9	97.2	100.0
≥ 1/131072	70.5	77.1	79.1	80.6	83.3	84.3	86.7	89.5	90.3	91.4	93.7	94.2	95.7	95.9	97.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835

K I SAWYER AFB MI

9-70

1500-1700

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1500-1700

CEILING	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
∞	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
∞	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	42.7	42.7	42.7	42.7
∞	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
∞	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
∞	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
∞	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
∞	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
∞	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	49.4	49.4	49.4
∞	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
∞	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	51.9	51.9	51.9	51.9	51.9	51.9
∞	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
∞	55.2	55.5	55.5	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	55.8	55.8	55.8
∞	56.0	56.3	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	56.6	56.6	56.6
∞	57.4	57.7	57.7	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
∞	59.0	59.6	59.6	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
∞	62.5	63.8	64.2	64.4	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
∞	65.7	67.8	68.7	68.9	69.8	69.8	70.0	70.0	70.0	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
∞	68.9	71.5	72.9	73.1	74.4	74.4	74.7	74.9	75.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
∞	70.0	72.6	74.2	74.4	75.7	75.7	76.0	76.3	76.6	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
∞	72.8	76.1	78.6	79.1	80.6	80.8	81.5	81.8	82.1	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
∞	73.8	77.8	80.6	81.2	82.9	83.1	83.9	84.2	84.5	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
∞	74.2	78.6	81.6	82.1	84.3	84.6	85.9	86.3	86.8	87.5	87.6	87.6	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
∞	74.4	78.8	81.9	82.5	84.7	85.0	86.3	86.8	87.2	87.9	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.3
∞	74.5	79.1	82.5	83.0	85.4	85.7	87.2	87.9	88.5	89.2	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.7
∞	74.5	79.1	82.5	83.0	85.7	86.0	87.7	88.6	89.2	90.0	90.4	90.4	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0
∞	74.6	79.4	82.8	83.4	86.3	86.7	88.5	89.3	90.2	91.0	91.5	91.5	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.4
∞	74.6	79.5	83.1	83.7	87.0	87.3	89.2	90.4	91.5	92.2	92.8	92.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	94.4
∞	74.6	79.5	83.1	83.7	87.0	87.3	89.5	91.0	92.0	92.8	93.3	93.4	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	95.3
∞	74.6	79.5	83.1	83.9	87.2	87.5	89.7	91.3	92.6	93.4	94.4	94.4	94.5	95.6	96.2	96.4	96.4	96.4	96.4	96.4	97.4
∞	74.6	79.5	83.1	83.9	87.2	87.5	89.7	91.3	92.6	93.4	94.7	94.7	94.8	95.9	96.9	97.8	97.8	97.8	97.8	97.8	99.0
∞	74.6	79.5	83.1	83.9	87.2	87.5	89.7	91.3	92.6	93.4	94.7	94.7	94.8	95.9	96.9	98.0	98.0	98.0	98.0	98.0	100.0
∞	74.6	79.5	83.1	83.9	87.2	87.5	89.7	91.3	92.6	93.4	94.7	94.7	94.8	95.9	96.9	98.0	98.0	98.0	98.0	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAJ

CEILING VERSUS VISIBILITY

94836

K I SAAYEK AFB MI

9-76

1A5

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	WIND DIRECTION (MILES)															
	20	25	31	34	35	36	37	38	39	40	41	42	43	44	45	46
NO CEILING	44.2	44.4	44.7	44.7	44.8	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
2 2000	46.8	47.1	47.4	47.4	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
2 1800	47.4	47.7	48.1	48.1	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
2 1600	47.5	47.8	48.2	48.2	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
2 1400	48.7	49.0	49.4	49.4	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
2 1200	50.0	50.4	50.9	50.9	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
2 1000	51.6	52.0	52.5	52.5	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
2 800	51.8	52.3	52.8	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
2 600	53.1	53.7	54.3	54.3	54.4	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
2 400	54.1	54.6	55.3	55.3	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
2 300	55.7	56.2	56.9	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
2 200	57.2	57.8	58.5	58.5	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
2 1500	58.1	58.9	59.6	59.6	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
2 1000	59.5	60.4	61.1	61.1	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
2 800	60.9	61.8	62.5	62.6	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
2 600	63.3	64.5	65.4	65.6	66.2	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
2 400	66.0	68.3	69.6	70.0	70.9	70.9	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
2 300	68.3	71.5	73.1	73.7	74.6	74.6	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4
2 200	69.2	72.7	74.3	74.6	75.9	76.0	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
2 1500	71.8	75.6	77.5	78.3	79.5	79.6	80.4	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6
2 1000	73.2	77.7	79.9	80.8	82.3	82.4	83.4	83.7	83.7	83.8	83.9	83.9	84.1	84.1	84.1	84.1
2 800	73.5	78.5	80.9	81.7	83.2	83.3	84.4	84.8	85.3	85.8	86.1	86.1	86.3	86.3	86.3	86.3
2 600	73.5	78.5	80.9	81.7	83.5	83.7	84.7	85.2	85.6	86.1	86.5	86.5	86.8	86.8	86.8	86.8
2 400	73.8	78.9	81.4	82.6	84.5	84.6	85.7	86.3	86.8	87.3	88.1	88.5	88.5	88.5	88.5	88.5
2 300	73.8	78.9	81.4	82.6	84.7	84.8	86.0	86.7	87.1	87.7	88.6	88.8	89.0	89.1	89.1	89.1
2 200	73.8	78.9	81.4	82.6	84.7	84.8	86.2	87.0	87.6	88.4	89.4	89.6	89.8	89.9	89.9	89.9
2 1500	74.1	79.2	81.8	83.0	85.8	86.0	87.8	88.9	89.6	90.4	91.7	92.0	92.9	93.0	93.0	93.0
2 1000	74.1	79.2	81.8	83.0	85.9	86.2	88.1	89.2	90.0	91.0	92.6	92.9	93.9	94.3	94.5	94.5
2 800	74.1	79.4	81.9	83.2	86.1	86.6	88.4	89.6	90.3	91.4	93.3	93.7	94.8	95.6	96.1	96.6
2 600	74.1	79.4	81.9	83.2	86.2	86.7	88.5	89.7	90.4	91.7	93.8	94.2	95.8	97.0	97.8	98.6
2 400	74.1	79.4	81.9	83.2	86.2	86.7	88.5	89.7	90.4	91.7	93.8	94.2	96.0	97.2	98.2	99.8
2 300	74.1	79.4	81.9	83.2	86.2	86.7	88.5	89.7	90.4	91.7	93.8	94.2	96.0	97.2	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 936

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

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K I SAWYER AFB MI

9-76

MAK

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

CEILING	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
2000	48.6	49.7	50.0	50.0	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.3
1500	50.4	51.5	51.8	51.8	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.2
1000	51.0	52.0	52.4	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.7
500	51.3	52.4	52.7	52.7	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	53.0
400	51.7	53.0	53.3	53.3	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.7
300	53.1	54.4	54.7	54.7	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.1
200	53.4	54.7	55.1	55.1	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4
100	53.8	55.4	55.7	55.7	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.0
50	54.3	55.9	56.2	56.2	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.6
25	55.3	56.9	57.2	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.5
15	56.7	58.4	58.7	58.7	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0
10	58.9	60.6	61.0	61.0	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.3
5	60.0	61.7	62.0	62.0	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5
2	61.9	63.8	64.1	64.1	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.8
1	62.6	64.4	64.8	65.1	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.8
0.5	64.9	66.8	67.3	67.6	68.5	68.6	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9
0.25	67.3	69.7	70.6	71.2	72.4	72.6	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.1
0.1	69.4	72.0	73.3	74.1	76.0	76.2	77.0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.5
0.05	70.4	73.3	74.6	75.4	77.3	77.5	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.8
0.025	71.6	74.6	75.9	76.8	79.1	79.4	80.1	80.6	80.8	80.8	80.9	80.9	81.0	81.0	81.0	81.0	81.1
0.01	72.9	76.0	77.3	78.2	80.5	81.0	81.9	82.7	82.8	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.1
0.005	73.3	76.6	78.0	79.1	81.6	82.2	83.3	84.6	84.7	84.9	85.3	85.3	85.4	85.4	85.4	85.4	85.5
0.0025	73.3	76.6	78.0	79.1	81.7	82.3	83.5	84.8	84.9	85.2	85.5	85.5	85.6	85.6	85.6	85.6	85.6
0.001	73.5	76.9	78.4	79.7	82.5	83.0	84.6	86.0	86.3	86.6	87.1	87.4	87.5	87.5	87.5	87.5	87.6
0.0005	73.8	77.2	78.9	80.2	83.0	83.5	85.3	86.7	87.1	87.4	88.3	88.6	88.7	88.7	88.7	88.7	88.8
0.00025	73.8	77.2	78.9	80.2	83.3	84.0	86.0	88.3	88.7	89.0	90.3	90.6	90.9	90.9	90.9	90.9	91.0
0.0001	74.1	77.5	79.2	80.5	84.2	85.2	87.4	89.7	90.1	90.4	91.8	92.3	92.6	92.6	92.6	92.9	92.9
0.00005	74.1	77.5	79.2	80.5	84.2	85.2	87.5	90.2	90.6	91.0	92.8	93.2	93.7	93.7	93.9	94.0	94.0
0.000025	74.1	77.6	79.4	80.6	84.3	85.3	87.7	90.9	91.5	92.0	93.9	94.4	95.3	95.3	95.3	95.5	95.6
0.00001	74.1	77.6	79.4	80.6	84.3	85.3	88.0	91.1	91.9	92.8	94.7	95.3	96.7	97.2	98.4	98.8	98.8
0.000005	74.1	77.6	79.4	80.6	84.3	85.3	88.0	91.1	92.0	93.1	95.1	95.6	97.0	98.0	99.1	99.6	99.6
0.0000025	74.1	77.6	79.4	80.6	84.3	85.3	88.0	91.1	92.0	93.1	95.1	95.6	97.0	98.0	99.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

630

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

94935 K I SA-YFR AFB MI

9-74

346

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

ALL

CEILING	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1000	42.3	43.1	43.4	43.5	43.6	43.6	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9	43.9	43.9
900	44.2	45.0	45.4	45.5	45.7	45.7	45.7	45.8	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	46.0
800	44.6	45.4	45.8	45.9	46.1	46.1	46.1	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.4
700	44.8	45.7	46.0	46.2	46.4	46.4	46.4	46.5	46.5	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.7
600	45.9	46.8	47.1	47.3	47.5	47.5	47.5	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.8
500	46.9	47.9	48.3	48.4	48.6	48.6	48.6	48.7	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.9
400	48.1	49.1	49.5	49.5	49.8	49.8	49.9	49.9	49.9	50.0	50.0	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1
300	48.7	49.8	50.2	50.3	50.5	50.5	50.6	50.6	50.6	50.7	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
200	50.0	51.1	51.5	51.6	51.8	51.9	51.9	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2
100	51.0	52.2	52.6	52.7	53.0	53.0	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3
0	52.0	53.3	53.7	53.8	54.1	54.1	54.2	54.2	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.5
1000	53.7	55.3	55.7	55.9	56.2	56.2	56.2	56.3	56.3	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5
900	54.5	56.2	56.6	56.8	57.2	57.2	57.3	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
800	55.9	57.8	58.2	58.4	58.9	59.0	59.1	59.2	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5
700	56.9	59.9	59.4	59.5	60.2	60.3	60.4	60.5	60.5	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8
600	59.4	61.8	62.5	62.8	63.8	63.8	64.9	64.1	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.5
500	61.5	64.7	65.8	66.3	67.0	67.7	68.0	68.3	68.3	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7
400	63.8	67.4	68.6	69.4	71.1	71.2	71.8	72.3	72.4	72.7	72.8	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9
300	64.5	69.2	69.6	70.2	72.0	72.1	72.8	73.3	73.5	73.7	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	74.0
200	66.7	70.7	72.4	73.2	75.2	75.5	76.3	77.2	77.5	77.8	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.2
100	67.9	72.3	74.2	75.1	77.4	77.7	78.8	79.8	80.2	80.5	80.8	80.8	80.8	80.9	80.9	80.9	81.0	81.0	81.1
0	68.5	73.2	75.2	76.2	78.7	79.0	80.4	81.5	81.9	82.5	82.9	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.2
1000	68.8	73.5	75.6	76.6	79.3	79.7	81.1	82.2	82.7	83.3	83.9	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.2
900	69.1	73.9	76.1	77.3	80.1	80.5	82.0	83.3	84.0	84.5	85.3	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.8
800	69.2	74.1	76.3	77.6	80.6	81.1	82.8	84.2	84.8	85.6	85.8	85.8	85.8	86.9	87.3	87.3	87.4	87.4	87.4
700	69.2	74.2	76.5	77.8	81.1	81.6	83.4	85.1	85.9	86.7	88.1	88.2	88.6	88.7	88.7	88.7	88.7	88.7	88.8
600	69.4	74.5	76.8	78.3	82.0	82.5	84.0	85.7	87.7	88.7	90.3	90.5	91.1	91.2	91.5	91.5	91.5	91.5	91.6
500	69.4	74.6	76.9	78.3	82.2	82.8	85.2	87.5	88.5	89.6	91.4	91.6	92.4	92.6	93.0	93.0	93.0	93.0	93.0
400	69.4	74.6	77.0	78.5	82.4	83.1	85.6	88.1	89.4	90.7	92.8	93.1	94.1	94.1	94.4	94.4	94.4	94.4	94.5
300	69.4	74.6	77.0	78.5	82.4	83.2	85.7	88.4	89.8	91.3	93.7	94.1	95.4	95.4	96.1	96.1	96.1	96.1	96.4
200	69.4	74.6	77.0	78.5	82.4	83.2	85.7	88.4	89.8	91.3	93.8	94.7	95.6	95.6	96.3	96.3	96.3	96.3	96.9
100	69.4	74.6	77.0	78.5	82.4	83.2	85.7	88.4	89.8	91.3	93.8	94.7	95.6	95.6	96.3	96.3	96.3	96.3	96.9
0	69.4	74.6	77.0	78.5	82.4	83.2	85.7	88.4	89.8	91.3	93.8	94.7	95.6	95.6	96.3	96.3	96.3	96.3	96.9

TOTAL NUMBER OF OBSERVATIONS 7438

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

94836 K I SAJYER AFB MI

-9-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS.

0000-0200

CEILING FEET	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
NO CEILING	54.4	55.4	55.6	56.0	55.0	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	56.1	56.1	56.1	56.1	
≥ 2000	55.3	56.3	56.5	56.8	56.8	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	57.0	57.0	57.0	57.0	57.0	
≥ 1800	55.4	56.4	56.6	57.0	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	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	
≥ 1600	55.7	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	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	
≥ 1400	56.2	57.2	57.4	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	
≥ 1200	56.7	58.0	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	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	
≥ 1000	59.0	60.2	60.4	60.7	60.7	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	60.8	60.8	60.8	60.8	60.8	60.8	60.8	
≥ 900	59.0	61.1	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	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	
≥ 800	62.0	63.2	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	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	
≥ 700	64.2	65.5	66.1	66.4	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	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	
≥ 600	66.0	67.4	67.9	68.4	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	
≥ 500	69.2	70.9	71.3	71.9	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	
≥ 400	69.6	71.3	71.9	72.4	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	
≥ 3500	71.1	72.9	73.4	74.0	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	
≥ 3000	72.3	74.2	74.7	75.3	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	
≥ 2500	74.3	76.4	77.2	77.8	78.5	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	
≥ 2000	74.7	76.9	77.8	78.9	79.9	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	80.3	80.3	
≥ 1800	76.1	78.4	79.4	80.7	82.0	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	
≥ 1500	76.3	78.6	79.6	81.1	82.2	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	
≥ 1200	77.4	79.9	80.9	82.3	83.5	84.0	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	
≥ 900	77.6	80.6	81.6	83.2	84.8	85.2	85.5	85.5	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	85.7	85.7	85.7	85.7	85.7	
≥ 800	77.8	81.0	82.2	83.9	85.5	86.0	86.3	86.4	86.5	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	
≥ 700	78.0	81.2	82.4	84.1	85.9	86.3	86.7	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	
≥ 600	78.1	81.4	82.6	84.7	86.2	86.7	87.0	87.1	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	
≥ 500	78.1	81.8	83.0	84.9	86.8	87.2	87.5	87.7	87.8	88.4	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	
≥ 400	78.1	81.8	83.0	84.9	87.2	87.7	88.0	88.4	88.5	89.2	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	89.4	89.4	89.4	
≥ 300	78.2	82.1	83.3	85.4	87.9	88.5	89.1	89.5	90.1	90.9	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	
≥ 200	78.2	82.3	83.6	86.0	88.8	89.5	91.1	91.8	92.7	93.4	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	94.1	94.1	
≥ 100	78.2	82.3	83.6	86.0	86.9	90.0	91.4	92.2	92.2	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	
≥ 0	78.2	82.3	83.6	86.0	88.9	90.0	91.4	92.2	93.2	94.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	
0	78.2	82.3	83.6	86.0	88.9	90.0	91.4	92.2	93.2	94.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2482 K I SAWYER AFB MI

49-7b

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0300-0500

CEILING FEET	VISIBILITY STATUSES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/2	≥ 1/4	≥ 1/8
NO CEILING	53.1	54.2	54.7	54.9	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 20000	54.2	55.3	55.8	56.0	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 18000	54.2	55.3	55.8	56.0	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 16000	54.2	55.3	55.8	56.0	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
≥ 14000	55.2	56.3	56.8	57.0	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	56.0	57.2	57.7	57.9	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
≥ 10000	57.3	58.6	59.0	59.2	59.6	59.7	59.7	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 8000	57.8	59.0	59.4	59.7	60.0	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 7000	58.9	60.2	60.7	60.9	61.2	61.3	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 6000	60.3	61.7	62.1	62.3	62.7	62.8	62.9	62.9	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
≥ 5000	61.8	63.1	63.7	63.9	64.3	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4500	64.8	66.3	67.0	67.3	67.8	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4000	65.0	66.8	67.4	67.9	68.3	68.4	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 3500	67.0	68.8	69.6	70.1	70.6	70.7	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 3000	68.0	70.3	71.2	71.8	72.2	72.3	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 2500	70.2	72.8	73.8	74.4	75.2	75.3	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 2000	71.7	74.2	75.7	76.3	77.3	77.4	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1800	73.2	76.3	78.0	79.0	80.1	80.3	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 1500	73.4	76.7	78.3	79.3	80.4	80.7	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 1200	73.7	76.9	78.6	79.7	80.9	81.1	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 1000	74.7	78.3	80.0	81.3	82.7	82.9	83.0	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 900	74.7	78.6	80.4	81.8	83.2	83.4	83.6	84.0	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2
≥ 800	74.7	78.6	80.7	82.0	83.6	83.8	83.9	84.3	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
≥ 700	75.0	79.0	81.4	83.2	84.8	85.1	85.2	85.7	85.9	86.0	86.1	86.1	86.1	86.1	86.1	86.1
≥ 600	75.2	79.7	82.1	84.1	85.9	86.2	86.7	87.2	87.4	88.0	88.2	88.2	88.2	88.2	88.2	88.2
≥ 500	75.2	79.7	82.1	84.1	86.4	87.0	87.6	88.2	88.4	89.0	89.2	89.7	89.6	89.6	89.6	89.6
≥ 400	75.2	80.2	82.8	85.0	87.6	88.1	89.0	90.0	90.3	90.9	91.1	91.1	91.6	91.7	91.8	91.8
≥ 300	75.2	80.2	82.8	85.0	88.1	88.8	89.8	90.8	91.2	91.8	92.0	92.0	92.4	92.6	92.7	92.7
≥ 200	75.2	80.2	82.8	85.0	88.7	89.4	90.7	91.7	92.6	93.3	93.7	93.7	94.2	94.4	94.8	94.8
≥ 100	75.2	80.2	82.8	85.0	88.7	89.4	90.8	92.4	93.4	95.1	95.7	95.0	96.7	96.9	98.2	98.6
≥ 0	75.2	80.2	82.8	85.0	88.7	89.4	90.8	92.4	93.6	95.4	96.0	96.3	97.1	97.3	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94824 K I SA'YER AFB MI

9-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0800

CEILING FEET	VISIBILITY FEET															
	≥ 10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	46.0	47.7	48.3	48.3	48.8	48.8	48.8	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
≥ 2000	48.1	50.0	50.7	50.7	51.1	51.1	51.1	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 1800	48.1	50.0	50.7	50.7	51.1	51.1	51.1	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 1600	48.2	50.1	50.8	50.8	51.2	51.2	51.2	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 1400	48.9	50.8	51.4	51.4	51.9	51.9	51.9	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 1200	51.4	53.4	54.1	54.1	54.6	54.6	54.6	54.8	54.8	54.9	54.9	54.9	54.9	55.0	55.0	55.0
≥ 1000	53.4	55.6	56.3	56.3	56.8	56.8	56.8	57.0	57.0	57.1	57.1	57.1	57.1	57.2	57.2	57.2
≥ 900	54.1	56.2	57.0	57.0	57.4	57.4	57.4	57.7	57.7	57.8	57.8	57.8	57.8	57.9	57.9	57.9
≥ 800	55.4	57.6	58.4	58.4	58.9	58.9	58.9	59.1	59.1	59.2	59.2	59.2	59.2	59.3	59.3	59.3
≥ 700	56.0	58.8	59.7	59.7	60.1	60.1	60.1	60.3	60.3	60.4	60.4	60.4	60.4	60.6	60.6	60.6
≥ 600	57.9	60.1	61.0	61.0	61.4	61.4	61.4	61.7	61.7	61.8	61.9	61.9	61.9	62.0	62.0	62.0
≥ 500	60.8	63.2	64.6	64.6	65.0	65.0	65.0	65.2	65.2	65.4	65.6	65.6	65.6	65.7	65.7	65.7
≥ 450	61.2	63.7	65.0	65.0	65.4	65.4	65.4	65.7	65.7	65.9	66.0	66.0	66.0	66.1	66.1	66.1
≥ 400	62.6	65.0	66.3	66.3	66.9	66.9	66.9	67.2	67.2	67.4	67.6	67.6	67.6	67.7	67.7	67.7
≥ 350	63.3	66.0	67.6	67.6	68.1	68.1	68.1	68.4	68.4	68.7	68.8	68.8	68.8	68.9	68.9	68.9
≥ 300	66.0	69.2	70.9	70.9	71.4	71.4	71.4	71.8	71.8	72.0	72.1	72.1	72.1	72.2	72.2	72.2
≥ 250	67.2	70.4	72.1	72.3	72.9	72.9	73.1	73.4	73.4	73.7	73.8	73.8	73.8	73.9	73.9	73.9
≥ 200	70.4	74.0	75.7	75.9	76.6	76.6	76.8	77.1	77.2	77.4	77.6	77.6	77.6	77.7	77.7	77.7
≥ 1800	71.0	74.6	76.2	76.4	77.2	77.2	77.4	77.8	78.1	78.3	78.4	78.4	78.4	78.6	78.6	78.6
≥ 1500	72.4	76.0	77.8	78.0	78.8	78.8	79.0	79.3	79.7	79.9	80.0	80.0	80.0	80.1	80.1	80.1
≥ 1200	73.8	77.7	79.6	79.8	80.6	80.6	80.8	81.1	81.4	81.7	81.8	81.8	81.8	81.9	81.9	81.9
≥ 1000	74.2	78.7	80.6	81.0	81.9	81.9	82.4	82.8	83.1	83.3	83.7	83.7	83.7	83.8	83.8	83.8
≥ 900	74.4	79.1	81.0	81.4	82.3	82.3	82.9	83.2	83.8	84.0	84.3	84.3	84.3	84.4	84.4	84.4
≥ 800	74.4	79.6	81.7	82.2	83.1	83.1	83.9	84.3	84.9	85.1	85.4	85.4	85.6	85.7	85.7	85.7
≥ 700	74.6	79.7	81.8	82.3	83.4	83.4	84.2	84.7	85.2	85.8	86.2	86.2	86.4	86.6	86.6	86.6
≥ 600	74.8	80.0	82.1	82.7	84.3	84.7	86.2	86.9	87.4	88.2	88.8	88.8	89.1	89.2	89.2	89.2
≥ 500	74.9	80.2	82.4	83.1	84.9	85.6	87.1	87.8	88.3	89.1	89.8	89.8	90.2	90.4	90.6	90.6
≥ 400	74.9	80.6	82.8	83.7	85.6	86.7	88.2	89.0	89.9	90.9	91.7	91.7	92.1	92.3	92.4	92.4
≥ 300	74.9	80.6	82.9	83.9	86.0	87.2	88.8	90.0	90.9	92.2	93.4	93.4	94.1	94.7	95.1	95.1
≥ 200	74.9	80.6	82.9	83.9	86.0	87.2	88.8	90.3	91.4	93.1	94.6	94.9	96.0	96.8	98.1	98.7
≥ 100	74.9	80.6	82.9	83.9	86.0	87.2	88.9	90.3	91.4	93.1	94.7	95.0	96.2	97.0	98.7	100.0
≥ 0	74.9	80.6	82.9	83.9	86.0	87.2	88.9	90.3	91.4	93.1	94.7	95.0	96.2	97.0	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY STATISTICAL															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO CEILING	44.0	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 2500	47.8	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 180	48.3	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 600	49.1	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 1400	49.7	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 2000	51.2	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 900	53.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 500	54.3	55.6	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	55.7
≥ 800	55.8	57.0	57.1	57.1	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 700	57.2	58.4	58.6	58.6	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
≥ 600	58.2	59.4	59.6	59.6	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 500	60.3	61.7	62.1	62.3	63.3	63.3	64.6	64.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 450	60.9	62.2	62.7	62.9	63.9	63.9	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 400	62.2	64.1	64.0	64.8	65.9	65.9	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 350	62.6	64.6	65.0	65.2	66.3	66.3	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 300	64.7	66.8	67.2	67.6	68.7	68.7	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 2500	67.2	69.4	69.9	70.2	71.3	71.3	71.5	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 2000	70.1	72.4	73.0	73.3	74.7	74.7	74.9	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 1800	70.6	73.1	73.7	74.1	75.4	75.4	75.7	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 1500	72.7	75.3	75.9	76.3	77.8	77.9	78.4	78.7	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 1200	75.1	77.9	78.6	79.1	80.8	80.9	81.6	81.8	81.9	82.1	82.1	82.1	82.2	82.2	82.2	82.2
≥ 1000	76.0	79.0	79.7	80.3	82.2	82.3	83.0	83.2	83.4	83.8	84.0	84.0	84.1	84.1	84.1	84.1
≥ 900	76.2	79.3	80.0	80.7	82.6	82.7	83.3	83.6	83.8	84.1	84.6	84.6	84.6	84.7	84.7	84.7
≥ 800	76.7	80.1	81.0	81.8	83.8	83.9	84.6	85.1	85.4	85.8	86.3	86.3	86.4	86.4	86.4	86.4
≥ 700	76.9	80.8	81.8	82.7	84.9	85.2	86.1	86.7	87.1	87.7	88.4	88.4	88.6	88.6	88.6	88.6
≥ 600	77.1	81.2	82.2	83.1	85.3	85.7	86.8	87.3	87.8	88.3	89.3	89.3	89.4	89.4	89.4	89.4
≥ 500	77.1	81.6	82.7	83.9	86.4	87.0	88.6	89.2	89.9	90.4	91.6	91.6	91.8	91.9	92.1	92.1
≥ 400	77.2	81.7	82.8	84.0	86.7	87.3	89.3	90.6	91.8	92.9	94.0	94.0	94.2	94.3	94.6	94.6
≥ 300	77.2	81.7	82.8	84.0	86.8	87.6	89.8	91.2	92.7	94.2	95.3	95.3	95.8	96.1	96.3	96.3
≥ 200	77.2	81.7	82.8	84.1	86.9	87.7	89.9	91.3	93.0	95.0	96.3	96.4	97.6	98.4	99.4	100.0
≥ 100	77.2	81.7	82.8	84.1	86.9	87.7	89.9	91.3	93.0	95.0	96.3	96.4	97.6	98.4	99.4	100.0
≥ 0	77.2	81.7	82.8	84.1	86.9	87.7	89.9	91.3	93.0	95.0	96.3	96.4	97.6	98.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-76

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 0	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 0
NO CEILING	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 2000	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
≥ 1800	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 1600	50.2	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 1400	50.6	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 1200	52.1	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 1000	53.7	54.7	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	54.2	54.2
≥ 900	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	55.2	55.2	55.2	55.2	55.2	55.2
≥ 800	55.9	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	56.6	56.6	56.6
≥ 700	57.6	58.1	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	58.2	58.2
≥ 600	59.0	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 500	60.4	61.2	61.8	62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 450	60.9	61.7	62.2	62.7	62.8	62.8	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
≥ 400	62.3	63.4	64.1	64.6	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 350	63.3	64.4	65.2	65.7	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 300	66.6	68.0	69.0	69.4	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 250	69.4	70.9	72.1	72.7	72.8	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 200	72.9	74.9	76.3	76.9	77.0	77.1	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 1800	74.0	76.2	77.7	78.2	78.4	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 1500	75.4	78.0	79.7	80.2	80.8	81.0	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 1200	77.3	80.6	82.2	82.9	83.4	83.7	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 1000	77.7	81.1	82.9	83.7	84.2	84.6	85.3	85.4	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 900	77.9	81.3	83.2	84.1	84.7	85.0	85.9	86.0	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 800	78.1	81.8	83.8	84.7	85.3	85.7	86.6	86.7	86.8	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 700	78.3	82.2	84.4	85.6	86.6	86.9	87.8	87.9	88.3	88.7	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 600	78.3	82.3	84.6	85.8	86.9	87.2	88.3	88.7	89.3	89.8	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 500	78.3	82.7	85.0	86.2	87.6	88.0	89.8	90.3	91.2	91.9	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 400	78.3	83.0	85.4	86.8	88.3	89.2	91.8	92.7	93.7	94.6	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 300	78.3	83.1	85.6	86.9	88.4	89.4	92.0	93.2	94.2	95.2	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 200	78.3	83.1	85.6	87.0	88.7	89.8	92.4	93.7	94.8	95.8	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 100	78.3	83.1	85.6	87.0	88.7	89.8	92.4	93.7	94.8	95.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 0	78.3	83.1	85.6	87.0	88.7	89.8	92.4	93.7	94.8	95.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94830 K I SAWYER AFB MI

69-7a

AP:

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS.

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING ≥ 20000	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 8000	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	51.0	51.0	51.0
IV 6500	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 5000	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 3500	53.3	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	53.6
IV 2000	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 1000	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
IV 800	55.7	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	56.0	56.0
IV 600	58.0	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	58.4
IV 500	59.8	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 450	61.9	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
IV 400	63.1	64.6	64.6	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0	65.0	65.0
IV 350	63.4	64.9	64.9	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3
IV 300	65.7	67.1	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.6	67.6	67.6
IV 250	66.4	68.0	68.0	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.6	68.6	68.6
IV 200	69.2	71.1	71.1	71.2	71.7	71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1
IV 150	73.2	75.3	75.3	75.4	75.9	76.1	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.6	76.6	76.6
IV 100	75.4	78.0	78.3	78.9	79.6	79.8	80.1	80.4	80.4	80.4	80.6	80.6	80.6	80.8	80.8	80.8
IV 75	76.2	78.9	79.2	79.8	80.4	80.7	81.2	81.6	81.6	81.6	81.7	81.7	81.7	81.9	81.9	81.9
IV 50	77.4	80.7	81.1	81.8	82.6	82.8	83.3	83.7	83.7	83.7	83.8	83.8	84.0	84.0	84.0	84.0
IV 25	79.2	82.7	83.2	83.9	84.8	85.0	85.6	85.9	85.9	85.9	86.0	86.0	86.2	86.2	86.2	86.2
IV 15	79.3	82.9	83.4	84.2	85.3	85.6	86.1	86.4	86.7	86.7	86.9	86.9	87.1	87.1	87.1	87.1
IV 10	79.6	83.4	84.0	84.8	85.9	86.1	86.7	87.0	87.2	87.2	87.4	87.4	87.7	87.7	87.7	87.7
IV 7.5	79.7	83.9	84.4	85.2	86.4	86.7	87.2	87.7	87.9	87.9	88.1	88.1	88.3	88.3	88.3	88.3
IV 5	79.7	84.0	84.7	85.6	86.9	87.1	87.7	88.2	88.4	88.4	88.7	88.7	89.1	89.1	89.1	89.1
IV 3.5	79.7	84.2	84.9	85.4	87.4	88.0	88.7	89.6	90.0	90.2	90.6	90.7	91.1	91.1	91.1	91.1
IV 2.5	79.7	84.2	85.0	86.0	88.0	88.7	89.6	90.7	91.8	92.4	93.0	93.2	94.1	94.3	94.4	94.4
IV 1.5	79.7	84.2	85.2	86.2	88.3	89.1	90.0	91.1	92.6	93.2	93.8	94.0	94.9	95.1	95.2	95.2
IV 1	79.7	84.2	85.3	86.3	88.6	89.6	90.4	91.7	93.2	94.4	95.0	95.3	96.3	96.8	96.9	96.9
IV 0.75	79.7	84.2	85.3	86.3	88.6	89.6	90.6	92.0	93.6	95.1	95.9	96.2	97.6	98.0	98.4	99.1
IV 0.5	79.7	84.2	85.3	86.3	88.6	89.6	90.6	92.0	93.6	95.1	96.0	96.3	97.7	98.1	98.7	100.0
IV 0.25	79.7	84.2	85.3	86.3	88.6	89.6	90.6	92.0	93.6	95.1	96.0	96.3	97.7	98.1	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835

K I SAWYER AFB MI

9-78

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY - STATUTE MILES															
	21	20	25	24	23	22	21	20	21	20	24	23	22	21	20	20
NO CEILING	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 2000	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 800	54.4	54.4	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
≥ 400	55.0	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	55.2	55.2
≥ 1400	55.9	55.9	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
≥ 700	57.7	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 1000	58.8	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 900	59.3	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 800	61.4	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 700	63.9	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
≥ 600	66.9	67.8	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 500	68.3	69.4	69.9	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3
≥ 4500	68.7	69.9	70.3	70.4	70.4	70.4	70.4	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 4000	70.4	71.8	72.2	72.3	72.3	72.3	72.3	72.4	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 3500	70.9	72.7	73.1	73.2	73.3	73.3	73.4	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 3000	72.3	74.6	75.2	75.3	75.7	75.7	75.8	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 2500	76.1	78.8	79.7	79.8	80.6	80.7	80.8	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 2000	77.8	80.7	81.8	81.9	82.8	82.9	83.0	83.1	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 1800	78.3	81.2	82.3	82.4	83.3	83.4	83.6	83.7	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 1500	79.1	82.2	83.3	83.4	84.4	84.6	84.8	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1200	80.0	83.2	84.3	84.4	85.4	85.6	85.8	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 1000	80.2	83.4	84.6	84.7	85.7	85.8	86.0	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 900	80.2	83.6	84.7	84.8	85.8	85.9	86.1	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 800	80.2	83.6	85.0	85.1	86.4	86.6	86.8	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 700	80.2	83.7	85.2	85.3	86.7	86.8	87.2	87.6	87.7	88.0	88.0	88.3	88.4	88.4	88.4	88.4
≥ 600	80.2	83.7	85.2	85.3	86.8	86.9	87.3	87.8	87.9	88.2	88.2	88.7	88.9	88.9	88.9	88.9
≥ 500	80.3	84.1	85.8	85.9	87.8	88.3	89.1	89.7	90.0	90.4	90.4	91.0	91.2	91.4	91.7	91.7
≥ 400	80.3	84.1	85.9	86.0	87.9	88.4	89.3	90.3	91.0	91.4	91.6	92.2	92.6	92.9	93.2	93.2
≥ 300	80.3	84.1	85.9	86.2	88.1	88.9	90.2	91.3	92.2	92.9	93.1	93.8	94.6	95.0	95.3	95.4
≥ 200	80.3	84.1	85.9	86.2	88.1	88.9	90.2	91.4	92.3	93.3	93.9	94.6	95.6	96.2	96.8	98.0
≥ 100	80.3	84.1	85.9	86.2	88.1	88.9	90.2	91.6	92.4	93.4	94.0	94.7	95.7	96.6	97.6	100.0
≥ 0	80.3	84.1	85.9	86.2	88.1	88.9	90.2	91.6	92.4	93.4	94.0	94.7	95.7	96.6	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

19-70

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

CEILING FEET	VISIBLE STATURE MILES																
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	
∞	54.9	55.6	55.8	55.9	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
2000	56.4	57.1	57.3	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
1800	56.7	57.3	57.6	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
1600	56.8	57.4	57.7	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
1400	57.3	58.0	58.2	58.3	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
1200	58.4	59.1	59.3	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
1000	61.0	61.8	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
800	62.3	63.1	63.3	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
600	64.1	65.0	65.6	65.8	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
400	65.6	66.4	67.0	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
200	68.2	69.2	69.8	70.3	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
100	70.6	71.9	72.6	73.1	73.3	73.3	73.4	73.4	73.4	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.6
500	71.3	72.8	73.4	74.0	74.2	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
300	72.7	74.1	74.8	75.3	75.6	75.6	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
150	73.2	74.8	75.4	76.0	76.2	76.2	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
75	75.6	77.2	77.9	78.4	78.8	78.8	79.3	79.3	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
37.5	77.8	80.1	80.9	81.6	82.0	82.0	82.7	82.7	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
18.75	78.4	81.1	82.0	82.8	83.3	83.3	84.1	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
9.375	78.8	81.6	82.4	83.2	83.9	83.9	84.7	84.7	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
4.6875	79.0	82.3	83.2	84.0	85.0	85.0	85.9	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
2.34375	79.2	83.0	83.9	84.7	85.8	85.8	86.7	86.7	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
1.171875	79.8	83.8	84.7	85.4	86.6	86.6	87.6	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
0.5859375	80.1	84.1	85.2	86.0	87.1	87.2	88.2	88.2	88.3	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
0.29296875	80.4	84.6	85.9	86.8	88.1	88.2	89.2	89.2	89.3	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
0.146484375	80.6	84.9	86.2	87.1	88.4	88.6	89.6	89.6	89.7	90.3	90.4	90.6	90.6	90.6	90.6	90.6	90.6
0.0732421875	80.6	84.9	86.2	87.1	88.4	88.8	89.8	90.0	90.1	90.5	90.9	91.1	91.1	91.1	91.1	91.1	91.1
0.03662109375	80.6	85.1	86.6	87.6	88.9	89.4	90.6	90.8	90.9	91.8	92.0	92.2	92.6	92.6	92.6	92.6	92.6
0.018310546875	80.6	85.1	86.6	87.7	89.3	90.1	91.4	91.8	92.1	93.1	93.8	94.0	94.3	94.3	94.3	94.3	94.3
0.0091552734375	80.6	85.1	86.6	88.0	89.7	90.4	92.2	92.8	93.2	94.7	95.7	95.9	96.2	96.2	96.2	96.2	96.2
0.00457763671875	80.6	85.1	86.6	88.0	89.7	90.4	92.2	93.0	93.6	95.1	96.1	96.4	97.3	97.4	98.0	98.8	98.8
0.002288818359375	80.6	85.1	86.6	88.0	89.7	90.4	92.2	93.0	93.6	95.1	96.1	96.4	97.3	97.6	98.6	99.8	99.8
0.0011444091796875	80.6	85.1	86.6	88.0	89.7	90.4	92.2	93.0	93.6	95.1	96.1	96.4	97.3	97.6	98.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-73

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	VISIBILITY FEET															
	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	49.2	49.9	50.1	50.1	50.3	50.3	51.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 2000	51.9	52.6	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1
IV 6000	52.3	53.0	53.2	53.3	53.4	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 5000	52.7	53.4	53.7	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
IV 4000	53.4	54.1	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 3000	54.7	55.6	55.8	55.9	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 2000	56.5	57.4	57.7	57.8	57.9	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 1000	57.3	58.2	58.5	58.6	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 800	58.9	60.0	60.3	60.4	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
IV 600	60.6	61.7	62.1	62.2	62.4	62.4	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
IV 500	62.5	63.7	64.1	64.3	64.5	64.5	64.6	64.6	64.6	64.6	64.6	64.7	64.7	64.7	64.7	64.7
IV 450	64.7	66.1	66.7	67.0	67.4	67.4	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7
IV 400	65.1	66.6	67.2	67.5	67.9	67.9	68.0	68.1	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2
IV 350	66.7	68.4	69.0	69.3	69.7	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1
IV 300	67.5	69.4	70.0	70.4	70.8	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.2
IV 250	69.9	72.0	72.8	73.1	73.7	73.7	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2
IV 200	72.2	74.5	75.4	75.9	76.6	76.7	76.9	77.0	77.1	77.1	77.1	77.1	77.2	77.2	77.2	77.2
IV 180	74.3	77.0	78.1	78.7	79.5	79.6	80.0	80.1	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3
IV 150	74.8	77.6	78.7	79.3	80.2	80.3	80.7	80.8	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.1
IV 120	75.9	78.9	80.1	80.7	81.7	81.9	82.3	82.5	82.6	82.7	82.7	82.7	82.8	82.8	82.8	82.8
IV 100	77.1	80.5	81.7	82.4	83.5	83.7	84.2	84.3	84.4	84.5	84.6	84.6	84.6	84.6	84.7	84.7
IV 90	77.5	81.1	82.3	83.1	84.3	84.5	85.0	85.2	85.4	85.6	85.7	85.7	85.7	85.8	85.8	85.8
IV 80	77.6	81.3	82.7	83.5	84.7	84.9	85.5	85.7	85.9	86.0	86.2	86.2	86.2	86.3	86.3	86.3
IV 70	77.8	81.7	83.2	84.2	85.5	85.7	86.3	86.6	86.8	87.0	87.2	87.2	87.2	87.2	87.3	87.3
IV 60	77.9	82.1	83.7	84.7	86.2	86.4	87.1	87.4	87.7	88.2	88.5	88.5	88.7	88.7	88.7	88.7
IV 50	78.0	82.2	83.8	84.8	86.6	87.0	87.8	88.4	88.7	89.2	89.6	89.7	90.0	90.0	90.0	90.0
IV 40	78.0	82.5	84.2	85.4	87.4	88.0	89.1	89.7	90.3	91.0	91.5	91.6	92.0	92.2	92.3	92.3
IV 30	78.1	82.6	84.4	85.6	87.8	88.7	90.0	90.9	91.7	92.5	93.1	93.2	93.7	93.8	94.0	94.0
IV 20	78.1	82.7	84.4	85.8	88.1	89.1	90.7	91.7	92.7	93.8	94.6	94.7	95.4	95.7	96.0	96.0
IV 10	78.1	82.7	84.4	85.8	88.2	89.1	90.8	92.1	93.2	94.7	95.6	95.9	97.0	97.4	98.2	98.9
IV 0	78.1	82.7	84.4	85.8	88.2	89.1	90.8	92.1	93.2	94.7	95.7	96.0	97.2	97.7	98.7	99.9
IV 0	78.1	82.7	84.4	85.8	88.2	89.1	90.8	92.1	93.2	94.7	95.7	96.0	97.2	97.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 7199

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94635 K I SAN YEK AFB HI

9-7

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0000-0200

CEILING FEET	20	24	25	24	21	22	21	21	2	2	2	2	2	25	2	2
NO CEILING	55.4	56.1	57.3	57.6	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.3
≥ 2500	56.7	57.6	58.6	59.1	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.7	59.8
≥ 3000	56.9	57.8	59.0	59.4	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9	60.0
≥ 4000	57.0	58.0	59.1	59.5	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	60.0	60.1
≥ 4000	57.8	58.8	60.0	60.3	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	61.0
≥ 3000	59.2	60.4	61.6	61.9	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.6
≥ 2000	63.3	64.5	66.0	66.3	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9	67.0
≥ 1000	64.2	65.7	67.2	67.5	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.2
≥ 800	64.9	66.5	68.1	68.4	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.2
≥ 700	66.1	67.6	69.2	69.5	70.1	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.4
≥ 600	67.8	69.4	71.0	71.4	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.5
≥ 500	69.9	71.4	73.1	73.7	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	75.1
≥ 400	70.9	72.5	74.2	74.7	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.2
≥ 3500	71.4	73.3	75.1	75.6	77.0	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.5
≥ 3000	72.6	74.5	76.2	76.8	78.3	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.8
≥ 2500	74.1	76.1	78.2	78.9	80.5	80.8	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.3
≥ 2000	75.7	78.0	80.0	81.1	83.0	83.2	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.7	83.8
≥ 1500	76.8	79.2	81.4	82.5	84.6	84.8	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.5
≥ 1000	76.8	79.4	81.5	82.6	84.7	84.9	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.6
≥ 800	77.4	80.1	82.3	83.3	85.6	85.8	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.5	86.6
≥ 700	77.7	80.4	82.7	83.9	86.2	86.5	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.2
≥ 600	78.2	80.9	83.1	84.3	86.9	87.1	87.3	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.8	88.0
≥ 500	78.2	80.9	83.2	84.5	87.1	87.3	87.5	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.3
≥ 400	78.2	80.9	83.2	84.6	87.3	87.5	87.7	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.5
≥ 300	78.3	81.0	83.7	85.1	87.7	88.0	88.3	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.9	89.0
≥ 200	78.3	81.0	83.7	85.2	88.1	88.3	88.6	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.2	89.4
≥ 100	78.3	81.0	83.7	85.2	88.1	88.3	88.9	89.4	89.5	89.5	89.7	89.7	89.7	89.7	89.8	89.9
≥ 50	78.4	81.1	83.8	85.3	88.3	88.6	89.6	90.2	90.5	90.8	91.2	91.2	91.4	91.5	91.6	
≥ 30	78.4	81.1	83.8	85.4	88.7	89.2	90.4	91.9	92.4	92.7	93.5	93.5	93.8	93.8	93.9	94.0
≥ 20	78.4	81.1	83.9	85.5	88.9	89.6	91.0	92.9	93.9	94.3	95.4	95.6	96.7	96.9	97.3	97.8
≥ 10	78.4	81.1	83.9	85.5	89.1	89.8	91.2	93.1	94.1	94.5	95.6	95.8	97.0	97.3	98.7	99.9
≥ 0	78.4	81.1	83.9	85.5	89.1	89.8	91.2	93.1	94.1	94.5	95.6	95.8	97.0	97.3	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/TAC

CEILING VERSUS VISIBILITY

94835 K I SAWYER AFB HI

9-75

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

0300-0500

CEILING FEET	SEASIDE STATION															
	20	20	25	24	25	26	26	27	27	28	28	29	29	30	30	30
NO CEILING	50.1	51.5	51.9	52.5	53.3	53.3	53.5	53.5	53.9	53.9	53.9	54.0	54.0	54.0	54.0	54.0
2 2000	52.4	54.0	54.4	54.9	55.9	55.9	56.1	56.1	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6
2 3000	52.4	54.0	54.4	54.9	55.9	55.9	56.1	56.1	56.5	56.5	56.5	56.6	56.6	56.6	56.6	56.6
2 4000	52.7	54.3	54.7	55.3	56.2	56.2	56.5	56.5	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9
2 5000	53.2	54.8	55.4	55.9	56.9	56.9	57.1	57.1	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5
2 6000	54.4	54.2	56.9	57.4	58.4	58.4	58.6	58.6	58.9	58.9	58.9	59.0	59.0	59.0	59.0	59.0
2 7000	58.2	60.1	60.9	61.4	62.4	62.4	62.6	62.6	62.9	62.9	62.9	63.0	63.0	63.0	63.0	63.0
2 8000	58.6	60.5	61.3	61.8	62.8	62.8	63.0	63.0	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4
2 9000	59.0	61.2	61.9	62.5	63.5	63.5	63.8	63.8	64.1	64.1	64.1	64.2	64.2	64.2	64.2	64.2
2 1000	60.6	62.1	63.9	64.4	65.6	65.6	65.8	65.8	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2
2 1100	62.8	65.3	66.0	66.7	68.1	68.1	68.4	68.4	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8
2 1200	65.2	68.0	69.0	69.7	71.1	71.1	71.4	71.4	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8
2 1300	65.9	68.8	70.0	70.6	72.0	72.0	72.4	72.4	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8
2 1400	66.9	70.1	71.3	71.9	73.8	73.8	74.1	74.1	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5
2 1500	67.6	70.9	72.0	72.7	74.5	74.5	74.8	74.8	75.2	75.2	75.2	75.3	75.3	75.3	75.3	75.3
2 1600	68.7	72.4	73.5	74.2	76.2	76.2	76.6	76.6	77.2	77.3	77.3	77.4	77.4	77.4	77.4	77.4
2 1700	70.0	74.0	75.2	75.9	78.1	78.1	78.4	78.7	79.1	79.2	79.5	79.6	79.6	79.6	79.6	79.6
2 1800	70.9	75.1	76.2	77.0	79.5	79.5	79.8	80.2	80.6	80.8	81.0	81.1	81.1	81.1	81.1	81.1
2 1900	71.2	75.4	76.6	77.3	79.8	79.8	80.1	80.5	81.0	81.1	81.3	81.4	81.4	81.4	81.4	81.4
2 2000	71.8	76.7	78.2	78.9	81.5	81.5	81.8	82.3	82.7	82.8	83.0	83.1	83.1	83.1	83.1	83.1
2 2100	72.4	77.4	79.0	79.9	82.8	82.8	83.1	83.7	84.1	84.2	84.4	84.5	84.5	84.5	84.5	84.5
2 2200	72.6	77.7	79.4	80.2	83.1	83.2	83.5	84.2	84.6	84.7	84.9	85.1	85.1	85.1	85.1	85.1
2 2300	72.7	78.2	79.9	80.9	83.8	83.8	83.9	84.2	84.8	85.3	85.4	85.6	85.7	85.7	85.7	85.7
2 2400	72.8	78.4	80.1	81.1	84.2	84.3	84.6	85.3	85.7	85.8	86.0	86.1	86.1	86.1	86.1	86.1
2 2500	72.8	78.4	80.1	81.1	84.2	84.3	84.9	85.6	86.1	86.3	86.6	86.7	86.7	86.7	86.7	86.7
2 2600	73.1	78.7	80.4	81.5	84.8	84.9	85.3	86.3	86.9	87.1	87.3	87.4	87.4	87.4	87.4	87.4
2 2700	73.1	78.7	80.4	81.6	85.3	85.5	85.7	87.4	88.0	88.6	88.8	88.9	89.0	89.0	89.0	89.0
2 2800	73.2	78.9	81.2	82.5	86.1	86.3	87.7	88.5	89.1	89.9	90.2	90.3	90.5	90.5	90.5	90.5
2 2900	73.4	79.1	81.5	82.8	86.7	87.0	89.0	90.4	91.4	92.5	92.9	93.0	93.2	93.2	93.3	93.3
2 3000	73.4	79.1	81.6	82.9	87.0	87.3	89.7	91.4	92.6	93.9	94.8	95.1	96.2	96.2	97.4	98.4
2 3100	73.4	79.1	81.6	82.9	87.0	87.3	89.7	91.4	92.6	93.9	94.9	95.3	96.6	96.8	98.1	99.6
2 3200	73.4	79.1	81.6	82.9	87.0	87.3	89.7	91.4	92.6	93.9	94.9	95.3	96.6	96.8	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835

K I SAWYER AFB HI

9-76

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

0000-0000

CEILING FEET	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
ND 20000	44.7	46.8	47.5	48.2	48.6	48.6	49.2	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	49.4
2 20000	47.4	50.0	51.0	51.6	52.0	52.0	52.7	52.9	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
2 8000	47.6	51.2	51.2	51.8	52.3	52.3	52.9	53.1	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
2 6000	47.7	50.3	51.3	51.9	52.4	52.4	53.0	53.2	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
2 4000	48.3	51.1	52.0	52.8	53.2	53.2	53.9	54.1	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
2 2000	49.2	52.2	53.1	53.9	54.3	54.3	54.9	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
2 8000	53.4	56.5	57.4	58.2	58.7	58.7	59.4	59.6	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.2
2 6000	54.0	57.1	58.2	58.9	59.6	59.6	60.2	60.4	60.8	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	61.1
2 8000	55.4	58.7	59.8	60.8	61.4	61.4	62.0	62.3	62.6	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	62.9
2 7000	56.6	60.1	61.2	62.2	62.9	62.9	63.5	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	64.2	64.2	64.4
2 6000	58.2	61.8	62.9	63.9	64.7	64.7	65.6	65.8	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.5
2 5000	61.1	64.9	66.1	67.2	68.3	68.3	69.1	69.5	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.2
2 4500	61.6	65.5	66.7	67.7	68.8	68.8	69.7	70.0	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.8
2 4000	62.5	66.3	67.5	68.6	69.8	69.8	70.6	71.0	71.3	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	71.7
2 3500	62.7	66.6	67.7	68.8	70.0	70.0	70.9	71.2	71.5	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	71.9
2 3000	63.9	67.8	69.0	70.2	71.4	71.4	72.5	72.9	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.7
2 2500	65.9	70.1	71.4	72.6	73.9	73.9	74.9	75.4	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.1
2 2000	67.3	71.7	73.2	74.4	75.7	75.7	76.9	77.4	77.7	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.2
2 1500	68.0	72.4	73.9	75.1	76.5	76.5	77.6	78.2	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.0
2 1000	69.9	73.5	75.1	76.3	77.7	77.7	79.0	79.6	80.1	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	80.5
2 9000	69.6	74.4	76.0	77.4	78.8	78.8	80.3	81.0	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	82.0
2 8000	70.1	75.1	76.8	78.2	79.7	79.7	81.3	82.0	82.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.1
2 7000	70.4	75.5	77.2	78.6	80.1	80.2	81.7	82.5	83.1	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	83.3	83.3	83.5
2 6000	71.2	76.3	78.1	79.5	81.1	81.2	82.7	83.9	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.9
2 5000	71.2	76.5	78.3	79.7	81.5	81.7	83.4	84.7	85.4	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	85.8
2 4000	71.5	76.9	78.7	80.1	82.0	82.3	84.1	85.5	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.6
2 3500	71.7	77.1	79.2	80.6	82.8	83.0	84.9	87.1	87.8	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	88.1	88.1	88.4
2 3000	71.8	77.4	79.9	81.4	83.8	84.1	84.5	88.8	89.9	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	90.3	90.3	90.3	90.6
2 2500	71.8	77.4	80.0	81.5	84.1	84.4	87.1	89.9	91.5	92.0	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	93.5
2 2000	71.9	77.5	80.1	81.6	84.2	84.6	87.5	90.5	92.8	93.3	94.3	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	95.5
2 1500	71.9	77.5	80.1	81.6	84.2	84.6	87.5	90.5	92.8	93.3	94.3	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	95.5
2 1000	71.9	77.5	80.1	81.6	84.2	84.6	87.5	90.5	92.8	93.3	94.3	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	95.5
2 9000	71.9	77.5	80.1	81.6	84.2	84.6	87.5	90.5	92.8	93.3	94.3	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	95.5
2 8000	71.9	77.5	80.1	81.6	84.2	84.6	87.5	90.5	92.8	93.3	94.3	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	95.5
2 7000	71.9	77.5	80.1	81.6	84.2	84.6	87.5	90.5	92.8	93.3	94.3	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	95.5
2 6000	71.9	77.5	80.1	81.6	84.2	84.6	87.5	90.5	92.8	93.3	94.3	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	95.5
2 5000	71.9	77.5	80.1	81.6	84.2	84.6	87.5	90.5	92.8	93.3	94.3	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	95.5
2 4000	71.9	77.5	80.1	81.6	84.2	84.6	87.5	90.5	92.8	93.3	94.3	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	95.5
2 3000	71.9	77.5	80.1	81.6	84.2	84.6	87.5	90.5	92.8	93.3	94.3	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	95.5
2 2000	71.9	77.5	80.1	81.6	84.2	84.6	87.5	90.5	92.8	93.3	94.3	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	95.5
2 1000	71.9	77.5	80.1	81.6	84.2	84.6	87.5	90.5	92.8	93.3	94.3	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	95.5
2 9000	71.9	77.5	80.1	81.6	84.2	84.6	87.5	90.5	92.8	93.3	94.3	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	95.5
2 8000	71.9	77.5	80.1	81.6	84.2	84.6	87.5	90.5	92.8	93.3	94.3	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	95.5
2 7000	71.9	77.5	80.1	81.6	84.2	84.6	87.5	90.5	92.8	93.3	94.3	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	95.5
2 6000	71.9	77.5	80.1	81.6	84.2	84.6	87.5	90.5	92.8	93.3	94.3	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	95.5
2 5000	71.9	77.5	80.1	81.6	84.2	84.6	87.5	90.5	92.8	93.3	94.3	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	95.5
2 4000	71.9	77.5	80.1	81.6	84																					

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

94836

K I SA-YER AFB MI

9-7

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	≥	26	21	24	21	20	20	20	20	20	20	20	20	20	20	20	20
NO REPORT	46.3	46.0	48.4	48.9	49.1	49.1	49.2	49.4	49.4	47.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 2000	49.2	51.1	51.5	52.0	52.3	52.3	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 1800	49.7	51.5	51.9	52.5	52.7	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 1600	49.8	51.6	52.0	52.6	52.8	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 1400	50.4	52.3	52.7	53.2	53.4	53.4	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 1200	53.5	55.4	55.8	56.3	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 1000	56.0	58.2	58.7	59.2	59.5	59.5	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 900	56.9	59.0	59.7	60.2	60.4	60.4	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 800	58.3	60.4	61.1	61.6	61.8	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 700	59.9	62.3	62.9	63.4	63.7	63.7	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 600	61.6	64.0	64.6	65.2	65.6	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 500	63.0	65.5	66.1	66.7	67.1	67.2	67.3	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 450	63.7	66.2	66.9	67.4	67.8	68.0	68.1	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 400	65.3	68.0	68.6	69.1	69.6	69.7	69.8	69.9	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 350	66.0	68.7	69.4	69.9	70.3	70.4	70.5	70.6	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 300	66.8	69.6	70.5	71.1	71.6	71.7	71.8	71.9	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 250	69.0	72.4	73.3	74.0	74.6	74.7	74.8	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 200	70.8	74.2	75.2	75.8	76.5	76.6	76.8	77.0	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 1800	71.8	75.4	76.3	77.0	77.7	77.8	78.2	78.4	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 1500	73.0	76.7	78.0	78.7	79.5	79.6	79.9	80.1	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 1200	73.5	77.3	78.6	79.4	80.2	80.5	80.9	81.1	81.3	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1000	74.9	78.7	80.1	81.1	82.0	82.4	82.7	82.9	83.1	83.4	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 900	75.6	79.4	80.9	81.9	82.9	83.2	83.5	83.8	84.1	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 800	76.0	79.8	81.3	82.4	83.3	83.7	84.0	84.3	84.6	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 700	76.3	80.8	82.4	83.4	84.7	85.1	85.6	85.9	86.2	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 600	76.9	81.5	83.1	84.4	85.9	86.3	86.9	87.2	87.5	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 500	77.1	82.0	83.7	84.9	86.7	87.3	88.1	88.7	89.5	89.8	90.1	90.1	90.1	90.2	90.2	90.2	90.2
≥ 400	77.2	82.5	84.2	85.5	87.4	88.1	88.9	90.3	91.2	91.7	92.2	92.2	92.3	92.4	92.4	92.4	92.4
≥ 300	77.3	82.9	84.7	86.2	88.4	89.0	90.5	92.6	93.7	94.7	95.8	95.9	96.9	97.0	97.0	97.0	97.0
≥ 200	77.3	82.9	84.7	86.2	88.5	89.1	90.6	92.8	94.2	95.3	96.6	96.8	97.8	98.0	98.2	98.4	98.4
≥ 100	77.3	82.9	84.7	86.2	88.5	89.1	90.6	92.8	94.2	95.3	96.6	96.8	97.8	98.2	98.4	98.4	98.4
≥ 0	77.3	82.9	84.7	86.2	88.5	89.1	90.6	92.8	94.2	95.3	96.6	96.8	97.8	98.2	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS: 930

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

9483- K I SAN YEE AFB MI

1971

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
∞	47.1	47.4	48.1	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
∞	49.8	50.2	50.9	51.7	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
∞	50.9	51.3	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
∞	51.1	51.5	52.2	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
∞	51.7	52.2	52.8	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
∞	54.4	54.8	55.5	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
∞	57.0	57.4	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
∞	57.4	57.8	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
∞	58.8	59.4	60.0	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
∞	60.6	61.2	61.8	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
∞	62.6	63.1	63.8	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
∞	64.0	64.5	65.2	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
∞	64.5	65.1	65.7	66.0	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
∞	68.2	68.7	69.6	69.9	70.0	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
∞	69.1	69.9	70.8	71.3	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
∞	70.9	72.0	72.9	73.4	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
∞	73.4	74.5	75.5	76.0	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
∞	75.6	77.2	78.1	78.7	79.6	79.7	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
∞	76.1	78.0	78.8	79.5	80.3	80.4	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
∞	78.3	80.3	81.2	81.9	83.0	83.1	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
∞	79.6	81.6	82.5	83.2	84.4	84.5	84.9	85.2	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5
∞	80.2	82.6	83.7	84.4	85.8	85.9	86.3	86.6	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9
∞	81.1	83.4	84.6	85.5	86.9	87.0	87.4	87.6	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1
∞	81.8	84.2	85.4	86.3	87.8	88.0	88.4	88.6	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0
∞	82.2	85.2	86.5	87.4	89.0	89.1	89.7	89.9	90.1	90.4	90.4	90.4	90.4	90.4	90.4	90.4
∞	82.6	85.8	87.1	88.2	89.8	89.9	90.6	90.9	91.1	91.4	91.4	91.4	91.4	91.4	91.4	91.4
∞	82.8	86.0	87.5	88.6	90.3	90.4	91.5	91.9	92.3	92.6	92.7	92.7	92.7	92.7	92.7	92.7
∞	82.9	86.1	88.0	89.2	91.3	91.5	92.9	93.8	94.4	94.8	95.2	95.2	95.2	95.2	95.2	95.2
∞	82.9	86.1	88.0	89.2	91.4	91.9	93.4	94.6	95.5	96.1	96.7	96.7	97.2	97.2	97.3	97.3
∞	82.9	86.1	88.0	89.2	91.4	92.0	93.5	94.8	95.9	96.8	97.4	97.7	98.5	98.7	98.9	99.0
∞	82.9	86.1	88.0	89.2	91.4	92.0	93.5	94.8	95.9	96.8	97.4	97.7	98.5	98.9	99.2	99.9
∞	82.9	86.1	88.0	89.2	91.4	92.0	93.5	94.8	95.9	96.8	97.4	97.7	98.5	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 920

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836
STATION

K I SAWYER AFB MI
STATION NAME

59-78
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	48.7	49.0	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 20000	53.0	53.5	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
≥ 18000	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	55.1	55.1
≥ 16000	53.9	54.5	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
≥ 14000	54.5	55.2	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
≥ 12000	56.7	57.4	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
≥ 10000	58.4	59.2	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 9000	59.0	59.9	60.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 8000	60.1	61.1	61.7	61.7	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000	61.7	62.8	63.4	63.4	63.5	63.5	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 6000	64.2	65.5	66.1	66.1	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 5000	66.1	68.0	68.6	68.6	68.7	68.7	68.7	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 4500	67.8	69.8	70.8	70.8	70.9	70.9	70.9	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4000	71.3	73.2	74.3	74.3	74.4	74.4	74.4	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3500	72.6	74.6	75.7	75.7	75.8	75.8	75.8	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3000	75.5	78.0	79.1	79.1	79.2	79.2	79.2	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 2500	77.3	81.3	82.5	82.5	82.6	82.6	82.6	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 2000	79.9	82.9	84.1	84.1	84.3	84.3	84.3	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	80.3	83.3	84.5	84.5	84.8	84.8	84.8	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1500	82.2	85.5	86.8	86.8	87.3	87.3	87.3	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1200	82.8	86.1	87.5	87.5	88.2	88.2	88.2	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1000	83.0	86.3	88.0	88.0	88.8	88.8	88.8	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 900	83.2	86.7	88.3	88.3	89.1	89.1	89.1	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 800	83.4	87.1	88.7	88.7	89.8	89.8	89.9	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 700	83.7	87.7	89.6	89.6	90.6	90.6	90.9	91.4	91.6	91.7	92.0	92.0	92.0	92.0	92.0	92.0
≥ 600	83.9	88.2	90.1	90.1	91.3	91.3	91.5	92.0	92.3	92.4	92.8	92.8	92.9	92.9	92.9	92.9
≥ 500	84.2	88.7	90.6	90.8	92.0	92.2	92.7	93.3	93.7	93.9	94.6	94.6	94.8	94.8	94.8	94.8
≥ 400	84.2	88.7	90.6	90.8	92.2	92.4	93.4	94.4	94.7	95.2	96.2	96.2	96.5	96.5	96.5	96.5
≥ 300	84.2	88.8	90.8	90.9	92.5	92.8	94.0	95.1	95.8	96.6	97.7	97.8	98.2	98.2	98.2	98.2
≥ 200	84.2	88.8	90.8	90.9	92.5	92.8	94.1	95.4	96.3	97.3	98.5	98.6	99.0	99.0	99.1	99.2
≥ 100	84.2	88.8	90.8	90.9	92.5	92.8	94.1	95.4	96.3	97.3	98.5	98.6	99.1	99.4	99.5	100.0
≥ 0	84.2	88.8	90.8	90.9	92.5	92.8	94.1	95.4	96.3	97.3	98.5	98.6	99.1	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

69-75

HAY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	52.6	53.2	53.5	53.8	53.8	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 20000	55.5	56.5	56.8	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
IV 18000	55.8	56.8	57.1	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 16000	55.8	56.9	57.2	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV 14000	56.3	57.4	57.7	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 12000	58.0	59.1	59.5	59.7	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
IV 10000	60.2	61.5	61.8	62.0	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 9000	61.1	62.4	62.7	62.9	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 8000	62.9	64.4	64.7	64.9	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 7000	66.1	67.7	68.1	68.3	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 6000	67.7	69.6	70.0	70.2	70.3	70.3	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 5000	70.6	72.8	73.3	73.5	73.9	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 4500	71.3	73.4	74.0	74.2	74.5	74.5	74.8	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 4000	74.6	77.0	77.5	77.8	78.2	78.3	78.6	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 3500	75.4	78.0	78.5	78.8	79.4	79.4	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 3000	77.1	79.7	80.3	80.8	81.4	81.4	81.7	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 2500	79.1	82.0	82.9	83.3	84.0	84.0	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 2000	80.1	83.1	84.4	84.8	85.6	85.6	85.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 1800	80.8	83.8	85.2	85.6	86.3	86.3	86.7	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 1500	81.5	84.5	85.9	86.3	87.2	87.2	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 1200	82.0	85.2	86.6	87.0	87.8	87.8	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 1000	82.3	85.4	86.8	87.3	88.4	88.4	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 900	82.4	85.7	87.2	88.0	89.0	89.0	89.7	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 800	82.5	85.8	87.4	88.2	89.2	89.2	90.0	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
IV 700	82.5	86.0	87.7	88.6	90.2	90.2	91.0	91.5	91.5	91.5	91.6	91.8	91.8	91.8	91.8	91.8
IV 600	82.5	86.1	87.8	88.8	90.4	90.4	91.3	91.9	92.0	92.2	92.4	92.4	92.4	92.4	92.4	92.4
IV 500	82.5	86.6	88.4	89.6	91.2	91.2	92.4	93.0	93.2	93.4	93.8	93.3	93.9	93.9	93.9	93.9
IV 400	82.8	87.0	89.0	90.2	92.0	92.0	93.3	94.2	94.4	94.7	95.2	95.2	95.3	95.3	95.3	95.3
IV 300	82.9	87.1	89.1	90.4	92.5	92.5	94.0	95.1	95.8	96.1	97.1	97.1	97.4	97.5	97.5	97.5
IV 200	82.9	87.1	89.1	90.4	92.5	92.5	94.1	95.2	95.9	96.3	97.5	97.5	98.1	98.4	98.4	98.6
IV 100	82.9	87.1	89.1	90.4	92.5	92.5	94.1	95.2	95.9	96.3	97.6	97.6	98.7	99.0	99.0	99.9
IV 0	82.9	87.1	89.1	90.4	92.5	92.5	94.1	95.2	95.9	96.3	97.6	97.6	98.7	99.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB HI

69-78

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥	≥	≥	≥	≥5/8	≥4	≥0
NO CEILING	54.2	55.6	56.1	56.6	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 20000	57.0	58.8	59.4	59.9	59.9	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
IV 18000	57.2	59.0	59.6	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 16000	57.2	59.0	59.6	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 14000	58.3	60.2	60.8	61.3	61.3	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
IV 12000	59.1	61.1	61.6	62.2	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 10000	62.0	64.3	64.8	65.4	65.4	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 9000	63.1	65.6	66.1	66.7	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 8000	64.8	67.7	68.4	68.9	68.9	69.0	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 7000	66.6	69.7	70.4	71.0	71.0	71.1	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
IV 6000	68.3	71.4	72.3	72.8	72.9	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 5000	70.3	73.8	74.6	75.5	75.5	75.9	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
IV 4500	70.9	74.4	75.4	76.2	76.6	76.7	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
IV 4000	72.3	76.0	77.1	78.0	78.6	78.7	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 3500	73.8	77.5	78.7	79.7	80.3	80.4	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 3000	75.7	79.5	80.9	81.9	82.9	83.0	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 2500	76.8	80.5	82.0	83.2	84.2	84.3	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 2000	77.7	81.6	83.2	84.4	85.5	85.6	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 1800	78.3	82.2	83.8	84.9	86.0	86.1	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 1500	79.1	83.0	84.6	85.8	86.9	87.0	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 1200	79.6	83.5	85.2	86.3	87.4	87.5	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 1000	79.8	83.8	85.5	86.7	87.7	87.8	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 900	80.0	84.1	85.9	87.1	88.2	88.3	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 800	80.2	84.3	86.2	87.5	88.6	88.7	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 700	80.2	84.3	86.3	87.7	88.9	89.0	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 600	80.2	84.3	86.3	87.7	88.9	89.0	89.8	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3
IV 500	80.2	84.3	86.5	87.8	89.6	89.9	91.0	91.4	91.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9
IV 400	80.2	84.4	86.7	88.1	89.9	90.5	91.7	92.5	92.9	93.0	93.4	93.4	93.5	93.5	93.5	93.5
IV 300	80.2	84.5	86.9	88.3	90.3	91.0	92.4	93.5	94.3	94.5	95.3	95.3	95.4	95.6	95.6	95.6
IV 200	80.2	84.5	86.9	88.3	90.4	91.1	92.8	94.4	95.5	96.3	97.6	97.6	98.2	98.4	98.5	98.5
IV 100	80.2	84.5	86.9	88.3	90.4	91.1	92.8	94.4	95.5	96.3	97.6	97.6	98.4	98.6	99.2	100.0
IV 0	80.2	84.5	86.9	88.3	90.4	91.1	92.8	94.4	95.5	96.3	97.6	97.6	98.4	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835
STATION

K I SAWYER AFB MI
STATION NAME

69-76
YEAR

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL
PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2	≥ 2	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING	49.9	51.0	51.6	51.9	52.2	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5
≥ 20000	52.6	54.0	54.6	55.0	55.2	55.3	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.6	55.6
≥ 18000	53.0	54.4	55.0	55.4	55.7	55.7	55.8	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0
IV ≥ 15000	53.1	54.5	55.2	55.6	55.8	55.8	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV ≥ 4000	53.8	55.2	55.9	56.3	56.5	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.9	56.9
IV ≥ 12000	55.6	57.1	57.8	58.2	58.4	58.5	58.6	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8
IV ≥ 9000	58.6	60.2	61.0	61.4	61.6	61.7	61.8	61.9	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0
IV ≥ 8000	59.3	61.0	61.8	62.2	62.5	62.5	62.6	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV ≥ 7000	60.5	62.4	63.2	63.6	64.0	64.0	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.4	64.4
IV ≥ 6000	62.3	64.3	65.1	65.6	65.9	65.9	66.1	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV ≥ 5000	64.2	66.3	67.1	67.5	68.0	68.1	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV ≥ 4500	66.3	68.6	69.5	70.0	70.6	70.7	71.0	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV ≥ 4000	67.1	69.5	70.4	71.0	71.6	71.7	71.9	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3
IV ≥ 3500	69.0	71.6	72.6	73.2	74.0	74.1	74.3	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
IV ≥ 3000	70.0	72.6	73.6	74.2	75.1	75.1	75.4	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8
IV ≥ 2500	71.6	74.4	75.6	76.2	77.2	77.3	77.6	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV ≥ 2000	73.5	76.6	77.8	78.6	79.7	79.7	80.0	80.3	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5
IV ≥ 1800	74.9	78.1	79.5	80.2	81.4	81.5	81.8	82.1	82.2	82.3	82.3	82.3	82.3	82.3	82.4	82.4
IV ≥ 1500	75.4	78.7	80.1	80.8	82.0	82.1	82.5	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.1
IV ≥ 1200	76.5	80.0	81.5	82.3	83.6	83.7	84.1	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV ≥ 1000	77.2	80.8	82.3	83.1	84.5	84.6	85.1	85.5	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.9
IV ≥ 900	77.6	81.3	82.9	83.8	85.3	85.4	85.9	86.4	86.6	86.7	86.7	86.8	86.8	86.8	86.8	86.8
IV ≥ 800	77.9	81.7	83.4	84.3	85.9	86.0	86.5	87.0	87.2	87.3	87.4	87.4	87.4	87.4	87.4	87.4
IV ≥ 700	78.3	82.1	83.8	84.8	86.4	86.5	87.1	87.6	87.9	88.0	88.1	88.1	88.1	88.1	88.1	88.1
IV ≥ 600	78.4	82.5	84.3	85.3	87.1	87.3	87.9	88.5	88.7	88.9	89.0	89.0	89.0	89.0	89.1	89.1
IV ≥ 500	78.6	82.8	84.7	85.8	87.7	87.8	88.6	89.1	89.4	89.6	89.7	89.7	89.8	89.8	89.8	89.8
IV ≥ 400	78.7	83.1	85.0	86.1	88.2	88.5	89.5	90.3	90.7	90.9	91.2	91.2	91.3	91.3	91.3	91.4
IV ≥ 300	78.8	83.3	85.4	86.6	88.9	89.2	90.5	91.6	92.2	92.5	93.0	93.0	93.1	93.1	93.2	93.2
IV ≥ 200	78.9	83.4	85.6	86.9	89.4	89.7	91.4	92.9	93.8	94.4	95.2	95.3	95.7	95.7	95.8	95.8
IV ≥ 100	78.9	83.4	85.6	86.9	89.4	89.9	91.7	93.4	94.6	95.4	96.5	96.7	97.6	97.8	98.2	98.6
IV ≥ 0	78.9	83.4	85.6	86.9	89.4	89.9	91.7	93.5	94.7	95.5	96.6	96.8	97.8	98.1	98.9	99.9
IV ≥ 0	78.9	83.4	85.6	86.9	89.4	89.9	91.7	93.5	94.7	95.5	96.6	96.8	97.8	98.1	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7440

USAF ETAC

FORM
 JUL 64

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

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835

K I SAWYER AFB MI

09-78

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS:

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .2	≥ .1	≥ .05	≥ .02	≥ 0
NO CEILING	54.0	55.6	57.0	57.1	58.4	58.6	59.0	59.7	59.8	59.9	59.9	59.9	60.2	60.2	60.6	60.8
≥ 20000	57.4	59.1	60.8	61.0	62.3	62.6	63.0	63.7	63.8	63.9	63.9	63.9	64.2	64.2	64.6	64.8
≥ 18000	57.4	59.1	60.8	61.0	62.3	62.6	63.0	63.7	63.8	63.9	63.9	63.9	64.2	64.2	64.6	64.8
≥ 16000	57.4	59.1	60.8	61.0	62.3	62.6	63.0	63.7	63.8	63.9	63.9	63.9	64.2	64.2	64.6	64.8
≥ 14000	58.2	59.9	61.6	61.8	63.2	63.4	63.9	64.6	64.7	64.8	64.8	64.8	65.1	65.1	65.4	65.7
≥ 12000	59.3	61.0	62.7	62.9	64.3	64.6	65.0	65.7	65.8	65.9	65.9	65.9	66.2	66.2	66.6	66.8
≥ 10000	60.9	62.6	64.2	64.4	65.9	66.1	66.7	67.3	67.4	67.6	67.6	67.6	67.9	67.9	68.2	68.4
≥ 9000	61.3	63.0	64.8	65.0	66.4	66.7	67.2	67.9	68.0	68.1	68.1	68.1	68.4	68.4	68.8	69.0
≥ 8000	62.7	64.3	66.1	66.4	67.9	68.1	68.7	69.3	69.4	69.6	69.6	69.6	69.9	69.9	70.2	70.4
≥ 7000	65.2	67.1	69.1	69.4	70.9	71.1	71.7	72.3	72.4	72.6	72.6	72.6	72.9	72.9	73.2	73.4
≥ 6000	66.9	69.1	71.1	71.4	73.0	73.2	73.8	74.4	74.6	74.7	74.7	74.7	75.0	75.0	75.3	75.6
≥ 5000	68.8	71.3	73.3	73.9	75.7	75.9	76.4	77.1	77.2	77.3	77.3	77.3	77.7	77.7	78.0	78.2
≥ 4500	69.4	72.0	74.0	74.8	76.6	76.8	77.3	78.0	78.1	78.3	78.3	78.3	78.7	78.7	79.0	79.2
≥ 4000	70.3	73.0	75.2	76.0	78.2	78.6	79.1	80.0	80.1	80.3	80.3	80.3	80.8	80.8	81.1	81.3
≥ 3500	71.3	74.1	76.3	77.1	79.3	79.7	80.2	81.1	81.2	81.4	81.4	81.4	81.9	81.9	82.2	82.4
≥ 3000	73.0	76.3	78.6	79.4	81.9	82.2	82.8	83.7	83.8	84.0	84.0	84.0	84.4	84.4	84.8	85.0
≥ 2500	73.8	77.2	79.4	80.3	82.9	83.2	83.8	84.7	84.8	85.0	85.0	85.0	85.4	85.4	85.8	86.0
≥ 2000	74.4	77.9	80.1	81.0	83.6	83.9	84.4	85.4	85.6	85.8	85.8	85.8	86.2	86.2	86.6	86.8
≥ 1800	74.4	77.9	80.1	81.0	83.6	83.9	84.4	85.4	85.6	85.8	85.8	85.8	86.2	86.2	86.6	86.8
≥ 1500	74.9	78.4	80.7	81.6	84.2	84.6	85.1	86.2	86.3	86.6	86.6	86.6	87.0	87.0	87.3	87.6
≥ 1200	75.2	79.0	81.4	82.3	85.1	85.4	86.0	87.2	87.3	87.6	87.6	87.6	88.0	88.0	88.3	88.6
≥ 1000	75.8	79.6	82.0	83.2	86.0	86.4	87.1	88.3	88.4	88.7	88.7	88.7	89.1	89.1	89.4	89.7
≥ 900	76.3	80.2	82.7	83.9	86.7	87.1	87.8	89.0	89.1	89.3	89.4	89.4	89.9	89.9	90.2	90.4
≥ 800	77.0	81.0	83.4	84.7	87.6	88.0	88.7	89.9	90.0	90.2	90.3	90.3	90.9	90.9	91.2	91.4
≥ 700	77.3	81.6	84.0	85.2	88.3	88.8	89.4	90.7	90.8	91.0	91.1	91.1	91.7	91.7	92.0	92.2
≥ 600	77.3	81.6	84.0	85.3	88.6	89.0	89.7	90.9	91.0	91.2	91.3	91.3	91.9	91.9	92.2	92.4
≥ 500	77.6	82.0	84.4	85.8	89.3	90.1	91.0	92.2	92.7	92.9	93.0	93.0	93.6	93.6	93.9	94.2
≥ 400	77.7	82.1	84.7	86.1	89.8	90.6	92.1	93.4	93.9	94.1	94.2	94.2	94.8	94.8	95.1	95.4
≥ 300	77.7	82.3	84.9	86.3	90.1	90.9	92.8	94.4	95.1	95.3	95.4	95.4	96.0	96.0	96.3	96.7
≥ 200	77.7	82.3	84.9	86.3	90.1	90.9	93.0	94.8	95.7	96.0	96.4	96.6	97.1	97.1	97.6	98.3
≥ 100	77.7	82.3	84.9	86.3	90.1	90.9	93.0	94.8	95.7	96.0	96.4	96.6	97.2	97.9	98.9	100.0
≥ 0	77.7	82.3	84.9	86.3	90.1	90.9	93.0	94.8	95.7	96.0	96.4	96.6	97.2	97.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFFTAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835

K I SAWYER AFB MI

1978

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.9	≥0.8	≥0.7	≥0.6	≥0.5	≥0.4
NO CEILING	49.3	51.1	51.8	52.2	53.4	53.6	54.1	54.7	55.2	55.6	56.0	56.0	56.2	56.3	56.8	57.0
≥20000	51.6	53.3	54.2	54.7	55.9	56.0	56.6	57.1	57.7	58.0	58.4	58.4	58.7	58.8	59.2	59.4
≥18000	51.8	53.6	54.4	54.9	56.1	56.2	56.8	57.3	57.9	58.2	58.7	58.7	58.9	59.0	59.4	59.7
≥16000	51.9	53.7	54.6	55.0	56.2	56.3	56.9	57.4	58.0	58.3	58.8	58.8	59.0	59.1	59.6	59.8
≥14000	52.4	54.2	55.1	55.6	56.8	56.9	57.4	58.0	58.6	58.9	59.3	59.3	59.6	59.7	60.1	60.3
≥12000	53.9	55.8	56.7	57.1	58.3	58.4	59.0	59.7	60.2	60.6	61.0	61.0	61.2	61.3	61.8	62.0
≥10000	55.7	57.8	58.7	59.1	60.4	60.6	61.1	61.8	62.3	62.7	63.1	63.1	63.3	63.4	63.9	64.1
≥9000	56.2	58.3	59.2	59.7	61.0	61.1	61.7	62.3	62.9	63.2	63.7	63.7	63.9	64.0	64.4	64.7
≥8000	58.4	60.7	61.6	62.0	63.3	63.6	64.1	64.8	65.3	65.7	66.1	66.1	66.3	66.4	66.9	67.1
≥7000	60.0	62.2	63.1	63.6	65.1	65.3	65.9	66.7	67.2	67.6	68.0	68.0	68.2	68.3	68.8	69.0
≥6000	62.4	64.7	65.7	66.1	67.5	68.0	68.7	69.4	70.0	70.3	70.8	70.8	71.0	71.1	71.5	71.8
≥5000	64.3	66.8	68.0	68.4	70.1	70.3	71.0	71.8	72.3	72.7	73.1	73.1	73.3	73.4	73.9	74.1
≥4500	64.9	67.6	68.8	69.2	70.9	71.1	71.8	72.6	73.1	73.4	73.9	73.9	74.1	74.2	74.7	74.9
≥4000	66.4	69.1	70.6	71.0	72.7	72.9	73.6	74.6	75.1	75.4	75.9	75.9	76.1	76.2	76.7	76.9
≥3500	67.6	70.3	71.8	72.2	73.9	74.1	74.8	75.8	76.4	76.8	77.2	77.2	77.4	77.6	78.0	78.2
≥3000	68.6	71.3	72.8	73.2	74.9	75.1	75.8	76.8	77.6	77.9	78.3	78.3	78.6	78.7	79.1	79.3
≥2500	69.6	72.3	74.0	74.4	76.1	76.3	77.0	78.0	78.8	79.1	79.6	79.6	79.8	79.9	80.3	80.6
≥2000	70.2	73.1	74.8	75.2	76.9	77.1	77.8	78.9	79.7	80.0	80.4	80.4	80.7	80.8	81.2	81.4
≥1800	70.2	73.1	74.8	75.2	76.9	77.1	77.8	78.9	79.7	80.0	80.4	80.4	80.7	80.8	81.2	81.4
≥1500	71.2	74.2	75.9	76.3	78.1	78.3	79.0	80.1	80.9	81.2	81.7	81.7	81.9	82.0	82.4	82.7
≥1200	71.6	74.7	76.3	76.8	78.6	78.8	79.4	80.6	81.3	81.7	82.1	82.1	82.3	82.4	82.9	83.1
≥1000	72.4	75.8	77.6	78.2	80.2	80.4	81.2	82.3	83.1	83.4	83.9	83.9	84.1	84.2	84.7	84.9
≥900	72.9	76.2	78.0	78.7	80.7	80.9	81.8	83.0	83.8	84.1	84.6	84.6	84.8	84.9	85.3	85.6
≥800	73.2	76.6	78.3	79.0	81.0	81.2	82.1	83.3	84.1	84.4	84.9	84.9	85.1	85.2	85.7	85.9
≥700	73.6	77.0	78.9	79.7	81.8	82.0	82.9	84.1	84.9	85.2	85.7	85.7	85.9	86.0	86.4	86.7
≥600	73.7	77.1	79.0	79.8	82.0	82.3	83.2	84.7	85.4	85.8	86.2	86.2	86.4	86.6	87.0	87.2
≥500	74.0	77.8	79.7	80.6	83.3	83.8	85.1	86.6	87.3	87.7	88.1	88.1	88.3	88.4	88.9	89.1
≥400	74.2	78.1	80.0	80.9	84.3	84.8	86.4	88.4	89.6	90.1	90.7	90.9	91.1	91.2	91.7	91.9
≥300	74.6	78.7	80.6	81.6	85.2	85.7	87.8	90.0	91.4	92.3	92.9	93.1	93.3	93.6	94.2	94.6
≥200	74.6	78.7	80.6	81.6	85.2	85.7	88.2	90.6	92.2	93.4	94.4	94.9	95.3	95.7	97.0	97.8
≥100	74.6	78.7	80.6	81.6	85.2	85.7	88.2	90.6	92.2	93.4	94.4	95.0	95.7	96.3	98.2	99.9
≥0	74.6	78.7	80.6	81.6	85.2	85.7	88.2	90.6	92.2	93.4	94.4	95.0	95.7	96.3	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

69-78

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0	≥0	≥0	≥0	≥0	
NO CEILING	45.4	47.4	48.3	48.5	49.2	49.2	49.4	49.6	49.7	49.7	49.8	49.9	50.4	50.4	50.7	50.7
IV 20000	48.1	50.4	51.4	51.6	52.4	52.4	52.7	53.1	53.3	53.3	53.4	53.5	53.9	53.9	54.3	54.3
IV 18000	48.3	50.7	51.7	51.9	52.7	52.7	53.1	53.4	53.6	53.6	53.7	53.8	54.3	54.3	54.6	54.6
IV 16000	48.3	50.7	51.7	51.9	52.7	52.7	53.1	53.4	53.6	53.6	53.7	53.8	54.3	54.3	54.6	54.6
IV 14000	49.2	51.6	52.7	52.9	53.7	53.7	54.1	54.5	54.7	54.7	54.8	54.9	55.4	55.4	55.7	55.7
IV 12000	51.6	54.3	55.4	55.6	56.4	56.4	56.7	57.2	57.4	57.4	57.5	57.6	58.1	58.1	58.4	58.4
IV 10000	53.7	56.8	58.2	58.4	59.7	59.8	60.2	60.6	60.8	60.8	61.0	61.1	61.5	61.5	61.8	61.8
IV 9000	54.3	57.5	58.8	59.1	60.5	60.6	61.0	61.4	61.6	61.6	61.7	61.8	62.3	62.3	62.6	62.6
IV 8000	56.1	59.3	60.7	61.0	62.5	62.6	63.0	63.5	63.7	63.7	63.8	64.0	64.4	64.4	64.7	64.7
IV 7000	57.8	61.6	63.1	63.3	64.8	65.0	65.3	65.9	66.2	66.2	66.3	66.4	66.9	66.9	67.2	67.2
IV 6000	59.0	63.1	64.5	64.7	66.4	66.6	67.0	67.7	68.1	68.1	68.2	68.3	68.7	68.7	69.1	69.1
IV 5000	61.8	66.5	68.0	68.3	70.0	70.2	70.5	71.3	71.6	71.6	71.7	71.9	72.3	72.3	72.6	72.6
IV 4500	62.2	66.9	68.3	68.6	70.3	70.5	70.9	71.6	72.0	72.0	72.1	72.2	72.6	72.6	73.0	73.0
IV 4000	63.1	67.9	69.6	70.0	71.9	72.1	72.4	73.2	73.5	73.5	73.6	73.7	74.2	74.3	74.6	74.6
IV 3500	63.8	68.6	70.6	71.0	73.0	73.2	73.5	74.3	74.6	74.6	74.7	74.9	75.3	75.4	75.8	75.8
IV 3000	64.4	69.3	71.5	71.9	74.1	74.3	74.6	75.5	76.0	76.1	76.3	76.4	77.0	77.1	77.4	77.4
IV 2500	65.6	70.9	73.1	73.4	75.6	75.9	76.2	77.1	77.5	77.6	77.9	78.0	78.5	78.6	79.0	79.0
IV 2000	67.0	72.2	74.4	74.7	77.0	77.2	77.5	78.4	78.9	79.0	79.2	79.3	79.9	80.0	80.3	80.3
IV 1800	67.1	72.5	74.9	75.2	77.4	77.6	78.0	78.9	79.3	79.4	79.6	79.8	80.3	80.4	80.8	80.8
IV 1500	68.2	73.6	76.0	76.3	78.5	78.8	79.1	80.0	80.4	80.5	80.8	80.9	81.4	81.5	81.9	81.9
IV 1200	69.3	75.0	77.3	77.6	79.9	80.2	80.5	81.4	81.9	82.0	82.2	82.3	82.9	83.0	83.3	83.4
IV 1000	70.0	76.1	78.5	78.9	81.4	81.8	82.2	83.1	83.5	83.6	83.9	84.0	84.5	84.6	85.0	85.1
IV 900	70.4	76.5	79.1	79.4	82.0	82.3	82.8	83.6	84.1	84.2	84.4	84.5	85.1	85.2	85.5	85.7
IV 800	71.2	77.4	80.0	80.3	83.1	83.4	83.9	84.8	85.2	85.3	85.5	85.7	86.2	86.3	86.7	86.8
IV 700	71.7	78.0	80.5	80.9	83.8	84.1	84.5	85.4	85.9	86.0	86.2	86.3	86.9	87.0	87.3	87.4
IV 600	72.3	78.8	81.4	81.8	84.6	85.0	85.5	86.4	86.9	87.0	87.2	87.3	87.9	88.0	88.3	88.4
IV 500	73.0	79.6	82.5	82.9	86.1	86.9	87.7	88.7	89.1	89.2	89.4	89.5	90.1	90.2	90.5	90.7
IV 400	73.3	80.1	83.3	83.8	87.1	88.1	89.2	90.2	90.7	90.9	91.3	91.4	92.0	92.1	92.4	92.5
IV 300	73.3	80.3	83.6	84.2	88.3	88.8	90.1	91.4	92.1	92.3	93.8	94.0	95.0	95.6	96.2	96.6
IV 200	73.3	80.3	83.6	84.2	88.3	88.8	90.1	91.4	92.4	93.4	94.8	95.0	96.1	96.9	97.7	98.8
IV 100	73.3	80.3	83.6	84.2	88.3	88.8	90.1	91.4	92.5	93.5	94.9	95.1	96.3	97.1	98.4	99.9
IV 0	73.3	80.3	83.6	84.2	88.3	88.8	90.1	91.4	92.5	93.5	94.9	95.1	96.3	97.1	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94824 K I SAWYER AFB MI

69-73

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	47.5	48.6	48.8	48.9	49.3	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 20000	51.5	53.1	53.3	53.4	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 1800	51.8	53.4	53.6	53.7	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IV 1600	51.9	53.5	53.7	53.8	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 1400	51.9	53.6	53.8	54.2	54.5	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
IV 1200	53.3	55.2	55.4	55.7	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 1000	56.2	58.3	58.5	59.0	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 900	56.6	59.0	59.2	59.6	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 800	60.8	63.3	63.6	64.2	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 700	63.0	65.5	65.9	66.4	67.2	67.3	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 600	63.4	66.1	66.4	67.0	67.9	68.1	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 500	64.5	67.4	67.9	68.4	69.3	69.5	69.6	69.6	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9
IV 450	64.7	68.2	68.6	69.2	70.1	70.3	70.4	70.4	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6
IV 400	66.5	70.5	71.0	71.5	72.4	72.6	72.9	72.9	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 350	67.1	71.1	71.6	72.2	73.2	73.4	73.6	73.6	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 300	69.2	73.4	74.0	74.5	75.6	75.9	76.1	76.2	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5
IV 250	70.9	75.5	76.1	76.8	78.1	78.3	78.5	78.6	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 200	74.2	79.2	79.8	80.4	81.8	82.0	82.2	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 1800	74.5	79.5	80.1	80.8	82.1	82.3	82.5	82.6	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 1500	76.6	82.0	82.5	83.2	84.9	85.1	85.3	85.4	85.5	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 1200	78.2	83.6	84.3	85.0	86.7	86.9	87.3	87.4	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 1000	78.9	84.4	85.1	85.8	87.4	87.7	88.1	88.3	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 900	79.4	85.0	85.7	86.3	88.0	88.2	88.7	88.9	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 800	80.1	85.7	86.3	87.0	88.8	89.0	89.4	89.8	89.9	90.2	90.2	90.2	90.2	90.2	90.2	90.2
IV 700	80.4	86.4	87.2	87.9	89.7	90.0	90.4	90.8	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2
IV 600	81.3	87.3	88.2	88.9	90.9	91.3	91.8	92.3	92.4	92.8	92.9	92.9	92.9	92.9	92.9	92.9
IV 500	81.4	87.7	88.7	89.5	91.7	92.3	93.3	94.1	94.2	94.5	94.7	94.7	94.7	94.7	94.7	94.7
IV 400	81.6	88.1	89.2	90.2	92.5	93.4	94.5	95.7	96.0	96.4	96.6	96.6	96.6	96.6	96.6	96.6
IV 300	81.6	88.1	89.2	90.2	92.5	93.5	94.9	96.2	96.8	97.4	97.7	97.7	98.1	98.2	98.2	98.2
IV 200	81.8	88.2	89.3	90.3	92.8	93.8	95.1	96.6	97.1	97.9	98.4	98.4	99.0	99.3	99.6	99.7
IV 100	81.8	88.2	89.3	90.3	92.8	93.8	95.1	96.6	97.1	97.9	98.4	98.4	99.0	99.4	99.8	100.0
IV 0	81.8	88.2	89.3	90.3	92.8	93.8	95.1	96.6	97.1	97.9	98.4	98.4	99.0	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

1200-1400

CEILING FEET	VISIBILITY STATISTICS															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.3	≥.25	≥.2	≥.15	≥.1	≥0
NO CEILING	40.8	42.1	42.6	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 20000	48.2	49.9	50.4	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
IV 8000	49.4	51.1	51.7	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
IV 10000	49.6	51.2	51.8	51.8	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
IV 12000	49.8	51.6	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 14000	50.6	52.3	52.9	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 16000	54.1	56.0	56.7	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
IV 18000	55.1	57.0	57.7	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 20000	57.7	59.8	60.4	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
IV 22000	59.1	61.3	62.0	62.2	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 24000	59.8	62.0	62.7	62.9	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
IV 26000	62.0	64.2	64.9	65.2	65.6	65.7	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
IV 28000	62.8	65.2	65.9	66.2	66.6	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
IV 30000	67.7	70.6	71.4	71.9	72.4	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
IV 32000	68.7	71.8	72.7	73.1	73.7	73.8	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 34000	73.6	77.3	78.3	78.8	79.3	79.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 36000	75.7	80.0	81.0	81.4	82.0	82.1	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 38000	78.2	82.9	84.0	84.6	85.3	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
IV 40000	78.9	83.6	84.7	85.2	86.0	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 42000	80.6	85.8	87.2	87.9	88.8	88.9	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 44000	81.4	86.9	88.3	89.0	90.2	90.3	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 46000	82.2	87.8	89.3	90.0	91.4	91.6	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 48000	82.4	88.1	89.8	90.4	91.9	92.0	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 50000	82.8	88.7	90.4	91.2	92.8	92.9	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 52000	82.8	88.9	90.8	91.7	93.2	93.4	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 54000	83.0	89.1	91.0	91.9	93.7	93.9	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 56000	83.3	89.7	91.7	92.8	94.6	94.9	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 58000	83.4	90.1	92.2	93.3	95.2	95.6	96.7	97.0	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 60000	83.4	90.2	92.4	93.7	96.0	96.3	98.1	98.6	98.8	99.1	99.2	99.2	99.2	99.3	99.3	99.3
IV 62000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 64000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 66000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 68000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 70000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 72000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 74000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 76000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 78000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 80000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 82000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 84000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 86000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 88000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 90000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 92000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 94000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 96000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 98000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8
IV 100000	83.4	90.2	92.4	93.7	96.0	96.4	98.2	98.7	99.0	99.4	99.6	99.6	99.6	99.7	99.7	99.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-70

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	41.5	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
IV 20000	48.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 18000	49.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 16000	49.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 14000	49.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 12000	50.9	53.9	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 10000	53.0	56.0	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 9000	53.9	56.9	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
IV 8000	56.2	59.6	59.8	59.8	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 7000	57.8	61.4	61.7	61.7	62.1	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
IV 6000	59.8	63.4	63.7	63.7	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 5000	62.8	66.6	66.8	66.8	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 4500	64.3	68.7	68.9	68.9	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
IV 4000	70.4	75.2	75.7	75.8	76.4	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 3500	72.2	77.0	77.4	77.6	78.2	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
IV 3000	75.4	80.8	81.3	81.7	82.4	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 2500	76.9	82.3	82.9	83.2	84.1	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 2000	78.3	83.9	84.4	84.8	85.8	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
IV 1800	78.8	84.7	85.3	85.7	86.7	86.7	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
IV 1500	80.8	87.0	87.7	88.0	89.0	89.0	89.6	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 1200	81.2	87.9	88.7	89.1	90.2	90.2	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 1000	81.4	88.2	89.2	89.8	91.2	91.2	91.8	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 900	81.6	88.4	89.4	90.0	91.4	91.4	92.1	92.2	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 800	82.0	89.0	90.0	90.6	92.1	92.1	92.8	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 700	82.1	89.3	90.4	91.1	92.8	92.8	93.4	93.6	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 600	82.6	89.9	91.2	92.0	93.8	93.8	94.6	94.7	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 500	82.7	90.4	91.9	92.8	94.9	94.9	95.9	96.1	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 400	82.7	90.4	91.9	92.8	95.0	95.1	96.2	96.9	97.4	97.9	98.0	98.0	98.0	98.0	98.0	98.0
IV 300	82.7	90.4	91.9	92.8	95.0	95.1	96.3	97.4	98.0	98.6	98.8	98.9	98.9	99.0	99.0	99.0
IV 200	82.7	90.4	91.9	92.8	95.0	95.1	96.4	97.6	98.1	98.7	98.9	99.0	99.0	99.0	99.0	99.0
IV 100	82.7	90.4	91.9	92.8	95.0	95.1	96.4	97.6	98.1	98.7	98.9	99.0	99.0	99.0	99.0	99.0
IV 0	82.7	90.4	91.9	92.8	95.0	95.1	96.4	97.6	98.1	98.7	98.9	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB HI

59-76

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS.

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	47.3	50.1	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 20000	53.1	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 18000	53.9	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 16000	53.9	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 14000	54.5	57.8	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	58.3
≥ 12000	56.5	59.9	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 10000	59.3	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 9000	60.4	64.3	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	64.7
≥ 8000	62.2	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 7000	63.1	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 6000	65.2	69.3	69.8	69.9	70.2	70.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 5000	68.0	72.2	72.8	73.0	73.3	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4500	68.9	73.2	73.8	74.0	74.4	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4000	73.3	78.1	78.9	79.1	79.7	79.9	80.1	80.2	80.2	80.4	80.5	80.5	80.5	80.5	80.5	80.5
≥ 3500	74.4	79.5	80.5	80.7	81.6	81.8	82.0	82.3	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3000	75.8	81.0	82.1	82.5	83.6	83.8	84.0	84.3	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5
≥ 2500	77.7	83.1	84.3	84.7	85.8	86.0	86.3	86.5	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	78.9	84.7	85.8	86.3	87.4	87.6	87.8	88.2	88.2	88.4	88.5	88.5	88.5	88.5	88.5	88.5
≥ 1800	79.0	84.8	85.9	86.4	87.5	87.7	87.9	88.3	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1500	79.7	85.9	87.2	87.6	88.7	89.0	89.2	89.5	89.5	89.7	89.8	89.8	89.8	89.8	89.8	89.8
≥ 1200	80.5	86.7	88.1	88.5	89.8	90.1	90.3	90.6	90.6	91.0	91.2	91.2	91.2	91.2	91.2	91.2
≥ 1000	80.9	87.4	88.7	89.2	91.1	91.3	91.5	91.9	91.9	92.2	92.4	92.4	92.4	92.4	92.4	92.4
≥ 900	81.1	87.6	89.0	89.4	91.3	91.5	91.7	92.1	92.1	92.4	92.6	92.6	92.6	92.6	92.6	92.6
≥ 800	81.5	87.9	89.3	89.7	91.6	91.9	92.1	92.7	92.7	93.2	93.4	93.4	93.4	93.4	93.4	93.4
≥ 700	81.5	88.1	89.5	90.0	91.9	92.1	92.3	93.2	93.2	93.6	93.9	93.9	93.9	93.9	93.9	93.9
≥ 600	81.8	88.6	90.2	90.6	92.5	92.7	93.0	93.9	93.9	94.3	94.5	94.5	94.5	94.5	94.5	94.5
≥ 500	81.9	89.5	91.2	91.7	94.1	94.3	94.6	95.5	95.6	96.1	96.3	96.3	96.3	96.3	96.3	96.3
≥ 400	82.1	89.8	91.5	92.1	94.4	94.6	95.0	95.9	96.1	96.5	96.8	96.8	96.8	96.8	96.8	96.8
≥ 300	82.1	89.8	91.5	92.1	94.4	94.8	95.3	96.4	97.0	97.7	98.0	98.0	98.1	98.1	98.1	98.1
≥ 200	82.1	89.8	91.5	92.1	94.4	94.8	95.4	96.5	97.2	98.1	98.8	98.8	98.9	99.0	99.2	99.2
≥ 100	82.1	89.8	91.5	92.1	94.4	94.8	95.4	96.5	97.2	98.1	98.8	98.8	98.9	99.0	99.2	99.4
≥ 0	82.1	89.8	91.5	92.1	94.4	94.8	95.4	96.5	97.2	98.1	98.8	98.8	98.9	99.0	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

CEILING FEET	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
NO CEILING	51.4	52.9	54.5	54.8	55.1	55.2	55.4	55.6	55.7	55.7	55.8	55.8	55.8	55.8	56.0	56.0	56.0
≥ 2000	55.6	57.6	59.7	60.2	60.6	60.7	61.0	61.2	61.3	61.3	61.4	61.4	61.4	61.4	61.5	61.5	61.5
≥ 800	56.2	58.2	60.3	60.7	61.2	61.3	61.5	61.7	61.8	61.8	62.0	62.0	62.0	62.0	62.1	62.1	62.1
≥ 600	56.2	58.2	60.3	60.7	61.2	61.3	61.5	61.7	61.8	61.8	62.0	62.0	62.0	62.0	62.1	62.1	62.1
≥ 400	57.1	59.2	61.3	61.7	62.2	62.3	62.6	62.8	63.0	63.0	63.1	63.1	63.1	63.1	63.2	63.2	63.2
≥ 200	58.4	60.7	63.0	63.4	63.8	64.0	64.3	64.5	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.8	64.8
≥ 100	62.0	64.3	66.5	67.1	67.5	67.6	68.2	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.7	68.7
≥ 800	62.4	64.7	67.1	67.6	68.1	68.2	68.7	69.0	69.1	69.1	69.2	69.2	69.2	69.2	69.3	69.3	69.3
≥ 600	64.1	66.4	68.7	69.3	70.0	70.1	70.6	70.9	71.0	71.0	71.1	71.1	71.1	71.1	71.2	71.2	71.2
≥ 400	66.1	68.5	70.9	71.4	72.1	72.2	72.7	73.0	73.1	73.1	73.2	73.2	73.2	73.2	73.3	73.3	73.3
≥ 200	67.5	70.1	72.5	73.1	73.9	74.2	74.7	75.0	75.1	75.1	75.2	75.2	75.2	75.2	75.3	75.3	75.3
≥ 100	70.5	73.7	76.3	76.9	77.6	78.0	78.5	78.8	78.9	79.0	79.1	79.1	79.1	79.1	79.2	79.2	79.2
≥ 400	71.0	74.2	76.9	77.4	78.2	78.5	79.1	79.3	79.4	79.5	79.6	79.6	79.6	79.6	79.8	79.8	79.8
≥ 200	73.4	77.1	79.8	80.3	81.3	81.8	82.4	82.6	82.8	83.1	83.2	83.2	83.3	83.3	83.4	83.4	83.4
≥ 100	74.0	78.0	80.6	81.3	82.4	82.9	83.5	83.8	83.9	84.2	84.3	84.3	84.4	84.4	84.5	84.5	84.6
≥ 800	75.9	80.4	83.1	83.9	85.0	85.4	86.1	86.3	86.4	86.6	86.6	86.9	86.9	87.0	87.1	87.2	87.2
≥ 600	77.9	82.5	85.2	86.0	87.1	87.5	88.2	88.4	88.5	88.9	89.0	89.0	89.1	89.2	89.3	89.3	89.3
≥ 400	78.6	83.4	86.2	87.0	88.3	88.8	89.4	89.7	89.8	90.1	90.2	90.2	90.3	90.4	90.5	90.5	90.5
≥ 200	78.6	83.4	86.2	87.0	88.2	88.8	89.4	89.7	89.8	90.1	90.2	90.2	90.3	90.4	90.5	90.5	90.5
≥ 100	79.0	83.8	86.5	87.3	88.7	89.1	89.8	90.0	90.1	90.4	90.5	90.5	90.7	90.8	90.9	90.9	90.9
≥ 800	79.2	84.1	87.1	88.0	89.3	89.8	90.5	90.8	90.9	91.2	91.3	91.3	91.4	91.5	91.7	91.7	91.7
≥ 600	79.2	84.8	87.8	88.8	90.4	90.9	91.7	91.9	92.0	92.3	92.5	92.5	92.7	92.8	92.9	92.9	92.9
≥ 400	80.1	85.3	88.3	89.3	91.0	91.4	92.2	92.5	92.7	93.0	93.2	93.2	93.4	93.5	93.7	93.7	93.7
≥ 200	80.3	85.7	89.0	90.0	91.7	92.1	92.9	93.2	93.3	93.7	93.9	93.9	94.1	94.2	94.3	94.3	94.3
≥ 100	80.5	86.3	89.7	90.7	92.3	92.8	93.5	93.9	94.0	94.4	94.7	94.7	94.9	95.0	95.1	95.1	95.1
≥ 800	80.8	86.8	90.1	91.1	92.9	93.3	94.1	94.7	94.8	95.2	95.4	95.4	95.7	95.8	95.9	95.9	95.9
≥ 600	81.1	87.1	90.5	91.7	93.5	94.1	95.0	95.7	95.9	96.3	96.6	96.6	96.8	96.9	97.0	97.0	97.0
≥ 400	81.1	87.2	90.8	91.9	93.8	94.3	95.4	96.1	96.3	96.8	97.0	97.0	97.2	97.3	97.4	97.4	97.4
≥ 200	81.1	87.2	90.8	92.0	94.0	94.5	95.8	96.6	97.0	97.7	97.9	97.9	98.1	98.2	98.3	98.4	98.4
≥ 100	81.1	87.2	90.8	92.0	94.1	94.7	95.9	96.8	97.2	97.9	98.2	98.3	98.6	98.8	98.9	99.1	99.1
≥ 800	81.1	87.2	90.8	92.0	94.1	94.7	95.9	96.8	97.2	97.9	98.3	98.7	98.9	99.1	99.4	100.0	100.0
≥ 600	81.1	87.2	90.8	92.0	94.1	94.7	95.9	96.8	97.2	97.9	98.3	98.7	98.9	99.1	99.4	100.0	100.0
≥ 400	81.1	87.2	90.8	92.0	94.1	94.7	95.9	96.8	97.2	97.9	98.3	98.7	98.9	99.1	99.4	100.0	100.0
≥ 200	81.1	87.2	90.8	92.0	94.1	94.7	95.9	96.8	97.2	97.9	98.3	98.7	98.9	99.1	99.4	100.0	100.0
≥ 100	81.1	87.2	90.8	92.0	94.1	94.7	95.9	96.8	97.2	97.9	98.3	98.7	98.9	99.1	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 399

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	47.2	49.0	49.7	49.9	50.4	50.4	50.6	50.8	50.9	51.0	51.1	51.1	51.2	51.2	51.4	51.4
≥ 20000	51.7	53.9	54.7	54.9	55.5	55.5	55.7	56.0	56.1	56.1	56.2	56.2	56.4	56.4	56.5	56.6
IV 18000	52.2	54.4	55.3	55.5	56.0	56.1	56.3	56.5	56.6	56.7	56.8	56.8	56.9	56.9	57.1	57.1
IV 16000	52.3	54.5	55.3	55.5	56.1	56.1	56.3	56.6	56.7	56.7	56.8	56.8	57.0	57.0	57.1	57.2
IV 14000	52.9	55.1	56.0	56.2	56.7	56.8	57.0	57.3	57.4	57.4	57.5	57.5	57.7	57.7	57.8	57.9
IV 12000	54.3	56.6	57.5	57.8	58.3	58.4	58.6	58.8	59.0	59.0	59.1	59.1	59.3	59.3	59.4	59.5
IV 10000	56.8	59.3	60.3	60.6	61.3	61.3	61.6	61.9	62.0	62.0	62.1	62.1	62.3	62.3	62.4	62.5
IV 9000	57.5	60.1	61.1	61.3	62.1	62.2	62.4	62.7	62.8	62.9	63.0	63.0	63.1	63.1	63.3	63.3
IV 8000	59.8	62.4	63.4	63.7	64.5	64.6	64.9	65.2	65.3	65.4	65.4	65.5	65.6	65.6	65.7	65.8
IV 7000	61.5	64.4	65.4	65.7	66.6	66.7	67.0	67.2	67.4	67.5	67.5	67.6	67.7	67.7	67.8	67.9
IV 6000	63.0	66.0	67.0	67.3	68.3	68.5	68.8	69.1	69.2	69.3	69.4	69.4	69.5	69.6	69.7	69.8
IV 5000	65.3	68.6	69.7	70.1	71.1	71.3	71.7	72.0	72.1	72.2	72.3	72.3	72.4	72.4	72.6	72.6
IV 4500	66.0	69.5	70.6	71.0	72.0	72.2	72.6	72.9	73.0	73.2	73.2	73.3	73.4	73.4	73.5	73.6
IV 4000	68.9	72.7	74.0	74.4	75.6	75.9	76.3	76.7	76.8	77.0	77.1	77.3	77.3	77.4	77.5	77.5
IV 3500	69.9	73.8	75.2	75.6	76.9	77.1	77.6	78.0	78.1	78.3	78.4	78.4	78.6	78.6	78.8	78.8
IV 3000	72.0	76.2	77.7	78.2	79.6	79.8	80.3	80.7	80.9	81.1	81.2	81.2	81.4	81.4	81.6	81.6
IV 2500	73.5	78.0	79.5	80.0	81.5	81.7	82.1	82.6	82.8	82.9	83.0	83.1	83.2	83.3	83.4	83.5
IV 2000	75.0	79.7	81.2	81.7	83.2	83.5	83.9	84.4	84.6	84.8	84.9	84.9	85.1	85.1	85.3	85.3
IV 1800	75.2	79.9	81.5	82.1	83.6	83.8	84.2	84.7	84.9	85.1	85.2	85.2	85.4	85.4	85.6	85.6
IV 1500	76.4	81.3	83.0	83.5	85.1	85.3	85.8	86.3	86.5	86.7	86.8	86.8	87.0	87.0	87.2	87.2
IV 1200	77.1	82.2	83.9	84.5	86.2	86.5	87.0	87.5	87.7	87.9	88.0	88.0	88.2	88.2	88.4	88.4
IV 1000	77.7	83.0	84.8	85.5	87.4	87.7	88.1	88.7	89.0	89.2	89.3	89.3	89.5	89.5	89.7	89.8
IV 900	78.0	83.4	85.2	85.9	87.9	88.1	88.7	89.2	89.5	89.7	89.8	89.8	90.0	90.1	90.2	90.3
IV 800	78.5	84.0	85.8	86.6	88.6	88.8	89.4	90.0	90.3	90.5	90.6	90.7	90.9	90.9	91.0	91.1
IV 700	78.7	84.4	86.4	87.1	89.2	89.5	90.1	90.7	91.0	91.2	91.4	91.4	91.6	91.6	91.8	91.8
IV 600	79.1	84.9	86.9	87.7	89.9	90.2	90.8	91.5	91.8	92.0	92.2	92.2	92.4	92.4	92.6	92.7
IV 500	79.4	85.5	87.6	88.5	91.0	91.4	92.3	93.1	93.5	93.7	93.9	93.9	94.1	94.1	94.3	94.4
IV 400	79.5	85.8	87.9	88.9	91.6	92.1	93.2	94.2	94.6	95.0	95.2	95.3	95.5	95.5	95.7	95.8
IV 300	79.6	85.9	88.1	89.1	92.0	92.5	93.9	95.1	95.8	96.4	96.7	96.8	97.1	97.2	97.5	97.6
IV 200	79.6	85.9	88.1	89.1	92.0	92.5	94.0	95.4	96.1	96.9	97.4	97.6	98.0	98.3	98.7	99.0
IV 100	79.6	85.9	88.1	89.1	92.0	92.5	94.0	95.4	96.1	96.9	97.5	97.7	98.1	98.5	99.2	100.0
IV 0	79.6	85.9	88.1	89.1	92.0	92.5	94.0	95.4	96.1	96.9	97.5	97.7	98.1	98.6	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

7193

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835

K I SAWYER AFB MI

09-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0	
NO CEILING	62.4	64.6	65.9	66.6	67.4	67.6	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.4	68.4	68.6
≥ 20000	66.0	68.4	69.6	70.5	71.3	71.5	71.9	72.1	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.4
IV 18000	66.1	68.6	69.9	70.8	71.6	71.8	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.6	72.6	72.8
IV 16000	66.1	68.6	69.9	70.8	71.6	71.8	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.6	72.6	72.8
IV 14000	66.4	68.9	70.3	71.3	72.0	72.2	72.7	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.2
IV 12000	68.1	70.6	72.2	73.2	74.0	74.2	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9	75.1
IV 10000	70.4	73.0	74.8	75.8	76.5	76.7	77.3	77.5	77.5	77.5	77.5	77.6	77.6	77.7	77.7	77.9
IV 9000	71.3	73.8	75.7	76.6	77.4	77.6	78.1	78.4	78.4	78.4	78.4	78.5	78.5	78.6	78.6	78.8
IV 8000	72.3	75.0	76.9	77.9	78.7	78.9	79.4	79.7	79.7	79.7	79.7	79.8	79.8	79.9	79.9	80.1
IV 7000	73.7	76.4	78.3	79.3	80.1	80.3	80.8	81.1	81.1	81.1	81.1	81.2	81.2	81.3	81.3	81.5
IV 6000	74.7	77.6	79.5	80.6	81.4	81.6	82.1	82.3	82.3	82.3	82.3	82.5	82.5	82.6	82.6	82.8
IV 5000	75.6	78.7	80.7	81.9	82.7	82.9	83.4	83.6	83.6	83.6	83.6	83.7	83.7	83.9	83.9	84.1
IV 4500	76.2	79.4	81.5	83.0	83.7	84.0	84.5	84.7	84.8	84.8	84.8	84.9	84.9	85.0	85.0	85.3
IV 4000	77.3	80.9	83.2	84.8	86.1	86.3	87.0	87.2	87.3	87.3	87.3	87.4	87.4	87.5	87.5	87.7
IV 3500	77.6	81.3	83.5	85.1	86.4	86.7	87.3	87.5	87.6	87.6	87.6	87.7	87.7	87.8	87.8	88.1
IV 3000	77.9	81.6	84.5	86.1	87.4	87.7	88.4	88.6	88.7	88.7	88.7	88.8	88.8	88.9	88.9	89.1
IV 2500	78.5	82.3	85.4	87.0	88.3	88.6	89.2	89.5	89.6	89.6	89.6	89.7	89.7	89.8	89.8	90.0
IV 2000	78.7	82.6	85.6	87.2	88.5	88.8	89.5	89.7	89.8	89.8	89.8	89.9	89.9	90.0	90.0	90.2
IV 1800	78.9	82.9	85.9	87.5	88.8	89.1	89.8	90.0	90.1	90.1	90.1	90.2	90.2	90.3	90.3	90.5
IV 1500	79.0	83.1	86.1	87.8	89.1	89.5	90.1	90.3	90.4	90.4	90.4	90.5	90.5	90.6	90.6	90.9
IV 1200	79.4	83.5	86.7	88.4	89.9	90.3	91.0	91.2	91.3	91.3	91.3	91.4	91.4	91.5	91.5	91.7
IV 1000	79.5	83.6	86.8	88.5	90.0	90.5	91.2	91.5	91.6	91.6	91.6	91.7	91.7	91.8	91.8	92.0
IV 900	79.5	83.7	86.9	88.6	90.1	90.6	91.3	91.6	91.7	91.7	91.7	91.8	91.8	91.9	91.9	92.1
IV 800	79.5	83.7	86.9	88.6	90.2	90.7	91.4	91.7	91.8	91.8	91.8	92.0	92.0	92.1	92.1	92.4
IV 700	79.5	84.0	87.3	89.3	91.2	91.7	92.4	92.7	92.8	92.8	92.8	93.0	93.0	93.1	93.1	93.3
IV 600	79.5	84.1	87.4	89.5	91.6	92.1	92.8	93.1	93.2	93.2	93.2	93.4	93.4	93.5	93.5	93.8
IV 500	79.7	84.3	87.6	89.8	92.5	93.1	94.4	94.7	94.9	94.9	94.9	95.2	95.2	95.3	95.3	95.5
IV 400	79.7	84.3	87.6	89.8	92.9	93.6	95.2	95.7	96.0	96.0	96.0	96.2	96.2	96.3	96.3	96.6
IV 300	79.7	84.3	87.8	90.0	93.1	93.9	95.5	96.1	96.7	96.9	97.2	97.2	97.2	97.3	97.3	97.7
IV 200	79.7	84.3	87.8	90.0	93.1	93.9	95.5	96.2	97.1	97.3	97.7	97.7	97.7	98.0	98.0	99.0
IV 100	79.7	84.3	87.8	90.0	93.1	93.9	95.5	96.2	97.1	97.4	97.8	97.8	97.8	98.1	98.1	100.0
IV 0	79.7	84.3	87.8	90.0	93.1	93.9	95.5	96.2	97.1	97.4	97.8	97.8	97.8	98.1	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ 0	
NO CEILING	55.3	58.0	58.6	59.4	61.3	61.3	61.8	62.1	62.7	63.1	63.6	63.6	63.9	63.9	64.1	64.7
≥ 20000	59.1	62.0	62.7	63.6	65.6	65.6	66.0	66.3	67.0	67.3	67.8	67.8	68.1	68.1	68.4	68.9
IV 18000	59.2	62.1	62.9	63.7	65.7	65.7	66.1	66.4	67.1	67.4	67.9	67.9	68.3	68.3	68.5	69.0
IV 16000	59.3	62.2	63.0	63.8	65.8	65.8	66.2	66.5	67.2	67.5	68.0	68.0	68.4	68.4	68.6	69.1
IV 14000	59.8	62.7	63.5	64.4	66.3	66.3	66.7	67.2	67.8	68.1	68.7	68.7	69.0	69.0	69.2	69.8
IV 12000	60.8	63.7	64.5	65.3	67.3	67.3	67.7	68.1	68.8	69.1	69.7	69.7	70.0	70.0	70.2	70.7
IV 10000	63.7	66.8	67.5	68.5	70.6	70.6	71.2	71.7	72.4	72.7	73.2	73.2	73.5	73.5	74.1	74.6
IV 9000	64.6	67.8	68.6	69.4	71.7	71.7	72.2	72.8	73.4	73.8	74.3	74.3	74.6	74.6	75.2	75.7
IV 8000	65.9	69.2	70.0	70.8	73.2	73.2	73.8	74.3	74.9	75.3	75.8	75.8	76.1	76.1	76.7	77.2
IV 7000	67.2	70.5	71.4	72.2	74.6	74.6	75.2	75.7	76.3	76.7	77.2	77.2	77.5	77.5	78.1	78.6
IV 6000	68.8	72.5	73.5	74.5	77.1	77.1	77.6	78.2	78.8	79.2	79.7	79.7	80.0	80.0	80.6	81.1
IV 5000	70.3	74.1	75.2	76.1	78.8	78.8	79.5	80.0	80.7	81.0	81.6	81.6	82.0	82.0	82.5	83.0
IV 4500	70.7	74.5	75.7	76.7	79.4	79.5	80.0	80.6	81.2	81.5	82.2	82.2	82.5	82.5	83.0	83.6
IV 4000	72.2	76.3	77.8	78.8	82.1	82.2	82.7	83.3	83.9	84.2	84.9	84.9	85.2	85.2	85.7	86.3
IV 3500	72.8	77.0	78.4	79.5	82.8	82.9	83.5	84.0	84.7	85.0	85.6	85.6	86.0	86.0	86.5	87.0
IV 3000	73.2	77.4	79.0	80.1	83.5	83.6	84.1	84.7	85.3	85.6	86.3	86.3	86.6	86.6	87.1	87.7
IV 2500	73.4	77.6	79.3	80.3	83.7	83.8	84.3	84.9	85.5	85.9	86.5	86.5	86.8	86.8	87.4	87.9
IV 2000	74.0	78.2	79.8	80.9	84.2	84.3	84.9	85.4	86.1	86.4	87.0	87.0	87.4	87.4	87.9	88.4
IV 1800	74.3	78.5	80.1	81.2	84.6	84.7	85.2	85.7	86.4	86.7	87.4	87.4	87.7	87.7	88.2	88.8
IV 1500	74.7	78.9	80.6	81.6	85.1	85.2	85.7	86.3	86.9	87.3	87.9	87.9	88.2	88.3	88.9	89.4
IV 1200	75.3	79.5	81.2	82.3	85.9	86.0	86.5	87.0	87.7	88.0	88.7	88.7	89.0	89.1	89.6	90.2
IV 1000	75.6	79.8	81.5	82.8	86.4	86.5	87.3	87.8	88.6	88.9	89.5	89.5	89.8	90.0	90.5	91.0
IV 900	75.7	79.9	81.7	83.0	86.6	86.7	87.5	88.0	88.8	89.1	89.7	89.7	90.1	90.2	90.7	91.3
IV 800	75.7	79.9	81.7	83.2	86.7	86.9	87.7	88.2	89.0	89.3	90.0	90.0	90.3	90.4	90.9	91.5
IV 700	75.7	80.1	82.3	83.7	87.6	87.8	88.6	89.1	89.8	90.2	90.8	90.8	91.1	91.3	91.8	92.3
IV 600	75.8	80.2	82.5	84.0	88.0	88.2	89.2	89.7	90.5	90.8	91.5	91.5	91.8	91.9	92.4	93.0
IV 500	75.8	80.2	82.7	84.2	88.8	89.1	90.3	91.1	91.9	92.3	93.0	93.0	93.3	93.4	94.0	94.5
IV 400	75.8	80.3	82.7	84.2	88.8	89.3	90.9	91.9	93.0	93.4	94.1	94.1	94.4	94.5	95.0	95.6
IV 300	75.8	80.3	82.8	84.3	88.9	89.4	91.3	92.2	93.5	94.2	94.9	94.9	95.2	95.5	96.1	96.8
IV 200	75.8	80.2	82.8	84.3	89.0	89.5	91.5	92.4	94.3	94.9	95.9	95.9	96.8	97.0	97.8	99.2
IV 100	75.8	80.2	82.8	84.3	89.0	89.5	91.5	92.4	94.4	95.1	96.2	96.2	97.1	97.3	98.3	100.0
IV 0	75.8	80.2	82.8	84.3	89.0	89.5	91.5	92.4	94.4	95.1	96.2	96.2	97.1	97.3	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

94835
STATION

K I SAWYER AFB MI
STATION NAME

69-72
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	
NO CEILING	48.6	51.0	51.8	53.1	53.9	54.1	54.8	55.1	55.6	55.7	55.8	55.9	56.5	56.6	56.7	56.8
IV 20000	53.1	56.2	57.1	58.6	59.7	59.9	60.6	60.9	61.5	61.6	61.7	61.9	62.5	62.6	62.7	63.0
IV 8000	53.2	56.3	57.2	58.7	59.8	60.0	60.8	61.0	61.6	61.7	61.8	62.0	62.6	62.7	62.8	63.1
IV 7000	53.2	56.3	57.2	58.7	59.8	60.0	60.8	61.0	61.6	61.7	61.8	62.0	62.6	62.7	62.8	63.1
IV 14000	53.8	57.0	58.0	59.5	60.8	61.0	61.7	62.0	62.7	62.8	62.9	63.1	63.7	63.8	63.9	64.2
IV 2000	55.9	59.1	60.1	61.6	62.9	63.1	63.9	64.2	64.8	64.9	65.1	65.3	65.8	65.9	66.0	66.3
IV 10000	58.3	62.0	63.2	65.3	66.8	67.0	67.7	68.2	68.8	69.0	69.1	69.4	69.9	70.0	70.3	70.6
IV 9000	58.4	62.3	63.4	65.5	67.0	67.3	68.1	68.5	69.1	69.4	69.5	69.7	70.2	70.3	70.6	71.0
IV 8000	61.9	66.3	67.5	69.7	71.5	71.8	72.7	73.1	73.8	74.0	74.1	74.3	74.8	74.9	75.4	75.8
IV 7000	63.0	67.4	68.7	70.9	72.7	73.0	73.9	74.3	75.1	75.3	75.4	75.6	76.1	76.2	76.7	77.1
IV 6000	64.0	68.5	69.9	72.2	74.0	74.3	75.2	75.6	76.3	76.6	76.7	76.9	77.4	77.5	78.0	78.4
IV 5000	66.5	71.4	72.9	75.3	77.2	77.5	78.5	78.9	79.7	79.9	80.1	80.3	80.9	81.0	81.4	81.8
IV 4500	67.1	72.0	73.5	76.0	78.0	78.3	79.2	79.7	80.4	80.6	80.9	81.1	81.6	81.7	82.2	82.6
IV 4000	68.6	73.8	75.3	78.0	80.0	80.3	81.4	81.9	82.7	82.9	83.1	83.3	83.9	84.0	84.4	84.8
IV 3500	69.0	74.3	75.9	78.6	80.6	81.0	82.0	82.6	83.3	83.5	83.8	84.0	84.5	84.6	85.1	85.5
IV 3000	69.8	75.2	76.8	79.6	81.7	82.0	83.1	83.8	84.5	84.8	85.1	85.3	85.9	86.0	86.5	86.9
IV 2500	70.1	75.8	77.4	80.2	82.5	82.9	84.1	84.7	85.5	85.8	86.0	86.2	86.9	87.0	87.4	87.8
IV 2000	70.6	76.5	78.1	81.0	83.2	83.7	84.8	85.5	86.3	86.7	86.9	87.1	87.7	87.8	88.3	88.7
IV 1800	70.9	76.7	78.3	81.2	83.4	83.9	85.1	85.7	86.6	86.9	87.1	87.3	88.0	88.1	88.5	88.9
IV 1500	72.3	78.1	79.8	82.8	85.2	85.6	86.8	87.4	88.3	88.6	88.8	89.0	89.7	89.8	90.3	90.9
IV 1200	72.9	78.7	80.4	83.4	85.9	86.5	87.5	88.2	89.0	89.4	89.5	89.9	90.5	90.6	91.2	91.7
IV 1000	73.3	79.4	81.1	84.1	86.6	87.0	88.4	89.0	89.9	90.2	90.4	90.8	91.4	91.5	92.0	92.6
IV 900	73.3	79.4	81.1	84.1	86.6	87.0	88.4	89.0	89.9	90.2	90.4	90.8	91.4	91.5	92.0	92.6
IV 800	73.4	79.5	81.2	84.3	86.8	87.2	88.6	89.2	90.1	90.4	90.6	91.0	91.6	91.7	92.3	92.8
IV 700	73.4	79.6	81.3	84.4	86.9	87.3	88.7	89.4	90.2	90.5	90.8	91.1	91.7	91.8	92.4	92.9
IV 600	73.4	79.7	81.4	84.6	87.2	87.7	89.1	90.0	90.9	91.2	91.4	91.7	92.4	92.5	93.0	93.5
IV 500	74.2	80.0	82.4	85.7	88.3	88.8	90.2	91.1	92.0	92.4	92.6	92.9	93.5	93.7	94.2	94.7
IV 400	74.2	80.0	82.5	85.9	88.5	89.4	90.8	91.7	92.8	93.1	93.7	94.0	94.8	94.9	95.5	96.0
IV 300	74.3	80.8	82.9	86.3	88.9	89.8	91.3	92.4	93.7	94.3	94.9	95.3	96.1	96.2	96.8	97.3
IV 200	74.3	80.8	82.9	86.3	88.9	89.8	91.4	92.6	93.9	94.5	95.3	95.6	97.2	97.5	98.4	99.2
IV 100	74.3	80.8	82.9	86.3	88.9	89.8	91.4	92.6	93.9	94.5	95.3	95.6	97.2	97.7	98.5	100.0
IV 0	74.3	80.8	82.9	86.3	88.9	89.8	91.4	92.6	93.9	94.5	95.3	95.6	97.2	97.7	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

59-76

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0200-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 5	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512	≥ 1/1024	≥ 0
NO CEILING	53.3	56.6	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 20000	58.1	61.6	62.0	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
≥ 18000	58.5	62.0	62.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 16000	58.6	62.2	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
IV 14000	59.2	62.9	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
IV 12000	61.3	65.1	65.5	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 10000	66.2	70.5	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
IV 9000	66.3	70.8	71.3	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
IV 8000	68.5	73.0	73.5	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
IV 7000	69.6	74.2	74.7	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 6000	70.4	75.1	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 5000	72.0	76.9	77.6	77.7	78.0	78.0	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 4500	72.2	77.0	77.7	77.8	78.1	78.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 4000	73.3	78.8	79.8	80.0	80.2	80.2	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 3500	74.3	79.8	80.8	81.0	81.2	81.2	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 3000	76.2	82.0	83.0	83.2	83.4	83.4	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2500	78.0	83.5	84.5	84.7	84.9	84.9	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 2000	79.2	85.4	86.6	86.9	87.2	87.2	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 1800	80.2	86.2	87.4	87.7	88.1	83.1	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 1500	82.0	88.3	89.6	89.9	90.3	90.3	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1200	82.6	88.9	90.2	90.5	91.0	91.1	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 1000	83.3	89.8	91.2	91.8	92.3	92.4	93.2	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 900	84.1	90.6	92.0	92.8	93.4	93.5	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 800	84.7	91.5	92.9	93.7	94.5	94.6	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
IV 700	84.8	91.6	93.1	94.0	94.9	95.2	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 600	85.1	91.8	93.4	94.3	95.3	95.5	96.6	97.0	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2
IV 500	85.7	92.5	94.2	95.1	96.0	96.3	97.4	98.0	98.2	98.2	98.2	98.2	98.2	98.3	98.3	98.3
IV 400	85.7	92.5	94.3	95.2	96.1	96.6	97.7	98.3	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6
IV 300	85.7	92.6	94.5	95.4	96.5	96.9	98.2	98.7	98.9	99.2	99.2	99.2	99.4	99.4	99.4	99.4
IV 200	85.7	92.6	94.5	95.4	96.5	96.9	98.2	98.7	99.0	99.5	99.5	99.5	99.7	99.7	99.9	99.9
IV 100	85.7	92.6	94.5	95.4	96.5	96.9	98.2	98.7	99.0	99.5	99.5	99.5	99.7	99.7	99.9	100.0
IV 0	85.7	92.6	94.5	95.4	96.5	96.9	98.2	98.7	99.0	99.5	99.5	99.5	99.7	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

69-78

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS.)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.10	≥.05	≥.01	≥0
NO CEILING	48.8	50.1	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
IV 20000	55.0	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	57.2	57.2
IV 18000	55.8	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV 16000	55.9	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
IV 14000	57.0	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IV 12000	58.9	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 10000	62.7	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
IV 9000	63.1	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 8000	65.8	67.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
IV 7000	66.9	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	69.4	69.4
IV 6000	67.7	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 5000	68.9	71.7	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 4500	69.9	72.9	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 4000	73.6	76.8	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
IV 3500	75.2	78.6	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 3000	79.0	82.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 2500	81.2	85.5	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
IV 2000	83.6	87.9	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
IV 1800	84.4	88.9	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
IV 1500	85.8	91.2	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
IV 1200	86.3	91.9	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 1000	86.9	93.0	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
IV 900	87.3	93.9	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
IV 800	87.5	94.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 700	87.5	94.1	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 600	87.6	94.2	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 500	87.8	94.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 400	87.8	94.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 300	87.8	94.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 200	87.8	94.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 100	87.8	94.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 0	87.8	94.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836
STATION

K I SAWYER AFB MI
STATION NAME

69-78
YEAR

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.3	≥0.2	≥0.15	≥0.1	≥0.05	≥0
NO CEILING ≥ 20000	46.5	47.6	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	48.5
≥ 18000 IV 6000	55.8	57.2	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
IV 14000 12000	56.2	57.6	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
IV 10000 9000	56.4	57.8	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
IV 8000 7000	57.8	59.3	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 6000 5000	59.1	60.6	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 4500 4000	62.4	64.3	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
IV 3500 3000	62.9	64.7	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 2500 2000	64.7	66.8	67.7	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 1800 1500	66.2	68.5	69.3	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
IV 1200 1000	68.2	70.5	71.4	71.5	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
IV 900 800	71.0	73.6	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 700 600	72.6	75.1	76.1	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 500 400	79.2	82.7	83.9	84.0	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 300 200	81.3	85.0	86.3	86.4	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 100 0	84.2	88.4	89.8	89.9	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 0	85.8	90.0	91.4	91.5	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
	87.3	91.6	93.0	93.2	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
	87.4	91.7	93.1	93.3	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
	88.1	92.9	94.5	94.7	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
	88.1	93.2	94.9	95.5	96.1	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
	88.3	93.4	95.2	95.7	96.3	96.3	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
	88.4	93.5	95.3	95.8	96.4	96.4	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
	88.5	93.6	95.4	96.0	96.8	96.8	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
	88.5	93.6	95.4	96.0	96.9	96.9	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
	88.6	93.9	95.6	96.2	97.5	97.6	97.8	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2
	88.7	94.1	95.8	96.4	97.7	97.8	98.4	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9
	88.9	94.4	96.1	96.8	98.2	98.4	98.9	99.2	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
	88.9	94.4	96.1	96.8	98.2	98.5	99.0	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
	88.9	94.4	96.1	96.8	98.2	98.5	99.0	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8
	88.9	94.4	96.1	96.8	98.2	98.5	99.0	99.4	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

69-76

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS:

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	57.3	58.6	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5
≥ 20000	63.0	64.7	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 18000	63.7	65.4	66.2	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
≥ 15000	64.3	66.1	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000	65.6	67.4	68.1	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 12000	68.2	70.2	70.9	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3
IV 10000	70.3	73.4	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5	74.5	74.5	74.5
IV 9000	71.5	74.1	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1
IV 8000	72.7	75.2	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3
IV 7000	74.3	77.3	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5
IV 6000	76.1	79.1	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3
IV 5000	78.3	81.4	82.3	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8
IV 4500	79.4	82.7	83.6	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1
IV 4000	83.2	86.7	87.6	87.8	87.9	87.9	88.1	88.1	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3
IV 3500	83.9	87.4	88.5	88.7	88.8	88.8	88.9	88.9	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
IV 3000	85.0	89.3	90.5	90.9	91.2	91.2	91.2	91.2	91.5	91.6	91.7	91.7	91.7	91.7	91.7	91.7
IV 2500	85.9	90.4	91.6	91.9	92.2	92.2	92.4	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 2000	86.8	91.7	93.0	93.5	93.9	93.9	94.0	94.2	94.3	94.4	94.4	94.4	94.5	94.5	94.5	94.5
IV 1800	86.9	91.8	93.1	93.6	94.0	94.0	94.1	94.3	94.4	94.5	94.5	94.5	94.6	94.6	94.6	94.6
IV 1500	87.6	92.6	94.0	94.5	94.8	94.8	94.9	95.2	95.3	95.4	95.4	95.4	95.5	95.5	95.5	95.5
IV 1200	87.9	93.0	94.4	94.9	95.4	95.4	95.5	95.7	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0
IV 1000	88.1	93.3	94.8	95.4	95.8	95.8	95.9	96.1	96.2	96.3	96.3	96.3	96.4	96.4	96.4	96.4
IV 900	88.3	93.6	95.2	95.7	96.1	96.1	96.2	96.4	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8
IV 800	88.5	93.9	95.4	95.9	96.6	96.6	96.7	96.9	97.0	97.2	97.2	97.2	97.3	97.3	97.3	97.3
IV 700	88.5	93.9	95.4	95.9	96.6	96.6	96.7	96.9	97.0	97.2	97.2	97.2	97.3	97.3	97.3	97.3
IV 600	88.7	94.2	95.7	96.2	96.9	96.9	97.1	97.3	97.4	97.6	97.6	97.6	97.7	97.7	97.7	97.7
IV 500	88.8	94.3	95.8	96.6	97.3	97.3	97.6	97.8	98.0	98.2	98.2	98.2	98.3	98.3	98.3	98.3
IV 400	88.8	94.4	95.9	96.8	97.5	97.5	98.0	98.2	98.5	98.7	98.8	98.8	98.9	98.9	98.9	98.9
IV 300	88.8	94.4	95.9	96.8	97.6	97.6	98.3	98.5	98.8	99.0	99.1	99.1	99.2	99.2	99.2	99.2
IV 200	88.8	94.4	95.9	96.8	97.6	97.6	98.4	98.6	99.0	99.2	99.5	99.5	99.7	99.7	99.8	99.8
IV 100	88.8	94.4	95.9	96.8	97.6	97.7	98.4	98.6	99.0	99.2	99.5	99.5	99.8	99.8	99.9	100.0
IV 0	88.8	94.4	95.9	96.8	97.6	97.7	98.6	98.6	99.0	99.2	99.5	99.5	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-72

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS.

2100-2300

CEILING FEET	VISIBILITY STATISTICS														
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥0
NO CEILING ≥ 20000	61.5	63.4	64.1	65.0	65.7	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2
≥ 18000	65.8	68.1	69.0	70.1	70.8	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3
≥ 16000	66.5	68.7	69.7	70.8	71.4	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	72.0
≥ 14000	66.8	69.0	70.0	71.1	71.7	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.3
≥ 12000	67.3	69.6	70.6	71.7	72.4	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	73.0
≥ 10000	68.5	70.8	71.7	73.0	73.7	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4
≥ 9000	72.7	75.8	76.9	78.3	79.0	79.2	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7
≥ 8000	73.4	76.5	77.6	79.0	79.6	79.8	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4
≥ 7000	73.9	77.0	78.1	79.5	80.2	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9
≥ 6000	75.4	78.6	80.0	81.4	82.1	82.3	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	83.0
≥ 5000	76.8	80.0	81.4	83.0	83.6	83.8	84.4	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.7
≥ 4500	78.0	81.4	83.0	84.6	85.4	85.7	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.5
≥ 4000	78.1	81.6	83.1	84.7	85.5	85.8	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.6
≥ 3500	80.2	84.0	85.8	87.5	88.5	88.8	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.8
≥ 3000	80.2	84.4	86.1	87.8	88.8	89.1	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.1
≥ 2500	80.8	85.1	87.2	89.0	90.3	90.8	91.5	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.8
≥ 2000	81.4	85.8	87.8	89.6	90.9	91.5	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.4
≥ 1800	82.0	86.4	88.5	90.3	91.6	92.1	92.8	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.1
≥ 1500	82.3	86.7	88.8	90.6	91.9	92.4	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.5
≥ 1200	82.4	86.9	89.0	90.9	92.2	92.8	93.5	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.9
≥ 1000	82.5	87.2	89.3	91.4	92.7	93.2	94.0	94.1	94.2	94.5	94.5	94.5	94.5	94.5	94.6
≥ 900	82.7	87.4	89.5	91.6	92.9	93.4	94.2	94.3	94.4	94.7	94.7	94.7	94.7	94.7	94.8
≥ 800	82.8	87.6	89.8	91.8	93.1	93.6	94.4	94.6	94.7	95.0	95.1	95.1	95.1	95.1	95.3
≥ 700	83.2	87.9	90.1	92.3	93.7	94.3	95.0	95.3	95.4	95.7	95.8	95.8	95.8	95.8	95.9
≥ 600	83.2	87.9	90.2	92.4	94.3	94.8	95.7	95.9	96.0	96.3	96.4	96.4	96.4	96.4	96.5
≥ 500	83.2	88.0	90.4	92.8	94.9	95.5	96.4	96.7	96.9	97.2	97.3	97.3	97.4	97.4	97.5
≥ 400	83.2	88.0	90.4	92.9	95.4	95.9	97.0	97.2	97.4	97.7	97.8	97.8	98.0	98.0	98.1
≥ 300	83.2	88.0	90.4	92.9	95.4	95.9	97.0	97.2	97.5	98.1	98.5	98.5	98.6	98.6	98.8
≥ 200	83.2	88.0	90.4	92.9	95.4	95.9	97.0	97.2	97.6	98.2	98.7	98.7	98.8	98.9	99.4
≥ 100	83.2	88.0	90.4	92.9	95.4	95.9	97.0	97.3	97.7	98.3	98.8	98.8	98.9	99.0	99.2
≥ 0	83.2	88.0	90.4	92.9	95.4	95.9	97.0	97.3	97.7	98.3	98.8	98.8	98.9	99.0	99.2

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835

K I SAWYER AFB HI

9-70

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	54.2	56.2	56.9	57.5	58.0	58.1	58.3	58.4	58.5	58.6	58.7	58.7	58.8	58.8	58.9	59.0
≥ 20000	59.5	61.9	62.6	63.2	63.8	63.9	64.1	64.2	64.4	64.4	64.5	64.5	64.7	64.7	64.7	64.9
IV 18000	59.9	62.3	63.1	63.7	64.3	64.3	64.6	64.7	64.8	64.9	65.0	65.0	65.1	65.1	65.2	65.3
IV 16000	60.1	62.5	63.3	63.9	64.4	64.5	64.8	64.8	65.0	65.1	65.1	65.2	65.3	65.3	65.3	65.5
IV 14000	60.7	63.3	64.1	64.8	65.4	65.4	65.7	65.8	66.0	66.0	66.1	66.1	66.2	66.3	66.3	66.4
IV 12000	62.6	65.1	65.9	66.6	67.2	67.3	67.5	67.6	67.8	67.9	67.9	68.0	68.1	68.1	68.1	68.3
IV 10000	65.9	68.8	69.7	70.4	71.1	71.2	71.5	71.6	71.8	71.8	71.9	72.0	72.1	72.1	72.2	72.4
IV 9000	66.4	69.4	70.3	71.0	71.7	71.8	72.0	72.2	72.3	72.4	72.5	72.5	72.7	72.7	72.8	72.9
IV 8000	68.2	71.3	72.2	73.0	73.7	73.8	74.1	74.3	74.4	74.5	74.6	74.6	74.7	74.8	74.9	75.0
IV 7000	69.5	72.7	73.7	74.5	75.2	75.3	75.6	75.8	75.9	76.0	76.1	76.1	76.2	76.3	76.4	76.6
IV 6000	70.8	74.1	75.2	76.0	76.7	76.8	77.1	77.3	77.5	77.6	77.7	77.7	77.8	77.8	77.9	78.1
IV 5000	72.6	76.2	77.3	78.1	79.0	79.1	79.5	79.6	79.8	79.9	80.0	80.1	80.2	80.2	80.3	80.5
IV 4500	73.3	76.9	78.1	79.0	79.8	79.9	80.3	80.5	80.7	80.8	80.9	81.0	81.0	81.1	81.2	81.3
IV 4000	76.0	80.0	81.3	82.3	83.3	83.5	83.9	84.1	84.3	84.4	84.5	84.5	84.7	84.7	84.8	85.0
IV 3500	76.8	81.0	82.4	83.3	84.4	84.5	85.0	85.1	85.4	85.4	85.6	85.6	85.7	85.7	85.8	86.0
IV 3000	78.3	82.7	84.3	85.3	86.5	86.7	87.2	87.4	87.6	87.7	87.8	87.8	88.0	88.0	88.1	88.3
IV 2500	79.3	83.9	85.5	86.5	87.7	87.9	88.4	88.6	88.8	88.9	89.1	89.1	89.2	89.2	89.4	89.5
IV 2000	80.3	85.0	86.7	87.8	89.1	89.3	89.8	90.0	90.2	90.3	90.4	90.5	90.6	90.6	90.7	90.9
IV 1800	80.6	85.4	87.1	88.2	89.4	89.6	90.1	90.4	90.6	90.7	90.8	90.8	91.0	91.0	91.1	91.3
IV 1500	81.5	86.5	88.2	89.4	90.7	90.9	91.4	91.7	91.9	92.0	92.1	92.1	92.3	92.3	92.4	92.6
IV 1200	81.9	87.0	88.8	90.0	91.3	91.6	92.1	92.4	92.6	92.7	92.8	92.9	93.0	93.1	93.2	93.4
IV 1000	82.2	87.4	89.3	90.6	91.9	92.2	92.8	93.1	93.4	93.5	93.6	93.7	93.8	93.8	94.0	94.1
IV 900	82.4	87.8	89.6	90.9	92.3	92.6	93.2	93.5	93.8	93.9	94.0	94.1	94.2	94.2	94.4	94.5
IV 800	82.6	88.0	89.9	91.2	92.7	92.9	93.6	93.9	94.2	94.3	94.5	94.5	94.7	94.7	94.8	95.0
IV 700	82.6	88.1	90.1	91.5	93.1	93.3	94.0	94.3	94.6	94.7	94.9	94.9	95.1	95.1	95.2	95.4
IV 600	82.7	88.2	90.2	91.7	93.4	93.7	94.4	94.7	95.0	95.2	95.3	95.4	95.5	95.6	95.7	95.9
IV 500	83.0	88.5	90.6	92.1	94.1	94.5	95.3	95.7	96.0	96.2	96.4	96.4	96.6	96.6	96.8	96.9
IV 400	83.0	88.6	90.7	92.3	94.3	94.8	95.8	96.3	96.7	96.9	97.1	97.2	97.4	97.4	97.5	97.7
IV 300	83.0	88.6	90.9	92.4	94.6	95.0	96.1	96.7	97.2	97.5	97.9	97.9	98.1	98.2	98.4	98.5
IV 200	83.0	88.6	90.9	92.4	94.6	95.1	96.2	96.8	97.5	97.8	98.3	98.3	98.7	98.8	99.1	99.5
IV 100	83.0	88.6	90.9	92.4	94.6	95.1	96.2	96.8	97.5	97.9	98.3	98.4	98.8	98.9	99.3	100.0
IV 0	83.0	88.6	90.9	92.4	94.6	95.1	96.2	96.8	97.5	97.9	98.3	98.4	98.8	98.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7427

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835

K I SAWYER AFB MI

9-76

Avi

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	
NO CEILING	58.2	61.0	65.4	64.0	65.5	66.4	66.6	67.0	67.0	67.1	67.1	67.2	67.5	67.8	67.9	68.3
≥ 20000	59.9	63.0	65.6	66.3	67.8	68.6	69.2	69.6	69.6	69.7	69.7	69.8	69.8	69.9	70.2	70.9
≥ 18000	60.0	63.1	65.7	66.4	67.9	68.8	69.3	69.7	69.7	69.8	69.8	69.9	70.2	70.5	70.6	71.0
≥ 15000	60.0	63.1	65.7	66.4	67.9	68.8	69.3	69.7	69.7	69.8	69.8	69.9	70.2	70.5	70.6	71.0
≥ 14000	60.3	63.5	66.3	67.0	68.5	69.4	69.9	70.4	70.4	70.5	70.5	70.6	70.8	71.1	71.2	71.7
≥ 12000	61.6	64.9	67.7	68.4	69.9	70.8	71.3	71.8	71.8	71.9	71.9	72.0	72.2	72.5	72.6	73.1
≥ 10000	63.4	66.7	69.5	70.3	71.8	72.7	73.3	73.7	73.7	73.8	73.8	73.9	74.1	74.5	74.6	75.0
≥ 9000	63.7	67.0	69.8	70.6	72.1	73.1	73.6	74.0	74.0	74.1	74.1	74.2	74.5	74.8	74.9	75.3
≥ 8000	64.5	68.0	70.9	71.7	73.2	74.1	74.7	75.1	75.1	75.2	75.2	75.3	75.5	75.9	76.0	76.4
≥ 7000	65.5	69.2	72.1	73.2	74.7	75.6	76.2	76.6	76.6	76.7	76.7	76.8	77.0	77.4	77.5	77.9
≥ 6000	66.9	70.6	73.5	74.6	76.1	77.0	77.6	78.0	78.0	78.1	78.1	78.2	78.4	78.8	78.9	79.3
≥ 5000	68.6	72.6	75.6	76.7	78.2	79.3	79.8	80.3	80.3	80.4	80.4	80.5	80.7	81.0	81.1	81.6
≥ 4500	69.0	73.0	76.0	77.0	78.6	79.6	80.2	80.6	80.6	80.7	80.7	80.8	81.0	81.4	81.5	81.9
≥ 4000	69.8	73.9	77.0	78.4	80.0	81.0	81.7	82.1	82.1	82.2	82.2	82.3	82.5	82.9	83.0	83.4
≥ 3500	70.5	74.6	77.8	79.3	80.8	81.9	82.5	83.0	83.0	83.1	83.1	83.2	83.4	83.7	83.8	84.3
≥ 3000	71.6	76.1	79.4	81.0	82.5	83.9	84.6	85.0	85.0	85.1	85.1	85.2	85.5	85.8	85.9	86.3
≥ 2500	72.0	76.5	79.8	81.6	83.1	84.5	85.1	85.6	85.6	85.7	85.7	85.8	86.0	86.3	86.4	86.9
≥ 2000	72.5	77.0	80.5	82.3	83.8	85.2	85.9	86.3	86.3	86.4	86.4	86.5	86.7	87.1	87.2	87.6
≥ 1800	72.6	77.3	80.7	82.5	84.1	85.5	86.1	86.5	86.5	86.6	86.6	86.7	87.0	87.3	87.4	87.8
≥ 1500	73.2	77.9	81.4	83.3	84.8	86.2	86.9	87.3	87.3	87.4	87.4	87.5	87.7	88.0	88.1	88.6
≥ 1200	73.9	78.8	82.2	84.2	85.7	87.2	87.8	88.3	88.3	88.4	88.4	88.5	88.7	89.0	89.1	89.5
≥ 1000	74.1	79.3	82.8	84.7	86.2	87.7	88.6	89.0	89.0	89.1	89.1	89.2	89.4	89.8	89.9	90.3
≥ 900	74.2	79.4	82.9	84.8	86.3	87.8	88.7	89.1	89.1	89.2	89.2	89.3	89.5	89.9	90.0	90.4
≥ 800	74.2	79.4	82.9	84.8	86.3	87.8	88.7	89.1	89.1	89.2	89.2	89.3	89.5	89.9	90.0	90.4
≥ 700	74.6	79.7	83.2	85.1	86.9	88.4	89.2	89.8	89.8	89.9	89.9	90.0	90.2	90.5	90.6	91.1
≥ 600	74.6	80.1	83.6	85.7	87.4	88.9	90.1	90.6	90.6	90.7	90.7	90.8	91.1	91.4	91.5	91.9
≥ 500	74.8	80.3	83.9	86.2	88.5	90.0	91.4	91.9	91.9	92.0	92.0	92.1	92.3	92.7	92.8	93.2
≥ 400	74.8	80.3	83.9	86.2	88.5	90.1	91.6	92.1	92.1	92.2	92.2	92.5	92.6	92.8	93.1	93.8
≥ 300	74.8	80.3	83.9	86.2	88.9	90.8	92.3	93.4	93.6	93.8	94.3	94.4	94.8	95.2	95.3	95.9
≥ 200	74.8	80.3	83.9	86.2	88.9	90.8	92.5	94.0	94.3	94.4	95.0	95.2	95.8	96.2	96.3	97.0
≥ 100	74.8	80.3	83.9	86.2	89.0	91.1	92.7	94.3	94.6	94.7	95.4	95.5	96.3	97.0	97.3	100.0
≥ 0	74.8	80.3	83.9	86.2	89.0	91.1	92.7	94.3	94.6	94.7	95.4	95.5	96.3	97.0	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K. I. SAWYER AFB MI

9-76

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS:

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	55.4	58.9	61.1	62.0	63.8	64.5	64.8	65.2	65.3	65.4	65.4	65.6	66.0	66.0	66.2	66.4
≥ 20000	56.3	60.0	62.4	63.5	65.4	66.1	66.5	67.0	67.1	67.4	67.4	67.5	67.9	67.9	68.1	68.4
≥ 18000	56.3	60.2	62.5	63.6	65.7	66.3	66.7	67.2	67.3	67.6	67.6	67.7	68.1	68.1	68.4	68.6
≥ 16000	56.3	60.2	62.5	63.7	65.8	66.4	66.8	67.3	67.4	67.7	67.7	67.8	68.3	68.3	68.5	68.7
≥ 14000	56.4	60.4	62.9	64.0	66.2	66.8	67.3	67.7	67.8	68.1	68.1	68.3	68.7	68.7	68.9	69.1
≥ 12000	57.0	61.1	63.7	64.9	67.1	67.7	68.3	68.7	68.8	69.1	69.1	69.2	69.7	69.7	69.9	70.1
≥ 10000	58.7	62.9	65.4	66.6	68.8	69.4	70.0	70.4	70.5	70.8	70.8	71.0	71.4	71.4	71.6	71.8
≥ 9000	58.7	62.9	65.4	66.6	68.8	69.4	70.0	70.4	70.5	70.8	70.8	71.0	71.4	71.4	71.6	71.8
≥ 8000	59.2	63.4	66.2	67.4	69.5	70.2	70.7	71.2	71.3	71.7	71.7	71.8	72.2	72.2	72.5	72.7
≥ 7000	60.5	64.9	67.7	68.9	71.1	71.7	72.2	72.7	72.8	73.2	73.2	73.3	73.8	73.8	74.0	74.2
≥ 6000	61.6	66.1	68.9	70.1	72.2	72.9	73.4	73.9	74.0	74.4	74.4	74.5	74.9	74.9	75.2	75.4
≥ 5000	62.7	67.5	70.6	71.8	74.0	74.6	75.2	75.6	75.7	76.1	76.1	76.2	76.7	76.7	76.9	77.1
≥ 4500	63.4	68.1	71.3	72.5	74.6	75.3	75.8	76.2	76.3	76.8	76.8	76.9	77.3	77.3	77.5	77.8
≥ 4000	64.9	70.3	73.7	74.8	77.4	78.1	78.6	79.2	79.3	79.7	79.7	79.8	80.2	80.2	80.5	80.7
≥ 3500	65.2	71.0	74.5	75.7	78.3	79.0	79.7	80.2	80.3	80.8	80.8	80.9	81.3	81.3	81.5	81.7
≥ 3000	65.7	71.6	75.3	76.6	79.3	80.1	80.9	81.4	81.5	82.2	82.2	82.3	82.7	82.7	82.9	83.2
≥ 2500	66.1	72.0	75.7	77.1	79.8	80.7	81.4	82.0	82.1	82.7	82.7	82.8	83.3	83.3	83.5	83.7
≥ 2000	66.3	72.5	76.1	77.6	80.3	81.2	82.0	82.5	82.6	83.3	83.3	83.4	83.8	83.8	84.0	84.2
≥ 1800	66.7	72.9	76.6	78.1	80.8	81.6	82.4	82.9	83.0	83.7	83.7	83.8	84.2	84.2	84.4	84.7
≥ 1500	67.1	73.5	77.3	78.8	81.5	82.4	83.2	83.7	83.8	84.4	84.4	84.6	85.0	85.0	85.2	85.4
≥ 1200	67.6	74.2	78.0	79.5	82.3	83.2	83.9	84.4	84.6	85.2	85.2	85.3	85.7	85.7	86.0	86.2
≥ 1000	68.0	74.9	79.0	80.6	83.7	84.7	85.5	86.1	86.2	86.8	86.8	86.9	87.4	87.4	87.6	87.8
≥ 900	68.1	75.1	79.3	80.8	83.9	84.9	85.9	86.4	86.5	87.1	87.1	87.3	87.7	87.7	87.9	88.1
≥ 800	68.1	75.1	79.3	80.8	83.9	84.9	85.9	86.6	86.7	87.4	87.4	87.5	87.9	87.9	88.1	88.3
≥ 700	68.5	75.5	79.7	81.2	84.6	85.5	86.5	87.4	87.5	88.1	88.1	88.2	88.7	88.7	88.9	89.1
≥ 600	68.5	75.7	79.9	81.4	84.9	85.9	86.9	87.8	87.9	88.6	88.6	88.7	89.1	89.1	89.3	89.5
≥ 500	68.6	75.9	80.3	82.1	85.9	86.9	88.1	89.0	89.1	89.8	89.8	90.0	90.4	90.4	90.6	90.8
≥ 400	68.6	76.0	80.5	82.3	86.1	87.3	89.2	90.2	90.3	91.0	91.0	91.1	91.3	91.7	91.9	92.1
≥ 300	68.6	76.0	80.5	82.3	86.4	87.6	89.7	90.7	91.0	91.9	92.3	92.4	93.2	93.2	93.4	94.2
≥ 200	68.6	76.0	80.5	82.5	86.6	87.9	90.4	91.6	92.0	92.9	93.3	93.4	94.7	94.8	95.1	96.2
≥ 100	68.6	76.0	80.5	82.5	86.6	87.9	90.6	91.8	92.2	93.2	93.7	94.0	95.5	95.8	96.3	99.7
0	68.6	76.0	80.5	82.5	86.6	87.9	90.6	91.8	92.2	93.2	93.7	94.0	95.5	95.8	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-76

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS:

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
NO CEILING	48.8	51.9	53.1	54.1	55.3	55.6	56.0	56.7	57.3	57.4	57.9	57.9	58.5	58.5	58.8	59.5
≥ 2000	51.5	54.8	56.0	57.2	58.5	58.8	59.5	60.1	60.8	60.9	61.3	61.3	62.0	62.0	62.3	62.9
IV 1800	51.5	54.8	56.0	57.2	58.6	58.9	59.7	60.3	61.0	61.1	61.5	61.5	62.2	62.2	62.5	63.1
IV 1600	51.9	55.3	56.5	57.7	59.1	59.4	60.1	60.8	61.4	61.5	62.0	62.0	62.7	62.7	63.0	63.7
IV 1400	52.5	56.0	57.2	58.4	59.8	60.1	60.9	61.5	62.2	62.3	62.7	62.7	63.5	63.5	63.8	64.4
IV 1200	53.4	57.2	58.4	59.6	61.1	61.4	62.4	63.0	63.7	63.8	64.3	64.3	65.1	65.1	65.4	66.1
IV 1000	55.8	59.6	60.8	62.1	63.8	64.2	65.2	65.8	66.5	66.6	67.1	67.1	67.9	67.9	68.2	68.7
IV 900	55.9	59.9	61.1	62.4	64.1	64.5	65.5	66.2	66.8	66.9	67.5	67.5	68.2	68.2	68.5	69.2
IV 800	57.3	61.3	62.5	63.8	65.5	65.9	66.9	67.7	68.8	68.9	69.4	69.4	70.2	70.2	70.5	71.1
IV 700	58.3	62.3	63.5	64.9	66.7	67.1	68.1	68.9	69.9	70.0	70.6	70.6	71.3	71.3	71.7	72.3
IV 600	59.4	63.4	64.5	65.9	67.8	68.2	69.2	69.9	71.0	71.1	71.7	71.7	72.4	72.4	72.7	73.4
IV 500	60.7	64.7	65.8	67.2	69.1	69.5	70.7	71.6	72.6	72.7	73.3	73.3	74.0	74.0	74.4	75.0
IV 400	60.9	65.0	66.3	67.7	69.5	69.9	71.1	72.0	73.1	73.3	73.8	73.8	74.7	74.7	75.0	75.6
IV 350	62.3	66.9	68.8	70.5	72.4	72.8	74.1	75.0	76.1	76.4	76.9	76.9	77.8	77.8	78.1	78.8
IV 300	62.8	67.6	69.5	71.2	73.5	73.9	75.2	76.1	77.2	77.5	78.0	78.0	78.9	78.9	79.2	79.8
IV 250	63.3	68.2	70.3	72.2	74.7	75.1	76.4	77.3	78.4	78.8	79.3	79.3	80.2	80.2	80.5	81.1
IV 200	63.7	68.8	70.8	72.7	75.2	75.6	76.9	77.8	79.0	79.3	79.8	79.8	80.7	80.7	81.0	81.7
IV 180	64.4	69.5	71.6	73.5	76.0	76.4	77.7	78.6	79.7	80.1	80.6	80.6	81.5	81.5	81.8	82.4
IV 150	65.0	70.0	72.1	74.1	76.6	77.0	78.3	79.2	80.4	80.7	81.3	81.3	82.1	82.1	82.4	83.1
IV 120	65.5	70.7	72.8	74.9	77.5	77.9	79.2	80.1	81.3	81.6	82.1	82.1	83.0	83.0	83.3	83.9
IV 100	65.7	70.9	73.1	75.1	77.8	78.2	79.5	80.4	81.6	81.9	82.4	82.4	83.3	83.3	83.6	84.4
IV 900	65.9	71.6	73.9	76.0	79.1	79.5	81.0	81.9	83.1	83.4	83.9	83.9	84.8	84.8	85.1	85.9
IV 800	66.3	71.9	74.4	76.4	79.6	80.1	81.6	82.4	83.6	83.9	84.5	84.5	85.3	85.3	85.7	86.4
IV 700	66.3	71.9	74.4	76.5	79.7	80.2	81.7	82.7	83.8	84.2	84.7	84.7	85.6	85.6	85.9	86.6
IV 600	66.4	72.1	74.6	76.8	80.2	80.6	82.2	83.2	84.4	84.7	85.2	85.2	86.1	86.1	86.4	87.2
IV 500	66.4	72.2	75.0	77.3	80.6	81.3	82.9	83.8	85.2	85.7	86.2	86.2	87.1	87.1	87.4	88.1
IV 400	66.5	72.3	75.2	77.6	81.4	82.1	84.4	85.3	86.9	87.5	88.0	88.0	89.0	89.0	89.4	90.2
IV 300	66.5	72.5	75.4	77.9	81.8	82.5	85.0	86.1	87.6	88.4	88.9	88.9	89.9	89.9	90.2	91.4
IV 200	66.5	72.5	75.4	77.9	82.1	83.0	85.7	86.7	88.4	89.4	90.5	90.6	91.9	92.3	93.1	94.0
IV 100	66.5	72.5	75.4	77.9	82.2	83.1	86.0	87.2	89.0	90.2	91.5	91.6	93.4	94.2	95.2	96.8
IV 0	66.5	72.5	75.4	77.9	82.2	83.1	86.0	87.3	89.1	90.3	91.8	91.9	93.8	94.6	95.8	99.4
	66.5	72.5	75.4	77.9	82.2	83.1	86.0	87.3	89.1	90.3	91.8	91.9	93.8	94.6	95.8	100.0

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835

K I SAWYER AFB MI

9-76

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 2.0	≥ 2.0	≥ 2.5	≥ 2.4	≥ 2.3	≥ 2.2	≥ 2.1	≥ 2.0	≥ 1.9	≥ 1.8	≥ 1.7	≥ 1.6	≥ 1.5	≥ 1.4	≥ 1.3	≥ 1.2
NO CEILING	47.5	50.1	50.7	51.3	51.8	52.1	52.4	52.5	52.6	52.6	52.6	52.6	52.6	52.9	52.9	53.0
≥ 2500	53.0	55.8	56.7	57.5	57.9	58.2	58.6	58.7	58.8	53.8	58.8	58.8	58.8	59.0	59.0	59.1
≥ 1800	53.4	56.3	57.4	58.1	58.6	58.9	59.2	59.3	59.4	59.4	59.4	59.4	59.4	59.6	59.6	59.7
≥ 1500	53.6	56.5	57.6	58.3	58.8	59.1	59.4	59.5	59.6	59.6	59.6	59.6	59.6	59.8	59.8	60.0
≥ 1400	54.0	56.9	58.2	59.0	59.4	59.7	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.5	60.5	60.6
≥ 1200	54.8	57.8	59.1	59.8	60.3	60.6	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.4	61.4	61.5
≥ 1000	57.1	60.2	61.5	62.2	62.6	63.0	63.3	63.4	63.5	63.5	63.5	63.5	63.5	63.7	63.7	63.8
≥ 900	57.9	61.0	62.3	63.1	63.5	63.8	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.6	64.6	64.7
≥ 800	59.7	63.0	64.5	65.2	65.8	66.1	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.8	66.8	67.0
≥ 700	60.6	63.8	65.3	66.1	66.8	67.2	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.9	67.9	68.0
≥ 600	62.0	65.2	66.7	67.5	68.2	68.6	68.9	69.0	69.1	69.2	69.2	69.2	69.2	69.4	69.4	69.5
≥ 500	63.0	66.4	68.0	68.8	69.5	69.9	70.3	70.4	70.6	70.8	70.8	70.8	70.8	71.0	71.0	71.2
≥ 450	63.7	67.3	68.9	69.6	70.4	70.7	71.2	71.4	71.6	71.8	71.8	71.8	71.8	72.0	72.0	72.1
≥ 400	65.2	68.9	70.5	71.4	72.2	72.6	73.3	73.5	73.7	74.0	74.0	74.0	74.0	74.2	74.2	74.3
≥ 350	66.3	70.2	71.8	72.7	73.5	73.8	74.6	74.8	75.0	75.2	75.2	75.2	75.2	75.5	75.5	75.6
≥ 300	68.4	72.4	74.5	75.5	76.3	76.6	77.4	77.6	77.8	78.0	78.1	78.1	78.1	78.4	78.4	78.5
≥ 250	69.1	73.5	75.6	76.6	77.5	77.8	78.5	78.8	79.0	79.2	79.3	79.3	79.3	79.5	79.5	79.7
≥ 200	70.3	74.8	76.9	78.0	79.1	79.4	80.2	80.4	80.6	80.8	80.9	80.9	80.9	81.2	81.2	81.3
≥ 180	70.7	75.3	77.4	78.7	79.8	80.1	80.8	81.1	81.3	81.5	81.6	81.6	81.6	81.8	81.8	81.9
≥ 150	72.3	77.5	79.7	80.9	82.0	82.3	83.1	83.3	83.5	83.7	83.9	83.9	83.9	84.1	84.1	84.2
≥ 120	73.3	78.8	80.9	82.2	83.4	83.7	84.6	84.8	85.0	85.3	85.4	85.4	85.4	85.6	85.6	85.7
≥ 100	74.3	80.0	82.3	83.7	85.1	85.6	86.4	86.7	86.9	87.1	87.3	87.3	87.4	87.6	87.6	87.7
≥ 90	74.6	80.7	83.1	84.5	85.9	86.3	87.2	87.4	87.6	87.8	88.1	88.1	88.2	88.4	88.4	88.5
≥ 80	74.9	81.1	83.4	84.8	86.2	86.7	87.5	87.7	87.9	88.3	88.5	88.5	88.6	88.8	88.8	88.9
≥ 70	75.2	81.6	84.1	85.5	86.9	87.4	88.4	88.6	88.8	89.2	89.5	89.5	89.6	89.8	89.8	89.9
≥ 60	75.7	82.0	84.6	86.1	87.9	88.6	89.6	89.9	90.1	90.5	90.7	90.7	90.9	91.1	91.1	91.2
≥ 50	76.0	82.6	85.4	87.1	89.7	90.4	91.5	91.9	92.2	92.8	93.0	93.0	93.1	93.3	93.3	93.4
≥ 40	76.0	82.9	85.9	87.8	90.6	91.5	92.8	93.4	93.9	94.7	94.9	94.9	95.0	95.3	95.3	95.4
≥ 30	76.1	83.1	86.2	88.3	91.2	92.0	93.6	94.4	94.9	96.1	96.6	96.6	96.7	96.9	96.9	97.0
≥ 20	76.1	83.1	86.2	88.3	91.2	92.0	93.6	94.5	95.3	96.6	97.6	97.8	98.1	98.6	98.8	99.0
≥ 10	76.1	83.1	86.2	88.3	91.2	92.0	93.6	94.5	95.3	96.6	97.6	97.8	98.1	98.6	98.9	99.9
≥ 0	76.1	83.1	86.2	88.3	91.2	92.0	93.6	94.5	95.3	96.6	97.6	97.8	98.1	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836
STATION

K I SAWYER AFB MI
STATION NAME

19-78
YEAR

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING	45.5	47.6	47.8	47.8	48.3	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 20000	51.8	54.5	54.7	54.7	55.3	55.5	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 18000	52.9	55.5	55.8	55.8	56.4	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 16000	53.3	56.0	56.2	56.2	56.8	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 14000	54.0	56.7	56.9	56.9	57.6	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 12000	56.1	59.0	59.2	59.2	59.8	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 10000	58.3	61.4	61.8	61.8	62.4	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 9000	59.0	62.0	62.4	62.4	63.1	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 8000	59.8	63.0	63.4	63.4	64.0	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 7000	60.5	63.7	64.2	64.2	64.8	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 6000	62.0	65.3	65.8	65.8	66.4	66.6	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 5000	62.9	66.5	67.0	67.0	67.6	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 4500	63.8	67.5	67.9	67.9	68.6	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 4000	67.9	71.8	72.3	72.3	73.0	73.2	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 3500	70.4	74.3	74.9	74.9	75.6	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 3000	75.0	79.0	79.7	79.9	80.8	81.1	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2500	77.1	81.3	81.9	82.1	83.1	83.3	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 2000	80.3	84.6	85.3	85.6	86.5	86.8	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 1800	80.6	85.1	85.8	86.1	87.2	87.4	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1500	82.2	87.3	87.9	88.3	89.3	89.6	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1200	82.7	88.2	88.8	89.1	90.4	90.7	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 1000	83.3	89.1	89.8	90.3	91.8	92.1	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 900	83.5	89.5	90.2	90.9	92.6	92.9	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 800	83.5	89.6	90.3	91.1	92.9	93.2	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 700	83.6	89.7	90.5	91.5	93.4	93.8	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 600	84.3	90.4	91.4	92.4	94.6	94.9	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 500	84.3	90.7	91.9	93.1	95.7	96.1	96.6	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0
≥ 400	84.3	91.0	92.1	93.3	96.0	96.4	96.9	97.4	97.6	97.6	97.8	97.8	97.8	97.8	97.8
≥ 300	84.5	91.2	92.4	93.5	96.7	97.1	97.5	98.2	98.4	98.4	98.9	98.9	98.9	98.9	98.9
≥ 200	84.5	91.2	92.4	93.6	96.7	97.1	97.5	98.3	98.6	98.6	99.0	99.2	99.2	99.4	99.4
≥ 100	84.5	91.2	92.4	93.6	96.7	97.1	97.5	98.3	98.6	98.6	99.0	99.4	99.4	99.5	99.5
≥ 0	84.5	91.2	92.4	93.6	96.7	97.1	97.5	98.3	98.6	98.6	99.0	99.4	99.4	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94830

K I SAWYER AFB MI

69-78

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.3	≥0.2	≥0.15	≥0.1	≥0	
NO CEILING	49.4	50.8	51.1	51.2	51.6	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	
≥ 20000	55.3	57.5	58.0	58.1	58.4	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	
IV 18000	55.8	57.9	58.4	58.6	58.9	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	
IV 16000	56.2	58.4	59.0	59.1	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
IV 14000	56.5	58.8	59.5	59.6	60.0	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	
IV 12000	59.2	61.6	62.3	62.4	62.8	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	
IV 10000	61.8	64.3	65.0	65.1	65.4	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	
IV 9000	62.5	65.2	66.0	66.1	66.4	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	
IV 8000	64.0	67.0	67.7	67.8	68.1	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	
IV 7000	64.6	67.5	68.2	68.4	68.7	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	
IV 6000	66.1	69.1	69.9	70.0	70.3	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	
IV 5000	68.1	71.5	72.3	72.4	72.8	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	
IV 4500	69.1	72.4	73.3	73.4	73.7	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	
IV 4000	72.1	76.1	77.2	77.3	77.6	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	
IV 3500	75.0	79.3	80.4	80.5	80.8	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	
IV 3000	79.3	83.6	84.7	84.8	85.1	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	
IV 2500	81.7	86.2	87.3	87.5	87.8	88.5	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	
IV 2000	83.3	87.9	89.2	89.5	89.9	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	
IV 1800	83.4	88.2	89.5	89.7	90.1	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	
IV 1500	84.1	89.0	90.3	90.5	91.0	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	
IV 1200	85.1	90.1	91.4	91.6	92.4	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	
IV 1000	85.9	91.0	92.2	92.5	93.5	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	
IV 900	86.2	91.3	92.6	92.8	94.0	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	
IV 800	86.3	91.9	93.2	93.4	94.6	95.3	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	
IV 700	86.3	92.1	93.4	93.6	95.0	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	
IV 600	86.3	92.1	93.5	93.8	95.5	96.2	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	
IV 500	86.4	92.5	93.9	94.3	96.0	96.8	97.1	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	
IV 400	86.4	92.6	94.1	94.6	96.2	97.1	97.4	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	
IV 300	86.4	92.6	94.1	94.6	96.6	97.4	97.8	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
IV 200	86.4	92.6	94.1	94.6	96.6	97.4	97.8	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
IV 100	86.4	92.6	94.1	94.6	96.6	97.4	97.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	
IV 0	86.4	92.6	94.1	94.6	96.6	97.4	97.8	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836
STATION

K I SAWYER AFB MI
STATION NAME

69-78
YEAR

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.3	≥0.2	≥0.15	≥0.1	≥0.05	≥0
NO CEILING IN 20000	57.6	59.7	60.8	61.5	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
IV 18000 16000	62.8	64.9	66.2	67.1	67.5	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 14000 12000	63.3	65.7	67.0	67.8	68.2	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
IV 10000 9000	63.5	66.1	67.4	68.2	68.7	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 9000 8000	64.3	66.8	68.1	69.1	69.6	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 8000 7000	66.2	69.1	70.4	71.4	71.9	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 7000 6000	67.8	70.7	72.1	73.1	73.6	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
IV 6000 5000	68.5	71.7	73.2	74.2	74.7	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 5000 4000	70.2	74.3	75.8	76.7	77.3	77.4	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
IV 4000 3500	70.7	74.8	76.5	77.5	78.0	78.1	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
IV 3500 3000	71.9	76.0	77.7	78.8	79.3	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 3000 2500	72.2	79.5	81.4	82.5	83.0	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 2500 2000	75.8	80.2	82.0	83.1	83.6	83.7	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 2000 1800	77.4	82.0	83.9	85.0	85.6	85.7	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 1800 1500	78.4	83.3	85.1	86.5	87.1	87.3	87.6	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8
IV 1500 1200	79.4	84.8	86.7	88.1	88.6	88.8	89.1	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3
IV 1200 1000	80.8	86.2	88.2	89.8	90.3	90.6	91.1	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3
IV 1000 900	81.4	86.9	88.9	90.6	91.2	91.5	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1
IV 900 800	81.5	87.0	89.0	90.7	91.3	91.6	92.0	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2
IV 800 700	82.1	87.6	89.7	91.4	92.0	92.4	92.8	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 700 600	82.3	87.8	89.9	91.7	92.6	92.9	93.3	93.5	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 600 500	82.9	88.5	90.6	92.6	93.5	94.0	94.4	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 500 400	83.0	88.6	90.7	92.7	93.8	94.2	94.6	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0
IV 400 300	83.2	88.9	91.1	93.0	94.1	94.5	94.9	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 300 200	83.3	89.1	91.4	93.3	94.6	95.2	95.8	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 200 100	83.3	89.3	91.6	93.6	94.9	95.5	96.1	96.3	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6
IV 100 0	83.4	89.6	91.8	93.9	95.2	95.7	96.3	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 0	83.4	89.7	91.9	94.0	95.4	95.9	96.8	97.0	97.3	97.5	97.5	97.5	97.5	97.5	97.5	97.5
	83.4	89.7	92.0	94.1	95.7	96.3	97.5	97.6	98.0	98.4	98.7	98.8	98.8	98.9	98.9	98.9
	83.4	89.7	92.0	94.1	95.7	96.3	97.6	98.2	98.6	98.9	99.0	99.0	99.0	99.4	99.4	99.4
	83.4	89.7	92.0	94.1	95.7	96.3	97.6	98.2	98.6	98.9	99.0	99.0	99.4	99.4	99.5	100.0
	83.4	89.7	92.0	94.1	95.7	96.3	97.6	98.2	98.6	98.9	99.0	99.0	99.4	99.4	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836
STATION

K I SAWYER AFB MI
STATION NAME

69-70
YEAR

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	60.7	62.9	65.0	65.9	66.9	67.0	67.2	67.3	67.3	67.5	67.5	67.5	67.7	67.7	67.7	67.7
≥ 20000	64.0	66.5	68.8	69.8	70.8	70.9	71.4	71.6	71.6	71.7	71.7	71.7	71.9	71.9	71.9	71.9
≥ 18000	64.3	66.8	69.1	70.2	71.1	71.2	71.8	71.9	71.9	72.0	72.0	72.0	72.2	72.2	72.2	72.2
≥ 16000	64.5	67.0	69.3	70.4	71.3	71.4	72.0	72.1	72.1	72.2	72.2	72.2	72.4	72.4	72.4	72.4
≥ 14000	65.2	67.9	70.2	71.4	72.4	72.5	73.1	73.2	73.2	73.3	73.3	73.3	73.5	73.5	73.5	73.5
≥ 12000	66.4	69.1	71.3	72.6	73.6	73.7	74.4	74.5	74.5	74.6	74.6	74.6	74.8	74.8	74.8	74.8
≥ 10000	67.6	70.3	72.5	73.8	74.9	75.0	75.6	75.8	75.8	75.9	75.9	75.9	76.1	76.1	76.1	76.1
≥ 9000	67.7	70.4	72.6	74.0	75.1	75.3	76.0	76.1	76.1	76.2	76.2	76.2	76.4	76.4	76.4	76.4
≥ 8000	69.2	72.1	74.6	76.0	77.2	77.4	78.1	78.3	78.3	78.4	78.4	78.4	78.7	78.7	78.7	78.7
≥ 7000	71.0	73.9	76.4	77.8	79.0	79.3	80.1	80.3	80.3	80.4	80.4	80.4	80.6	80.6	80.6	80.6
≥ 6000	72.1	75.0	77.5	79.0	80.2	80.5	81.3	81.5	81.5	81.6	81.6	81.6	81.8	81.8	81.8	81.8
≥ 5000	73.9	76.8	79.3	80.8	82.0	82.3	83.1	83.3	83.3	83.4	83.4	83.4	83.6	83.6	83.6	83.6
≥ 4500	74.5	77.4	80.0	81.5	82.7	83.0	83.7	83.9	83.9	84.1	84.1	84.1	84.3	84.3	84.3	84.3
≥ 4000	75.2	78.1	80.9	83.0	84.3	84.6	85.3	85.6	85.6	85.7	85.7	85.7	85.9	85.9	85.9	85.9
≥ 3500	75.6	78.9	81.7	83.8	85.1	85.5	86.2	86.4	86.4	86.5	86.5	86.5	86.7	86.7	86.7	86.7
≥ 3000	76.1	79.4	82.2	84.5	85.9	86.2	87.0	87.2	87.2	87.3	87.3	87.3	87.5	87.5	87.5	87.5
≥ 2500	76.9	80.3	83.1	85.5	86.9	87.2	87.9	88.1	88.1	88.3	88.3	88.3	88.5	88.5	88.5	88.5
≥ 2000	77.4	80.9	83.7	86.2	87.6	87.9	88.7	88.9	88.9	89.0	89.0	89.0	89.2	89.2	89.2	89.2
≥ 1800	77.7	81.3	84.1	86.5	87.9	88.3	89.0	89.2	89.2	89.3	89.3	89.3	89.5	89.5	89.5	89.5
≥ 1500	78.1	81.9	84.7	87.2	88.7	89.0	89.8	90.0	90.0	90.1	90.1	90.1	90.3	90.3	90.3	90.3
≥ 1200	78.4	82.2	85.0	87.5	89.2	89.5	90.3	90.5	90.5	90.6	90.6	90.6	90.8	90.8	90.8	90.8
≥ 1000	78.9	82.7	85.5	87.9	89.7	90.0	91.1	91.3	91.3	91.4	91.4	91.4	91.6	91.6	91.6	91.6
≥ 900	79.0	82.8	85.6	88.1	90.0	90.3	91.4	91.6	91.6	91.7	91.7	91.7	91.9	91.9	91.9	91.9
≥ 800	79.0	82.9	85.7	88.3	90.2	90.5	91.6	91.8	91.8	91.9	91.9	91.9	92.1	92.1	92.1	92.1
≥ 700	79.0	82.9	85.7	88.3	90.2	90.5	91.7	91.9	91.9	92.0	92.0	92.0	92.2	92.2	92.2	92.2
≥ 600	79.4	83.3	86.1	88.7	90.7	91.1	92.5	92.7	92.7	92.8	92.8	92.8	93.0	93.0	93.0	93.0
≥ 500	79.6	83.6	86.4	89.0	91.2	91.6	93.2	93.4	93.4	93.6	93.6	93.6	93.9	93.9	93.9	93.9
≥ 400	79.7	83.7	86.6	89.2	91.5	91.9	93.5	94.0	94.0	94.2	94.2	94.2	94.4	94.4	94.4	94.4
≥ 300	79.7	83.7	86.6	89.2	91.7	92.6	94.2	95.2	95.6	95.0	96.2	96.2	96.7	96.8	96.8	97.0
≥ 200	79.7	83.7	86.6	89.2	91.8	92.7	94.4	95.5	96.1	96.7	96.9	96.9	97.4	97.6	97.7	98.1
≥ 100	79.7	83.7	86.6	89.2	91.9	92.8	94.5	95.8	96.4	97.0	97.2	97.2	97.8	98.2	98.5	100.0
≥ 0	79.7	83.7	86.6	89.2	91.9	92.8	94.5	95.8	96.4	97.0	97.2	97.2	97.8	98.2	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 928

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94826
STATION

K I SAWYER AFB MI
STATION NAME

69-78
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL
MONTHS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	52.9	55.4	56.6	57.2	58.1	58.5	58.7	58.9	59.0	59.1	59.1	59.2	59.3	59.4	59.5	59.7
≥ 20000	56.8	59.6	61.1	61.8	62.7	63.1	63.4	63.6	63.7	63.8	63.9	63.9	64.1	64.2	64.2	64.4
IV 18000	57.2	60.0	61.5	62.2	63.2	63.6	63.9	64.1	64.2	64.3	64.4	64.4	64.6	64.7	64.7	64.9
IV 16000	57.4	60.3	61.8	62.5	63.5	63.9	64.2	64.4	64.5	64.6	64.7	64.7	64.9	65.0	65.0	65.2
IV 14000	57.9	60.9	62.4	63.2	64.2	64.6	64.9	65.2	65.3	65.4	65.4	65.4	65.6	65.7	65.8	66.0
IV 12000	59.3	62.5	64.0	64.8	65.8	66.2	66.6	66.8	66.9	67.0	67.1	67.1	67.3	67.4	67.5	67.6
IV 10000	61.3	64.5	66.1	66.9	67.9	68.3	68.8	69.0	69.1	69.2	69.2	69.3	69.5	69.5	69.6	69.8
IV 9000	61.7	65.0	66.6	67.4	68.5	68.9	69.3	69.5	69.6	69.7	69.8	69.8	70.0	70.1	70.2	70.3
IV 8000	63.0	66.5	68.2	69.0	70.1	70.5	71.0	71.2	71.4	71.5	71.5	71.5	71.7	71.8	71.9	72.1
IV 7000	64.0	67.5	69.2	70.1	71.2	71.7	72.1	72.4	72.5	72.6	72.7	72.7	72.9	73.0	73.1	73.2
IV 6000	65.2	68.8	70.6	71.5	72.6	73.0	73.5	73.7	73.9	74.0	74.1	74.1	74.3	74.4	74.5	74.6
IV 5000	66.9	70.7	72.5	73.4	74.5	75.0	75.5	75.8	75.9	76.1	76.1	76.2	76.4	76.4	76.5	76.7
IV 4500	67.5	71.4	73.2	74.1	75.2	75.7	76.2	76.5	76.6	76.8	76.9	76.9	77.1	77.2	77.2	77.4
IV 4000	69.4	73.5	75.5	76.6	77.8	78.3	78.9	79.2	79.3	79.5	79.6	79.6	79.8	79.9	79.9	80.1
IV 3500	70.5	74.9	77.0	78.1	79.3	79.8	80.4	80.7	80.9	81.1	81.1	81.2	81.4	81.5	81.5	81.7
IV 3000	72.3	76.9	79.1	80.3	81.7	82.2	82.8	83.2	83.3	83.5	83.6	83.6	83.9	83.9	84.0	84.2
IV 2500	73.4	78.1	80.3	81.6	83.0	83.5	84.2	84.5	84.7	84.9	84.9	85.0	85.2	85.3	85.3	85.5
IV 2000	74.5	79.3	81.5	82.9	84.3	84.9	85.5	85.8	86.0	86.2	86.3	86.3	86.5	86.6	86.7	86.9
IV 1800	74.8	79.6	81.9	83.3	84.7	85.3	85.9	86.2	86.4	86.6	86.7	86.7	86.9	87.0	87.1	87.3
IV 1500	75.6	80.7	83.0	84.4	85.9	86.4	87.1	87.4	87.6	87.8	87.9	87.9	88.1	88.2	88.2	88.4
IV 1200	76.2	81.4	83.7	85.1	86.7	87.3	88.0	88.3	88.5	88.7	88.8	88.8	89.0	89.1	89.2	89.3
IV 1000	76.7	82.1	84.5	86.0	87.8	88.5	89.2	89.6	89.8	90.0	90.1	90.1	90.3	90.4	90.5	90.7
IV 900	76.9	82.4	84.8	86.4	88.3	88.9	89.7	90.0	90.2	90.4	90.5	90.5	90.8	90.8	90.9	91.1
IV 800	77.0	82.6	85.0	86.6	88.5	89.1	89.9	90.3	90.5	90.7	90.8	90.9	91.1	91.2	91.2	91.4
IV 700	77.1	82.8	85.3	86.9	89.0	89.6	90.5	90.9	91.1	91.3	91.4	91.5	91.7	91.8	91.9	92.1
IV 600	77.3	83.2	85.7	87.4	89.6	90.3	91.2	91.7	91.9	92.1	92.3	92.3	92.5	92.6	92.7	92.9
IV 500	77.5	83.4	86.1	87.9	90.4	91.2	92.3	92.8	93.1	93.4	93.5	93.5	93.8	93.9	94.0	94.2
IV 400	77.5	83.6	86.3	88.2	90.8	91.6	92.9	93.5	93.9	94.3	94.4	94.5	94.7	94.8	95.0	95.2
IV 300	77.5	83.6	86.4	88.3	91.2	92.1	93.6	94.4	94.9	95.4	95.9	95.9	96.3	96.5	96.6	97.0
IV 200	77.5	83.6	86.4	88.3	91.2	92.2	93.7	94.7	95.4	96.0	96.5	96.6	97.3	97.5	97.7	98.3
IV 100	77.5	83.6	86.4	88.3	91.2	92.2	93.8	94.9	95.5	96.1	96.7	96.8	97.5	97.9	98.2	99.9
IV 0	77.5	83.6	86.4	88.3	91.2	92.2	93.8	94.9	95.5	96.1	96.7	96.8	97.5	97.9	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7426

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

09-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	45.9	47.4	47.9	48.0	48.8	48.8	49.2	49.3	49.4	49.7	49.8	49.8	49.9	50.0	50.2	50.6
IV 23000	49.9	51.4	51.9	52.0	52.8	52.8	53.4	53.6	53.7	53.9	54.0	54.0	54.1	54.2	54.4	54.8
IV 18000	50.0	51.7	52.1	52.2	53.0	53.0	53.7	53.8	53.9	54.1	54.2	54.2	54.3	54.4	54.7	55.0
IV 16000	50.3	52.0	52.4	52.6	53.3	53.3	54.0	54.1	54.2	54.4	54.6	54.6	54.7	54.8	55.0	55.3
IV 14000	51.6	53.2	53.7	53.8	54.6	54.6	55.2	55.3	55.4	55.7	55.8	55.8	55.9	56.0	56.2	56.6
IV 12000	52.0	53.7	54.1	54.2	55.0	55.0	55.8	55.9	56.0	56.2	56.3	56.3	56.4	56.6	56.8	57.1
IV 3000	53.1	54.8	55.2	55.3	56.1	56.1	56.9	57.0	57.1	57.3	57.4	57.4	57.6	57.7	57.9	58.2
IV 9000	54.0	55.8	56.2	56.3	57.1	57.1	57.9	58.0	58.1	58.3	58.4	58.4	58.6	58.7	58.9	59.2
IV 8000	54.8	56.8	57.2	57.3	58.1	58.1	59.0	59.1	59.2	59.4	59.6	59.6	59.7	59.8	60.0	60.3
IV 7000	55.2	57.7	58.1	58.2	59.0	59.0	60.0	60.1	60.2	60.4	60.6	60.6	60.7	60.8	61.0	61.3
IV 6000	56.3	58.8	59.2	59.4	60.2	60.2	61.2	61.3	61.4	61.7	61.8	61.8	61.9	62.0	62.2	62.6
IV 5000	59.8	62.9	63.3	63.6	64.3	64.3	65.4	65.6	65.7	65.9	66.0	66.0	66.1	66.4	66.7	67.0
IV 4500	61.0	64.1	64.7	64.9	65.8	65.8	66.9	67.0	67.2	67.4	67.6	67.6	67.7	68.0	68.2	68.6
IV 4000	63.8	67.6	68.1	68.3	69.6	69.6	70.7	70.9	71.1	71.3	71.4	71.4	71.6	71.9	72.1	72.4
IV 3500	64.6	68.7	69.3	69.6	70.8	70.8	71.9	72.1	72.3	72.6	72.7	72.7	72.8	73.1	73.3	73.7
IV 3000	65.7	70.0	70.8	71.3	72.8	72.8	74.0	74.2	74.4	74.7	74.8	74.8	74.9	75.2	75.4	75.8
IV 2500	67.0	71.8	72.6	73.1	74.9	74.9	76.1	76.4	76.7	76.9	77.0	77.0	77.1	77.4	77.7	78.0
IV 2000	68.3	73.3	74.2	75.0	76.8	76.8	78.1	78.4	78.7	78.9	79.0	79.0	79.1	79.4	79.7	80.0
IV 1800	68.3	73.3	74.6	75.3	77.1	77.1	78.4	78.8	79.0	79.2	79.3	79.3	79.4	79.8	80.0	80.3
IV 1500	69.6	74.8	76.1	77.1	79.2	79.2	80.6	80.9	81.1	81.3	81.4	81.4	81.6	81.9	82.1	82.4
IV 1200	70.6	75.9	77.3	78.3	80.4	80.6	81.9	82.2	82.4	82.7	82.8	82.8	82.9	83.2	83.4	83.8
IV 1000	71.1	76.4	77.9	78.9	81.3	81.6	82.9	83.2	83.4	83.7	83.8	83.8	83.9	84.2	84.4	84.8
IV 900	71.3	76.7	78.1	79.6	82.1	82.3	83.7	84.0	84.2	84.4	84.6	84.6	84.7	85.0	85.2	85.6
IV 800	71.7	77.1	78.7	80.2	82.8	83.1	84.4	84.8	85.0	85.2	85.3	85.3	85.4	85.8	86.0	86.3
IV 700	71.7	77.3	78.9	80.4	83.3	83.8	85.1	85.4	85.7	85.9	86.0	86.0	86.1	86.4	86.7	87.0
IV 600	71.9	77.8	79.7	81.3	84.9	85.4	86.8	87.1	87.3	87.6	87.7	87.7	87.8	88.1	88.3	88.7
IV 500	72.0	78.1	80.1	81.8	85.0	86.4	88.3	88.7	89.0	89.2	89.3	89.3	89.4	89.8	90.0	90.3
IV 400	72.4	78.8	80.8	82.4	86.9	87.6	89.9	90.6	91.0	91.2	91.3	91.3	91.4	91.8	92.0	92.3
IV 300	72.4	79.0	81.1	82.8	87.3	88.3	91.2	92.2	93.1	93.7	94.2	94.2	94.3	94.7	94.9	95.2
IV 200	72.4	79.0	81.1	82.8	87.6	88.6	91.4	92.8	94.0	94.0	94.7	96.0	96.1	97.0	97.4	98.7
IV 100	72.4	79.0	81.1	82.8	87.6	88.6	91.4	92.8	94.0	94.7	96.0	96.1	97.2	97.7	99.0	99.8
IV 0	72.4	79.0	81.1	82.8	87.6	88.6	91.4	92.8	94.0	94.7	96.0	96.1	97.2	97.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

69-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	41.8	42.3	42.8	43.0	43.6	43.7	44.5	44.6	45.1	45.3	45.7	45.8	45.9	46.3	46.6	46.9
≥ 20000	44.2	44.8	45.4	45.6	46.4	46.5	47.6	47.7	48.2	48.4	48.8	48.9	49.2	49.5	49.8	50.2
IV 18000	44.3	44.9	45.5	45.7	46.5	46.6	47.7	47.8	48.3	48.5	48.9	49.1	49.3	49.6	49.9	50.3
IV 16000	44.6	45.3	45.8	46.1	46.8	46.9	48.1	48.2	48.6	48.8	49.3	49.4	49.6	49.9	50.3	50.6
IV 14000	44.9	45.6	46.2	46.4	47.2	47.3	48.4	48.5	48.9	49.2	49.6	49.7	49.9	50.3	50.6	50.9
IV 12000	45.6	46.3	46.8	47.1	47.8	47.9	49.1	49.2	49.6	49.8	50.3	50.4	50.6	50.9	51.3	51.6
IV 10000	48.3	48.9	49.5	49.7	50.5	50.6	51.7	51.8	52.3	52.5	52.9	53.1	53.3	53.6	53.9	54.3
IV 9000	48.9	49.6	50.2	50.4	51.2	51.3	52.4	52.5	52.9	53.2	53.6	53.7	53.9	54.3	54.6	54.9
IV 8000	50.1	50.8	51.5	51.8	52.9	53.1	54.2	54.3	54.7	54.9	55.4	55.5	55.7	56.1	56.4	56.7
IV 7000	51.2	51.9	52.6	52.9	54.1	54.2	55.3	55.4	55.8	56.1	56.5	56.6	56.8	57.2	57.5	57.8
IV 6000	52.4	53.2	53.8	54.3	55.5	55.6	56.7	56.8	57.3	57.5	58.0	58.1	58.3	58.6	59.0	59.3
IV 5000	55.7	57.4	58.3	58.7	60.0	60.1	61.2	61.3	61.7	62.0	62.4	62.6	63.0	63.3	63.6	64.1
IV 4500	56.2	58.0	58.8	59.3	60.7	60.8	62.0	62.1	62.5	62.7	63.2	63.4	63.7	64.1	64.4	64.8
IV 4000	58.4	60.6	61.7	62.2	63.8	64.1	65.2	65.3	65.7	66.0	66.4	66.6	67.0	67.3	67.6	68.1
IV 3500	59.2	61.5	62.6	63.1	64.8	65.1	66.2	66.3	66.7	67.0	67.4	67.6	68.0	68.3	68.6	69.1
IV 3000	60.2	62.6	64.1	64.6	66.6	66.9	68.1	68.2	68.6	69.0	69.4	69.6	70.0	70.3	70.6	71.1
IV 2500	62.5	65.6	67.3	68.0	70.2	70.4	71.7	72.0	72.4	72.7	73.2	73.4	73.7	74.1	74.4	74.9
IV 2000	63.6	67.1	68.7	69.4	71.6	71.9	73.2	73.4	73.9	74.2	74.6	74.9	75.2	75.5	75.9	76.3
IV 1800	64.0	67.4	69.1	69.7	72.0	72.2	73.6	73.9	74.3	74.6	75.1	75.3	75.6	76.0	76.3	76.8
IV 1500	66.3	70.0	71.7	72.5	74.7	75.0	76.4	76.6	77.1	77.4	77.9	78.1	78.4	78.8	79.1	79.5
IV 1200	67.5	71.6	73.6	74.4	76.9	77.1	78.6	78.9	79.3	79.6	80.1	80.3	80.6	81.0	81.3	81.8
IV 1000	69.1	73.3	75.3	76.2	78.9	79.1	81.0	81.3	81.8	82.1	82.5	82.8	83.1	83.4	83.8	84.2
IV 900	69.4	73.6	75.6	76.6	79.3	79.5	81.5	81.9	82.3	82.6	83.1	83.3	83.6	84.0	84.3	84.8
IV 800	69.5	73.9	75.9	76.9	79.8	80.0	82.0	82.3	82.7	83.2	83.6	83.9	84.2	84.5	84.9	85.3
IV 700	69.6	74.2	76.3	77.3	80.2	80.4	82.6	83.1	83.6	84.0	84.4	84.6	85.0	85.3	85.7	86.1
IV 600	69.9	74.6	77.0	78.2	81.3	81.6	84.1	84.5	85.1	85.4	85.9	86.1	86.4	86.8	87.1	87.5
IV 500	69.9	74.9	77.4	78.9	82.3	82.9	86.1	86.7	87.3	87.7	88.1	88.3	88.7	89.0	89.3	89.8
IV 400	70.2	75.3	77.9	79.3	82.9	83.8	87.3	88.0	88.7	89.0	89.5	89.8	90.1	90.4	90.8	91.2
IV 300	70.2	75.6	78.3	79.9	84.0	85.1	89.0	90.2	91.0	91.5	92.3	92.5	92.9	93.3	93.7	94.1
IV 200	70.2	75.8	78.4	80.1	84.8	86.0	90.1	91.5	92.7	93.4	94.7	95.0	95.8	96.6	97.0	97.6
IV 100	70.2	75.8	78.4	80.1	84.8	86.0	90.1	91.5	92.7	93.5	94.9	95.3	96.1	97.0	98.2	99.9
IV 0	70.2	75.8	78.4	80.1	84.8	86.0	90.1	91.5	92.7	93.5	94.9	95.3	96.1	97.0	98.2	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

69-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	
NO CEILING ≥20000	37.7	38.3	38.8	39.1	40.2	40.3	41.0	41.3	41.3	41.7	41.9	41.9	42.1	42.2	42.6	43.0
IV 8000 6000	39.9	40.7	41.1	41.4	42.6	42.7	43.3	43.7	43.9	44.2	44.4	44.6	44.8	44.9	45.2	45.7
IV 14000 12000	41.0	41.8	42.2	42.6	43.7	43.8	44.4	44.8	45.0	45.3	45.6	45.7	45.9	46.0	46.3	46.8
IV 10000 9000	44.4	45.4	45.9	46.2	47.4	47.6	48.2	48.6	48.8	49.1	49.3	49.4	49.8	49.9	50.3	50.8
IV 8000 7000	46.9	48.1	48.6	48.9	50.3	50.4	51.1	51.4	51.7	52.0	52.2	52.3	52.7	52.8	53.2	53.7
IV 6000 5000	48.3	49.8	50.3	50.7	52.1	52.2	52.9	53.3	53.6	53.9	54.1	54.2	54.6	54.7	55.1	55.6
IV 4500 4000	49.3	51.1	51.7	52.0	53.4	53.6	54.2	54.7	54.9	55.2	55.4	55.6	55.9	56.0	56.4	56.9
IV 3500 3000	51.7	53.8	54.4	55.1	56.6	56.7	57.3	57.8	58.0	58.4	58.7	58.8	59.1	59.2	59.7	60.1
IV 2500 2000	52.4	54.7	55.4	56.2	57.9	58.0	58.7	59.1	59.3	59.8	60.0	60.1	60.4	60.6	61.0	61.4
IV 1800 1500	54.8	57.2	58.2	59.1	60.8	60.9	61.6	62.0	62.2	62.7	62.9	63.0	63.3	63.4	63.9	64.3
IV 1000 800	55.4	58.0	59.0	59.9	61.6	61.7	62.3	62.8	63.0	63.4	63.7	63.8	64.1	64.2	64.7	65.1
IV 700 600	57.9	60.6	61.7	62.7	64.3	64.4	65.1	65.6	65.8	66.2	66.4	66.6	66.9	67.0	67.4	67.9
IV 500 400	62.0	65.1	66.4	67.4	69.1	69.2	69.9	70.3	70.6	71.0	71.2	71.3	71.7	71.8	72.2	72.7
IV 300 200	64.2	67.4	68.8	69.8	71.4	71.6	72.2	72.7	73.0	73.4	73.7	73.8	74.1	74.2	74.7	75.1
IV 100 0	65.3	68.6	69.9	70.9	72.6	72.7	73.3	73.8	74.1	74.6	74.8	74.9	75.2	75.3	75.8	76.2
IV 0	67.1	70.6	72.1	73.1	74.9	75.0	75.8	76.2	76.6	77.0	77.2	77.3	77.7	77.8	78.2	78.7
IV 0	67.8	71.9	73.4	74.6	76.4	76.6	77.4	77.9	78.2	78.7	78.9	79.0	79.3	79.4	79.9	80.3
IV 0	69.0	73.1	74.7	76.0	78.3	78.6	79.6	80.0	80.3	80.8	81.0	81.1	81.4	81.6	82.0	82.4
IV 0	69.0	73.1	74.7	76.0	78.3	78.6	79.7	80.1	80.4	80.9	81.2	81.7	81.9	82.0	82.3	82.6
IV 0	69.6	73.9	75.7	77.1	79.8	80.1	81.3	81.8	82.1	82.6	82.8	82.9	83.2	83.3	83.8	84.2
IV 0	69.9	74.3	76.2	77.7	81.0	81.3	82.7	83.1	83.4	83.9	84.1	84.2	84.6	84.7	85.1	85.6
IV 0	70.2	75.0	77.3	78.8	83.3	84.1	86.1	87.0	87.4	87.9	88.1	88.2	88.6	88.7	89.1	89.6
IV 0	70.3	75.6	78.0	79.4	84.1	85.0	87.2	88.6	89.1	89.8	90.0	90.1	90.4	90.6	91.0	91.4
IV 0	70.3	75.7	78.1	79.6	85.0	86.0	88.7	90.4	91.0	91.8	92.3	92.4	93.1	93.3	93.8	94.3
IV 0	70.4	75.9	78.6	80.0	85.8	86.8	89.6	91.6	92.2	93.2	94.3	94.4	95.9	96.1	96.7	97.4
IV 0	70.4	75.9	78.6	80.0	85.8	86.8	89.7	91.7	92.3	93.3	94.4	94.5	96.2	96.4	97.4	99.9
IV 0	70.4	75.9	78.6	80.0	85.8	86.8	89.7	91.7	92.3	93.3	94.4	94.6	96.2	96.4	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835
STATION

K I SAWYER AFB MI
STATION NAME

09-78
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING	35.2	36.6	36.7	36.9	37.3	37.3	37.4	37.4	37.4	37.6	37.6	37.6	37.6	37.6	37.7
≥ 20000	39.0	40.6	40.7	40.9	41.3	41.3	41.6	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.8
IV 18000	39.2	40.8	40.9	41.1	41.6	41.6	41.8	41.8	41.8	41.9	41.9	41.9	41.9	41.9	42.0
IV 16000	39.4	41.0	41.1	41.3	41.5	41.8	42.0	42.0	42.0	42.1	42.1	42.1	42.1	42.1	42.2
IV 14000	40.8	42.4	42.7	42.9	43.3	43.3	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.8
IV 12000	42.3	44.0	44.2	44.4	44.9	44.9	45.1	45.1	45.1	45.2	45.2	45.2	45.2	45.2	45.3
IV 10000	45.1	46.9	47.2	47.4	47.9	47.9	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.3
IV 9000	45.8	47.7	48.0	48.2	48.7	48.7	48.9	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.1
IV 8000	47.3	49.3	49.7	49.9	50.3	50.3	50.6	50.6	50.6	50.7	50.7	50.7	50.7	50.7	50.8
IV 7000	48.2	50.2	50.6	50.8	51.2	51.2	51.4	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.7
IV 6000	49.2	51.2	51.6	51.8	52.2	52.2	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.8
IV 5000	51.4	53.6	53.9	54.1	54.5	54.8	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3	55.4
IV 4500	52.1	54.2	54.6	54.8	55.4	55.4	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.1
IV 4000	54.0	56.3	56.7	56.9	57.6	57.6	58.0	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.2
IV 3500	54.8	57.1	57.4	57.7	58.3	58.3	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	59.0
IV 3000	58.4	60.9	61.2	61.6	62.3	62.3	62.8	62.8	62.8	62.9	62.9	62.9	62.9	62.9	63.0
IV 2500	62.7	65.3	65.8	66.1	66.9	66.9	67.3	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.6
IV 2000	67.3	70.0	70.4	70.8	71.9	71.9	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.6
IV 1800	68.0	70.8	71.3	71.8	72.9	72.9	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.6
IV 1500	70.3	73.2	74.0	74.4	75.6	75.6	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.2
IV 1200	72.1	75.7	76.7	77.1	78.3	78.4	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.2
IV 1000	73.7	77.6	78.6	79.0	80.6	80.7	81.3	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.6
IV 900	74.2	78.6	79.6	80.2	81.8	81.9	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.8
IV 800	74.9	79.4	80.6	81.4	83.0	83.1	83.8	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.2
IV 700	75.3	80.2	81.9	82.8	84.8	84.9	85.7	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.2
IV 600	75.6	81.3	83.3	84.4	86.7	86.8	87.8	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.3
IV 500	76.1	82.2	84.3	85.7	88.2	88.8	90.2	90.7	90.9	91.1	91.1	91.1	91.1	91.1	91.2
IV 400	76.1	82.8	85.2	86.9	89.6	90.1	91.9	92.4	92.7	93.7	93.7	93.7	93.7	93.7	93.8
IV 300	76.1	82.9	85.4	87.1	90.0	90.7	92.9	94.2	95.2	96.3	96.7	96.7	96.7	96.7	96.9
IV 200	76.1	82.9	85.6	87.2	90.2	91.1	93.4	94.8	95.8	97.2	97.9	97.9	98.2	98.4	98.8
IV 100	76.1	82.9	85.6	87.2	90.2	91.1	93.4	94.8	95.8	97.2	97.9	97.9	98.4	98.8	99.6
IV 0	76.1	82.9	85.6	87.2	90.2	91.1	93.4	94.8	95.8	97.2	97.9	97.9	98.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835

K I SAWYER AFB MI

09-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥5	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	33.9	34.9	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 20000	40.7	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
IV 18000	40.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 16000	40.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 14000	41.8	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 12000	42.7	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IV 10000	44.9	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 9000	45.7	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
IV 8000	47.0	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
IV 7000	48.7	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
IV 6000	50.0	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
IV 5000	52.2	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
IV 4500	52.8	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 4000	55.0	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
IV 3500	57.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
IV 3000	63.3	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
IV 2500	69.0	71.6	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
IV 2000	73.1	75.9	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 1800	73.9	76.7	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 1500	77.2	80.7	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 1200	78.8	82.6	82.9	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 1000	79.9	84.0	84.7	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 900	81.3	85.8	86.7	87.0	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 800	82.0	86.8	87.9	88.2	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 700	82.4	87.6	88.8	89.3	90.7	90.7	90.8	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 600	82.6	88.4	89.8	90.7	92.6	92.6	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 500	82.6	88.4	90.0	91.1	93.4	93.7	93.9	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 400	82.8	88.8	90.4	91.8	94.3	94.7	95.2	95.7	96.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 300	82.8	88.8	90.4	91.9	94.6	95.0	96.1	96.9	97.4	98.1	98.4	98.4	98.4	98.6	98.6	98.6
IV 200	82.8	88.8	90.4	91.9	94.6	95.3	96.4	97.3	98.0	98.9	99.2	99.2	99.6	99.7	99.8	99.8
IV 100	82.8	88.8	90.4	91.9	94.6	95.3	96.4	97.3	98.0	98.9	99.3	99.3	99.7	99.8	99.9	100.0
IV 0	82.8	88.8	90.4	91.9	94.6	95.3	96.4	97.3	98.0	98.9	99.3	99.3	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

69-76

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1
NO CEILING	39.6	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 20000	46.1	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 18000	46.6	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 16000	46.7	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 14000	47.9	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 12000	49.3	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
≥ 10000	51.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 9000	52.2	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	53.2	53.2
≥ 8000	53.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 7000	54.9	56.0	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 6000	56.4	57.5	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 5000	58.5	59.7	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4500	60.3	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 4000	63.2	64.6	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 3500	66.4	67.9	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3000	71.6	73.6	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2500	75.0	77.3	77.8	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 2000	77.5	81.0	81.4	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 1800	78.2	81.6	82.1	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1500	80.0	83.8	84.4	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 1200	81.3	85.5	86.2	86.5	86.5	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1000	82.8	87.5	88.2	88.7	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 900	83.5	88.3	89.0	89.5	89.7	89.7	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 800	84.3	89.5	90.2	90.8	90.9	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 700	84.9	90.7	91.3	92.2	92.5	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 600	84.9	90.9	91.8	92.8	93.4	93.7	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 500	85.2	91.4	92.7	93.8	94.9	95.1	95.9	96.4	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7
≥ 400	85.5	91.8	93.1	94.2	95.6	95.8	96.8	97.7	97.9	98.4	98.6	98.6	98.6	98.6	98.6	98.6
≥ 300	85.5	91.8	93.1	94.2	95.7	95.9	97.0	97.9	98.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	85.5	91.8	93.1	94.2	95.7	95.9	97.0	97.9	98.1	99.1	99.6	99.6	99.6	99.7	99.8	99.8
≥ 100	85.5	91.8	93.1	94.2	95.7	95.9	97.0	97.9	98.1	99.1	99.6	99.6	99.6	99.8	99.9	100.0
≥ 0	85.5	91.8	93.1	94.2	95.7	95.9	97.0	97.9	98.1	99.1	99.6	99.6	99.6	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94826

K I SAWYER AFB MI

69-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING	43.6	44.3	44.7	44.7	44.9	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.2	45.2	45.2
≥ 20000	49.6	50.7	51.2	51.3	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.7	51.7	51.7
IV 18000	49.6	50.7	51.2	51.3	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.7	51.7	51.7
IV 16000	49.6	50.7	51.3	51.4	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.8	51.8	51.8
IV 14000	50.4	51.5	52.1	52.2	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.6	52.6	52.6
IV 12000	51.5	52.6	53.2	53.3	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	53.7	53.7
IV 10000	53.9	55.3	55.8	56.0	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4
IV 9000	54.6	56.0	56.5	56.6	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1
IV 8000	56.4	58.0	58.5	58.6	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2
IV 7000	57.5	59.3	59.8	60.0	60.3	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6	60.6	60.6
IV 6000	59.0	60.7	61.4	61.8	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.5
IV 5000	61.8	63.8	64.6	65.2	65.5	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.0	66.0	66.0
IV 4500	63.7	65.7	66.5	67.1	67.4	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.9	67.9	67.9
IV 4000	66.3	68.6	69.4	70.3	70.6	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1	71.1	71.1
IV 3500	67.6	70.0	70.7	71.7	72.1	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.5
IV 3000	70.5	72.9	74.0	75.1	75.6	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1	76.1
IV 2500	72.7	75.2	76.5	77.6	78.3	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.8	78.8	78.8
IV 2000	75.4	78.1	79.4	80.5	81.3	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9
IV 1800	76.3	79.0	80.3	81.4	82.2	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.8	82.8	82.8
IV 1500	77.5	80.4	81.8	83.0	83.8	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3	84.3	84.3
IV 1200	79.4	82.5	83.9	85.3	86.2	86.5	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.9	86.9	86.9
IV 1000	80.8	83.9	85.2	86.9	87.9	88.4	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8
IV 900	80.8	84.0	85.3	87.0	88.0	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9
IV 800	81.1	84.4	85.9	87.8	88.9	89.4	89.5	89.7	89.7	89.8	89.8	89.8	89.8	89.9	89.9	89.9
IV 700	81.8	85.3	87.1	89.3	90.8	91.3	91.4	91.5	91.5	91.7	91.7	91.7	91.7	91.8	91.8	91.8
IV 600	81.8	85.5	87.5	89.9	91.4	92.0	92.4	92.5	92.7	92.8	92.8	92.8	92.8	92.9	92.9	92.9
IV 500	81.9	85.8	88.6	90.7	93.2	93.8	94.3	94.4	94.5	94.7	94.7	94.7	94.7	94.8	94.8	94.8
IV 400	82.0	85.9	88.2	91.2	94.0	94.8	96.0	96.8	96.9	97.3	97.3	97.3	97.3	97.4	97.4	97.4
IV 300	82.0	85.9	88.3	91.3	94.2	95.0	96.2	97.2	97.3	98.2	98.3	98.3	98.3	98.7	98.7	98.7
IV 200	82.0	85.9	88.3	91.3	94.2	95.0	96.2	97.2	97.3	98.3	98.9	99.0	99.0	99.6	99.6	99.6
IV 100	82.0	85.9	88.3	91.3	94.2	95.0	96.2	97.2	97.6	98.4	99.2	99.3	99.3	99.9	99.9	99.9
IV 0	82.0	85.9	88.3	91.3	94.2	95.0	96.2	97.2	97.6	98.4	99.2	99.3	99.3	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 499

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836
STATION

K I SAWYER AFB MI
STATION NAME

9-78
YEAR

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
TIME PERIOD

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0	
NO CEILING	45.3	47.0	47.8	47.9	48.9	49.0	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.6	
≥ 20500	48.2	50.0	50.8	51.0	52.0	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.9	
IV 18000	48.3	50.1	50.9	51.1	52.1	52.4	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	53.0	
16000	48.6	50.3	51.1	51.3	52.3	52.7	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.2	
IV 14000	49.8	51.6	52.3	52.6	53.6	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.4	
12000	50.2	52.0	52.8	53.0	54.0	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.9	
IV 10000	52.9	54.7	55.8	56.0	57.0	57.3	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.9	
9000	53.7	55.4	56.6	56.8	57.8	58.1	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.7	
IV 8000	54.3	56.1	57.3	57.6	58.6	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.4	
7000	55.7	57.4	58.8	59.0	60.0	60.3	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.9	
IV 6000	57.8	59.7	61.0	61.2	62.3	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.2	
5000	60.8	62.8	64.2	64.4	65.6	66.0	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.8	
IV 4500	62.3	64.4	65.9	66.2	67.3	67.8	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.6	
4000	65.6	68.0	70.1	70.4	71.6	72.0	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.8	
IV 3500	66.8	69.6	71.7	72.0	73.1	73.6	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.3	
3000	69.2	72.3	74.7	75.0	76.2	76.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.7	
IV 2500	71.0	74.6	77.0	77.4	78.8	79.2	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.2	
2000	72.6	76.1	78.7	79.1	80.4	80.9	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.9	
IV 1800	72.9	76.6	79.1	79.6	80.9	81.4	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.4	
1500	74.1	78.0	80.9	81.3	82.8	83.4	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.4	
IV 1200	75.2	79.2	82.2	83.0	84.7	85.7	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.7	
1000	75.8	79.9	82.9	83.9	86.3	87.3	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.3	
IV 900	76.2	80.4	83.4	84.4	87.1	88.1	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.2	
800	76.2	80.8	83.8	84.9	87.6	88.6	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.7	
IV 700	76.3	80.9	83.9	85.1	88.1	89.1	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.2	
600	76.6	81.2	84.4	85.8	89.2	90.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.6	
IV 500	76.9	81.6	84.8	86.2	91.1	92.1	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.8	
400	77.0	81.9	85.2	86.7	92.0	93.0	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.3	
IV 300	77.1	82.0	85.3	86.8	92.6	93.6	95.8	96.1	96.4	96.6	97.0	97.1	97.1	97.1	97.3	
200	77.1	82.0	85.3	86.8	92.6	93.6	95.8	96.1	96.7	96.9	98.0	98.0	98.7	98.7	98.9	
IV 100	77.1	82.0	85.3	86.8	92.6	93.6	95.8	96.1	96.7	96.9	98.1	98.1	98.9	99.0	99.7	
0	77.1	82.0	85.3	86.8	92.6	93.6	95.8	96.1	96.7	96.9	98.1	98.1	98.9	99.1	100.0	

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	VISIBILITY STATUTES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0	≥0	≥0
NO CEILING	40.4	41.4	41.7	41.9	42.4	42.4	42.7	42.8	42.9	43.0	43.1	43.1	43.1	43.2	43.3	43.5
≥ 20000	44.7	45.8	46.2	46.3	46.9	47.0	47.3	47.4	47.5	47.6	47.7	47.7	47.8	47.9	48.0	48.2
≥ 18000	44.9	46.0	46.4	46.5	47.1	47.1	47.5	47.6	47.7	47.8	47.9	47.9	48.0	48.1	48.2	48.4
≥ 16000	45.0	46.2	46.5	46.7	47.2	47.3	47.7	47.8	47.9	48.0	48.1	48.1	48.2	48.3	48.4	48.5
≥ 14000	46.0	47.3	47.6	47.8	48.3	48.4	48.8	48.9	49.0	49.1	49.2	49.2	49.3	49.4	49.5	49.6
≥ 12000	46.9	48.1	48.5	48.7	49.2	49.3	49.7	49.8	49.9	50.0	50.1	50.1	50.2	50.3	50.4	50.6
≥ 10000	49.3	50.6	51.0	51.2	51.7	51.8	52.2	52.3	52.4	52.5	52.6	52.6	52.7	52.8	52.9	53.1
≥ 9000	50.0	51.4	51.8	52.0	52.5	52.6	53.0	53.0	53.1	53.3	53.4	53.4	53.5	53.6	53.7	53.9
≥ 8000	51.3	52.8	53.3	53.4	54.1	54.1	54.6	54.6	54.7	54.8	54.9	55.0	55.1	55.1	55.3	55.4
≥ 7000	52.5	54.1	54.6	54.8	55.4	55.5	55.9	56.0	56.1	56.2	56.3	56.3	56.4	56.5	56.6	56.8
≥ 6000	53.8	55.5	56.0	56.2	56.9	57.0	57.4	57.5	57.6	57.7	57.8	57.9	58.0	58.0	58.1	58.3
≥ 5000	56.5	58.5	59.1	59.4	60.1	60.2	60.7	60.8	60.9	61.0	61.1	61.2	61.3	61.4	61.5	61.7
≥ 4500	57.6	59.6	60.3	60.6	61.4	61.5	62.0	62.1	62.2	62.3	62.4	62.4	62.6	62.7	62.8	63.0
≥ 4000	60.1	62.5	63.3	63.7	64.6	64.7	65.2	65.3	65.4	65.5	65.6	65.7	65.8	65.9	66.0	66.2
≥ 3500	61.6	64.1	64.9	65.3	66.2	66.3	66.8	66.9	67.0	67.1	67.2	67.3	67.4	67.5	67.6	67.8
≥ 3000	64.6	67.3	68.3	68.8	69.8	69.9	70.4	70.5	70.7	70.8	70.9	70.9	71.0	71.1	71.3	71.5
≥ 2500	67.7	70.8	71.9	72.4	73.5	73.6	74.2	74.3	74.4	74.5	74.5	74.7	74.8	74.9	75.0	75.2
≥ 2000	70.3	73.6	74.7	75.3	76.4	76.5	77.1	77.3	77.4	77.5	77.6	77.7	77.8	77.9	78.0	78.2
≥ 1800	70.9	74.2	75.4	76.0	77.1	77.3	77.9	78.0	78.1	78.3	78.4	78.4	78.5	78.6	78.7	78.9
≥ 1500	72.8	76.4	77.8	78.4	79.6	79.7	80.4	80.5	80.6	80.8	80.9	80.9	81.0	81.1	81.2	81.4
≥ 1200	74.1	78.1	79.5	80.3	81.6	81.8	82.5	82.6	82.8	82.9	83.0	83.0	83.1	83.2	83.4	83.6
≥ 1000	75.3	79.5	80.9	81.8	83.4	83.7	84.4	84.6	84.7	84.9	85.0	85.0	85.1	85.2	85.3	85.5
≥ 900	75.7	80.1	81.5	82.5	84.2	84.5	85.3	85.5	85.6	85.7	85.8	85.9	86.0	86.1	86.2	86.4
≥ 800	76.2	80.7	82.3	83.4	85.1	85.5	86.3	86.4	86.6	86.7	86.8	86.9	87.0	87.1	87.2	87.4
≥ 700	76.4	81.3	83.0	84.2	86.3	86.6	87.5	87.7	87.9	88.0	88.1	88.1	88.3	88.4	88.5	88.7
≥ 600	76.6	81.8	83.7	85.1	87.6	88.0	89.0	89.2	89.4	89.5	89.6	89.7	89.8	89.9	90.0	90.2
≥ 500	76.8	82.2	84.3	85.9	89.0	89.6	91.1	91.4	91.7	91.9	92.0	92.0	92.1	92.2	92.4	92.6
≥ 400	77.3	82.6	84.9	86.5	89.9	90.6	92.4	93.1	93.4	93.9	94.0	94.1	94.2	94.3	94.4	94.6
≥ 300	77.1	82.7	85.0	86.7	90.4	91.2	93.4	94.4	95.0	95.7	96.1	96.2	96.3	96.5	96.6	96.8
≥ 200	77.1	82.7	85.1	86.8	90.7	91.5	93.7	94.9	95.6	96.5	97.3	97.4	98.0	98.3	98.5	98.8
≥ 100	77.1	82.7	85.1	86.8	90.7	91.5	93.8	94.9	95.6	96.5	97.4	97.5	98.3	98.6	99.1	99.9
≥ 0	77.1	82.7	85.1	86.8	90.7	91.5	93.8	94.9	95.6	96.5	97.4	97.5	98.3	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 7197

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836
STATION

K I SAWYER AFB MI
STATION NAME

19-70
YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ 0	≥ 0
NO CEILING	38.9	37.6	39.9	40.3	41.2	41.2	41.3	41.3	41.4	41.4	41.6	41.6	41.9	42.0	42.3	42.6
≥ 20000	42.8	43.4	44.0	44.4	45.3	45.3	45.4	45.4	45.5	45.5	45.7	45.7	46.0	46.1	46.5	46.8
IV 18000	43.1	43.8	44.4	44.8	45.7	45.7	45.8	45.8	45.9	45.9	46.1	46.1	46.5	46.6	46.9	47.2
IV 16000	43.2	43.9	44.5	44.9	45.8	45.8	45.9	45.9	46.0	46.0	46.2	46.2	46.6	46.7	47.0	47.3
IV 14000	43.8	44.7	45.4	45.8	46.7	46.7	46.8	46.8	46.9	46.9	47.1	47.1	47.4	47.5	47.8	48.2
IV 12000	44.6	45.8	46.5	46.9	48.0	48.1	48.2	48.2	48.3	48.3	48.5	48.5	48.8	48.9	49.2	49.6
IV 10000	46.9	48.4	49.0	49.5	50.9	51.0	51.1	51.1	51.2	51.3	51.5	51.5	51.8	51.9	52.3	52.6
IV 9000	47.7	49.5	50.1	50.5	51.9	52.0	52.2	52.2	52.3	52.4	52.6	52.6	52.9	53.0	53.3	53.7
IV 8000	48.7	50.8	51.4	51.8	53.2	53.3	53.4	53.4	53.5	53.7	53.9	53.9	54.2	54.3	54.6	54.9
IV 7000	49.1	51.7	52.4	52.8	54.2	54.3	54.4	54.4	54.5	54.6	54.8	54.8	55.2	55.3	55.6	55.9
IV 6000	51.4	53.5	54.2	54.6	56.0	56.1	56.2	56.2	56.3	56.5	56.7	56.7	57.0	57.1	57.4	57.7
IV 5000	54.6	57.2	57.8	58.3	59.9	60.1	60.2	60.3	60.4	60.5	60.8	60.8	61.1	61.2	61.5	61.8
IV 4500	56.5	59.0	59.7	60.1	61.7	61.9	62.2	62.2	62.3	62.4	62.6	62.6	62.9	63.0	63.3	63.7
IV 4000	59.9	62.9	63.9	64.5	66.3	66.6	66.9	66.9	67.0	67.1	67.3	67.3	67.6	67.7	68.1	68.4
IV 3500	61.5	64.6	65.6	66.2	68.1	68.3	68.6	68.7	68.8	68.9	69.1	69.1	69.5	69.6	69.9	70.2
IV 3000	65.4	69.0	70.1	70.8	72.3	73.0	73.3	73.4	73.5	73.8	74.0	74.0	74.3	74.4	74.7	75.1
IV 2500	66.9	70.8	71.8	72.6	74.6	74.6	75.2	75.3	75.4	75.6	75.8	75.8	76.1	76.2	76.6	76.9
IV 2000	68.6	73.1	74.4	75.2	77.3	77.5	78.0	78.1	78.2	78.4	78.6	78.6	78.9	79.0	79.4	79.7
IV 1800	68.8	73.4	74.7	75.5	77.8	78.3	78.7	78.8	78.9	79.1	79.4	79.4	79.7	79.8	80.1	80.4
IV 1500	69.5	74.5	75.9	76.7	79.4	80.0	80.5	81.1	81.2	81.4	81.6	81.6	81.9	82.0	82.4	82.7
IV 1200	70.1	75.5	77.1	78.0	80.6	81.3	81.8	82.4	82.5	82.7	82.9	82.9	83.2	83.3	83.7	84.0
IV 1000	70.3	75.8	77.7	78.6	81.4	82.0	82.6	83.1	83.3	83.5	83.8	83.8	84.1	84.2	84.5	84.8
IV 900	70.5	76.0	78.0	78.8	81.6	82.3	82.8	83.3	83.5	83.9	84.1	84.1	84.4	84.5	84.8	85.2
IV 800	70.9	76.5	78.0	79.5	82.6	83.2	83.9	84.4	84.6	84.9	85.2	85.2	85.5	85.6	85.9	86.2
IV 700	71.1	76.7	79.0	79.9	83.1	83.8	84.6	85.2	85.4	85.9	86.2	86.3	86.8	87.0	87.3	87.6
IV 600	71.3	77.1	79.7	80.5	84.3	84.9	85.9	86.5	86.7	87.2	87.5	87.7	88.2	88.4	88.7	89.0
IV 500	71.5	77.4	80.0	81.4	85.8	86.9	88.1	88.8	89.1	89.7	90.0	90.2	90.6	90.9	91.2	91.5
IV 400	71.5	77.4	80.0	81.5	86.8	87.8	89.1	90.4	90.9	91.5	91.8	92.0	92.5	92.7	93.0	93.3
IV 300	71.5	77.4	80.0	81.5	86.8	87.8	89.6	91.0	91.5	92.4	92.7	92.9	93.7	93.9	94.4	94.7
IV 200	71.5	77.5	80.1	81.6	87.0	88.1	90.0	92.0	92.9	94.0	94.3	94.7	95.8	96.0	96.8	97.2
IV 100	71.5	77.5	80.1	81.6	87.0	88.1	90.0	92.0	92.9	94.0	94.4	94.8	95.9	96.3	97.8	99.9
IV 0	71.5	77.5	80.1	81.6	87.0	88.1	90.0	92.0	92.9	94.0	94.4	94.8	95.9	96.3	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836
STATION

K I SAWYER AFB MI
STATION NAME

69-78
YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	35.8	36.7	37.2	38.0	39.0	39.1	39.2	39.2	39.3	39.4	39.7	39.7	40.3	40.3	40.7	41.2
≥ 20000	39.5	40.4	41.0	41.8	42.7	42.8	42.9	42.9	43.1	43.2	43.5	43.5	44.0	44.0	44.5	45.0
≥ 18000	39.9	40.8	41.4	42.2	43.2	43.3	43.4	43.4	43.5	43.6	43.9	43.9	44.5	44.5	44.9	45.4
≥ 16000	39.9	40.8	41.4	42.2	43.2	43.3	43.4	43.4	43.5	43.6	43.9	43.9	44.5	44.5	44.9	45.4
≥ 14000	40.5	41.3	42.0	42.7	43.7	43.8	43.9	43.9	44.0	44.1	44.5	44.5	45.0	45.0	45.4	46.0
≥ 12000	41.9	42.8	43.5	44.2	45.2	45.4	45.5	45.5	45.6	45.7	46.1	46.1	46.6	46.6	47.0	47.7
≥ 10000	44.0	45.3	46.0	46.7	47.9	48.0	48.1	48.2	48.3	48.4	48.8	48.8	49.5	49.5	49.9	50.6
≥ 9000	44.0	45.7	46.4	47.1	48.3	48.4	48.5	48.7	48.8	48.9	49.2	49.2	49.9	49.9	50.4	51.0
≥ 8000	44.6	46.5	47.1	48.0	49.2	49.3	49.4	49.5	49.6	49.7	50.1	50.1	50.8	50.8	51.2	51.9
≥ 7000	45.4	47.5	48.3	49.2	50.4	50.5	50.6	50.7	50.9	51.0	51.3	51.3	52.1	52.1	52.5	53.2
≥ 6000	47.8	49.8	50.8	51.7	52.9	53.0	53.1	53.2	53.4	53.5	53.8	53.8	54.6	54.6	55.0	55.7
≥ 5000	51.1	53.4	54.5	55.3	56.8	57.1	57.2	57.4	57.6	57.8	58.1	58.1	58.9	58.9	59.3	60.0
≥ 4500	52.7	55.2	56.3	57.2	58.7	58.9	59.0	59.2	59.4	59.6	60.0	60.0	60.7	60.7	61.1	61.8
≥ 4000	56.4	60.0	61.1	62.2	63.9	64.3	64.4	64.6	64.8	65.0	65.3	65.3	66.2	66.2	66.6	67.3
≥ 3500	58.3	62.0	63.2	64.3	66.0	66.3	66.4	66.6	66.8	67.1	67.4	67.4	68.2	68.2	68.7	69.3
≥ 3000	61.2	65.0	66.3	67.4	69.3	69.6	69.8	70.1	70.3	70.5	70.8	70.8	71.7	71.7	72.1	72.8
≥ 2500	63.2	67.0	68.4	69.4	71.4	71.7	71.8	72.1	72.5	72.6	72.9	72.9	73.7	73.7	74.2	74.8
≥ 2000	65.0	68.9	70.5	71.6	73.6	74.1	74.3	74.6	74.8	75.0	75.3	75.3	76.2	76.2	76.6	77.3
≥ 1800	65.4	69.3	70.9	72.0	74.1	74.5	74.7	75.0	75.2	75.5	75.8	75.8	76.6	76.6	77.1	77.7
≥ 1500	66.4	71.0	73.0	74.1	76.3	76.9	77.2	77.5	78.0	78.3	78.6	78.6	79.4	79.4	79.9	80.5
≥ 1200	67.3	72.1	74.5	75.7	78.1	78.7	79.1	79.4	80.0	80.2	80.6	80.6	81.5	81.5	81.9	82.6
≥ 1000	68.0	73.0	75.5	76.6	79.2	79.8	80.3	80.6	81.3	81.7	82.2	82.2	83.1	83.1	83.5	84.2
≥ 900	68.6	73.5	76.1	77.3	79.9	80.5	81.1	81.4	82.0	82.5	83.0	83.0	83.9	83.9	84.3	84.9
≥ 800	68.9	74.1	77.1	78.3	80.9	81.6	82.1	82.5	83.1	83.5	84.1	84.1	84.9	84.9	85.4	86.0
≥ 700	69.1	74.3	77.4	78.6	81.4	82.0	82.7	83.0	83.6	84.4	84.9	84.9	85.8	85.8	86.2	86.9
≥ 600	69.5	74.7	77.9	79.1	82.0	82.9	83.7	84.2	84.6	85.6	86.1	86.1	87.1	87.1	87.5	88.2
≥ 500	69.6	74.9	78.3	79.9	83.2	84.2	85.0	85.6	86.2	87.0	87.5	87.5	88.5	88.5	88.9	89.6
≥ 400	69.6	74.9	78.3	80.0	84.0	85.4	86.5	87.8	88.6	89.3	90.1	90.1	91.1	91.1	91.5	92.1
≥ 300	69.6	74.9	78.4	80.1	84.3	85.9	87.6	89.6	90.7	91.6	92.5	92.6	93.8	93.8	94.3	94.9
≥ 200	69.6	74.9	78.4	80.2	84.4	86.1	88.1	90.4	91.6	92.5	93.5	93.6	95.0	95.2	96.0	96.9
≥ 100	69.6	74.9	78.4	80.2	84.4	86.2	88.2	90.5	91.7	92.6	93.8	94.0	95.5	95.6	97.1	99.8
≥ 0	69.6	74.9	78.4	80.2	84.4	86.2	88.2	90.5	91.7	92.6	93.8	94.0	95.5	95.6	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836
STATION

K I SAWYER AFB MI
STATION NAME

9-78
YEAR

UCL
UNIT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥	≥	≥	≥	≥	≥	
NO CEILING	27.7	28.9	29.8	30.3	31.5	31.5	31.5	31.8	32.2	32.5	32.7	32.7	33.0	33.3	33.3	33.8
≥ 20000	31.0	37.3	33.2	33.9	35.2	35.2	35.2	35.5	35.8	36.1	36.3	36.3	36.7	37.0	37.0	37.4
IV 18000	31.1	32.4	33.3	34.0	35.3	35.3	35.3	35.6	35.6	36.2	36.5	36.5	36.8	37.1	37.1	37.5
IV 15000	31.3	32.6	33.5	34.2	35.6	35.6	35.6	35.9	36.2	36.6	36.8	36.8	37.2	37.5	37.5	38.0
IV 14000	31.8	33.1	34.1	34.7	36.1	36.1	36.1	36.5	36.8	37.1	37.3	37.3	37.7	38.1	38.1	38.6
IV 12000	33.1	34.5	35.5	36.1	37.5	37.5	37.5	37.8	38.2	38.5	38.8	38.8	39.2	39.6	39.6	40.2
IV 10000	36.1	37.7	38.7	39.5	40.9	40.9	40.9	41.3	41.6	41.9	42.3	42.3	42.7	43.0	43.0	43.7
IV 9000	36.3	38.2	39.1	39.9	41.4	41.4	41.4	41.8	42.2	42.5	42.8	42.8	43.2	43.5	43.5	44.2
IV 8000	37.8	39.7	40.6	41.4	42.9	42.9	42.9	43.3	43.7	44.0	44.5	44.5	44.9	45.3	45.3	45.9
IV 7000	38.6	40.5	41.5	42.4	44.0	44.0	44.0	44.4	44.7	45.1	45.7	45.7	46.1	46.5	46.5	47.1
IV 6000	40.6	42.8	43.9	44.7	46.3	46.3	46.3	46.8	47.1	47.4	48.1	48.1	48.6	48.9	48.9	49.6
IV 5000	45.1	47.4	48.7	49.6	51.4	51.5	51.8	52.3	52.6	52.9	53.5	53.5	54.1	54.4	54.4	55.1
IV 4500	46.6	48.9	50.2	51.2	53.2	53.3	53.7	54.1	54.4	54.7	55.4	55.4	55.9	56.2	56.2	56.9
IV 4000	50.0	52.9	54.3	55.3	57.5	57.6	58.0	58.4	58.8	59.1	59.8	59.8	60.3	60.6	60.6	61.3
IV 3500	51.2	54.3	55.7	56.7	59.0	59.1	59.5	60.0	60.4	60.8	61.4	61.4	61.9	62.3	62.3	62.9
IV 3000	55.3	58.9	60.8	62.0	64.6	64.7	65.1	65.6	66.0	66.3	67.0	67.0	67.6	68.0	68.0	68.6
IV 2500	57.7	61.6	63.5	64.8	67.5	67.6	68.1	68.6	69.0	69.4	70.1	70.1	70.8	71.1	71.1	71.7
IV 2000	59.1	63.1	65.1	66.5	69.1	69.2	69.8	70.3	70.8	71.1	71.8	71.8	72.5	72.8	72.9	73.5
IV 1800	59.6	63.7	65.6	67.0	69.8	69.9	70.4	71.0	71.4	71.7	72.5	72.5	73.1	73.4	73.5	74.2
IV 1500	61.2	66.0	68.2	69.7	72.8	73.0	73.7	74.2	74.6	74.9	75.7	75.7	76.3	76.7	76.8	77.4
IV 1200	62.6	68.0	70.1	71.8	75.2	75.5	76.1	76.7	77.1	77.4	78.2	78.2	78.8	79.1	79.2	79.9
IV 1000	63.4	68.9	71.1	72.9	76.2	76.6	77.2	77.7	78.2	78.5	79.2	79.2	80.0	80.3	80.4	81.1
IV 900	64.0	69.6	71.7	73.5	76.9	77.3	78.0	78.5	78.9	79.4	80.1	80.1	80.9	81.2	81.3	81.9
IV 800	64.7	70.3	72.7	74.5	78.1	78.5	79.1	79.7	80.1	80.5	81.3	81.3	82.0	82.4	82.5	83.1
IV 700	65.3	71.2	73.5	75.5	79.5	79.9	80.6	81.2	81.6	82.0	82.9	82.9	83.7	84.0	84.1	84.7
IV 600	65.5	71.7	74.2	76.3	80.5	81.1	81.8	82.4	82.8	83.2	84.1	84.1	84.9	85.3	85.4	86.0
IV 500	65.5	71.8	74.9	77.5	82.3	83.2	84.2	85.1	85.6	86.1	87.0	87.0	88.1	88.4	88.5	89.2
IV 400	65.5	71.9	75.1	77.8	82.7	83.8	85.3	86.3	86.9	87.4	88.3	88.3	89.6	89.9	90.0	90.8
IV 300	65.6	72.2	75.3	78.2	83.4	84.5	86.3	87.7	88.6	89.2	90.4	90.4	91.9	92.3	92.5	93.7
IV 200	65.6	72.2	75.3	78.3	83.7	84.8	87.1	88.7	89.9	90.9	92.9	93.0	94.9	95.4	95.9	97.4
IV 100	65.6	72.2	75.3	78.3	83.7	84.8	87.1	88.7	89.9	90.9	93.1	93.2	95.2	95.7	96.8	96.7
IV 0	65.6	72.2	75.3	78.3	83.7	84.8	87.1	88.7	89.9	90.9	93.1	93.2	95.2	95.7	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836
STATION

K I SAWYER AFB MI

69-78
YEAR

UOI

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.2	≥0.15	≥0.1	≥0
NO CEILING	25.4	27.1	27.7	28.0	28.2	28.2	28.3	28.4	28.4	28.4	28.5	28.5	28.6	28.6	28.8	28.6
≥ 20000	27.8	29.8	30.4	30.6	30.9	30.9	31.0	31.1	31.1	31.1	31.2	31.2	31.3	31.3	31.5	31.5
IV 18000	28.6	30.5	31.2	31.4	31.6	31.6	31.7	31.8	31.8	31.8	31.9	31.9	32.0	32.0	32.3	32.3
IV 16000	29.0	31.0	31.6	31.8	32.0	32.0	32.2	32.3	32.3	32.3	32.4	32.4	32.5	32.5	32.7	32.7
IV 14000	30.0	32.0	32.8	33.0	33.2	33.2	33.3	33.4	33.4	33.4	33.5	33.5	33.7	33.7	33.9	33.9
IV 12000	30.9	32.9	33.7	33.9	34.1	34.1	34.2	34.3	34.3	34.3	34.4	34.4	34.5	34.5	34.7	34.7
IV 10000	34.3	36.5	37.3	37.6	37.8	38.0	38.1	38.2	38.2	38.2	38.3	38.3	38.4	38.4	38.6	38.7
IV 9000	35.3	37.4	38.3	38.6	38.8	38.9	39.0	39.1	39.1	39.1	39.2	39.2	39.4	39.4	39.6	39.7
IV 8000	37.1	39.2	40.1	40.4	40.6	40.8	40.9	41.0	41.0	41.0	41.1	41.1	41.2	41.2	41.4	41.5
IV 7000	39.0	41.3	42.3	42.6	42.8	43.0	43.2	43.3	43.4	43.4	43.5	43.5	43.7	43.7	43.9	44.0
IV 6000	40.3	42.8	43.9	44.4	44.7	44.9	45.3	45.4	45.6	45.6	45.7	45.7	45.8	45.8	46.0	46.1
IV 5000	42.5	45.3	46.3	47.0	47.4	47.7	48.2	48.3	48.5	48.5	48.6	48.6	48.7	48.7	48.9	49.0
IV 4500	43.5	46.3	47.6	48.4	48.8	49.1	49.7	49.9	50.1	50.1	50.2	50.2	50.3	50.3	50.5	50.6
IV 4000	46.3	49.5	51.0	51.7	52.3	52.7	53.2	53.5	53.8	53.8	53.9	53.9	54.0	54.0	54.2	54.3
IV 3500	48.3	51.5	53.0	53.9	54.5	54.9	55.5	55.8	56.0	56.0	56.1	56.1	56.2	56.2	56.5	56.6
IV 3000	54.0	57.8	59.4	60.3	61.0	61.4	62.0	62.6	62.8	62.8	62.9	62.9	63.0	63.0	63.2	63.3
IV 2500	57.2	61.2	62.9	63.9	64.5	65.1	65.7	66.2	66.6	66.6	66.7	66.7	66.8	66.8	67.0	67.1
IV 2000	61.3	65.7	67.4	68.5	69.2	69.8	70.5	71.2	71.6	71.6	71.7	71.7	71.8	71.8	72.0	72.2
IV 1800	62.2	66.8	68.5	69.6	70.3	70.9	71.5	72.3	72.7	72.7	72.8	72.8	72.9	72.9	73.1	73.2
IV 1500	64.0	69.1	71.3	72.6	73.4	74.1	74.8	75.6	76.0	76.0	76.2	76.2	76.3	76.3	76.6	76.7
IV 1200	65.2	70.8	73.0	74.3	75.2	75.8	76.8	77.5	78.1	78.1	78.3	78.3	78.4	78.4	78.6	78.7
IV 1000	66.2	71.9	74.3	75.7	76.6	77.2	78.5	79.2	79.8	79.8	80.1	80.1	80.2	80.2	80.4	80.5
IV 900	66.8	73.0	75.4	76.8	77.7	78.4	79.7	80.4	81.0	81.1	81.5	81.5	81.6	81.6	81.8	81.9
IV 800	67.3	74.2	76.7	78.1	79.2	80.0	81.5	82.5	83.0	83.1	83.5	83.5	83.7	83.7	83.9	84.0
IV 700	67.6	75.1	77.7	79.2	80.8	81.5	83.2	84.4	84.9	85.1	85.5	85.5	85.6	85.6	85.8	85.9
IV 600	68.3	76.6	79.5	81.0	82.6	83.4	85.2	86.3	87.0	87.1	87.5	87.5	87.6	87.6	87.8	88.0
IV 500	68.5	77.0	79.9	81.5	83.4	84.4	86.5	87.8	88.6	89.0	89.6	89.6	89.7	89.7	89.9	90.0
IV 400	68.5	77.2	80.3	82.4	84.7	86.0	88.8	90.4	91.2	91.9	92.6	92.6	92.8	92.8	93.0	93.1
IV 300	68.5	77.3	80.4	82.6	85.5	86.9	90.1	91.8	92.8	93.7	94.5	94.6	94.9	95.1	95.3	95.5
IV 200	68.5	77.3	80.4	82.6	85.6	87.0	90.2	92.2	93.1	94.0	95.8	95.9	96.6	97.4	98.0	98.6
IV 100	68.5	77.3	80.4	82.6	85.6	87.0	90.2	92.2	93.1	94.0	95.8	95.9	96.7	97.5	98.1	99.8
IV 0	68.5	77.3	80.4	82.6	85.6	87.0	90.2	92.2	93.1	94.0	95.8	95.9	96.7	97.5	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-78

UCT

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	29.2	29.8	29.8	30.0	30.0	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥ 20000	34.3	34.9	34.9	35.3	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
IV 18000	34.9	35.6	35.6	35.9	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
IV 16000	35.3	35.9	35.9	36.2	36.2	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
IV 14000	36.2	36.9	36.9	37.2	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
IV 12000	37.5	38.2	38.2	38.5	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
IV 10000	40.0	40.8	40.8	41.1	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
IV 9000	40.6	41.4	41.4	41.7	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 8000	41.3	42.2	42.2	42.5	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
IV 7000	42.6	43.5	43.5	43.9	43.9	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
IV 6000	43.1	44.1	44.2	44.5	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
IV 5000	45.3	46.6	46.8	47.1	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 4500	46.3	47.7	48.0	48.3	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 4000	49.6	51.3	51.5	51.9	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 3500	52.6	54.4	54.6	55.3	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 3000	59.5	61.6	62.0	62.7	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
IV 2500	65.4	67.7	68.2	68.8	68.9	69.2	69.4	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7
IV 2000	70.2	72.9	73.3	74.0	74.3	74.6	74.8	74.9	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 1800	71.0	74.0	74.4	75.1	75.5	75.8	76.0	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
IV 1500	73.7	78.5	79.2	80.0	80.6	81.0	81.3	81.4	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1000	75.7	81.2	82.3	83.1	83.9	84.2	84.5	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IV 800	76.1	82.4	83.9	84.9	86.1	86.6	86.9	87.0	87.1	87.2	87.2	87.3	87.3	87.3	87.3	87.3
IV 700	76.8	83.2	84.9	86.2	87.4	87.8	88.2	88.3	88.4	88.5	88.5	88.6	88.6	88.6	88.6	88.6
IV 600	77.5	84.3	86.1	87.4	88.8	89.2	89.7	89.9	90.0	90.1	90.1	90.2	90.2	90.2	90.2	90.2
IV 500	77.8	84.7	86.7	88.1	89.7	90.2	90.8	91.1	91.2	91.4	91.4	91.6	91.6	91.6	91.6	91.6
IV 400	78.0	85.4	87.3	88.7	90.4	91.3	91.9	92.3	92.4	92.6	92.7	92.9	92.9	92.9	92.9	92.9
IV 300	78.3	85.9	87.8	89.5	91.9	92.9	94.1	94.4	94.7	94.9	95.1	95.3	95.3	95.3	95.4	95.4
IV 200	78.3	86.1	88.2	89.9	92.6	93.8	95.4	95.7	96.0	96.2	96.5	96.7	96.7	96.7	96.8	96.8
IV 100	78.3	86.1	88.2	90.0	92.8	94.0	95.9	96.6	97.0	97.2	97.5	97.8	98.0	98.0	98.1	98.1
IV 0	78.3	86.1	88.2	90.0	92.8	94.0	96.0	96.9	97.4	97.8	98.5	99.0	99.7	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

69-78

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0	
NO CEILING ≥ 20000	35.6	36.3	36.3	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
IV 18000	41.2	42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
IV 16000	41.3	42.6	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
IV 14000	42.5	43.8	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 12000	44.3	45.7	45.7	45.7	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
IV 10000	47.3	48.7	48.7	48.7	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
IV 9000	47.8	49.2	49.2	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 8000	50.1	51.6	51.6	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
IV 7000	51.0	52.5	52.5	52.5	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
IV 6000	51.8	53.3	53.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
IV 5000	53.6	55.1	55.2	55.2	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 4500	54.3	55.9	56.0	56.0	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
IV 4000	57.4	59.2	59.3	59.3	59.6	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 3500	59.6	61.5	61.6	61.6	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
IV 3000	66.1	68.5	68.6	68.6	69.2	69.2	69.3	69.3	69.3	69.3	69.4	69.4	69.4	69.4	69.4	69.4
IV 2500	71.9	74.5	74.6	74.6	75.3	75.3	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7
IV 2000	75.9	78.8	79.0	79.1	79.9	79.9	80.2	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3
IV 1800	76.5	79.9	80.2	80.3	81.1	81.1	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5
IV 1500	78.8	82.9	83.4	83.5	84.3	84.3	84.6	84.7	84.8	84.9	85.0	85.0	85.0	85.0	85.0	85.0
IV 1200	80.3	84.9	85.5	85.6	86.7	86.7	87.0	87.1	87.2	87.4	87.5	87.5	87.5	87.5	87.5	87.5
IV 1000	80.9	85.8	86.5	86.8	88.2	88.3	88.7	88.8	88.9	89.1	89.2	89.2	89.2	89.2	89.2	89.2
IV 900	81.4	86.4	87.2	87.5	89.0	89.0	89.5	89.6	89.7	89.9	90.0	90.0	90.0	90.0	90.0	90.0
IV 800	81.8	87.0	87.8	88.6	90.1	90.2	90.7	91.1	91.2	91.4	91.5	91.5	91.5	91.5	91.5	91.5
IV 700	82.0	87.6	88.7	89.7	91.4	91.6	92.1	92.7	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1
IV 600	82.1	88.1	89.1	90.4	92.1	92.4	92.9	93.5	93.6	93.9	94.1	94.2	94.2	94.2	94.2	94.2
IV 500	82.2	88.5	89.7	91.0	93.3	93.5	94.3	95.3	95.4	95.6	96.0	96.1	96.2	96.2	96.2	96.2
IV 400	82.2	88.5	89.7	91.1	93.6	93.9	94.8	96.2	96.6	96.9	97.5	97.6	97.7	97.7	97.7	97.7
IV 300	82.2	88.5	89.7	91.1	93.9	94.3	95.4	96.8	97.2	97.5	98.2	98.4	98.5	98.5	98.5	98.5
IV 200	82.2	88.5	89.7	91.1	94.0	94.4	95.5	96.9	97.4	97.8	98.7	98.9	99.4	99.5	99.6	99.6
IV 100	82.2	88.6	89.8	91.2	94.1	94.5	95.6	97.0	97.5	98.0	98.8	99.0	99.5	99.6	99.8	100.0
IV 0	82.2	88.6	89.8	91.2	94.1	94.5	95.6	97.0	97.5	98.0	98.8	99.0	99.5	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836
STATION

K I SAWYER AFB MI
STATION NAME

69-78
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000
MO. 15-11.2

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING	36.8	37.8	38.0	38.2	38.6	38.6	38.6	38.6	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
IV 20000	42.7	44.2	44.8	45.1	45.6	45.6	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 18000	43.2	44.7	45.2	45.5	46.1	46.1	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
IV 16000	43.3	44.9	45.4	45.7	46.3	46.3	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
IV 14000	44.3	46.0	46.5	46.8	47.4	47.4	47.4	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IV 12000	45.6	47.5	48.0	48.3	48.9	48.9	48.9	49.0	49.1	49.1	49.1	49.1	49.2	49.2	49.2	49.2
IV 10000	48.4	50.6	51.1	51.5	52.0	52.0	52.0	52.1	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.3
IV 9000	48.5	50.7	51.2	51.6	52.1	52.1	52.1	52.2	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4
IV 8000	51.2	53.9	54.5	54.9	55.5	55.5	55.8	55.9	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1
IV 7000	53.0	56.2	56.7	57.2	57.8	57.8	58.0	58.1	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3
IV 6000	54.1	57.5	58.0	58.4	59.1	59.1	59.3	59.4	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6
IV 5000	56.2	59.5	60.2	60.6	61.2	61.2	61.6	61.7	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9
IV 4500	57.5	60.8	61.5	61.9	62.5	62.5	63.0	63.1	63.2	63.2	63.2	63.2	63.3	63.3	63.3	63.3
IV 4000	60.1	63.4	64.0	64.5	65.2	65.2	65.7	65.8	65.9	65.9	65.9	65.9	66.0	66.0	66.0	66.0
IV 3500	61.6	64.9	65.6	66.0	66.7	66.7	67.2	67.3	67.4	67.4	67.4	67.4	67.5	67.5	67.5	67.5
IV 3000	64.7	68.1	69.0	69.4	70.3	70.3	70.8	70.9	71.0	71.0	71.0	71.0	71.2	71.2	71.2	71.2
IV 2500	70.2	74.3	75.1	75.8	76.7	76.7	77.3	77.4	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6
IV 2000	72.7	77.7	78.8	79.4	80.4	80.4	80.9	81.1	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3
IV 1800	73.5	78.7	79.8	80.4	81.5	81.5	82.0	82.1	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3
IV 1500	74.8	80.4	81.5	82.3	83.6	83.6	84.4	84.5	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7
IV 1200	76.1	82.2	83.6	84.6	86.0	86.1	86.9	87.0	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2
IV 1000	76.4	83.1	84.7	85.7	87.1	87.2	88.1	88.2	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4
IV 900	76.5	83.5	85.4	86.3	87.7	87.8	88.7	88.8	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0
IV 800	77.2	84.3	86.1	87.1	88.6	88.7	89.6	90.2	90.3	90.4	90.4	90.4	90.5	90.5	90.5	90.5
IV 700	77.3	84.4	86.3	87.4	89.1	89.2	90.6	91.3	91.4	91.6	91.6	91.6	91.8	91.8	91.8	91.8
IV 600	77.4	84.7	86.7	87.9	89.7	89.8	91.2	91.9	92.0	92.2	92.2	92.2	92.5	92.5	92.5	92.5
IV 500	77.6	85.0	87.1	88.4	90.7	91.0	92.6	93.5	93.6	94.0	94.0	94.0	94.3	94.3	94.3	94.4
IV 400	77.6	85.1	87.3	88.9	91.4	91.6	93.4	94.6	94.9	95.4	95.4	95.6	95.9	95.9	95.9	96.0
IV 300	77.6	85.1	87.3	88.9	91.4	91.8	93.8	95.3	95.7	96.1	96.4	96.8	97.1	97.1	97.1	97.2
IV 200	77.6	85.1	87.3	88.9	91.4	91.8	93.9	95.6	96.1	96.7	97.0	97.4	98.4	98.5	98.6	99.9
IV 100	77.6	85.1	87.3	88.9	91.4	91.8	93.9	95.6	96.1	96.7	97.0	97.4	98.4	98.5	98.6	99.9
IV 0	77.6	85.1	87.3	88.9	91.4	91.8	93.9	95.6	96.1	96.7	97.0	97.4	98.4	98.5	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835

K I SAWYER AFB MI

1975

UCI

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING ≥ 20000	37.4	38.4	38.9	39.2	39.7	40.0	40.1	40.3	40.4	40.4	40.5	40.5	40.5	40.5	40.6	40.6
IV 18000	41.1	42.2	42.7	43.2	43.7	44.0	44.1	44.3	44.4	44.4	44.5	44.5	44.5	44.5	44.6	44.6
IV 16000	41.6	42.7	43.3	44.0	44.4	44.7	44.8	45.1	45.2	45.2	45.3	45.3	45.3	45.3	45.4	45.4
IV 14000	42.0	43.1	43.8	44.4	44.8	45.2	45.3	45.5	45.6	45.6	45.7	45.7	45.7	45.7	45.8	45.8
IV 12000	43.0	44.1	44.7	45.4	45.8	46.1	46.2	46.5	46.6	46.6	46.7	46.7	46.7	46.7	46.8	46.8
IV 10000	43.5	44.7	45.4	46.0	46.8	47.1	47.2	47.4	47.5	47.5	47.6	47.6	47.6	47.6	47.7	47.7
IV 9000	45.6	47.3	48.1	48.7	49.8	50.1	50.2	50.4	50.5	50.5	50.6	50.6	50.6	50.6	50.8	50.8
IV 8000	46.2	48.0	48.8	49.5	50.5	50.9	51.0	51.2	51.3	51.3	51.4	51.4	51.4	51.4	51.5	51.5
IV 7000	48.0	49.9	50.8	51.4	52.5	52.8	52.9	53.1	53.2	53.2	53.3	53.3	53.3	53.3	53.4	53.4
IV 6000	49.6	51.9	52.8	53.4	54.5	54.8	54.9	55.2	55.3	55.3	55.4	55.4	55.4	55.4	55.5	55.5
IV 5000	51.0	53.7	54.6	55.3	56.3	56.7	56.8	57.0	57.1	57.1	57.2	57.2	57.2	57.2	57.3	57.3
IV 4500	54.7	57.7	58.7	59.4	60.5	60.9	61.0	61.3	61.4	61.4	61.5	61.5	61.5	61.5	61.6	61.6
IV 4000	55.8	58.8	59.8	60.4	61.6	61.9	62.0	62.5	62.6	62.6	62.7	62.7	62.7	62.7	62.8	62.8
IV 3500	59.4	62.6	63.5	64.3	65.7	66.0	66.2	66.7	66.8	66.8	66.9	66.9	66.9	66.9	67.0	67.0
IV 3000	60.6	63.9	64.8	65.6	67.0	67.3	67.5	68.0	68.1	68.1	68.2	68.2	68.2	68.2	68.3	68.3
IV 2500	63.1	66.5	67.8	68.7	70.4	70.8	71.0	71.4	71.5	71.6	71.7	71.7	71.7	71.7	71.8	71.8
IV 2000	65.7	69.0	70.4	71.3	73.0	73.3	73.7	74.1	74.2	74.3	74.4	74.4	74.4	74.4	74.5	74.5
IV 1800	67.7	71.7	73.4	74.3	76.0	76.3	76.8	77.2	77.3	77.4	77.5	77.5	77.5	77.5	77.6	77.6
IV 1500	68.0	71.9	73.7	74.5	76.3	76.7	77.1	77.5	77.6	77.7	77.8	77.8	77.8	77.8	78.0	78.0
IV 1200	70.0	74.4	76.5	77.5	79.7	80.1	80.5	81.0	81.1	81.2	81.3	81.3	81.3	81.3	81.4	81.4
IV 1000	70.8	75.4	77.5	78.6	80.8	81.2	81.6	82.2	82.3	82.4	82.5	82.5	82.5	82.5	82.6	82.6
IV 900	71.3	76.2	78.5	79.9	82.3	82.7	83.2	83.8	83.9	84.0	84.2	84.2	84.2	84.2	84.3	84.3
IV 800	71.8	77.0	79.4	80.8	83.3	83.8	84.3	84.8	85.1	85.3	85.5	85.5	85.5	85.5	85.6	85.6
IV 700	72.5	77.7	80.2	81.6	84.5	84.9	85.7	86.2	86.5	86.7	87.0	87.0	87.1	87.1	87.2	87.2
IV 600	72.5	77.8	80.5	82.0	85.4	85.8	86.9	87.7	88.0	88.3	88.6	88.6	88.7	88.7	88.8	88.8
IV 500	72.5	78.1	80.9	82.5	86.3	86.8	87.8	88.7	88.9	89.2	89.6	89.6	89.7	89.7	89.8	89.8
IV 400	72.6	78.2	81.1	82.8	87.0	87.5	89.0	90.2	90.4	90.9	91.4	91.4	91.5	91.5	91.6	91.7
IV 300	72.6	78.6	81.5	83.2	87.7	88.4	90.0	91.5	91.9	92.6	93.1	93.1	93.2	93.2	93.3	93.4
IV 200	72.6	78.7	81.6	83.3	87.8	88.7	91.3	93.3	94.1	94.8	95.5	95.6	95.7	95.7	95.9	96.0
IV 100	72.6	78.7	81.6	83.3	87.8	88.7	91.5	93.5	94.4	95.4	96.5	96.6	96.9	96.9	97.4	97.7
IV 0	72.6	78.7	81.6	83.3	87.8	88.9	91.7	93.8	94.6	95.7	96.9	97.1	97.4	97.5	98.6	100.0
	72.6	78.7	81.6	83.3	87.8	88.9	91.7	93.8	94.6	95.7	96.9	97.1	97.4	97.5	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

09-78

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ 0	
NO CEILING	33.4	34.3	34.7	35.0	35.6	35.6	35.7	35.8	35.9	35.9	36.0	36.0	36.2	36.3	36.4	36.5
≥ 20000	37.5	38.6	39.1	39.5	40.1	40.2	40.2	40.3	40.4	40.4	40.6	40.6	40.7	40.8	40.9	41.1
IV 18000	38.0	39.1	39.6	40.0	40.6	40.7	40.7	40.8	40.9	41.0	41.1	41.1	41.2	41.3	41.3	41.4
IV 16000	38.2	39.3	39.9	40.3	40.8	40.9	41.0	41.1	41.1	41.2	41.3	41.3	41.5	41.5	41.7	41.8
IV 14000	39.0	40.2	40.8	41.2	41.8	41.8	41.9	42.0	42.1	42.1	42.3	42.3	42.4	42.5	42.6	42.8
IV 12000	40.2	41.5	42.0	42.5	43.1	43.2	43.3	43.4	43.5	43.5	43.6	43.6	43.8	43.9	44.0	44.2
IV 10000	42.8	44.4	45.0	45.4	46.1	46.3	46.3	46.4	46.5	46.6	46.7	46.7	46.9	47.0	47.1	47.3
IV 9000	43.2	45.0	45.6	46.0	46.8	46.9	46.9	47.1	47.2	47.2	47.4	47.4	47.6	47.6	47.8	48.0
IV 8000	44.8	46.7	47.3	47.7	48.5	48.6	48.7	48.8	48.9	49.0	49.2	49.2	49.4	49.4	49.6	49.8
IV 7000	46.1	48.2	48.8	49.2	50.0	50.2	50.3	50.4	50.5	50.6	50.7	50.7	51.0	51.0	51.1	51.4
IV 6000	47.5	49.7	50.4	50.9	51.7	51.8	51.9	52.0	52.2	52.2	52.4	52.4	52.6	52.7	52.8	53.0
IV 5000	50.4	52.8	53.5	54.1	55.0	55.2	55.4	55.5	55.7	55.7	55.9	55.9	56.1	56.2	56.3	56.5
IV 4500	51.6	54.1	54.9	55.4	56.4	56.6	56.8	57.0	57.1	57.2	57.4	57.4	57.6	57.6	57.8	58.0
IV 4000	54.9	57.7	58.6	59.2	60.3	60.5	60.8	61.0	61.1	61.2	61.4	61.4	61.6	61.7	61.8	62.0
IV 3500	56.7	59.6	60.5	61.2	62.3	62.5	62.8	63.0	63.2	63.2	63.4	63.4	63.7	63.7	63.8	64.1
IV 3000	61.2	64.4	65.5	66.2	67.6	67.8	68.1	68.3	68.5	68.6	68.8	68.8	69.0	69.1	69.2	69.4
IV 2500	64.8	68.3	69.4	70.1	71.5	71.7	72.1	72.3	72.5	72.6	72.8	72.8	73.1	73.1	73.3	73.5
IV 2000	67.6	71.5	72.7	73.6	75.0	75.2	75.7	75.9	76.1	76.3	76.5	76.5	76.7	76.8	76.9	77.1
IV 1800	68.1	72.2	73.5	74.3	75.8	76.1	76.5	76.8	77.0	77.1	77.3	77.3	77.5	77.6	77.7	78.0
IV 1500	69.8	74.6	76.1	77.0	78.8	79.1	79.6	80.0	80.2	80.4	80.6	80.6	80.8	80.9	81.0	81.3
IV 1200	71.0	76.3	77.9	79.0	80.8	81.2	81.7	82.1	82.4	82.5	82.7	82.7	83.0	83.0	83.2	83.4
IV 1000	71.6	77.1	79.0	80.1	82.1	82.5	82.2	83.6	83.8	84.0	84.3	84.3	84.6	84.6	84.8	85.0
IV 900	72.0	77.8	79.7	80.9	83.0	83.4	84.0	84.4	84.7	84.9	85.2	85.2	85.5	85.5	85.7	85.9
IV 800	72.6	78.5	80.7	81.9	84.1	84.6	85.3	85.8	86.1	86.3	86.6	86.6	86.9	87.0	87.1	87.3
IV 700	72.8	79.0	81.2	82.5	85.0	85.5	86.4	87.1	87.4	87.7	88.0	88.1	88.4	88.4	88.6	88.8
IV 600	73.1	79.5	81.9	83.3	86.0	86.6	87.6	88.2	88.5	88.9	89.2	89.3	89.6	89.7	89.8	90.1
IV 500	73.2	79.8	82.3	84.0	87.2	88.0	89.2	90.1	90.5	90.9	91.3	91.4	91.8	91.8	92.0	92.3
IV 400	73.2	80.0	82.5	84.3	87.9	88.8	90.4	91.6	92.1	92.7	93.2	93.2	93.7	93.7	93.9	94.2
IV 300	73.2	80.0	82.6	84.5	88.2	89.2	91.2	92.8	93.5	94.1	94.7	94.9	95.4	95.5	95.8	96.1
IV 200	73.2	80.0	82.6	84.5	88.3	89.4	91.5	93.3	94.1	94.9	95.9	96.2	97.1	97.3	97.8	98.2
IV 100	73.2	80.1	82.6	84.5	88.3	89.4	91.6	93.3	94.2	94.9	96.0	96.3	97.3	97.6	98.3	99.9
IV 0	73.2	80.1	82.6	84.5	88.3	89.4	91.6	93.3	94.2	94.9	96.0	96.3	97.3	97.6	98.3	100.0

TOTAL NUMBER OF OBSERVATIONS 7437

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

6-9-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	28.0	29.3	30.2	30.2	30.6	30.6	30.7	30.7	30.8	30.8	30.9	30.9	31.2	31.2	31.2	31.4
≥20000	29.9	31.2	32.1	32.1	32.4	32.4	32.6	32.6	32.7	32.7	32.9	32.9	33.2	33.2	33.2	33.4
IV 18000	30.0	31.3	32.2	32.2	32.6	32.6	32.7	32.7	32.8	32.8	33.0	33.0	33.3	33.3	33.3	33.6
IV 16000	30.1	31.4	32.3	32.3	32.7	32.7	32.8	32.8	32.9	32.9	33.1	33.1	33.4	33.4	33.4	33.7
IV 14000	30.1	31.4	32.3	32.3	32.7	32.7	32.8	32.8	32.9	32.9	33.1	33.1	33.4	33.4	33.4	33.7
IV 12000	31.4	32.8	33.7	33.7	34.0	34.0	34.1	34.1	34.2	34.2	34.4	34.4	34.8	34.8	34.8	35.0
IV 10000	32.1	33.4	34.3	34.3	34.7	34.7	34.8	34.8	34.9	34.9	35.1	35.1	35.4	35.4	35.4	35.7
IV 9000	32.3	33.7	34.6	34.6	34.9	34.9	35.0	35.0	35.1	35.1	35.3	35.3	35.7	35.7	35.7	35.9
IV 8000	33.8	35.2	36.1	36.2	36.7	36.7	36.8	36.8	36.9	36.9	37.1	37.1	37.4	37.4	37.4	37.7
IV 7000	34.8	36.2	37.1	37.2	37.7	37.7	37.8	37.8	37.9	37.9	38.1	38.1	38.4	38.4	38.4	38.7
IV 6000	35.6	37.1	38.0	38.1	39.0	39.0	39.1	39.1	39.2	39.2	39.4	39.4	39.8	39.8	39.8	40.0
IV 5000	38.6	40.3	41.3	41.4	42.4	42.4	42.6	42.6	42.7	42.7	42.9	42.9	43.2	43.2	43.2	43.4
IV 4500	40.7	42.6	43.7	43.8	44.8	44.8	44.9	44.9	45.0	45.0	45.2	45.2	45.6	45.6	45.6	45.8
IV 4000	43.3	45.8	46.9	47.0	48.3	48.3	48.4	48.4	48.6	48.6	48.8	48.8	49.1	49.1	49.1	49.3
IV 3500	44.7	47.1	48.2	48.4	49.8	49.8	49.9	50.0	50.1	50.1	50.3	50.3	50.7	50.7	50.7	50.9
IV 3000	49.2	51.9	53.1	53.6	55.6	55.6	55.8	55.9	56.1	56.1	56.3	56.3	56.7	56.7	56.7	56.9
IV 2500	53.8	56.9	58.4	59.3	61.8	61.9	62.1	62.2	62.4	62.4	62.7	62.7	63.0	63.0	63.0	63.2
IV 2000	58.0	61.3	63.2	64.2	66.8	67.1	68.1	68.2	68.4	68.4	68.7	68.7	69.0	69.0	69.0	69.2
IV 1800	59.2	62.7	64.6	65.6	68.1	68.4	69.4	69.6	69.8	69.8	70.0	70.0	70.3	70.3	70.3	70.6
IV 1500	62.6	66.6	68.8	69.9	72.7	73.0	74.3	74.7	74.9	74.9	75.2	75.2	75.6	75.6	75.6	75.8
IV 1200	64.4	68.6	70.9	72.3	75.6	75.9	77.7	78.0	78.3	78.6	78.9	78.9	79.2	79.2	79.2	79.4
IV 1000	65.1	69.6	71.9	73.8	77.4	77.8	79.7	80.1	80.9	81.1	81.4	81.4	81.8	81.8	81.8	82.0
IV 900	65.7	70.1	72.6	74.4	78.2	78.6	80.4	80.9	81.7	82.1	82.4	82.4	82.8	82.8	82.8	83.0
IV 800	66.0	70.7	73.1	75.0	79.2	79.6	81.4	82.3	83.2	83.7	84.3	84.3	84.7	84.7	84.7	84.9
IV 700	66.3	71.2	73.7	75.6	80.0	80.4	82.4	83.3	84.2	84.8	85.6	85.6	85.9	85.9	85.9	86.1
IV 600	66.4	71.6	74.2	76.2	80.8	81.4	83.7	84.7	85.6	86.4	87.2	87.2	87.7	87.7	87.7	87.9
IV 500	66.7	72.2	75.0	77.0	81.7	82.7	85.2	86.3	87.2	88.3	89.1	89.1	89.9	89.9	90.0	90.2
IV 400	66.8	72.3	75.2	77.2	82.1	83.3	86.3	87.4	88.4	89.6	90.3	90.3	91.1	91.3	91.4	91.7
IV 300	66.8	72.3	75.2	77.7	82.7	84.0	87.4	89.1	90.3	91.9	93.2	93.2	94.3	94.6	94.7	95.2
IV 200	66.8	72.3	75.2	77.7	82.7	84.0	87.6	89.2	90.9	92.8	94.4	94.6	96.1	96.4	96.6	97.1
IV 100	66.8	72.3	75.2	77.7	82.7	84.0	87.6	89.3	91.0	93.1	94.9	95.0	97.1	97.7	98.0	99.3
IV 0	66.8	72.3	75.2	77.7	82.7	84.0	87.6	89.3	91.0	93.1	95.0	95.1	97.2	97.8	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAHYER AFB MI

09-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	28.6	29.2	30.1	30.4	30.7	30.7	30.8	31.1	31.1	31.2	31.4	31.4	31.7	31.7	31.8	31.8
IV 20000	29.1	29.8	30.7	31.0	31.2	31.2	31.3	31.7	31.7	31.8	32.0	32.0	32.2	32.2	32.3	32.3
IV 18000	29.1	29.8	30.7	31.0	31.2	31.2	31.3	31.7	31.7	31.8	32.0	32.0	32.2	32.2	32.3	32.3
IV 16000	29.3	30.0	30.9	31.2	31.4	31.4	31.6	31.9	31.9	32.0	32.2	32.2	32.4	32.4	32.5	32.6
IV 14000	30.0	30.7	31.6	31.9	32.1	32.1	32.2	32.6	32.6	32.7	32.9	32.9	33.1	33.1	33.2	33.2
IV 12000	31.8	32.4	33.3	33.7	33.9	33.9	34.0	34.3	34.3	34.4	34.7	34.7	34.9	34.9	35.0	35.0
IV 10000	32.7	33.3	34.3	34.7	34.9	34.9	35.0	35.3	35.3	35.4	35.7	35.7	35.9	35.9	36.0	36.0
IV 9000	32.9	33.6	34.6	34.9	35.1	35.1	35.2	35.6	35.6	35.7	35.9	35.9	36.1	36.1	36.2	36.2
IV 8000	34.2	34.9	35.9	36.2	36.4	36.4	36.6	36.9	36.9	37.0	37.2	37.2	37.4	37.4	37.6	37.6
IV 7000	35.0	35.7	36.7	37.0	37.2	37.2	37.3	37.7	37.7	37.8	38.0	38.0	38.2	38.2	38.3	38.3
IV 6000	35.6	36.4	37.4	37.8	38.1	38.1	38.2	38.6	38.6	38.7	38.9	38.9	39.1	39.1	39.2	39.2
IV 5000	38.4	39.3	40.3	40.7	41.0	41.1	41.2	41.6	41.6	41.7	41.9	41.9	42.1	42.1	42.2	42.2
IV 4500	40.6	41.4	42.4	42.8	43.1	43.2	43.3	43.7	43.7	43.8	44.0	44.0	44.2	44.2	44.3	44.3
IV 4000	44.8	46.0	47.2	47.7	48.4	48.6	48.9	49.2	49.2	49.3	49.6	49.6	49.8	49.8	49.9	49.9
IV 3500	46.0	47.2	48.4	49.0	50.0	50.1	50.6	51.0	51.0	51.1	51.3	51.3	51.6	51.6	51.7	51.7
IV 3000	49.0	50.4	51.7	52.4	53.7	53.8	54.6	55.0	55.0	55.2	55.4	55.4	55.7	55.7	55.8	55.8
IV 2500	52.8	54.6	56.2	57.2	58.6	58.7	59.7	60.6	60.7	60.9	61.1	61.1	61.3	61.3	61.4	61.4
IV 2000	57.7	60.1	61.8	63.0	65.0	65.2	66.4	67.4	67.7	67.9	68.1	68.1	68.4	68.4	68.6	68.6
IV 1800	59.4	62.0	63.7	64.9	67.1	67.3	68.6	69.6	69.8	70.0	70.2	70.2	70.6	70.6	70.7	70.7
IV 1500	63.2	66.1	67.8	69.0	71.4	71.7	73.2	74.3	74.6	74.8	75.0	75.1	75.3	75.3	75.4	75.4
IV 1200	65.2	68.4	70.2	71.8	74.6	74.8	76.6	77.8	78.2	78.4	78.7	78.7	79.0	79.0	79.1	79.1
IV 1000	65.9	69.2	71.0	72.7	75.7	75.9	77.9	79.3	80.2	80.7	80.9	80.9	81.2	81.2	81.3	81.3
IV 900	66.1	69.6	71.3	73.0	76.2	76.4	78.6	80.2	81.2	81.7	82.0	82.0	82.3	82.3	82.4	82.4
IV 800	66.3	69.9	71.7	73.4	76.9	77.1	79.3	81.3	82.3	82.8	83.1	83.1	83.6	83.6	83.8	83.8
IV 700	66.7	70.4	72.2	74.0	78.1	78.3	80.6	82.6	83.6	84.0	84.2	84.3	84.8	84.8	85.1	85.1
IV 600	66.8	71.0	73.1	75.0	79.6	79.8	82.1	84.2	85.3	86.0	86.3	86.3	86.8	86.8	87.1	87.1
IV 500	66.9	71.4	73.7	75.7	80.8	81.3	83.8	86.1	87.3	88.3	88.8	88.8	89.6	89.6	89.9	89.9
IV 400	66.9	71.4	73.8	75.9	81.7	82.3	85.2	87.9	89.1	90.1	90.7	90.7	91.4	91.4	91.8	91.8
IV 300	66.9	71.4	73.8	75.9	81.7	82.6	85.8	89.1	90.6	91.7	92.7	92.7	93.7	93.7	94.1	94.4
IV 200	66.9	71.4	73.8	75.9	81.7	82.6	86.0	89.3	91.2	92.9	94.2	94.3	96.0	96.0	96.8	97.1
IV 100	66.9	71.4	73.8	75.9	81.7	82.6	86.0	89.3	91.2	92.9	94.2	94.3	96.9	96.9	97.0	98.4
IV 0	66.9	71.4	73.8	75.9	81.7	82.6	86.0	89.3	91.2	92.9	94.2	94.3	96.9	96.9	97.0	98.4

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
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K I SAWYER AFB MI

09-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0600-0600

CEILING FEET	VISIBILITY STATUTE MILES															
	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	26.4	26.9	27.3	27.7	28.4	28.7	28.9	29.1	29.2	29.4	29.4	29.6	29.6	29.7	29.7	
≥ 2000	27.3	27.8	28.2	28.5	29.3	29.6	29.6	29.8	30.0	30.1	30.3	30.3	30.4	30.4	30.6	
≥ 1800	27.4	27.8	28.3	28.7	29.4	29.7	29.7	29.9	30.1	30.2	30.4	30.4	30.6	30.6	30.7	
≥ 1600	27.4	27.9	28.3	28.7	29.4	29.7	29.7	29.9	30.1	30.2	30.4	30.4	30.6	30.6	30.7	
≥ 1400	27.6	28.0	28.4	28.8	29.6	29.8	29.8	30.0	30.2	30.3	30.6	30.6	30.7	30.7	30.8	
≥ 1200	28.9	29.5	29.8	30.1	30.9	31.1	31.1	31.3	31.6	31.7	31.9	31.9	32.0	32.0	32.1	
≥ 1000	30.0	30.4	30.9	31.2	32.0	32.2	32.2	32.4	32.7	32.8	33.0	33.0	33.1	33.1	33.2	
≥ 900	30.4	31.0	31.4	31.8	32.6	32.8	32.8	33.0	33.2	33.3	33.6	33.6	33.7	33.7	33.8	
≥ 800	31.3	32.3	32.8	33.1	33.9	34.1	34.1	34.3	34.6	34.7	34.9	34.9	35.0	35.0	35.1	
≥ 700	32.4	33.0	33.4	33.8	34.6	34.8	34.8	35.0	35.2	35.3	35.6	35.6	35.7	35.7	35.8	
≥ 600	33.1	33.7	34.1	34.4	35.2	35.4	35.4	35.7	35.9	36.0	36.2	36.2	36.4	36.4	36.6	
≥ 500	35.8	36.7	37.2	37.8	38.9	39.1	39.1	39.3	39.6	39.7	39.9	39.9	40.1	40.1	40.2	
≥ 450	37.0	38.1	38.7	39.2	40.3	40.6	40.6	40.8	41.0	41.1	41.3	41.3	41.6	41.6	41.7	
≥ 400	40.2	41.8	42.3	42.9	44.2	44.4	45.0	45.2	45.4	45.6	45.8	45.8	46.0	46.0	46.1	
≥ 350	42.0	43.6	44.1	44.8	46.1	46.3	46.9	47.4	47.7	47.8	48.0	48.0	48.2	48.2	48.3	
≥ 300	44.4	46.2	46.9	47.8	49.2	49.4	50.2	51.0	51.2	51.3	51.6	51.6	51.8	51.8	51.9	
≥ 250	49.6	51.6	52.3	53.3	54.9	55.1	56.2	57.1	57.4	57.7	58.1	58.1	58.3	58.3	58.4	
≥ 200	55.2	57.7	58.7	59.8	61.4	61.7	63.0	63.9	64.2	64.4	64.9	64.9	65.2	65.2	65.3	
≥ 1800	56.8	59.2	60.2	61.3	63.0	63.2	64.8	65.7	66.0	66.2	66.7	66.7	67.0	67.0	67.1	
≥ 1500	61.6	64.3	65.4	66.7	68.8	69.2	70.8	72.0	72.4	72.7	73.1	73.1	73.4	73.4	73.6	
≥ 1000	63.6	66.6	67.7	69.0	72.3	72.9	74.6	75.9	76.3	76.6	77.0	77.0	77.4	77.4	77.6	
≥ 900	64.3	67.4	68.6	69.9	73.3	73.9	75.8	77.1	78.0	78.3	78.8	78.8	79.2	79.2	79.3	
≥ 800	64.8	68.1	69.2	70.6	74.0	74.6	76.6	77.9	79.9	79.3	79.9	79.9	80.4	80.4	80.6	
≥ 700	64.9	68.3	69.7	71.0	74.7	75.2	77.3	78.7	79.8	80.3	80.9	81.0	81.7	81.7	81.8	
≥ 600	65.0	68.7	70.0	71.6	75.6	76.1	78.6	80.0	81.3	81.9	82.4	82.6	83.2	83.2	83.3	
≥ 500	65.0	68.7	70.3	72.0	76.7	77.2	79.8	81.6	82.9	83.6	84.2	84.3	85.0	85.0	85.1	
≥ 400	65.6	69.7	71.6	73.6	78.6	79.1	82.0	84.1	85.9	87.0	87.7	87.8	88.8	88.8	88.9	
≥ 300	65.6	69.7	71.9	73.7	78.8	79.4	82.7	85.4	87.4	88.6	89.3	89.4	90.6	90.6	90.7	
≥ 200	65.4	69.7	72.0	73.8	79.1	79.8	83.4	87.1	89.3	90.9	92.1	92.2	93.4	93.4	93.6	
≥ 100	65.7	69.9	72.2	74.0	79.3	80.0	84.1	88.0	90.6	92.4	94.3	94.8	96.6	96.6	97.0	
≥ 0	65.7	69.9	72.2	74.0	79.3	80.0	84.1	88.0	91.0	93.3	95.4	95.9	97.8	97.8	98.7	
0	65.7	69.9	72.2	74.0	79.3	80.0	84.1	88.0	91.0	93.3	95.4	95.9	97.8	97.8	98.8	

TOTAL NUMBER OF OBSERVATIONS 900

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PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

0900-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	22.1	23.4	23.6	24.1	24.4	24.4	24.4	24.4	24.4	24.4	24.5	24.6	24.6	24.6	24.6	24.6
≥ 20000	25.0	26.3	26.5	27.0	27.4	27.4	27.4	27.4	27.5	27.5	27.6	27.7	27.7	27.7	27.7	27.7
IV 18000	25.7	26.9	27.1	27.7	28.0	28.0	28.0	28.1	28.1	28.3	28.4	28.4	28.4	28.4	28.4	28.4
≥ 6000	25.8	27.0	27.3	27.8	28.1	28.1	28.1	28.3	28.3	28.4	28.5	28.5	28.5	28.5	28.5	28.5
IV 14000	26.3	27.5	27.7	28.3	28.6	28.6	28.6	28.7	28.7	28.8	28.9	28.9	28.9	28.9	28.9	28.9
≥ 2000	27.4	28.6	28.8	29.4	29.7	29.7	29.7	29.8	29.8	29.9	30.0	30.0	30.0	30.0	30.0	30.1
IV 10000	28.6	29.8	30.0	30.6	31.0	31.0	31.0	31.1	31.1	31.3	31.4	31.4	31.4	31.4	31.4	31.5
≥ 9000	28.9	30.1	30.4	31.0	31.5	31.5	31.5	31.6	31.6	31.7	31.8	31.8	31.8	31.8	31.8	31.9
IV 8000	31.3	32.5	32.7	33.4	33.9	33.9	34.0	34.1	34.1	34.3	34.4	34.4	34.4	34.4	34.6	34.7
≥ 7000	33.0	34.4	34.6	35.3	35.9	35.9	36.0	36.2	36.2	36.3	36.4	36.4	36.4	36.4	36.6	36.7
IV 6000	33.5	34.8	35.0	35.7	36.5	36.5	36.6	36.7	36.7	36.9	37.3	37.3	37.3	37.3	37.5	37.6
≥ 5000	35.9	37.6	37.9	38.7	39.8	39.8	40.0	40.3	40.3	40.5	40.8	40.8	40.8	40.8	41.2	41.3
IV 4500	36.7	38.5	38.8	39.6	40.7	40.7	40.9	41.2	41.2	41.4	41.7	41.7	41.7	41.7	42.0	42.2
≥ 4000	38.7	40.8	41.3	42.2	43.5	43.6	43.9	44.2	44.2	44.4	44.7	44.7	44.7	44.7	45.1	45.2
IV 3500	40.3	42.4	43.0	44.0	45.8	45.9	46.3	46.5	46.5	46.7	47.1	47.1	47.1	47.1	47.4	47.5
≥ 3000	42.8	45.8	46.9	48.1	50.1	50.2	50.6	51.2	51.3	51.5	51.8	51.8	51.8	51.8	52.2	52.3
IV 2500	48.5	51.8	53.3	54.7	57.2	57.4	58.0	58.7	59.0	59.2	59.5	59.5	59.5	59.5	59.8	60.0
≥ 2000	54.1	58.2	59.8	61.4	64.3	64.6	65.7	66.6	67.0	67.2	67.7	67.7	67.9	67.9	68.2	68.3
IV 1800	56.2	60.5	62.2	63.8	66.9	67.2	68.3	69.2	69.5	69.7	70.3	70.3	70.4	70.4	70.7	70.9
≥ 1500	59.2	64.0	65.6	67.5	71.0	71.3	72.5	73.5	73.9	74.1	74.6	74.6	74.7	74.7	75.1	75.2
IV 1200	61.2	66.1	67.7	69.7	73.4	73.7	75.0	76.1	76.4	76.6	77.2	77.2	77.3	77.3	77.6	77.8
≥ 1000	61.7	66.7	68.4	70.4	74.1	74.9	76.2	77.3	77.8	78.2	78.9	78.9	79.0	79.0	79.3	79.4
IV 900	62.3	67.4	69.3	71.4	75.2	76.2	77.6	78.8	79.2	79.6	80.3	80.3	80.4	80.4	80.8	80.9
≥ 800	62.6	68.0	70.1	72.2	76.0	77.0	78.6	79.8	80.3	80.8	81.4	81.4	81.5	81.5	81.9	82.0
IV 700	63.1	68.4	70.6	72.7	76.5	77.8	79.5	81.0	81.5	82.2	83.0	83.0	83.1	83.1	83.4	83.5
≥ 600	63.2	68.9	71.3	73.4	77.4	78.9	80.8	82.4	83.1	84.2	85.0	85.0	85.1	85.1	85.4	85.5
IV 500	63.2	69.2	71.7	73.9	78.5	80.1	82.2	84.4	85.9	87.1	88.2	88.2	89.0	89.0	89.4	89.5
≥ 400	63.2	69.3	71.9	74.0	79.0	80.6	83.0	85.5	87.3	88.7	89.9	89.9	90.9	90.9	91.3	91.4
IV 300	63.5	69.6	72.2	74.3	79.4	81.1	83.4	86.5	89.1	90.9	92.4	92.7	93.9	93.9	94.4	94.7
≥ 200	63.6	69.9	72.4	74.5	79.8	81.4	83.8	87.2	89.9	91.9	94.2	94.7	96.2	96.8	97.9	98.9
IV 100	63.6	69.9	72.4	74.6	79.8	81.4	83.8	87.2	89.9	91.9	94.4	95.0	96.8	97.4	98.6	100.0
≥ 0	63.6	69.9	72.4	74.6	79.8	81.4	83.8	87.2	89.9	91.9	94.4	95.0	96.8	97.4	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

0-76

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

1200-1400

UNITED STATES

CEILING FEET	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10
NO CEILING	21.3	21.4	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
≥ 20000	24.8	25.1	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2	25.2
IV 15000	25.0	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
IV 10000	25.0	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.4
IV 7000	25.2	25.6	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
IV 5000	25.7	26.0	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
IV 4000	27.3	27.9	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
IV 3000	27.7	28.2	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4	28.4
IV 2000	29.2	29.9	30.1	30.1	30.1	30.1	30.1	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
IV 1500	30.6	31.2	31.4	31.6	31.6	31.6	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
IV 1000	32.0	32.7	33.0	33.2	33.2	33.2	33.2	33.2	33.4	33.6	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
IV 800	33.6	34.4	34.9	35.3	35.4	35.4	35.4	35.7	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
IV 600	34.4	35.3	35.8	36.3	36.6	36.6	36.8	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IV 400	36.6	38.2	38.9	39.9	40.2	40.2	40.6	40.7	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
IV 3500	38.6	40.3	41.0	42.0	42.6	42.6	43.0	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
IV 3000	43.2	45.8	46.6	47.8	48.7	48.7	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
IV 2500	52.8	55.9	57.0	58.4	59.6	59.6	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 2000	57.2	60.6	61.8	63.4	64.9	64.9	66.0	66.1	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
IV 1800	58.2	61.8	63.0	64.9	66.3	66.3	67.4	67.6	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3
IV 1500	62.2	66.2	68.0	70.1	71.9	72.1	73.4	73.6	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.3
IV 1200	64.3	68.4	70.2	72.6	74.7	74.9	76.4	76.6	77.0	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3
IV 1000	65.8	70.6	72.4	75.0	77.6	77.8	79.6	79.7	80.1	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7
IV 900	66.3	71.6	74.0	76.7	79.8	80.4	82.2	82.3	82.8	83.0	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.6
IV 800	66.4	72.1	74.8	77.6	80.8	81.4	83.2	83.3	83.8	84.0	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.7
IV 700	67.0	72.9	75.7	78.6	82.1	83.0	84.8	84.9	85.3	85.6	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.4
IV 600	67.0	72.9	75.8	79.1	82.7	83.6	85.4	85.7	86.1	86.3	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.3
IV 500	67.2	73.4	76.6	80.2	84.0	85.3	87.8	88.6	89.0	89.4	90.6	90.8	91.0	91.0	91.0	91.0	91.2	91.3
IV 400	67.2	73.6	77.0	80.8	84.8	85.2	88.9	89.9	90.9	91.6	92.8	93.0	93.4	93.4	93.4	93.9	94.0	94.0
IV 300	67.3	73.8	77.2	81.0	85.0	86.4	89.6	90.8	92.1	92.8	94.6	94.8	96.2	96.3	96.3	96.8	97.1	97.1
IV 200	67.3	73.8	77.2	81.0	85.0	86.4	89.6	90.8	92.1	92.9	95.0	95.2	96.9	97.2	97.2	97.3	97.7	97.7
IV 100	67.3	73.8	77.2	81.0	85.0	86.4	89.6	90.8	92.1	92.9	95.0	95.2	97.0	97.4	97.4	98.2	100.0	100.0
IV 0	67.3	73.8	77.2	81.0	85.0	86.4	89.6	90.8	92.1	92.9	95.0	95.2	97.0	97.4	97.4	98.2	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836
STATION

K I SAWYER AFB MI
STATION NAME

09-78
YEAR

NDV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	23.9	23.9	23.9	23.9	23.9	23.9	23.9	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 20000	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2
IV 18000	27.4	27.4	27.4	27.4	27.4	27.4	27.4	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5
IV 16000	27.9	27.9	27.9	27.9	27.9	27.9	27.9	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
IV 14000	28.9	29.0	29.0	29.0	29.0	29.0	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
IV 12000	29.8	29.9	29.9	29.9	29.9	29.9	29.9	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0	30.0
IV 10000	31.8	32.1	32.1	32.1	32.1	32.1	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
IV 9000	31.9	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
IV 8000	31.8	34.1	34.1	34.1	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
IV 7000	35.2	35.7	35.7	35.7	35.7	35.7	35.7	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
IV 6000	36.1	36.8	37.0	37.0	37.1	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
IV 5000	38.5	39.5	39.9	40.1	40.2	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 4500	39.6	40.7	41.1	41.4	41.5	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 4000	41.9	43.4	43.9	44.3	44.4	44.5	44.6	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8
IV 3500	44.5	46.0	46.6	47.0	47.2	47.3	47.5	47.6	47.6	47.6	47.8	47.8	47.8	47.8	47.8	47.8
IV 3000	48.4	50.7	51.3	51.7	52.1	52.2	52.4	52.6	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.8
IV 2500	55.3	58.1	58.9	59.9	60.8	60.9	61.6	62.2	62.2	62.3	62.5	62.5	62.5	62.5	62.5	62.5
IV 2000	59.1	62.1	62.9	63.9	65.3	65.9	66.9	67.7	67.9	68.1	68.3	68.3	68.3	68.3	68.3	68.3
IV 1800	60.4	63.8	64.7	65.8	67.3	68.0	69.0	69.8	70.0	70.2	70.5	70.5	70.5	70.5	70.5	70.5
IV 1500	64.3	68.7	70.2	71.6	73.4	74.1	75.5	76.3	76.5	76.7	76.9	76.9	77.0	77.0	77.0	77.0
IV 1200	66.3	71.5	73.2	74.8	76.9	77.7	79.0	80.0	80.3	80.5	80.7	80.7	80.8	80.8	80.8	80.8
IV 1000	68.0	73.2	75.4	76.7	79.0	79.9	81.5	82.6	83.2	83.4	83.9	83.9	84.4	84.4	84.4	84.4
IV 900	68.5	74.6	76.7	78.0	80.6	81.6	83.3	84.4	84.9	85.2	85.8	85.8	86.3	86.3	86.3	86.3
IV 800	68.9	75.1	77.3	78.7	81.4	82.5	84.3	85.4	86.0	86.2	87.0	87.0	87.4	87.4	87.4	87.4
IV 700	69.1	75.4	77.5	78.9	81.3	83.2	85.1	86.4	87.2	87.6	88.4	88.4	88.9	88.9	88.9	88.9
IV 600	69.1	75.4	77.5	78.9	81.8	83.2	85.2	86.5	87.3	87.8	88.7	88.7	89.2	89.2	89.2	89.2
IV 500	69.2	76.0	78.4	79.8	83.1	84.4	86.6	88.1	88.9	89.6	91.3	91.3	91.8	91.8	91.9	91.9
IV 400	69.2	76.1	78.6	80.0	83.4	84.8	87.7	89.6	90.9	91.9	93.5	93.5	94.1	94.1	94.4	94.4
IV 300	69.2	76.1	78.6	80.0	83.4	84.8	88.2	90.6	92.2	93.5	95.4	95.4	96.1	96.1	96.8	96.8
IV 200	69.2	76.1	78.6	80.0	83.4	84.8	88.5	91.1	92.8	94.1	96.3	96.3	97.4	97.8	98.7	99.2
IV 100	69.2	76.1	78.6	80.0	83.4	84.8	88.5	91.1	92.8	94.1	96.3	96.3	97.4	97.8	98.8	100.0
IV 0	69.2	76.1	78.6	80.0	83.4	84.8	88.5	91.1	92.8	94.1	96.3	96.3	97.4	97.8	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836
STATION

K I SAWYER AFB MI
STATION NAME

69-76
YEAR

NUV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
MOON

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2-	≥2	≥1-	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	28.3	28.5	28.5	28.6	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9	28.9
≥26-00	31.3	31.4	31.4	31.5	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
IV 18000	31.5	31.7	31.7	31.8	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1	32.1
IV 16000	31.9	32.0	32.0	32.1	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
IV 14000	33.3	33.4	33.5	33.6	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
IV 12000	34.7	34.9	35.0	35.2	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
IV 10000	36.8	37.2	37.3	37.4	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
IV 9000	37.1	37.4	37.5	37.6	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
IV 8000	38.7	39.1	39.2	39.3	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
IV 7000	39.6	40.0	40.1	40.2	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 6000	40.6	41.1	41.3	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
IV 5000	42.5	43.3	43.5	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
IV 4500	44.2	45.0	45.2	45.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 4000	46.2	47.3	47.5	48.0	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 3500	48.2	49.3	49.6	50.0	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
IV 3000	50.8	52.7	53.1	53.6	54.6	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
IV 2500	57.6	59.8	61.0	61.6	63.5	63.6	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3
IV 2000	61.5	63.8	65.5	66.4	68.8	69.0	69.6	69.8	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5
IV 1800	62.8	65.2	67.0	67.9	70.2	70.4	71.3	71.4	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
IV 1600	66.0	69.0	71.0	71.9	74.6	74.9	75.9	76.2	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 1200	68.5	72.0	74.3	75.2	78.6	78.9	80.2	80.6	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 1000	69.3	72.9	75.6	76.5	79.9	80.4	82.0	82.5	83.4	83.7	83.8	83.8	83.8	83.8	83.8	83.8
IV 900	69.8	73.9	76.6	77.6	81.0	81.7	83.5	83.9	84.8	85.2	85.3	85.3	85.3	85.3	85.3	85.3
IV 800	69.8	73.9	76.6	77.7	81.5	82.1	83.9	84.5	85.4	85.7	85.9	85.9	85.9	85.9	85.9	85.9
IV 700	69.8	73.9	76.6	77.9	82.1	82.8	84.6	85.3	86.3	86.6	86.8	86.8	86.8	86.8	86.8	86.8
IV 600	69.8	74.0	76.8	78.2	82.8	83.5	85.5	86.2	87.4	87.7	87.9	87.9	87.9	87.9	88.1	88.1
IV 500	69.8	74.0	76.8	78.2	82.9	83.6	86.0	87.3	88.7	89.2	90.3	90.3	90.3	90.4	90.6	90.6
IV 400	69.8	74.0	77.0	78.5	83.6	84.3	86.8	88.3	90.1	90.7	91.9	91.9	92.0	92.1	92.5	92.5
IV 300	69.8	74.3	77.5	78.9	84.2	84.8	87.7	89.7	91.9	93.1	95.0	95.0	95.3	95.5	96.2	96.2
IV 200	69.9	74.4	77.6	79.0	84.3	84.9	87.9	90.2	92.4	93.8	96.2	96.2	96.5	96.9	97.7	97.9
IV 100	69.9	74.4	77.6	79.0	84.3	84.9	88.1	90.3	92.5	93.9	96.4	96.5	96.9	97.4	98.7	99.8
IV 0	69.9	74.4	77.6	79.0	84.3	84.9	88.1	90.3	92.5	93.9	96.4	96.5	96.9	97.4	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 896

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

9-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS UTC

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	28.0	28.7	28.8	29.0	29.1	29.1	29.1	29.1	29.1	29.1	29.2	29.3	29.3	29.3	29.3	29.3
≥ 20000	30.8	31.4	31.5	31.8	31.9	31.9	31.9	31.9	31.9	31.9	32.0	32.1	32.1	32.1	32.1	32.1
IV 18000	31.1	31.8	31.9	32.1	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.4	32.4	32.4	32.4	32.4
IV 16000	31.1	31.9	32.0	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.6	32.6	32.6	32.6	32.6
IV 14000	32.4	33.2	33.4	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.9	34.0	34.0	34.0	34.0	34.0
IV 12000	32.9	33.8	34.0	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.4	34.6	34.6	34.6	34.6	34.6
IV 10000	35.0	36.0	36.3	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.8	36.9	36.9	36.9	36.9	36.9
IV 9000	35.2	36.3	36.7	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.1	37.2	37.2	37.2	37.2	37.2
IV 8000	36.3	37.5	37.8	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.4	38.5	38.5	38.5	38.5	38.5
IV 7000	36.9	38.0	38.4	38.6	38.8	38.8	38.8	38.8	38.8	38.8	38.9	39.0	39.0	39.0	39.0	39.0
IV 6000	37.2	38.6	38.9	39.1	39.7	39.7	39.7	39.7	39.7	39.7	39.8	39.9	39.9	39.9	39.9	39.9
IV 5000	39.7	41.4	41.8	42.0	42.8	42.8	42.8	42.8	42.8	42.8	42.9	43.0	43.0	43.0	43.0	43.0
IV 4500	42.0	43.7	44.1	44.4	45.3	45.3	45.4	45.4	45.4	45.4	45.5	45.6	45.6	45.6	45.6	45.6
IV 4000	44.7	46.6	47.0	47.4	48.6	48.6	48.7	48.7	48.7	48.7	48.8	48.9	48.9	48.9	48.9	48.9
IV 3500	45.7	47.8	48.3	48.6	49.9	49.9	50.1	50.1	50.1	50.1	50.2	50.3	50.3	50.3	50.3	50.3
IV 3000	50.4	52.6	53.3	53.6	55.2	55.2	55.3	55.3	55.3	55.3	55.4	55.5	55.5	55.5	55.5	55.5
IV 2500	55.4	58.3	59.6	60.3	62.3	62.9	63.0	63.0	63.0	63.0	63.1	63.2	63.2	63.2	63.2	63.2
IV 2000	59.9	63.2	65.0	65.8	68.1	68.7	69.9	69.9	69.9	69.9	70.0	70.1	70.1	70.1	70.1	70.1
IV 1800	61.6	65.1	66.9	67.7	70.3	70.9	72.2	72.2	72.4	72.4	72.5	72.6	72.6	72.6	72.6	72.6
IV 1500	64.3	68.7	70.6	71.5	74.6	75.3	76.8	76.8	77.0	77.0	77.1	77.3	77.3	77.3	77.3	77.3
IV 1200	65.3	70.8	72.8	73.9	77.3	77.9	79.6	79.7	79.9	79.9	80.0	80.2	80.2	80.2	80.2	80.2
IV 1000	67.1	71.8	73.9	75.1	78.8	79.5	81.4	81.5	82.1	82.3	82.4	82.5	82.5	82.5	82.5	82.5
IV 900	67.7	72.7	74.9	76.1	79.9	80.6	82.5	82.6	83.2	83.4	83.5	83.6	83.6	83.6	83.6	83.6
IV 800	67.8	72.9	75.3	76.6	80.4	81.0	83.1	83.7	84.3	84.5	84.6	84.7	84.7	84.7	84.7	84.7
IV 700	68.0	73.1	75.6	76.9	80.8	81.5	83.5	84.3	84.8	85.1	85.2	85.3	85.4	85.4	85.5	85.5
IV 600	68.1	73.2	75.7	77.0	81.5	82.2	84.4	85.5	86.1	86.3	86.5	86.6	86.7	86.8	87.1	87.1
IV 500	68.2	73.7	76.3	77.6	82.5	83.3	86.3	87.7	88.4	89.0	89.5	89.6	90.0	90.2	90.5	90.5
IV 400	68.5	73.9	76.5	77.8	83.1	84.3	88.1	90.0	90.9	91.5	92.1	92.2	92.5	92.8	93.3	93.4
IV 300	68.5	73.9	76.7	78.3	83.5	84.8	89.2	91.1	92.5	93.6	94.2	94.2	94.8	95.0	95.7	95.8
IV 200	68.6	74.0	76.8	78.4	83.6	84.9	89.4	91.5	93.3	94.5	96.0	96.1	96.7	97.0	97.7	97.9
IV 100	68.6	74.0	76.8	78.4	83.6	84.9	89.4	91.6	93.4	94.8	96.7	96.8	97.3	97.9	98.9	99.7
IV 0	68.6	74.0	76.8	78.4	83.6	84.9	89.4	91.6	93.4	94.8	96.7	96.8	97.3	98.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 897

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836
STATION

K I SAWYER AFB MI
STATION NAME

69-78
YEAR

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL
MONTHS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	25.8	26.4	26.7	26.9	27.2	27.2	27.2	27.3	27.4	27.4	27.5	27.5	27.6	27.6	27.7
≥ 20000	28.2	28.8	29.1	29.3	29.5	29.6	29.6	29.7	29.7	29.8	29.9	29.9	30.0	30.0	30.0
IV 18000	28.4	29.0	29.4	29.5	29.8	29.8	29.9	30.0	30.0	30.0	30.2	30.2	30.3	30.3	30.3
16000	28.6	29.2	29.5	29.7	30.0	30.0	30.0	30.1	30.2	30.2	30.3	30.3	30.4	30.4	30.5
IV 14000	29.2	29.8	30.2	30.4	30.7	30.7	30.7	30.8	30.9	30.9	31.0	31.0	31.1	31.1	31.2
12000	30.3	31.0	31.3	31.5	31.8	31.8	31.9	32.0	32.0	32.0	32.1	32.2	32.2	32.2	32.3
IV 10000	31.8	32.5	32.9	33.1	33.4	33.4	33.5	33.6	33.6	33.6	33.7	33.8	33.8	33.8	33.9
9000	32.0	32.8	33.2	33.4	33.7	33.7	33.8	33.9	33.9	33.9	34.1	34.1	34.1	34.1	34.2
IV 8000	33.6	34.4	34.8	35.1	35.4	35.4	35.4	35.6	35.6	35.6	35.7	35.8	35.8	35.8	36.0
7000	34.7	35.5	35.9	36.2	36.5	36.5	36.6	36.7	36.7	36.8	36.9	36.9	37.0	37.0	37.1
IV 6000	35.5	36.4	36.8	37.1	37.6	37.6	37.7	37.8	37.9	37.9	38.1	38.1	38.2	38.2	38.3
5000	37.9	39.1	39.6	40.0	40.6	40.7	40.8	40.9	40.9	41.0	41.1	41.1	41.2	41.2	41.4
IV 4500	39.4	40.7	41.2	41.6	42.3	42.3	42.4	42.6	42.6	42.7	42.8	42.8	42.9	42.9	43.1
4000	42.1	43.7	44.4	44.9	45.8	45.9	46.1	46.2	46.3	46.3	46.5	46.5	46.6	46.6	46.7
IV 3500	43.7	45.5	46.2	46.7	47.8	47.8	48.1	48.3	48.4	48.4	48.6	48.6	48.7	48.7	48.8
3000	47.3	49.5	50.4	51.1	52.4	52.4	52.8	53.1	53.2	53.3	53.4	53.5	53.6	53.6	53.7
IV 2500	53.2	55.9	57.1	58.1	59.8	60.0	60.6	61.0	61.1	61.3	61.5	61.5	61.6	61.6	61.7
2000	57.8	60.9	62.3	63.5	65.6	65.9	67.0	67.5	67.7	67.9	68.1	68.1	68.3	68.3	68.4
IV 1800	59.3	62.5	64.0	65.2	67.4	67.7	68.9	69.4	69.7	69.8	70.1	70.1	70.2	70.2	70.4
1500	62.9	66.7	68.4	69.8	72.3	72.7	74.1	74.7	75.0	75.2	75.4	75.4	75.6	75.6	75.7
IV 1200	65.0	69.0	70.9	72.4	75.4	75.8	77.4	78.1	78.5	78.6	78.9	78.9	79.1	79.1	79.2
1000	65.9	70.2	72.1	73.8	77.0	77.5	79.2	80.0	80.7	81.0	81.3	81.3	81.6	81.6	81.7
IV 900	66.4	71.0	73.1	74.7	78.1	78.8	80.6	81.4	82.1	82.4	82.8	82.8	83.1	83.1	83.2
800	66.6	71.4	73.5	75.3	78.8	79.5	81.4	82.4	83.1	83.5	84.0	84.0	84.3	84.3	84.4
IV 700	66.9	71.7	74.0	75.8	79.6	80.4	82.4	83.5	84.3	84.7	85.2	85.3	85.5	85.5	85.7
600	66.9	71.9	74.3	76.2	80.4	81.2	83.3	84.6	85.5	86.0	86.6	86.7	87.0	87.0	87.2
IV 500	67.1	72.5	75.0	77.0	81.5	82.5	85.0	86.6	87.7	88.5	89.4	89.4	90.0	90.1	90.4
400	67.1	72.5	75.2	77.2	82.0	83.2	86.1	88.0	89.4	90.3	91.3	91.4	92.0	92.1	92.5
IV 300	67.2	72.7	75.4	77.5	82.4	83.5	86.8	89.2	91.0	92.3	93.7	93.8	94.7	94.8	95.5
200	67.2	72.7	75.5	77.6	82.5	83.6	87.1	89.7	91.6	93.2	95.1	95.3	96.6	96.8	97.5
IV 100	67.2	72.7	75.5	77.6	82.5	83.6	87.1	89.7	91.7	93.4	95.5	95.7	97.1	97.6	98.5
0	67.2	72.7	75.5	77.6	82.5	83.6	87.1	89.7	91.7	93.4	95.5	95.7	97.2	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7189

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836
STATION

K I SAWYER AFB MI
STATION NAME

68-77
YEAR

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	22.3	23.7	24.2	24.3	24.3	24.5	24.8	24.9	25.1	25.2	25.2	25.2	25.4	25.4	25.4	25.4
≥ 20000	23.3	24.7	25.2	25.3	25.3	25.5	25.7	25.8	26.0	26.2	26.2	26.2	26.4	26.4	26.4	26.5
IV 18000	23.3	24.7	25.2	25.3	25.3	25.5	25.7	25.8	26.0	26.2	26.2	26.2	26.4	26.4	26.4	26.5
IV 16000	23.4	24.8	25.3	25.4	25.4	25.6	25.8	25.9	26.2	26.3	26.3	26.3	26.5	26.5	26.5	26.6
IV 14000	23.6	25.0	25.5	25.6	25.6	25.8	26.0	26.2	26.4	26.5	26.5	26.5	26.7	26.7	26.7	26.8
IV 12000	24.5	25.9	26.5	26.6	26.6	26.8	27.0	27.1	27.3	27.4	27.4	27.4	27.7	27.7	27.7	27.8
IV 10000	26.6	28.1	28.6	28.7	28.7	29.0	29.2	29.3	29.5	29.6	29.6	29.6	29.8	29.8	29.8	29.9
IV 9000	27.3	28.8	29.6	29.7	29.7	29.9	30.1	30.2	30.5	30.6	30.6	30.6	30.8	30.8	30.8	30.9
IV 8000	27.8	29.6	30.4	30.5	30.5	30.7	30.9	31.0	31.2	31.3	31.3	31.3	31.5	31.5	31.5	31.6
IV 7000	28.7	30.6	31.3	31.4	31.4	31.6	31.9	32.0	32.2	32.3	32.3	32.3	32.5	32.5	32.5	32.6
IV 6000	29.3	31.1	31.9	32.0	32.2	32.4	32.6	32.7	32.9	33.0	33.0	33.0	33.3	33.3	33.3	33.4
IV 5000	31.5	33.7	34.7	35.0	35.4	35.6	35.8	36.0	36.2	36.3	36.3	36.3	36.5	36.5	36.5	36.6
IV 4500	32.3	34.6	35.5	35.8	36.4	36.6	36.8	36.9	37.1	37.2	37.2	37.2	37.5	37.5	37.5	37.6
IV 4000	34.0	36.7	37.8	38.2	38.8	39.0	39.3	39.5	39.7	39.8	39.8	39.8	40.0	40.0	40.0	40.2
IV 3500	35.3	38.5	39.6	40.0	40.6	40.8	41.1	41.3	41.6	41.7	41.7	41.7	41.9	41.9	41.9	42.0
IV 3000	38.5	42.2	43.5	44.0	44.9	45.2	45.5	45.7	46.0	46.1	46.1	46.1	46.3	46.3	46.3	46.4
IV 2500	41.0	45.7	47.7	48.7	49.7	50.2	50.7	51.0	51.2	51.3	51.3	51.3	51.7	51.7	51.7	51.8
IV 2000	45.6	51.7	54.0	55.2	56.6	57.3	58.2	58.7	59.0	59.2	59.2	59.2	59.5	59.5	59.5	59.6
IV 1800	47.4	53.4	55.8	57.3	58.8	59.5	60.6	61.0	61.4	61.6	61.6	61.6	61.9	61.9	61.9	62.0
IV 1500	50.8	57.3	60.2	62.0	64.3	65.4	67.4	68.1	68.6	68.8	68.9	68.9	69.2	69.2	69.2	69.3
IV 1200	53.4	60.5	63.9	65.8	68.1	69.3	71.4	72.1	72.8	73.0	73.1	73.1	73.4	73.4	73.4	73.5
IV 1000	55.5	63.4	67.0	69.0	71.7	72.9	75.3	76.1	77.0	77.2	77.6	77.6	77.9	77.9	77.9	78.0
IV 900	56.1	64.5	68.2	70.4	73.2	74.5	77.3	78.1	79.1	79.4	80.0	80.1	80.4	80.4	80.4	80.5
IV 800	56.4	64.9	68.8	71.0	74.1	75.5	78.3	79.2	81.1	81.5	82.3	82.5	82.8	82.8	82.8	82.9
IV 700	57.4	66.1	70.1	72.4	75.5	76.9	80.0	81.2	83.1	83.6	84.9	85.0	85.5	85.5	85.5	85.6
IV 600	57.6	66.7	71.2	73.7	77.3	78.7	81.9	83.5	85.7	86.4	87.7	87.8	88.3	88.3	88.3	88.4
IV 500	58.1	67.3	71.8	74.8	78.6	80.1	83.4	85.0	87.4	88.7	90.2	90.4	91.0	91.0	91.0	91.1
IV 400	58.2	67.6	72.2	75.3	79.2	81.1	84.9	86.8	89.2	90.6	92.4	92.7	93.2	93.4	93.4	93.5
IV 300	58.2	67.7	72.3	75.5	79.9	82.2	86.2	88.2	91.1	92.9	95.0	95.4	96.2	96.4	96.4	96.6
IV 200	58.2	67.7	72.3	75.5	79.9	82.3	86.7	88.8	92.0	94.1	96.4	96.8	98.2	98.5	98.6	99.1
IV 100	58.2	67.7	72.3	75.5	79.9	82.3	86.7	88.8	92.0	94.1	96.4	96.8	98.3	98.7	99.1	99.9
IV 0	58.2	67.7	72.3	75.5	79.9	82.3	86.7	88.8	92.0	94.1	96.4	96.8	98.3	98.7	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835

K I SAWYER AFB MI

8-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 8	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.75	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0
NO CEILING	22.4	23.0	23.4	23.9	24.0	24.0	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
≥ 20000	23.0	23.7	24.1	24.5	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.9	24.9
≥ 18000	23.2	23.9	24.3	24.7	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.2	25.2
≥ 16000	23.2	23.9	24.3	24.7	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.2	25.2
≥ 14000	23.2	23.9	24.3	24.7	24.8	24.8	24.9	24.9	24.9	24.9	24.9	24.9	24.9	24.9	25.2	25.2
≥ 12000	23.7	24.3	24.7	25.2	25.3	25.3	25.4	25.4	25.4	25.4	25.4	25.4	25.4	25.6	25.6	25.7
≥ 10000	24.9	25.7	26.1	26.6	26.7	26.7	26.8	26.8	26.8	26.8	26.8	26.8	26.8	27.0	27.0	27.1
≥ 9000	26.0	26.8	27.5	28.0	28.1	28.1	28.2	28.2	28.2	28.2	28.2	28.2	28.2	28.4	28.4	28.5
≥ 8000	26.7	27.5	28.3	28.7	28.8	28.8	28.9	28.9	28.9	28.9	28.9	28.9	28.9	29.1	29.1	29.2
≥ 7000	27.2	28.1	28.8	29.2	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5	29.7	29.7	29.8
≥ 6000	28.5	29.5	30.2	30.6	30.8	30.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9	31.1	31.1	31.2
≥ 5000	31.7	33.2	34.4	34.9	35.2	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.5	35.5	35.6
≥ 4500	32.4	34.3	35.7	36.2	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.8	36.8	36.9
≥ 4000	34.1	36.7	38.3	38.8	39.0	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.4	39.4	39.5
≥ 3500	34.7	37.5	39.1	39.8	40.0	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.4	40.4	40.5
≥ 3000	37.1	40.2	42.0	42.7	43.4	43.4	43.9	43.9	43.9	44.0	44.0	44.0	44.0	44.2	44.2	44.3
≥ 2500	41.8	46.7	48.9	49.6	50.6	50.6	51.2	51.3	51.3	51.5	51.5	51.5	51.5	51.7	51.7	51.8
≥ 2000	45.2	50.4	52.8	53.7	55.3	55.5	56.7	56.9	56.9	57.2	57.2	57.2	57.2	57.4	57.4	57.5
≥ 1800	46.9	52.2	54.5	56.0	57.6	57.8	59.0	59.4	59.4	59.7	59.7	59.7	59.7	59.9	59.9	60.0
≥ 1500	51.4	56.8	59.9	61.8	63.5	63.9	66.0	67.0	67.5	67.8	67.8	67.8	67.8	68.1	68.1	68.2
≥ 1200	53.4	59.0	62.4	64.4	67.1	67.5	69.9	70.9	71.5	71.8	71.8	71.8	72.0	72.0	72.2	72.8
≥ 1000	55.3	61.7	65.8	67.8	70.8	71.5	74.3	75.4	76.1	76.5	76.8	76.8	77.0	77.0	77.1	77.7
≥ 900	56.1	62.9	67.1	69.2	72.4	73.1	76.1	77.5	78.6	78.9	79.5	79.5	79.7	79.7	79.8	80.4
≥ 800	56.2	63.0	67.3	69.5	72.7	73.0	76.7	78.3	79.4	79.8	80.6	80.6	81.0	81.0	81.1	81.7
≥ 700	56.3	63.5	67.8	70.0	73.4	74.3	77.7	79.7	80.9	81.4	82.6	82.6	83.1	83.1	83.2	83.9
≥ 600	56.7	64.3	68.9	71.2	74.9	75.8	80.0	82.2	83.4	84.1	85.3	85.3	85.8	85.8	85.9	86.6
≥ 500	56.9	64.9	69.6	72.5	76.6	77.7	82.5	84.6	86.0	86.7	88.2	88.2	88.9	88.9	89.0	89.7
≥ 400	57.0	65.4	70.0	73.0	77.7	79.2	84.6	86.9	88.3	89.1	91.2	91.2	91.9	91.9	92.0	92.7
≥ 300	57.0	65.6	70.3	73.3	78.3	80.2	86.1	88.4	89.9	90.8	92.9	92.9	93.9	94.2	94.3	94.9
≥ 200	57.0	65.6	70.3	73.3	78.3	80.2	86.2	88.9	90.8	92.0	94.4	94.5	96.9	97.4	98.0	98.9
≥ 100	57.0	65.6	70.3	73.3	78.3	80.2	86.2	88.9	90.8	92.2	94.8	94.9	97.3	98.0	99.0	100.0
≥ 0	57.0	65.6	70.3	73.3	78.3	80.2	86.2	88.9	90.8	92.2	94.8	94.9	97.3	98.0	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94835

K I SAWYER AFB MI

68-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0	
NO CEILING	23.1	24.0	24.1	24.1	24.1	24.1	24.4	24.4	24.4	24.4	24.4	24.4	24.6	24.6	24.6	24.8
≥ 20000	23.9	24.7	24.8	24.8	24.9	24.9	25.3	25.3	25.3	25.3	25.3	25.3	25.5	25.5	25.5	25.7
IV 18000	24.2	25.1	25.2	25.2	25.6	25.6	25.9	25.9	25.9	25.9	25.9	25.9	26.1	26.1	26.1	26.3
IV 16000	24.2	25.1	25.2	25.2	25.6	25.6	25.9	25.9	25.9	25.9	25.9	25.9	26.1	26.1	26.1	26.3
IV 14000	24.2	25.1	25.2	25.2	25.6	25.6	25.9	25.9	25.9	25.9	25.9	25.9	26.1	26.1	26.1	26.3
IV 12000	24.5	25.5	25.7	25.7	26.1	26.1	26.5	26.5	26.5	26.5	26.5	26.5	26.7	26.7	26.7	26.9
IV 10000	25.8	27.0	27.2	27.2	27.6	27.6	28.0	28.0	28.0	28.0	28.0	28.0	28.2	28.2	28.2	28.4
IV 9000	26.1	27.3	27.7	27.7	28.2	28.2	28.5	28.5	28.5	28.5	28.5	28.5	28.7	28.7	28.7	28.9
IV 8000	26.7	27.8	28.3	28.3	28.7	28.7	29.0	29.0	29.0	29.0	29.0	29.0	29.2	29.2	29.2	29.5
IV 7000	27.2	28.4	28.8	28.8	29.2	29.2	29.6	29.6	29.6	29.6	29.6	29.6	29.8	29.8	29.8	30.0
IV 6000	28.0	29.4	29.8	29.8	30.2	30.2	30.5	30.5	30.5	30.5	30.5	30.5	30.8	30.8	30.8	31.0
IV 5000	31.6	33.8	34.3	34.4	35.1	35.1	35.4	35.6	35.8	35.8	35.8	35.8	36.0	36.0	36.0	36.2
IV 4500	32.3	34.6	35.2	35.4	36.2	36.2	36.6	36.8	37.0	37.0	37.0	37.0	37.2	37.2	37.2	37.4
IV 4000	33.5	36.7	37.4	37.6	38.7	38.7	39.1	39.5	39.7	39.7	39.7	39.7	39.9	39.9	39.9	40.1
IV 3500	34.3	37.8	38.7	38.9	40.0	40.0	40.4	40.8	41.0	41.0	41.0	41.0	41.2	41.2	41.2	41.4
IV 3000	36.3	40.5	41.4	41.8	43.2	43.2	43.7	44.1	44.3	44.3	44.3	44.3	44.5	44.5	44.5	44.7
IV 2500	40.4	46.2	47.2	48.1	50.1	50.5	51.0	51.4	51.6	51.6	51.6	51.6	51.8	51.8	51.8	52.0
IV 2000	43.4	50.0	51.6	52.7	55.4	55.9	57.0	57.7	58.0	58.1	58.2	58.2	58.4	58.4	58.4	58.6
IV 1800	44.7	51.4	53.2	54.4	57.2	57.8	59.0	59.9	60.1	60.2	60.3	60.3	60.5	60.5	60.5	60.8
IV 1500	48.0	55.2	57.1	58.7	61.5	62.5	64.4	66.0	66.6	66.7	66.7	66.7	66.8	67.0	67.0	67.2
IV 1200	49.6	57.1	59.2	61.3	64.4	65.4	67.3	69.0	69.8	70.0	70.0	70.2	70.4	70.4	70.5	70.8
IV 1000	51.4	59.6	62.2	64.8	68.1	69.1	71.5	73.2	74.0	74.3	74.5	74.5	74.7	74.8	74.8	75.1
IV 900	51.8	61.0	63.7	66.7	70.0	71.1	73.5	75.5	76.2	76.7	77.1	77.1	77.3	77.4	77.4	77.6
IV 800	52.0	61.3	64.3	67.5	71.2	72.5	75.3	77.2	78.4	78.8	79.6	79.6	79.8	79.9	79.9	80.1
IV 700	52.4	61.8	65.5	68.9	72.8	74.2	77.6	79.7	80.9	81.3	82.0	82.0	82.3	82.4	82.4	82.6
IV 600	52.9	62.7	66.7	70.2	74.2	75.9	79.7	81.7	82.9	83.3	84.2	84.2	84.4	84.5	84.5	84.7
IV 500	53.2	63.0	67.4	71.1	75.5	77.8	82.2	84.3	85.5	85.9	87.3	87.3	88.0	88.1	88.4	88.6
IV 400	53.5	63.4	68.0	71.9	77.1	79.5	84.5	86.8	88.0	88.7	90.4	90.5	91.3	91.4	91.7	91.9
IV 300	53.5	63.7	68.2	72.3	77.6	80.2	85.6	87.8	89.1	90.2	92.6	92.9	94.1	94.2	94.6	94.8
IV 200	53.5	63.7	68.2	72.3	77.8	80.5	86.0	88.6	90.5	91.7	94.6	94.9	96.8	97.2	98.4	98.9
IV 100	53.5	63.7	68.2	72.3	77.8	80.5	86.0	88.6	90.5	91.7	94.9	95.4	97.3	97.8	99.0	100.0
IV 0	53.5	63.7	68.2	72.3	77.8	80.5	86.0	88.6	90.5	91.7	94.9	95.4	97.3	97.8	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

8-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100

* SEA LEVEL STATUTE MILES

CEILING FEET	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2	≥2
NO CEILING	18.7	19.8	20.1	20.2	20.2	20.2	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3	20.3
≥ 20000	19.8	21.0	21.3	21.4	21.4	21.4	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
≥ 18000	20.2	21.5	21.9	22.0	22.0	22.0	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1	22.1
≥ 16000	20.7	22.0	22.3	22.4	22.4	22.5	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6	22.6
≥ 14000	21.5	22.8	23.1	23.3	23.3	23.4	23.6	23.6	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7
≥ 12000	23.6	25.0	25.4	25.6	25.7	25.8	26.0	26.0	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
≥ 10000	24.1	25.5	25.9	26.2	26.3	26.4	26.6	26.6	26.7	26.7	26.7	26.7	26.7	26.7	26.7	26.7
≥ 9000	24.7	26.0	26.6	26.8	26.9	27.0	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
≥ 8000	25.6	27.2	27.8	28.1	28.2	28.3	28.5	28.5	28.6	28.6	28.6	28.6	28.6	28.6	28.6	28.6
≥ 7000	26.5	28.3	29.0	29.3	29.4	29.5	29.7	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥ 6000	26.9	29.0	29.6	29.9	30.0	30.1	30.4	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 5000	28.8	31.0	31.8	32.1	32.3	32.4	32.6	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 4500	29.7	32.0	32.7	33.2	33.4	33.5	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
≥ 4000	31.0	33.4	34.4	34.9	35.2	35.3	35.6	36.0	36.1	36.2	36.4	36.4	36.4	36.4	36.4	36.4
≥ 3500	32.4	35.5	36.6	37.1	37.6	37.7	38.1	38.4	38.5	38.6	39.0	39.0	39.0	39.0	39.0	39.0
≥ 3000	33.9	38.1	39.4	40.0	41.1	41.2	41.7	42.0	42.1	42.2	42.5	42.5	42.7	42.7	42.7	42.7
≥ 2500	38.4	43.8	45.2	46.1	47.8	48.0	48.9	49.3	49.5	49.7	50.1	50.1	50.3	50.3	50.3	50.3
≥ 2000	42.3	48.8	50.4	51.7	53.9	54.4	55.3	56.1	56.7	57.2	57.8	57.8	58.1	58.1	58.1	58.1
≥ 1800	43.1	49.6	51.3	52.7	55.3	55.8	56.7	57.5	58.1	58.6	59.3	59.3	59.6	59.6	59.6	59.6
≥ 1500	44.9	51.8	53.8	55.3	58.4	58.9	60.4	61.5	62.3	63.2	63.9	63.9	64.3	64.3	64.4	64.4
≥ 1200	47.0	54.9	57.3	59.1	62.8	63.4	64.9	66.3	67.3	68.2	69.4	69.5	69.9	69.9	70.1	70.1
≥ 1000	48.1	56.4	59.2	61.4	65.0	65.7	67.2	68.8	70.2	71.5	72.8	72.9	73.3	73.4	73.6	73.6
≥ 900	48.3	57.3	60.4	62.6	66.6	67.3	69.1	70.7	72.2	73.5	74.9	75.0	75.6	75.7	75.9	75.9
≥ 800	48.3	57.6	60.8	63.1	67.2	67.9	70.0	71.9	73.5	75.2	76.7	76.9	77.8	77.9	78.1	78.1
≥ 700	48.5	58.1	61.7	64.2	68.7	69.8	71.9	74.1	75.8	77.5	79.3	79.5	80.6	80.7	80.9	80.9
≥ 600	48.8	58.9	62.6	65.1	69.8	70.9	73.4	75.7	77.6	79.7	81.6	81.8	82.5	83.0	83.2	83.2
≥ 500	49.1	59.5	63.4	66.0	70.9	72.8	75.8	78.6	80.6	82.7	85.3	85.6	86.7	86.8	87.0	87.1
≥ 400	49.1	59.7	63.6	66.2	71.4	73.8	77.6	80.8	83.3	85.9	88.8	89.2	90.3	90.5	90.7	91.0
≥ 300	49.2	59.8	63.8	66.4	71.7	74.4	78.5	82.0	85.1	88.2	92.0	92.6	94.4	94.8	95.0	95.3
≥ 200	49.2	59.8	63.8	66.4	71.7	74.4	78.5	82.0	85.3	88.3	92.8	93.5	96.3	97.4	98.4	98.8
≥ 100	49.2	59.8	63.8	66.4	71.7	74.4	78.5	82.0	85.3	88.3	92.8	93.5	96.4	97.7	99.0	100.0
≥ 0	49.2	59.8	63.8	66.4	71.7	74.4	78.5	82.0	85.3	88.3	92.8	93.5	96.4	97.7	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

8-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS.

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.1	≥0.05	≥0	≥0
NO CEILING	19.3	19.4	19.5	19.5	19.5	19.5	19.5	19.6	19.6	19.6	19.7	19.7	19.7	19.7	19.7	19.7
≥ 20000	21.6	21.9	22.0	22.0	22.0	22.0	22.0	22.1	22.1	22.1	22.2	22.2	22.2	22.2	22.2	22.2
≥ 18000	22.5	22.7	22.8	22.8	22.8	22.8	22.8	22.9	22.9	22.9	23.0	23.0	23.0	23.0	23.0	23.0
≥ 16000	23.1	23.4	23.5	23.5	23.5	23.5	23.5	23.6	23.6	23.6	23.7	23.7	23.7	23.7	23.7	23.7
≥ 14000	24.1	24.3	24.4	24.4	24.4	24.4	24.4	24.5	24.5	24.5	24.7	24.7	24.7	24.7	24.7	24.7
≥ 12000	25.7	26.0	26.2	26.2	26.2	26.2	26.2	26.3	26.3	26.3	26.4	26.4	26.4	26.4	26.4	26.4
≥ 10000	26.7	27.1	27.2	27.2	27.2	27.2	27.2	27.3	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.4
≥ 9000	27.6	28.0	28.1	28.1	28.1	28.1	28.1	28.2	28.2	28.2	28.3	28.3	28.3	28.3	28.3	28.3
≥ 8000	29.1	29.5	29.7	29.7	29.7	29.7	29.7	29.8	29.8	29.8	29.9	29.9	29.9	29.9	29.9	29.9
≥ 7000	29.8	30.2	30.5	30.5	30.5	30.5	30.5	30.6	30.6	30.6	30.7	30.7	30.7	30.7	30.7	30.7
≥ 6000	30.6	31.0	31.2	31.2	31.2	31.2	31.2	31.3	31.3	31.3	31.6	31.5	31.6	31.6	31.8	31.8
≥ 5000	32.3	32.8	33.3	33.3	33.4	33.4	33.4	33.6	33.7	33.7	34.0	34.0	34.0	34.0	34.1	34.1
≥ 4500	32.7	33.3	33.7	33.7	33.8	33.8	34.0	34.1	34.1	34.1	34.4	34.4	34.4	34.4	34.6	34.6
≥ 4000	34.6	35.2	35.8	36.0	36.1	36.1	36.4	36.5	36.5	36.6	36.9	36.9	36.9	36.9	37.0	37.0
≥ 3500	35.3	36.2	36.8	36.9	37.5	37.5	37.9	38.1	38.1	38.2	38.5	38.5	38.5	38.5	38.6	38.6
≥ 3000	39.2	40.9	41.6	41.8	42.5	42.7	43.2	43.5	43.5	43.6	44.0	44.0	44.0	44.0	44.1	44.1
≥ 2500	44.0	46.9	47.9	48.2	49.7	50.1	50.6	50.9	51.0	51.1	51.6	51.6	51.6	51.6	51.7	51.7
≥ 2000	47.3	51.3	52.7	53.5	55.9	56.5	57.4	58.1	58.7	59.0	59.6	59.6	59.6	59.6	60.1	60.1
≥ 1800	48.9	53.8	55.2	56.0	58.4	59.1	60.2	60.9	61.5	61.8	62.4	62.4	62.4	62.4	62.9	62.9
≥ 1500	50.7	57.3	58.9	59.7	63.0	63.8	65.2	66.3	67.3	67.7	68.8	68.8	68.8	68.8	69.2	69.2
≥ 1200	51.8	59.1	61.2	62.4	66.0	67.0	68.5	69.5	70.8	71.6	72.7	72.7	72.7	72.7	73.1	73.1
≥ 1000	52.5	60.6	63.2	64.6	68.2	69.3	70.9	72.2	73.6	74.7	76.4	76.4	76.4	76.5	77.0	77.0
≥ 900	53.0	62.0	64.6	66.4	70.3	71.7	73.3	74.7	76.2	77.3	79.1	79.2	79.3	79.3	79.8	79.8
≥ 800	53.1	62.4	65.1	67.2	71.2	72.6	74.2	75.8	77.3	78.5	80.4	80.6	80.8	80.8	81.3	81.3
≥ 700	53.4	63.1	65.8	67.8	72.0	73.5	75.3	77.4	79.0	80.4	82.6	82.8	83.0	83.0	83.4	83.4
≥ 600	53.6	63.5	66.2	68.2	72.7	74.5	76.4	78.8	80.5	82.1	84.5	84.7	85.0	85.0	85.5	85.5
≥ 500	53.8	64.3	67.2	69.2	74.6	76.9	78.8	81.4	83.3	85.5	87.9	88.3	89.0	89.2	89.8	89.8
≥ 400	53.8	64.4	67.3	69.3	75.2	77.5	79.7	82.6	84.7	87.1	90.0	90.5	91.4	91.8	92.6	92.6
≥ 300	53.8	64.4	67.3	69.3	75.3	77.6	80.0	83.6	86.0	88.9	92.0	92.7	94.2	95.0	95.9	95.9
≥ 200	53.8	64.4	67.3	69.3	75.3	77.6	80.0	83.6	86.2	89.3	92.9	94.0	96.0	97.0	98.4	98.6
≥ 100	53.8	64.4	67.4	69.4	75.5	77.7	80.1	83.7	86.3	89.5	93.0	94.1	96.1	97.4	99.1	100.0
≥ 0	53.8	64.4	67.4	69.4	75.5	77.7	80.1	83.7	86.3	89.5	93.0	94.1	96.1	97.4	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

8-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING ≥ 20000	21.4	21.6	21.6	21.6	21.7	21.7	21.7	21.7	21.7	21.8	21.8	21.8	21.8	21.8	21.8	21.8
≥ 18000	23.5	23.8	23.8	23.8	23.9	23.9	23.9	23.9	23.9	24.0	24.0	24.0	24.0	24.0	24.0	24.0
IV 16000	24.0	24.2	24.2	24.2	24.3	24.3	24.3	24.3	24.3	24.4	24.4	24.4	24.4	24.4	24.4	24.4
IV 14000	24.3	24.5	24.5	24.5	24.6	24.6	24.6	24.6	24.6	24.7	24.7	24.7	24.7	24.7	24.7	24.7
IV 12000	25.3	25.5	25.5	25.5	25.6	25.6	25.6	25.6	25.6	25.7	25.7	25.7	25.7	25.7	25.7	25.7
IV 10000	27.0	27.3	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.5	27.5	27.5	27.5	27.5	27.5	27.5
IV 9000	29.1	29.5	29.5	29.5	29.6	29.6	29.6	29.6	29.6	29.7	29.7	29.7	29.7	29.7	29.7	29.7
IV 8000	29.7	30.1	30.1	30.1	30.2	30.2	30.2	30.2	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.3
IV 7000	31.7	32.3	32.3	32.3	32.4	32.4	32.4	32.4	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5
IV 6000	33.5	34.1	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.3	34.3	34.3	34.3	34.3	34.3	34.3
IV 5000	34.0	34.5	34.5	34.5	34.6	34.6	34.6	34.6	34.6	34.7	34.7	34.7	34.8	34.8	34.8	34.8
IV 4500	35.5	36.0	36.0	36.0	36.1	36.1	36.2	36.2	36.2	36.6	36.6	36.6	36.8	36.8	36.8	36.8
IV 4000	36.1	36.8	36.8	36.8	36.9	36.9	37.0	37.0	37.0	37.3	37.3	37.3	37.5	37.5	37.5	37.5
IV 3500	37.4	38.5	38.6	38.6	38.7	38.7	38.8	38.8	38.8	39.1	39.1	39.1	39.4	39.4	39.4	39.4
IV 3000	39.2	40.6	40.8	40.8	41.0	41.0	41.1	41.1	41.1	41.4	41.4	41.4	41.6	41.6	41.6	41.6
IV 2500	43.0	45.4	45.9	45.9	46.5	46.6	47.0	47.0	47.0	47.3	47.3	47.3	47.5	47.5	47.5	47.5
IV 2000	48.3	51.2	52.6	52.6	53.7	54.0	54.5	54.9	54.9	55.3	55.3	55.3	55.5	55.5	55.5	55.5
IV 1800	52.0	56.2	58.0	58.1	59.7	60.2	61.4	61.9	62.3	62.9	63.0	63.0	63.2	63.2	63.3	63.3
IV 1500	52.8	57.6	59.8	60.0	61.6	62.2	63.4	64.1	64.5	65.2	65.3	65.3	65.5	65.5	65.6	65.6
IV 1200	54.8	60.6	63.2	63.5	66.0	66.8	68.6	69.6	70.5	71.3	71.6	71.6	71.8	71.8	71.9	72.0
IV 1000	55.9	62.0	64.8	65.4	68.2	69.1	71.2	72.2	73.3	74.3	74.6	74.6	74.9	74.9	75.1	75.2
IV 900	57.2	63.9	66.7	67.4	70.6	71.9	74.5	75.5	76.8	78.0	78.4	78.4	79.1	79.1	79.2	79.4
IV 800	57.4	64.4	67.6	68.7	72.2	73.5	76.1	77.2	78.5	79.8	80.4	80.4	81.2	81.2	81.3	81.4
IV 700	57.5	64.5	68.0	69.0	72.8	74.3	77.1	78.2	79.8	81.3	82.7	82.7	83.7	83.7	83.8	83.9
IV 600	57.7	65.3	68.7	69.9	73.9	75.4	78.5	80.1	82.3	84.1	85.6	85.6	86.6	86.6	86.7	86.8
IV 500	58.3	65.8	69.5	70.6	74.6	76.1	79.5	81.1	83.2	85.2	87.0	87.0	88.0	88.0	88.1	88.2
IV 400	58.4	66.3	70.3	71.5	75.8	77.4	81.0	82.7	85.1	87.0	89.2	89.2	90.6	90.8	90.9	91.0
IV 300	58.4	66.3	70.3	71.5	76.5	78.3	82.0	84.0	86.7	88.9	91.5	91.6	93.2	93.4	93.9	94.0
IV 200	58.4	66.3	70.3	71.5	76.5	78.3	82.4	84.6	87.6	89.6	92.5	92.8	95.2	95.5	96.0	96.1
IV 100	58.4	66.3	70.3	71.5	76.5	78.3	82.4	84.6	87.6	90.4	93.7	94.1	97.0	98.4	99.4	100.0
IV 0	58.4	66.3	70.3	71.5	76.5	78.3	82.4	84.6	87.6	90.4	93.7	94.1	97.0	98.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/42C

CEILING VERSUS VISIBILITY

94826

K I SAWYER AFB HI

4-8-77

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	>10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	24.9	25.7	25.8	25.8	25.9	25.9	25.9	26.0	26.0	26.0	26.0	26.0	26.2	26.2	26.3	26.3
≥ 20000	26.3	27.1	27.2	27.2	27.3	27.3	27.3	27.4	27.4	27.4	27.4	27.4	27.6	27.6	27.7	27.7
IV 18000	26.7	27.4	27.5	27.5	27.6	27.6	27.6	27.7	27.7	27.7	27.7	27.7	28.0	28.0	28.1	28.1
IV 16000	26.8	27.5	27.6	27.6	27.7	27.7	27.7	27.8	27.8	27.8	27.8	27.8	28.1	28.1	28.2	28.2
IV 14000	27.5	28.4	28.7	28.7	28.8	28.8	28.8	28.8	28.9	28.9	28.9	28.9	28.9	29.1	29.1	29.2
IV 12000	27.7	28.7	29.0	29.0	29.1	29.1	29.1	29.2	29.2	29.2	29.2	29.2	29.5	29.5	29.6	29.6
IV 10000	29.1	30.2	30.9	30.9	31.0	31.0	31.0	31.1	31.1	31.1	31.1	31.1	31.3	31.3	31.4	31.4
IV 9000	30.0	31.1	31.7	31.7	31.8	31.8	31.8	31.9	31.9	31.9	31.9	31.9	32.2	32.2	32.3	32.3
IV 8000	31.1	32.2	32.8	32.8	32.9	32.9	32.9	33.0	33.0	33.0	33.0	33.0	33.2	33.2	33.3	33.3
IV 7000	32.5	33.5	34.2	34.2	34.3	34.3	34.3	34.4	34.5	34.5	34.5	34.5	34.8	34.7	34.8	34.8
IV 6000	33.4	34.6	35.5	35.5	35.6	35.6	35.6	35.7	35.8	35.8	35.8	35.8	36.0	36.0	36.1	36.1
IV 5000	35.5	37.2	38.1	38.1	38.3	38.3	38.5	38.6	38.7	38.7	38.7	38.7	38.9	38.9	39.0	39.0
IV 4500	36.0	37.8	38.9	38.9	39.2	39.2	39.7	40.0	40.1	40.1	40.1	40.1	40.3	40.3	40.4	40.4
IV 4000	37.7	40.0	41.1	41.1	41.5	41.5	41.9	42.3	42.4	42.4	42.4	42.4	42.6	42.6	42.7	42.7
IV 3500	38.8	41.3	42.6	42.6	43.1	43.1	43.5	43.9	44.0	44.0	44.0	44.0	44.2	44.2	44.3	44.3
IV 3000	41.4	44.2	45.7	45.7	46.5	46.7	47.1	47.4	47.5	47.5	47.5	47.5	47.7	47.7	47.8	47.8
IV 2500	44.8	48.2	49.8	49.9	51.0	51.2	51.7	52.2	52.7	52.7	52.8	52.8	53.0	53.0	53.1	53.1
IV 2000	48.1	53.5	55.4	55.5	57.2	57.7	58.6	59.5	60.1	60.3	60.4	60.4	60.8	60.8	60.9	60.9
IV 1800	48.5	54.8	56.7	56.9	58.6	59.1	60.0	60.9	61.5	61.7	61.8	61.8	62.2	62.2	62.3	62.3
IV 1500	51.1	59.4	61.3	61.7	63.9	64.7	66.5	67.4	68.3	68.7	68.8	68.8	69.1	69.1	69.2	69.2
IV 1200	53.5	62.0	64.3	64.9	67.3	68.2	70.2	71.4	72.5	73.0	73.4	73.4	73.8	73.8	73.9	73.9
IV 1000	54.7	63.3	65.6	66.6	69.4	70.5	73.2	74.9	76.7	77.5	78.3	78.3	78.7	78.7	78.8	78.8
IV 900	55.8	64.6	66.9	67.8	70.8	71.9	74.6	76.3	78.1	79.0	79.8	79.8	80.2	80.2	80.3	80.3
IV 800	56.3	65.2	67.4	68.5	71.8	73.0	75.8	78.4	80.2	81.3	82.5	82.5	82.9	82.9	83.0	83.0
IV 700	56.6	65.7	68.2	69.4	73.0	74.2	77.2	80.2	82.2	83.5	85.1	85.2	85.6	85.6	85.7	85.7
IV 600	57.4	66.8	69.2	70.5	74.6	75.8	79.0	82.3	84.4	85.8	87.4	87.5	88.1	88.1	88.2	88.2
IV 500	57.7	67.4	70.0	71.3	75.8	77.2	80.8	84.3	87.2	88.8	90.5	90.8	91.9	91.9	92.0	92.0
IV 400	57.8	67.5	70.2	71.5	76.3	78.6	82.6	86.5	89.5	91.1	93.0	93.3	94.6	94.6	94.9	94.9
IV 300	57.8	67.5	70.3	71.6	76.8	79.1	83.5	87.7	91.3	93.5	95.7	96.0	97.7	97.8	98.2	98.2
IV 200	57.8	67.5	70.4	71.7	76.9	79.2	83.8	88.0	91.5	94.0	96.3	96.8	98.8	98.9	99.2	99.5
IV 100	57.8	67.5	70.4	71.7	76.9	79.2	83.8	88.0	91.5	94.0	96.3	96.8	98.8	98.9	99.2	99.9
IV 0	57.8	67.5	70.4	71.7	76.9	79.2	83.8	88.0	91.5	94.0	96.3	96.8	98.8	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

8-77

UFC

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO CEILING	26.0	26.3	26.3	26.3	27.0	27.0	27.1	27.1	27.1	27.1	27.1	27.2	27.3	27.4	27.4	27.4
≥ 2000	26.6	26.9	26.9	26.9	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.7	27.8	28.0	28.0	28.0
≥ 1800	26.6	26.9	26.9	26.9	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.7	27.8	28.0	28.0	28.0
IV 1600	26.6	26.9	26.9	26.9	27.5	27.5	27.6	27.6	27.6	27.6	27.6	27.7	27.8	28.0	28.0	28.0
IV 1400	26.9	27.2	27.2	27.2	27.8	27.8	28.0	28.0	28.0	28.0	28.0	28.1	28.2	28.3	28.3	28.3
IV 1200	27.2	27.6	27.6	27.6	28.3	28.3	28.4	28.4	28.4	28.4	28.4	28.5	28.6	28.7	28.7	28.7
IV 1000	29.1	29.7	29.7	29.7	30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.5	30.6	30.8	30.8	30.8
IV 800	30.3	31.0	31.0	31.0	31.6	31.6	31.7	31.7	31.7	31.7	31.7	31.8	31.9	32.0	32.0	32.0
IV 700	31.1	31.8	31.8	31.8	32.5	32.5	32.6	32.6	32.6	32.6	32.6	32.7	32.8	32.9	32.9	32.9
IV 600	31.8	32.6	32.6	32.6	33.2	33.2	33.3	33.3	33.3	33.3	33.3	33.4	33.5	33.7	33.7	33.7
IV 500	32.4	33.1	33.1	33.1	33.8	33.8	33.9	33.9	33.9	33.9	33.9	34.0	34.1	34.2	34.2	34.2
IV 450	34.1	35.3	35.5	35.5	36.2	36.3	36.5	36.5	36.5	36.5	36.5	36.6	36.7	36.8	36.8	36.8
IV 400	35.3	36.7	37.2	37.3	38.1	38.3	38.5	38.5	38.5	38.5	38.5	38.6	38.7	38.8	38.8	38.8
IV 350	37.4	39.7	40.3	40.4	41.2	41.4	41.6	41.6	41.7	41.7	41.7	41.8	41.9	42.0	42.0	42.0
IV 300	38.7	41.5	42.2	42.3	43.0	43.3	43.7	43.7	43.8	43.8	43.8	43.9	44.0	44.1	44.1	44.1
IV 250	40.5	43.7	44.8	44.9	45.9	46.2	46.7	46.7	46.8	46.8	46.8	46.9	47.0	47.1	47.1	47.1
IV 200	43.3	47.3	49.1	49.6	51.4	51.9	52.5	52.5	52.8	52.9	52.9	53.0	53.1	53.2	53.2	53.2
IV 1800	46.3	52.5	54.6	55.3	57.6	58.6	59.2	59.2	59.7	59.9	59.9	60.0	60.1	60.2	60.2	60.2
IV 1600	47.6	54.0	56.2	56.9	59.4	60.5	61.4	61.5	62.0	62.4	62.4	62.5	62.6	62.7	62.7	62.7
IV 1400	51.5	58.8	61.3	62.3	64.9	66.5	68.4	68.7	69.7	70.1	70.1	70.2	70.3	70.4	70.4	70.4
IV 1200	53.7	61.4	63.9	64.9	67.8	69.5	71.8	72.5	73.4	74.0	74.2	74.3	74.4	74.5	74.5	74.5
IV 1000	56.0	64.2	66.8	68.1	71.2	72.9	75.5	76.5	77.6	78.5	79.0	79.2	79.4	79.5	79.5	79.5
IV 900	56.1	64.6	67.2	68.5	71.8	73.5	76.1	77.2	78.6	79.5	80.2	80.4	80.5	80.6	80.6	80.6
IV 800	56.7	65.8	68.5	70.0	73.9	75.6	78.5	79.8	81.4	82.4	83.3	83.5	83.7	83.8	83.8	83.8
IV 700	56.8	66.0	68.7	70.8	74.8	76.7	79.7	81.0	82.7	84.1	85.2	85.4	85.7	85.8	85.8	85.8
IV 600	56.9	66.2	69.1	71.4	75.7	77.5	80.8	82.3	84.4	85.9	87.1	87.3	87.6	87.7	87.7	87.7
IV 500	57.1	66.7	69.8	72.2	76.7	78.7	82.0	83.5	86.1	87.8	89.7	89.9	90.6	90.9	90.9	90.9
IV 400	57.1	67.0	70.2	72.8	77.7	80.1	83.8	85.6	89.0	90.8	92.7	93.0	94.0	94.4	94.4	94.4
IV 300	57.1	67.0	70.2	72.8	78.4	81.1	84.8	86.9	90.8	92.6	95.1	95.4	96.7	97.2	97.2	97.2
IV 200	57.1	67.0	70.2	72.8	78.4	81.1	84.9	87.3	91.3	93.2	96.7	97.0	98.5	99.2	99.2	99.2
IV 100	57.1	67.0	70.2	72.8	78.4	81.1	84.9	87.3	91.3	93.2	96.7	97.0	98.5	99.5	99.6	99.8
IV 0	57.1	67.0	70.2	72.8	78.4	81.1	84.9	87.3	91.3	93.2	96.7	97.0	98.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/AC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB HI

8-77

DEC

PERCENTAGE FREQUENCY OF OCCURENCE
 FROM HOURLY OBSERVATIONS.

ALL

CEILING FEET	VISIBILITY STATISTICS															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512
NO CEILING	22.3	22.9	23.1	23.2	23.3	23.4	23.5	23.5	23.5	23.6	23.6	23.6	23.7	23.7	23.8	23.8
≥ 7000	23.5	24.2	24.4	24.5	24.6	24.6	24.8	24.8	24.8	24.8	24.9	24.9	25.0	25.0	25.0	25.2
IV 1800	23.8	24.5	24.7	24.8	25.0	25.0	25.1	25.2	25.2	25.2	25.2	25.3	25.4	25.4	25.4	25.5
IV 1600	24.0	24.7	24.9	25.0	25.2	25.2	25.3	25.4	25.4	25.4	25.5	25.5	25.6	25.6	25.6	25.7
IV 400	24.5	25.3	25.5	25.6	25.7	25.8	25.9	26.0	26.0	26.0	26.0	26.0	26.2	26.2	26.2	26.3
IV 1200	25.5	26.3	26.6	26.7	26.8	26.9	27.0	27.0	27.1	27.1	27.1	27.1	27.3	27.3	27.3	27.4
IV 1000	26.9	27.8	28.1	28.2	28.4	28.5	28.6	28.6	28.7	28.7	28.7	28.7	28.8	28.9	28.9	29.0
IV 900	27.7	28.6	29.0	29.1	29.3	29.4	29.5	29.5	29.6	29.6	29.6	29.6	29.7	29.8	29.8	29.9
IV 800	28.7	29.7	30.2	30.3	30.5	30.5	30.6	30.7	30.7	30.7	30.7	30.8	30.9	30.9	30.9	31.0
IV 700	29.7	30.7	31.2	31.3	31.5	31.5	31.6	31.7	31.7	31.7	31.7	31.8	31.9	31.9	31.9	32.0
IV 600	30.4	31.5	32.0	32.1	32.3	32.3	32.5	32.5	32.6	32.6	32.6	32.8	32.8	32.8	32.8	32.9
IV 500	32.6	34.1	34.7	34.9	35.2	35.3	35.5	35.6	35.6	35.7	35.7	35.7	35.9	35.9	35.9	36.1
IV 450	33.3	35.0	35.7	35.9	36.3	36.4	36.6	36.7	36.8	36.8	36.9	36.9	37.0	37.0	37.1	37.2
IV 400	35.0	37.1	38.0	38.2	38.6	38.7	39.0	39.2	39.2	39.3	39.4	39.4	39.6	39.6	39.6	39.7
IV 3500	36.1	38.6	39.5	39.8	40.3	40.4	40.8	40.9	41.0	41.1	41.2	41.2	41.3	41.4	41.4	41.5
IV 3000	38.8	41.9	43.0	43.4	44.3	44.4	44.8	45.0	45.1	45.2	45.3	45.3	45.5	45.5	45.6	45.7
IV 2500	42.8	47.0	48.6	49.1	50.5	50.8	51.4	51.7	51.9	52.0	52.1	52.1	52.3	52.3	52.4	52.5
IV 2000	46.3	51.8	53.1	54.4	56.4	57.0	58.0	58.5	58.9	59.2	59.4	59.4	59.6	59.7	59.8	59.9
IV 1800	47.5	53.4	55.3	56.3	58.4	59.0	60.1	60.6	61.1	61.4	61.6	61.6	61.8	61.8	61.9	62.1
IV 1500	50.4	57.1	59.5	60.6	63.2	64.1	65.9	66.8	67.6	68.0	68.3	68.4	68.6	68.6	68.7	68.8
IV 1200	52.3	59.5	62.1	63.5	66.5	67.4	69.4	70.5	71.4	72.0	72.4	72.5	72.7	72.7	72.8	73.0
IV 1000	53.9	61.6	64.5	66.2	69.4	70.5	72.8	74.1	75.2	76.0	76.7	76.8	77.1	77.1	77.2	77.4
IV 900	54.3	62.7	65.7	67.6	70.9	72.1	74.5	75.9	77.2	78.0	78.9	78.9	79.3	79.3	79.4	79.6
IV 800	54.6	63.1	66.3	68.2	71.8	73.1	75.7	77.3	78.9	79.8	81.0	81.1	81.6	81.6	81.7	81.8
IV 700	54.9	63.7	67.1	69.2	73.0	74.4	77.2	79.2	80.8	82.0	83.4	83.5	84.0	84.1	84.2	84.3
IV 600	55.3	64.4	67.9	70.1	74.2	75.7	78.8	80.9	82.8	84.1	85.6	85.7	86.3	86.3	86.4	86.6
IV 500	55.5	64.9	68.7	71.1	75.6	77.3	80.8	83.1	85.2	86.6	88.5	88.7	89.6	89.7	89.9	90.0
IV 450	55.6	65.2	69.0	71.5	76.4	78.5	82.5	85.0	87.3	89.0	91.2	91.5	92.5	92.7	93.0	93.1
IV 300	55.6	65.3	69.1	71.6	76.8	79.1	83.4	86.1	88.8	90.8	93.5	93.8	95.3	95.7	96.0	96.1
IV 200	55.6	65.3	69.1	71.6	76.8	79.2	83.6	86.5	89.4	91.6	94.7	95.2	97.3	98.0	98.6	99.1
IV 100	55.6	65.3	69.1	71.6	76.9	79.2	83.6	86.5	89.4	91.7	94.8	95.3	97.5	98.3	99.2	99.9
IV C	55.6	65.3	69.1	71.6	76.9	79.2	83.6	86.5	89.4	91.7	94.8	95.3	97.5	98.3	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 7437

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

94836

K I SAWYER AFB MI

8-78

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE
 FROM HOURLY OBSERVATIONS

ALL

CEILING FEET	20	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10
NO CEILING	40.5	41.7	42.1	42.4	42.7	42.8	42.9	43.0	43.1	43.1	43.2	43.2	43.3	43.3	43.3	43.4		
≥ 2000	43.5	44.9	45.4	45.7	46.1	46.2	46.3	46.4	46.5	46.5	46.6	46.6	46.7	46.7	46.7	46.8		
≥ 1800	43.9	45.3	45.8	46.1	46.5	46.5	46.7	46.8	46.9	46.9	47.0	47.0	47.1	47.1	47.2	47.3		
≥ 1600	44.1	45.5	46.1	46.3	46.7	46.8	47.0	47.0	47.1	47.2	47.2	47.2	47.3	47.3	47.4	47.5		
≥ 1400	44.8	46.3	46.8	47.1	47.5	47.6	47.8	47.9	47.9	48.0	48.0	48.0	48.1	48.1	48.2	48.3		
≥ 1200	46.0	47.6	48.1	48.4	48.8	48.9	49.1	49.2	49.2	49.3	49.4	49.4	49.5	49.5	49.5	49.6		
≥ 1000	48.1	49.8	50.4	50.7	51.2	51.2	51.4	51.5	51.6	51.6	51.7	51.7	51.8	51.8	51.9	52.0		
≥ 900	48.7	50.4	51.0	51.3	51.8	51.9	52.1	52.2	52.3	52.3	52.4	52.4	52.5	52.5	52.5	52.6		
≥ 800	50.1	52.0	52.6	52.9	53.4	53.5	53.7	53.8	53.9	54.0	54.0	54.0	54.1	54.2	54.2	54.3		
≥ 700	51.4	53.3	54.0	54.3	54.9	54.9	55.1	55.3	55.4	55.4	55.5	55.5	55.6	55.6	55.7	55.8		
≥ 600	52.6	54.7	55.4	55.7	56.3	56.4	56.6	56.8	56.8	56.9	57.0	57.0	57.1	57.1	57.2	57.3		
≥ 500	54.8	57.0	57.8	58.3	58.9	59.0	59.3	59.4	59.5	59.6	59.7	59.7	59.8	59.8	59.9	60.0		
≥ 4500	55.6	58.0	58.9	59.3	60.0	60.1	60.4	60.5	60.6	60.7	60.8	60.8	60.9	60.9	61.0	61.1		
≥ 4300	57.7	60.5	61.4	61.9	62.7	62.9	63.2	63.4	63.5	63.6	63.6	63.7	63.8	63.8	63.9	63.9		
≥ 3500	58.9	61.8	62.8	63.3	64.2	64.3	64.7	64.9	65.0	65.1	65.1	65.2	65.3	65.3	65.4	65.4		
≥ 3000	61.4	64.7	65.8	66.4	67.5	67.7	68.1	68.4	68.5	68.6	68.7	68.7	68.8	68.8	68.9	69.0		
≥ 2500	64.1	67.8	69.2	70.0	71.3	71.5	72.0	72.3	72.5	72.6	72.7	72.7	72.9	72.9	73.0	73.0		
≥ 2000	66.5	70.7	72.3	73.2	74.8	75.1	75.8	76.2	76.4	76.6	76.6	76.8	76.9	76.9	77.0	77.1		
≥ 1800	67.2	71.6	73.2	74.1	75.7	76.1	76.8	77.2	77.5	77.7	77.8	77.8	78.0	78.0	78.1	78.2		
≥ 1500	69.1	73.9	75.7	76.7	78.6	79.0	79.9	80.5	80.8	81.1	81.2	81.3	81.4	81.5	81.5	81.6		
≥ 1200	70.2	75.4	77.3	78.4	80.5	81.0	82.0	82.6	83.0	83.3	83.5	83.6	83.7	83.8	83.9	83.9		
≥ 1000	71.0	76.4	78.4	79.7	81.9	82.4	83.7	84.4	84.8	85.2	85.6	85.6	85.8	85.8	85.9	86.0		
≥ 900	71.3	76.9	79.0	80.3	82.7	83.2	84.5	85.2	85.7	86.1	86.5	86.5	86.8	86.8	86.9	87.0		
≥ 800	71.6	77.3	79.6	80.9	83.4	84.0	85.3	86.1	86.7	87.2	87.6	87.7	87.9	88.0	88.1	88.2		
≥ 700	71.8	77.7	80.0	81.5	84.1	84.8	86.2	87.1	87.7	88.3	88.9	88.9	89.2	89.3	89.4	89.5		
≥ 600	72.0	78.0	80.5	81.9	84.8	85.5	87.1	88.1	88.8	89.4	90.0	90.1	90.4	90.5	90.6	90.7		
≥ 500	72.2	78.4	80.9	82.5	85.6	86.6	88.5	89.7	90.5	91.2	92.0	92.1	92.5	92.6	92.8	92.9		
≥ 400	72.2	78.5	81.2	82.8	86.3	87.2	89.3	90.8	91.7	92.6	93.5	93.6	94.1	94.2	94.4	94.6		
≥ 300	72.3	78.6	81.3	83.0	86.6	87.6	90.0	91.7	92.9	94.0	95.1	95.3	96.0	96.2	96.5	96.7		
≥ 200	72.3	78.6	81.3	83.0	86.7	87.7	90.2	92.0	93.4	94.6	96.1	96.3	97.4	97.7	98.3	98.4		
≥ 100	72.3	78.6	81.3	83.0	85.7	87.7	90.2	92.0	93.4	94.7	96.2	96.4	97.6	98.0	98.8	99.9		
≥ 0	72.3	78.6	81.3	83.0	86.7	87.7	90.2	92.0	93.4	94.7	96.2	96.4	97.6	98.0	98.8	100.0		

TOTAL NUMBER OF OBSERVATIONS 87586

TOTAL SKY COVER

FOR THE PERIOD OF RECORD 1971 AND LATER THE AIRWAYS
SYMBOLS OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED
WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SKY COVER

94836
STATION

K I SAWYER AFB HI
STATION NAME

73-78
PERIOD

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER											MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9	10			
JAN	ALL	9.6			16.6							19.9	54.0	7.7	3707
FEB		10.1			17.9							20.5	51.4	7.5	4052
MAR		13.3			18.8							15.9	52.0	7.2	4460
APR		17.9			20.1							18.4	43.6	6.6	4318
MAY		16.8			25.0							21.5	35.8	6.3	4455
JUN		12.5			27.0							27.5	33.1	6.6	4287
JUL		13.7			35.8							26.2	24.3	5.9	4436
AUG		16.2			31.4							23.9	28.6	5.9	4443
SEP		13.4			22.8							24.3	39.5	6.8	4303
OCT		13.3			21.2							25.5	40.0	6.9	4452
NOV		11.5			13.5							20.4	54.7	7.7	4304
DEC		8.2			13.6							18.5	59.6	8.1	3710
TOTALS		13.0			22.1							21.9	43.1	6.9	50927

USAFETAC

FORM 0-95 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

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

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

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

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

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

- a. Extreme maximum temperature
- b. Extreme minimum temperature

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

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

Continued on Reverse

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

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

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

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

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

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

AIR WEATHER SERVICE/MAC

STATION 94836 K I SAWYER AFB MI STATION NAME

59-YR

YEARS

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
100						.2							.0
95							1.0	.3					.1
90					.7	1.9	2.9	2.5	.4				.7
85					2.5	7.4	10.5	8.5	2.1				2.6
80				.2	8.1	18.6	29.4	22.8	6.5	1.0			7.4
75				1.2	14.3	34.7	52.3	43.6	15.8	4.1			13.9
70				4.0	26.3	54.4	75.2	65.0	27.5	9.3			22.0
65				7.4	37.5	70.2	89.0	81.3	43.2	17.5	1.1		29.1
60			.5	14.4	52.3	83.0	98.0	93.2	63.2	29.5	2.6		36.6
55		.2	1.5	24.6	63.2	92.6	99.7	99.2	80.0	45.2	5.8	.3	43.1
50		.6	5.6	36.0	77.1	98.4	100.0	100.0	93.0	61.6	12.3	.7	49.0
45	.3	1.3	10.7	52.3	90.3	99.7			98.8	76.6	22.3	1.4	54.7
40	2.0	4.1	21.7	67.4	96.3	100.0			100.0	88.5	37.4	3.4	60.3
35	6.8	10.2	39.9	83.0	99.3					95.8	57.2	12.7	67.3
30	19.7	23.3	60.1	95.1	100.0					99.8	78.1	29.9	75.7
25	33.3	44.1	80.5	98.8						100.0	93.2	53.0	83.7
20	52.0	63.1	90.5	99.6							96.8	75.9	89.9
15	68.3	79.1	97.3	100.0							99.3	88.6	94.4
10	82.0	89.2	99.2								99.6	95.6	97.2
5	91.2	95.7	100.0								100.0	98.6	98.8
0	97.3	98.7										100.0	99.7
-5	99.2	99.4											99.9
-10	99.8	100.0											100.0
-15	100.0												100.0
MEAN	19.6	22.6	32.4	46.2	60.5	70.1	74.9	72.9	63.5	53.4	37.3	25.0	48.2
S. D.	10.508	10.017	9.757	11.783	12.572	10.113	7.997	8.592	10.025	11.471	10.103	8.713	22.080
TOTAL OBS	589	537	589	570	589	570	589	589	570	589	570	589	6940

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC

DAILY TEMPERATURES

AIR WEATHER SERVICE/MAC

94836

K I SAWYER AFB MI

-9-78

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
70							.5	.5					.1
65					.2	1.2	5.8	2.7	1.8	.2			1.0
60					1.4	7.2	22.6	16.3	5.4	1.0			4.5
55					6.8	18.9	43.6	36.2	14.0	2.7			10.3
50				1.2	12.4	41.1	65.9	62.6	29.3	7.5	.2		18.5
45				4.0	26.3	42.2	86.9	80.3	50.0	18.8	.7	.2	27.8
40			.2	8.2	47.9	82.6	97.3	93.7	69.3	33.6	5.1		36.1
35			2.7	17.2	60.3	94.2	99.7	98.8	85.1	49.7	11.5	.7	43.6
33	.3	.2	4.2	24.4	66.7	96.5	99.8	99.7	91.2	59.9	16.0	2.0	47.0
30	1.2	.9	9.3	40.0	82.5	99.3	100.0	100.0	97.4	75.9	30.0	6.5	53.8
25	6.1	3.5	24.1	68.1	95.1	100.0			99.1	92.5	57.2	14.8	63.6
20	12.4	11.7	39.7	82.0	99.5				100.0	98.1	73.5	27.2	70.6
15	22.4	23.8	52.0	92.1	100.0					99.5	85.8	43.3	76.8
10	35.0	39.1	64.5	96.5						100.0	92.8	59.1	82.4
5	48.2	52.5	74.5	98.8							97.9	70.8	87.0
0	61.6	65.0	85.2	99.8							99.3	81.5	91.1
-5	74.9	75.6	93.5	100.0							100.0	90.7	94.6
-10	84.4	87.0	96.8									97.1	97.1
-15	91.3	94.2	99.3									99.2	98.7
-20	96.9	98.9	99.5									99.8	99.6
-25	99.8	100.0	100.0									100.0	100.0
-30	100.0												100.0
MEAN	3.7	4.6	14.1	27.4	38.1	47.5	53.1	51.5	44.5	36.0	24.6	11.5	29.7
S. D.	12.980	12.340	12.611	8.895	9.253	7.979	7.420	7.635	9.034	8.893	9.282	11.938	19.965
TOTAL OBS.	589	537	589	570	589	570	589	589	570	589	570	589	6940

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC
 94836 K I SAWYER AFB MI
 STATION STATION NAME

DAILY TEMPERATURES

69-78

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM DAILY OBSERVATIONS)

MEAN

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
85							.2						.0
80						.2	1.0	.5					.1
75					.7	2.5	7.3	4.9	1.9				1.5
70					2.9	10.0	22.9	17.3	4.7	.5			4.9
65					9.5	26.7	48.7	40.9	13.0	1.9			11.8
60				1.9	17.3	48.6	73.0	63.3	27.7	7.1			20.1
55				4.6	28.9	69.3	93.4	85.1	47.4	17.0	.2		29.0
50			.3	6.9	47.0	85.6	99.2	97.5	67.2	31.2	2.1	.2	36.8
45			1.5	19.8	64.5	97.2	100.0	99.8	87.4	49.4	7.9	.5	44.2
40			5.3	36.5	83.0	99.8		100.0	97.4	68.4	17.2	1.2	51.0
35	.7	.9	13.9	58.9	95.4	100.0			99.6	87.3	36.0	3.4	58.3
30	5.6	5.4	31.1	80.0	99.8				100.0	96.3	59.8	12.4	66.1
25	14.6	15.3	47.9	92.3	100.0					99.5	77.9	28.5	73.2
20	27.0	34.1	64.0	97.4						100.0	90.4	47.4	80.2
15	42.1	49.3	78.4	99.3							95.8	66.7	86.1
10	58.2	65.0	91.3	100.0							99.1	80.8	91.3
5	79.0	80.3	96.9								99.6	91.2	95.1
0	83.9	90.1	98.8								100.0	96.6	97.5
-5	92.4	96.5	99.8									99.3	99.0
-10	98.1	99.3	100.0									100.0	99.8
-15	99.8	100.0											100.0
-25	100.0												100.0
MEAN	11.8	13.8	23.5	37.1	49.5	59.0	64.2	62.5	54.3	44.9	31.2	18.5	39.2
S. D.	11.372	10.418	10.287	9.285	9.998	8.121	6.906	7.253	8.658	9.331	9.145	9.833	20.612
TOTAL OBS.	589	537	589	570	589	570	589	389	570	589	570	589	6940

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-78

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11	12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
44/ 43		.2																	2	2		
42/ 41		.1																	1	1	3	2
40/ 39		.1																	1	1	1	1
38/ 37	.3	.1																	4	4	4	4
36/ 35		.4																	4	4	1	1
34/ 33	.3	.6																	9	9	8	4
32/ 31	.2	1.9																	20	20	12	5
30/ 29	.8	.9																	15	15	21	15
28/ 27	1.6	2.2																	35	35	30	22
26/ 25	1.4	2.4																	35	35	28	18
24/ 23	.4	3.9	.1																41	41	40	32
22/ 21	.4	3.0																	32	32	35	18
20/ 19	1.2	3.6	.2																46	46	43	33
18/ 17	1.0	4.6																	52	52	46	32
16/ 15	1.0	4.8																	54	54	52	41
14/ 13	.4	4.0																	41	41	43	42
12/ 11	.9	4.6	.1																52	52	57	39
10/ 9	1.2	4.6																	54	54	48	45
8/ 7	.9	6.0																	64	64	59	56
6/ 5	.8	4.5																	49	49	53	41
4/ 3	1.5	2.8																	40	40	55	31
2/ 1	.2	4.7																	46	46	36	50
0/ -1	4.1	.6																	44	44	60	47
-2/ -3	2.9	1.5																	41	41	41	32
-4/ -5	1.7	1.0																	25	25	28	28
-6/ -7	1.7	.1																	17	17	20	56
-8/ -9	4.3																		40	40	40	41
-10/-11	2.9																		27	27	27	25
-12/-13	1.0																		9	9	9	31
-14/-15	1.2																		11	11	11	33
-16/-17	1.1																		10	10	10	19
-18/-19	.1																		1	1	1	26
-20/-21	.2																		2	2	2	15
-22/-23	.2																		2	2	2	11
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.		Mean No. of Hours with Temperature						Total									
Rel. Hum.							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																						
Wet Bulb																						
Dew Point																						

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB HI 9-73 JAN
 STATION STATION NAME YEARS MONTH
 PAGE 1 0300-0500
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																		
42/ 41		.1																															1	1				
40/ 39																																				1		
38/ 37	.3	.2																																5	5	4	4	
36/ 35		.4																																4	4	1	1	
34/ 33		.4																																4	4	7	1	
32/ 31	.8	1.1	.2																															19	19	15	11	
30/ 29	.9	1.3																																20	20	17	12	
28/ 27	1.8	2.0																																36	36	33	18	
26/ 25	1.0	2.5																																32	32	31	29	
24/ 23	.1	2.4																																23	23	18	19	
22/ 21	.5	4.5																																47	47	43	21	
20/ 19	2.2	2.6																																44	44	55	26	
18/ 17	1.1	3.7																																44	44	32	47	
16/ 15	.9	4.1																																46	46	53	44	
14/ 13	.3	4.4																																44	44	34	32	
12/ 11	1.5	4.7																																58	58	59	26	
10/ 9	1.7	4.3																																56	56	63	45	
8/ 7	.8	5.1																																54	54	40	55	
6/ 5	.5	3.4																																37	37	52	45	
4/ 3	2.3	3.5																																54	54	54	42	
2/ 1	1.1	4.6																																53	53	46	30	
0/ -1	3.2	1.6																																45	45	52	46	
-2/ -3	2.2	1.3																																32	32	44	46	
-4/ -5	2.0	1.4																																32	32	30	35	
-6/ -7	3.2																																	30	30	35	36	
-8/ -9	3.2																																	30	30	30	38	
-10/-11	3.1																																	29	29	29	32	
-12/-13	1.0																																	9	9	9	29	
-14/-15	2.0																																	19	19	19	38	
-16/-17	1.4																																	13	13	13	33	
-18/-19	.3																																	3	3	3	19	
-20/-21	.3																																	3	3	3	20	
-22/-23																																					13	
-24/-25	.4																																	4	4	4	17	
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																																
Rel. Hum.						≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 °	≥ 80 F	≥ 93 F	Total																										
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE, MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

69-76

YEARS

JAN
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
48/ 47					.1													1	1																
46/ 45					.3													3	3																
44/ 43				.1	.1													2	2																
42/ 41	.2																	2	2	2	2														
40/ 39	.1		.3															4	4	2	1														
38/ 37		.6	.1	.1														8	8	6															
36/ 35		.5	.3															8	8	9	3														
34/ 33		.4	.6	.4														14	14	9	3														
32/ 31	.6	2.3	1.0	.1														37	37	19	12														
30/ 29	.6	1.7	1.1	.2														34	34	38	16														
28/ 27	1.6	2.4	.9															45	45	39	39														
26/ 25	.2	4.0	.3															42	42	36	24														
24/ 23		3.3	1.4															44	44	44	17														
22/ 21	.1	4.7	1.0															54	54	44	21														
20/ 19	.2	6.9	1.4															79	79	64	33														
18/ 17	.4	5.6	2.0	.1														76	76	76	40														
16/ 15	.3	6.6	1.1															74	74	74	61														
14/ 13		3.7	1.0															43	43	76	40														
12/ 11	.3	7.5	.8															80	80	45	62														
10/ 9		8.3	.4															81	81	74	60														
8/ 7		5.3	.1															50	50	83	54														
6/ 5		3.1																29	29	46	39														
4/ 3	.1	3.8																36	36	27	44														
2/ 1	.2	2.8																28	28	43	52														
0/ -1	1.1	1.3																22	22	31	44														
-2/ -3	.2	1.0																11	11	18	49														
-4/ -5	.1	.4																5	5	6	42														
-6/ -7	.1	.5																6	6	7	29														
-8/ -9	.6																	6	6	6	34														
-10/ -11	.2																	2	2	2	30														
-12/ -13	.1																	1	1	1	21														
-14/ -15	.1																	1	1	1	19														
-16/ -17																					10														
-18/ -19																					11														
Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.		Mean No. of Hours with Temperature																												
Rel. Hum.							≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																						
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI
STATION STATION NAME

69-76

YEARS

JAN
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL	
	0	1	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B./W.B.	Dry Bulb, Wet Bulb, Dew Point	
20/-21																				6
22/-23																				4
24/-25																				2
26/-27																				1
28/-29																				2
30/-31																				1
TOTAL	7.8	76.8	13.6	1.1	.5												928	928	928	

Element (X)	Σx^2	Σx	\bar{x}	σ_s	No. Obs.	Mean No. of Hours with Temperature						
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Rel. Hum.	4291177	61795	66.6	13.790	928							
Dry Bulb	339716	15072	16.2	10.119	928	5.4	88.8					93
Wet Bulb	285284	13468	14.5	9.844	928	7.2	90.2					93
Dew Point	197238	6260	6.7	12.931	928	30.6	92.1					93

USAFETAC FCIM 0-26.5 (O.L.A.) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 JAN 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB HI

19-78

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1800-2000

HOURS U. S. T. I.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)												TOTAL		TOTAL										
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
40/ 39	.1	.2																3	3	2	1				
38/ 37	.2	.4	.2															5	6	4	4				
36/ 35		.8	.3															10	10	3	2				
34/ 33		.5	.3															8	8	14	2				
32/ 31	.2	2.7	.1															28	28	19	9				
30/ 29	1.2	2.2	.2															33	32	35	16				
28/ 27	1.2	1.7	.5	.2														34	34	27	34				
26/ 25	.2	3.7	.5															41	41	27	26				
24/ 23	.2	3.8	.1															38	38	42	15				
22/ 21	.3	4.1	.2															43	43	48	23				
20/ 19	1.2	4.1																49	49	50	25				
18/ 17	.9	5.7	.4															65	65	53	51				
16/ 15	.9	4.6	.4															55	55	60	52				
14/ 13	.2	6.5	.3															65	65	45	35				
12/ 11	.4	5.5	.1															56	56	68	43				
10/ 9	.8	6.2																65	65	69	49				
8/ 7	.3	6.1																60	60	48	59				
6/ 5	.4	4.1																42	42	62	41				
4/ 3	.1	5.4																51	51	40	52				
2/ 1	.3	4.7																47	47	61	58				
0/ -1	2.7	1.1																25	35	49	32				
-2/ -3	1.1	1.0																19	19	26	35				
-4/ -5	.9	1.8																25	25	16	43				
-6/ -7	1.7	.1																17	17	29	53				
-8/ -9	1.8																	17	17	17	32				
-10/-11	.6																	6	6	6	37				
-12/-13	.5																	5	5	5	25				
-14/-15	.2																	2	2	2	15				
-16/-17	.2																	2	2	2	12				
-18/-19	.1																	1	1	1	14				
-20/-21																					9				
-22/-23																					6				
-24/-25																					11				
-26/-27																					6				
Element (X)	Σx'	Σx	X̄	s _x	No. Obs.												Mean No. of Hours with Temperature								
Rel. Hum.																		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 104 JUN 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI STATION NAME

9-78 YEARS

JAN MONTH

PAGE 1 2100-2309 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL C.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point					
40/ 39		.3																3	3	2	1				
38/ 37	.2	.2																4	4	5	4				
36/ 35	.3	.1	.3															7	7	4	5				
34/ 33	.1	.5	.2															8	8	7	2				
32/ 31		2.5																23	23	11	3				
30/ 29	1.0	2.5																32	32	37	14				
28/ 27	.8	1.6	.2															24	24	22	29				
26/ 25	1.2	3.0																39	39	31	30				
24/ 23	.4	3.2	.2															36	36	37	20				
22/ 21	.1	4.1	.3															42	42	44	21				
20/ 19	.9	4.9	.2															56	56	31	23				
18/ 17	.4	4.6	.3															50	50	65	44				
16/ 15	.3	4.0																40	40	50	33				
14/ 13	.9	4.2	.1															48	48	36	49				
12/ 11	.5	5.4	.1															56	56	50	38				
10/ 9	1.1	6.0																66	66	74	49				
8/ 7	.9	6.5																68	68	56	44				
6/ 5	.9	2.9																35	35	59	52				
4/ 3	1.8	3.3																48	48	43	38				
2/ 1	.8	4.1																45	45	46	55				
0/ -1	3.5	.9																41	41	53	50				
-2/ -3	2.0	1.2																30	30	33	41				
-4/ -5	2.4	.8																29	29	32	33				
-6/ -7	2.3																	21	21	23	42				
-8/ -9	3.2																	30	30	30	37				
-10/-11	2.2																	20	20	20	35				
-12/-13	1.2																	11	11	11	26				
-14/-15	.5																	5	5	5	26				
-16/-17	.6																	6	6	6	20				
-18/-19	.4																	4	4	4	14				
-20/-21	.3																	3	3	3	8				
-22/-23																					10				
-24/-25																					15				
-26/-27																					12				
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

09-78

JAN

STATION

STATION NAME

YEARS

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
28/-29																					2
30/-31																					1
32/-33																					1
34/-35																					3
TOTAL	31.266.8	2.0																930	930	930	

Element (X)	$\Sigma x'$	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	5215269	68803	74.01	1.605	930							
Dry Bulb	248321	10025	10.81	2.287	930	20.0	90.8					93
Wet Bulb	224879	9243	9.91	1.966	930	22.0	91.2					93
Dew Point	207864	3732	4.01	4.409	930	37.6	91.8					93

USAFETAC FORM 0-26-5 (OLA) REVIDED METEORUS EDIORS OF THE FORM ARE OLSOITE
 JUL 64

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

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PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
48/ 47					.0													1	1																
46/ 45					.0													3	3																
44/ 43		.0			.0													5	5																
42/ 41	.1	.0			.0													9	9	8	7														
40/ 39	.1	.1	.0	.0														18	18	13	9														
38/ 37	.1	.3	.1	.0														39	39	26	17														
36/ 35	.0	.4	.2															46	46	30	16														
34/ 33	.1	.5	.2	.1														63	63	59	20														
32/ 31	.4	1.8	.2	.1														189	189	116	59														
30/ 29	.8	1.9	.2	.0														218	218	220	107														
28/ 27	1.3	2.2	.3	.0														279	279	265	211														
26/ 25	.8	2.8	.2															274	274	229	202														
24/ 23	.4	2.9	.3															262	262	268	174														
22/ 21	.4	3.9	.2															340	340	307	172														
20/ 19	1.3	4.6	.3															459	459	396	218														
18/ 17	.8	5.0	.5	.0														471	471	450	296														
16/ 15	.6	5.2	.3															461	461	483	373														
14/ 13	.5	4.7	.2															403	403	408	331														
12/ 11	.6	5.5	.2															468	468	442	355														
10/ 9	1.1	6.3	.1															552	553	536	412														
8/ 7	.6	5.8	.0															477	477	477	447														
6/ 5	.4	3.3																295	295	431	348														
4/ 3	1.0	3.6																343	343	333	332														
2/ 1	.5	4.1																341	341	350	393														
0/ -1	2.7	1.1																288	288	378	358														
-2/ -3	1.7	1.4																229	229	271	317														
-4/ -5	1.5	1.1																194	194	193	279														
-6/ -7	1.9	.2																156	156	191	316														
-8/ -9	2.6																	195	195	198	274														
-10/-11	1.7																	126	126	126	249														
-12/-13	.8																	58	58	58	220														
-14/-15	.9																	67	67	67	223														
-16/-17	.8																	56	56	56	166														
-18/-19	.3																	22	22	22	136														
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.		Mean No. of Hours with Temperature						Total																						
Rel. Hum.					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																									
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

69-7d

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STATION NAME

YEARS

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
36/ 35		.2	.1	.1														4	4		
34/ 33		.2		.1														3	3		
32/ 31		.8	.7															13	13	2	
30/ 29	.8	1.9	.5															27	27	19	4
28/ 27	.6	2.7	.4															31	31	36	15
26/ 25		4.0	.2															36	36	22	12
24/ 23	.7	4.6	.2															47	47	49	28
22/ 21	.8	5.6	.4															57	57	44	34
20/ 19	1.5	4.1																48	48	65	33
18/ 17	1.1	5.7	.4															60	60	58	51
16/ 15	1.3	4.5																49	49	55	47
14/ 13	1.1	3.4																38	38	37	57
12/ 11	2.7	4.0	.4															60	60	61	51
10/ 9	2.4	3.1																46	46	53	59
8/ 7	1.5	2.4																33	33	38	49
6/ 5	.2	3.7																33	33	26	36
4/ 3	.7	2.6																28	28	33	36
2/ 1	.6	5.2																49	49	42	28
0/ -1	2.8	.2																26	26	43	26
-2/ -3	3.1	.6																31	31	32	18
-4/ -5	2.7	.1																24	24	25	38
-6/ -7	2.1	.1																19	19	19	41
-8/ -9	2.1																	18	18	18	34
-10/ -11	2.2																	19	19	19	36
-12/ -13	1.5																	13	13	13	12
-14/ -15	1.8																	15	15	15	25
-16/ -17	.9																	8	8	8	10
-18/ -19	1.1																	9	9	9	16
-20/ -21	.2																	2	2	2	15
-22/ -23																					12
-24/ -25																					6
-26/ -27																					9
-28/ -29																					4
-30/ -31																					1
Element (X)	Z _X ²	Z _X	X̄	σ _X	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≈ 32 F	≈ 67 F	≈ 73 F	≈ 80 F	≈ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

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FEB

STATION

STATION NAME

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PAGE 1

0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
36/ 35			.2															2	2							
34/ 33			.2															3	3							
32/ 31	.1	.8	.2															10	10	6						
30/ 29	.5	1.7	.5															22	22	14	4					
28/ 27	.4	2.9																27	27	24	10					
26/ 25	.1	4.5	.2															41	41	31	17					
24/ 23	1.1	4.6	.2															50	50	53	22					
22/ 21	.5	5.6																51	51	38	35					
20/ 19	1.1	4.2	.1															45	46	58	36					
18/ 17	1.5	4.2	.7															54	56	61	41					
16/ 15	1.2	4.0																44	44	45	56					
14/ 13	.8	5.0																49	49	40	45					
12/ 11	1.7	4.2	.1															50	50	57	48					
10/ 9	3.6	2.5	.1															52	52	57	54					
8/ 7	1.0	3.2																35	35	29	56					
6/ 5	1.0	3.3																36	36	43	38					
4/ 3	1.2	3.3																38	38	39	26					
2/ 1	1.3	3.6																41	41	42	41					
0/ -1	2.9	.4																27	27	37	28					
-2/ -3	3.1	.4																29	29	32	25					
-4/ -5	2.4	.1																21	21	21	37					
-6/ -7	3.0	.1																26	26	26	34					
-8/ -9	2.3																	19	19	19	32					
-10/-11	1.5																	13	13	13	31					
-12/-13	1.5																	13	13	13	19					
-14/-15	2.0																	17	17	17	19					
-16/-17	1.2																	10	10	10	15					
-18/-19	1.2																	10	10	10	14					
-20/-21	.6																	5	5	5	14					
-22/-23																					18					
-24/-25	.2																	2	2	2	10					
-26/-27																					8					
-28/-29																					4					
-30/-31																					2					
Element (X)	Σx'	Σx	X̄	s _x	No. Obs.																Mean No. of Hours with Temperature					
Rel. Hum.																		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																										
Wet Bulb																										
Dew Point																										

FORM 0-26-5 (OL A) JUL 64 USAFETAC

REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
38/ 37			.1	.2															3	3															
36/ 35	.2		.5	.1															7	7	2	2													
34/ 33		.1	.2	.1															4	4	1														
32/ 31		1.5	.5																17	17	10														
30/ 29	.2	1.8	.2	.1															20	20	21														
28/ 27	.4	3.6	.7																39	39	23	14													
26/ 25	.6	3.8	1.2																47	47	45	30													
24/ 23	.7	4.6	.7																51	51	45	24													
22/ 21	.7	5.8	.7																61	62	59	35													
20/ 19	1.0	6.8	.6																70	70	58	33													
18/ 17	.2	4.4	.7																45	47	71	52													
16/ 15	.7	5.7																	54	54	49	49													
14/ 13	.8	6.1																	58	58	57	46													
12/ 11	1.3	3.8																	43	44	62	58													
10/ 9	1.5	3.7																	44	44	39	63													
8/ 7	.6	5.0																	47	47	34	64													
6/ 5	.2	4.5																	40	40	52	38													
4/ 3	1.8	3.6																	45	45	53	28													
2/ 1	.4	3.0																	28	28	29	32													
0/ -1	2.0	.6																	22	22	30	47													
-2/ -3	2.0	.8																	24	24	25	37													
-4/ -5	1.8	.5																	19	19	21	30													
-6/ -7	1.7																		14	15	16	33													
-8/ -9	1.4																		12	13	12	23													
-10/-11	.8																		7	7	7	25													
-12/-13	.5																		4	4	4	15													
-14/-15	.8																		7	7	7	19													
-16/-17	.5																		4	4	4	10													
-18/-19	.1																		1	2	1	11													
-20/-21	.1																		1	1	1	4													
-22/-23	.1																		1	1	1	6													
-24/-25																						4													
-26/-27																						2													
-30/-31																						4													
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

REPRODUCTION OF THIS FORM AT ONCE

FORM 0-26-5 (OL A)

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USAFETAC

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
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PSYCHROMETRIC SUMMARY

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	Dry Bulb	Wet Bulb	Dew Point					
50/ 49						.1												1	1						
48/ 47						.1												1	1						
46/ 45					.1													1	1						
44/ 43					.2													2	2						
42/ 41				.4	.2													5	5	1					
40/ 39			.1	.5	.1	.1												7	7						
38/ 27	.1		.1	.5	.2													8	8	3	1				
36/ 35	.2	.1	.7	.4	.2													14	14	9	2				
34/ 33		1.0	1.3	.5														23	23	11					
32/ 31		1.4	1.1	.8	.1													29	29	20	1				
30/ 29	.1	3.0	2.3	.1														46	46	35	10				
28/ 27	.4	3.6	1.9	.7														55	55	45	19				
26/ 25	.1	6.1	2.0	.4														72	72	60	26				
24/ 23	.5	2.7	2.5	.4														51	51	74	32				
22/ 21	.2	4.4	3.6	.1														70	70	40	44				
20/ 19	.8	5.1	2.9	.2														76	76	79	53				
18/ 17	.4	5.6	1.5															63	63	86	52				
16/ 15		5.7	1.0															56	56	68	48				
14/ 13	.2	3.3	1.2															40	40	57	44				
12/ 11	.1	4.6	.6															45	45	38	73				
10/ 9	.5	5.0	.2															48	49	47	60				
8/ 7		4.0	.1															35	35	50	57				
6/ 5	.1	3.0																26	26	34	54				
4/ 3	.6	2.6																27	27	27	38				
2/ 1		2.5																21	21	22	32				
0/ -1	.4	.2																5	5	20	30				
-2/ -3	.1	.6																6	7	5	39				
-4/ -5	.2																	2	3	4	31				
-6/ -7	.1																	1	1	1	29				
-8/ -9	.4																	3	3	3	17				
-10/ -11																					13				
-12/ -13	.4																	3	3	3	16				
-14/ -15																					8				
-16/ -17																					3				
Element (X)	Σx^2	Σx	\bar{x}	e_x	No. Obs.	Mean No. of Hours with temperature																			
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total													
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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GLOBAL CLIMATOLOGY BRANCH
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HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb Dew Point				
56/ 55								.1										1	1				
54/ 53							.2											2	2				
52/ 51								.1										1	1				
50/ 49								.1										1	1				
48/ 47								.1										1	1				
46/ 45					.1	.2												3	3				
42/ 41				.5	.4	.4												7	7	3			
40/ 39				.9	.4	.2												13	13	1			
38/ 37		.4	.1	.9	1.1													21	21	3			
36/ 35		.6	.2	.5														11	11	10			
34/ 33		.6	1.1	.8														21	21	19			
32/ 31		1.3	1.1	.5	.1													25	25	3			
30/ 29	.4	2.8	2.1	.7														51	52	38			
28/ 27	.1	5.3	3.1	1.1														81	81	49			
26/ 25	.1	2.8	3.7	.4														59	59	63			
24/ 23	.5	2.7	3.9	.5														64	64	68			
22/ 21	.1	4.1	3.2	.2														65	65	54			
20/ 19	.8	4.1	2.5	.2														65	65	57			
18/ 17	.2	4.3	2.4	.1														59	59	74			
16/ 15	.2	5.0	2.1															62	62	67			
14/ 13	.1	4.0	1.3															46	46	48			
12/ 11	.2	3.2	.7															35	35	55			
10/ 9	.4	5.4	.2															51	51	47			
8/ 7		3.4	.2															31	31	39			
6/ 5		2.2																19	19	33			
4/ 3	.5	3.2																31	31	23			
2/ 1		.8																7	7	24			
0/ -1																				5			
-2/ -3																				24			
-4/ -5	.4	.4																6	6	6			
-6/ -7																				21			
-8/ -9	.5																	4	4	4			
-10/ -11	.2																	2	2	2			
-12/ -13																				11			
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total											
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F												
Dry Bulb																							
Wet Bulb																							
Dew Point																							

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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GLOBAL CLIMATOLOGY BRANCH
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PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
52/ 51							.2											2	2																	
48/ 47						.1												1	1																	
46/ 45						.1												1	1																	
44/ 43				.1	.1													2	2																	
42/ 41					.1													1	1																	
40/ 39				.2	.2													4	4	2																
38/ 37	.1	.2	.1	.5	.2													10	10	4																
36/ 35			.6	.8	.1													13	13	4	2															
34/ 33		.6	1.2															15	15	6	1															
32/ 31		.9	.6	.1														14	14	18																
30/ 29	.8	1.4	1.4	.1														32	32	37	7															
28/ 27	.4	5.8	1.5															65	65	27	20															
26/ 25	.5	4.3	2.0	.4														60	60	64	70															
24/ 23	.4	3.6	2.6	.2														57	57	52	34															
22/ 21	.6	4.6	1.1	.1														54	54	56	45															
20/ 19	1.1	5.3	2.4															74	74	78	58															
18/ 17	.6	5.1	1.2															58	58	59	43															
16/ 15	.5	4.6	1.1															52	52	69	52															
14/ 13	1.1	3.3	.5															41	41	50	51															
12/ 11	1.1	4.9	.6															55	55	44	54															
10/ 9	.8	5.3	.2															54	54	55	74															
8/ 7	.4	4.9																44	44	55	39															
6/ 5	.4	2.8																27	27	45	42															
4/ 3	.7	2.8																30	30	23	47															
2/ 1	.7	2.2																25	25	33	44															
0/ -1	1.5	.2																15	15	23	37															
-2/ -3	.6	.7																11	11	12	34															
-4/ -5	.8	.4																10	10	10	23															
-6/ -7	.9	.1																8	8	9	22															
-8/ -9	.4																	3	3	3	34															
-10/-11	.6																	5	5	5	22															
-12/-13																					17															
-14/-15	.1																	1	1	1	17															
-16/-17	.1																	1	1	1	7															
Element (X)	ΣX^2	ΣX	\bar{X}	σ^2	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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

GLOBAL CLIMATOLOGY BRANCH
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1800-2000
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
20/-21																					1
24/-25																					2
26/-27																					3
32/-33																					1
34/-35																					2
TOTAL	14.9	64.1	7.0	2.6	.8	.2	.2											845	845	845	

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Tot.
Rel. Hum.	4233756	58618	69.4	14.083	845	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Dry Bulb	338709	14385	17.0	10.543	845	5.4	79.1					84
Wet Bulb	278758	12926	15.3	9.798	845	6.4	82.4					94
Dew Point	174027	7019	8.3	1.710	845	21.1	83.7					94

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836
STATION

K I SAWYER AFB HI
STATION NAME

9-73
YEARS

FEB
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
42/ 41									.1																								1	1				
40/ 39			.2						.1																									3	3			
38/ 37			.1	.2	.1																													4	4	2		
36/ 35				.6	.1	.1																												7	7	1	2	
34/ 33				.5	.5																													8	8	4	1	
32/ 31			.8	.2	.1																													10	10	9		
30/ 29	.7	2.4	.8																															33	34	21	4	
28/ 27	.6	4.2	1.3																															51	51	34	13	
26/ 25	.4	5.1	.8																															53	53	56	22	
24/ 23		3.2	.8																															34	34	49	26	
22/ 21	.2	5.0	.2																															46	47	44	33	
20/ 19	2.4	3.8	.1																															53	53	57	55	
18/ 17	1.7	5.5	.7																															66	66	62	46	
16/ 15	.8	6.6	.8																															70	70	63	62	
14/ 13	.8	4.4	.4																															47	47	53	50	
12/ 11	1.5	4.0																																47	47	53	63	
10/ 9	1.9	3.1																																42	42	53	56	
8/ 7	.8	4.2																																42	42	31	36	
6/ 5	.5	3.9																																37	37	43	30	
4/ 3	1.2	3.2																																37	37	40	38	
2/ 1	.8	3.2																																34	34	37	46	
0/ -1	2.0	.4																																20	20	30	32	
-2/ -3	1.7	1.1																																23	23	22	47	
-4/ -5	1.2	.6																																15	15	18	26	
-6/ -7	2.6																																	22	22	23	22	
-8/ -9	1.2																																	10	10	10	26	
-10/-11	1.4																																	12	12	12	23	
-12/-13	.5																																	4	4	4	16	
-14/-15	.7																																	6	6	6	23	
-16/-17	.2																																	2	2	2	15	
-18/-19	.5																																	4	4	4	8	
-20/-21																																					7	
-22/-23																																					1	
-24/-25																																					3	
Element (X)	ΣX'	ΣX	X	X ²	No. Obs.	Mean No. of Hours with Temperature																																
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																										
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

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STATION

STATION NAME

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ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
56/ 55																																1	1		
54/ 53											.0																					2	2		
52/ 51											.0	.0																				3	3		
50/ 49											.0	.0																				2	2		
48/ 47											.0	.0																				3	3		
46/ 45											.0	.0																				5	5		
44/ 43							.0	.0																								4	4		
42/ 41						.1	.1	.0																								14	14		
40/ 39			.0	.0	.2	.1	.0																									28	28		
38/ 37	.0	.1	.1	.3	.2																											50	50	12	1
36/ 35	.1	.1	.4	.3	.1																											61	61	27	8
34/ 33		.3	.7	.3																												85	85	43	6
32/ 31	.0	1.1	.6	.2	.0																											130	130	93	4
30/ 29	.4	1.1	1.0	.1																												247	249	20	42
28/ 27	.5	4.0	1.2	.2																												393	393	277	117
26/ 25	.2	4.5	1.3	.1																												416	416	371	166
24/ 23	.5	3.8	1.4	.1																												396	396	437	237
22/ 21	.5	5.3	1.2	.1																												475	477	393	301
20/ 19	1.2	4.7	1.1	.1																												474	475	537	384
18/ 17	.9	4.8	1.0	.0																												453	437	523	372
16/ 15	.8	5.0	.6																													433	433	464	434
14/ 13	.9	4.4	.4																													385	385	383	392
12/ 11	1.3	4.1	.3																													388	389	443	465
10/ 9	1.6	3.7	.1																													367	368	393	494
8/ 7	.6	3.8	.0																													301	301	307	394
6/ 5	.4	3.3																														246	246	303	321
4/ 3	1.0	3.1																														278	278	279	283
2/ 1	.6	3.1																														251	252	270	303
0/ -1	1.9	.3																														147	147	237	253
-2/ -3	1.6	.6																														149	150	153	262
-4/ -5	1.4	.3																														111	113	122	256
-6/ -7	1.5	.1																														107	108	109	231
-8/ -9	1.5																															98	99	100	210
-10/ -11	1.0																															70	70	77	184
Element (X)	Σ x ²		Σ x		Σ	Σ	No. Obs.															Mean No. of Hours with Temperature													
Rel. Hum.																						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL 1) REVED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI 69-78 FEB MONTH

PAGE 2

111 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
-12/-13	.7																	46	46	45	127
-14/-15	.8																	55	55	53	129
-16/-17	.5																	31	31	31	89
-18/-19	.4																	30	31	30	65
-20/-21	.1																	8	8	8	56
-22/-23	.0																	1	1	1	45
-24/-25	.0																	2	2	2	35
-26/-27																					37
-28/-29																					12
-30/-31																					14
-32/-33																					4
-34/-35																					10
-36/-37																					3
TOTAL	23.0	62.5	11.5	2.2	.5	.2	.1	.0										6746	6764	6746	6746

Element (X)	Z _x ²	Z _x	X	S _x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	35673395	482681	71.6	12.985	6746							
Dry Bulb	2381896	98174	14.5	11.895	6764	85.5	646.4					672
Wet Bulb	1999715	88531	13.1	11.146	6746	96.0	662.6					672
Dew Point	1383334	45032	6.7	12.673	6746	201.4	670.5					672

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point							
46/45				.2														2	2								
44/43			.1															1	1								
42/41		.1		.2														3	3								
40/39	.2	.9	.1	.1														12	12	10	2						
38/37	.6	.3	.9	.3														20	20	11	7						
36/35	.3	1.8	1.4	.8														40	40	9	9						
34/33	.5	2.4	1.2	.2														40	40	41	13						
32/31	.2	3.0	1.7	.2														48	48	43	11						
30/29	1.7	4.0	1.0	.3														65	65	72	46						
28/27	1.3	6.1	1.1															79	79	61	68						
26/25	1.4	6.3	1.7	.1														88	90	81	37						
24/23	.3	3.5	1.1	.2														47	47	76	51						
22/21	.1	3.3	.5															37	37	45	56						
20/19	1.9	3.0	.6															52	52	57	65						
18/17	.2	6.4	.6															67	67	43	54						
16/15	.3	3.5	.9															43	44	65	47						
14/13	.6	4.3	.3															49	49	49	50						
12/11	.5	2.8	.2															33	33	51	54						
10/9	1.0	3.5																41	41	33	43						
8/7	.6	2.4																28	28	30	54						
6/5	.8	1.9																25	25	32	42						
4/3	1.3	2.3																33	33	32	26						
2/1	.1	2.3																22	22	22	30						
0/-1	1.5	.3																17	17	26	31						
-2/-3	.8	.3																10	10	13	22						
-4/-5	.5	.2																7	7	6	28						
-6/-7	.4																	4	4	5	21						
-8/-9	1.0																	9	9	9	20						
-10/-11	.2																	2	2	2	9						
-12/-13																					6						
-14/-15	.2																	2	2	2	4						
-16/-17	.1																	1	1	1	6						
-18/-19																					5						
-20/-21																					7						
Element (X)	Σx²	Σx	\bar{x}	s _x	No. Obs.																	Mean No. of Hours with Temperature					
Rel. Hum.																		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total			
Dry Bulb																											
Wet Bulb																											
Dew Point																											

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836
 STATION

K I SAWYER AFB MI
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030)-0500
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
44/ 43			.1	.1														2	2		
42/ 41		.5	.1															6	6		
40/ 39	.3	.3	.1															7	7	3	
38/ 37	.1		.5	.1														7	7	6	
36/ 35	.6	1.5	.6															26	26	5	
34/ 33	.6	2.8	.6	.2														40	40	17	
32/ 31	.4	3.6	1.5	.3														54	54	16	
30/ 29	1.5	4.9	.5	.1														65	65	35	
28/ 27	2.3	4.2	.8	.2														69	59	71	
26/ 25	1.2	6.7	.3	.1														77	79	47	
24/ 23	.6	4.0	1.0	.1														53	54	33	
22/ 21	.2	4.3	.2															44	44	35	
20/ 19	1.7	3.1	.2															47	47	63	
18/ 17	.8	4.1	.6															51	51	83	
16/ 15	.3	6.8	.2															68	68	36	
14/ 13	.5	3.8	.1															41	41	31	
12/ 11	1.0	3.1																38	38	64	
10/ 9	.5	3.9																41	41	41	
8/ 7	.4	1.8																21	21	47	
6/ 5	.2	2.9																29	29	36	
4/ 3	1.8	1.7																33	33	34	
2/ 1	.3	2.4																25	25	32	
0/ -1	2.8	.3																29	29	34	
-2/ -3	1.4	.2																15	15	21	
-4/ -5	1.1	.2																12	12	26	
-6/ -7	1.0																	9	9	25	
-8/ -9	.2																	2	2	27	
-10/ -11	.9																	8	8	17	
-12/ -13	.1																	1	1	11	
-14/ -15	.1																	1	1	8	
-16/ -17	.2																	2	2	7	
-18/ -19																				2	
-20/ -21	.3																	3	3	6	
-22/ -23	.1																	1	1	2	
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

FORM 0-26-5 (OL A) JUL 64 USAFETAC

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

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HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
44/ 43		.4																	4	4	2														
42/ 41		.2		.1															3	3	3	4													
40/ 39		.3																	3	3	2	3													
38/ 37	.2	.9	.1																11	11	8	2													
36/ 35	.4	.8	.6																17	17	12	9													
34/ 33	.5	3.0	.5																38	38	18	13													
32/ 31	.5	4.0	.9	.1															51	51	49	16													
30/ 29	1.8	4.5	1.0																68	68	67	40													
28/ 27	3.0	3.7	.5	.4															71	71	63	72													
26/ 25	.9	6.0	1.0																72	75	51	36													
24/ 23	.3	4.2	.3																47	47	75	28													
22/ 21	1.0	3.9	.1																46	46	56	39													
20/ 19	1.1	3.8	.5																50	50	47	63													
18/ 17	.6	3.4	.9																45	45	50	60													
16/ 15	.6	3.9																	42	44	41	48													
14/ 13	.8	4.7																	50	50	48	37													
12/ 11	.8	2.5																	30	30	42	45													
10/ 9	.8	4.2																	46	46	38	47													
8/ 7	1.2	2.6																	35	35	45	39													
6/ 5	.3	2.7																	28	28	27	31													
4/ 3	1.1	3.0																	38	38	33	44													
2/ 1	.8	2.4																	29	29	38	42													
0/ -1	2.7	.4																	29	29	34	28													
-2/ -3	1.9	.8																	25	25	26	14													
-4/ -5	.6																		6	6	9	21													
-6/ -7	1.2																		11	11	11	35													
-8/ -9	1.6																		1	15	15	33													
-10/-11	.3																		3	3	3	26													
-12/-13	.2																		2	2	2	5													
-14/-15	.4																		4	4	4	19													
-16/-17	.3																		3	3	3	4													
-18/-19																						6													
-20/-21	.1																		1	1	1	2													
-22/-23	.1																		1	1	1	6													
Element (X)	Σx^2	Σx	\bar{x}	e_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
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PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
48/ 47				.1	.1													2	2																
46/ 45					.1	.1												2	2																
44/ 43		.4		.2	.1													7	7	3	1														
42/ 41		.3	.2	.2	.1													8	8	4	3														
40/ 39	.3	.8	.9	.5	.2													25	25	11	8														
38/ 37	.2	1.6	.5	1.1	.1													33	33	16	5														
36/ 35	.4	1.8	1.1	.2	.1													34	34	29	13														
34/ 33	.1	3.0	1.3	.7	.3													50	51	32	15														
32/ 31	.4	4.2	1.7	.4														63	64	74	29														
30/ 29	2.1	3.6	2.5	.7	.2													83	84	62	47														
28/ 27	1.1	5.1	3.6	.8														97	99	64	63														
26/ 25	.4	4.9	2.5	.7	.1													79	79	81	48														
24/ 23	.4	3.0	1.1	.3														45	46	90	34														
22/ 21	.1	4.3	2.3															62	62	60	57														
20/ 19	.8	4.3	2.2															67	68	61	60														
18/ 17	.2	3.3	1.3															44	44	63	28														
16/ 15	.1	3.9	1.3															49	49	56	64														
14/ 13	.2	4.2	1.1															51	51	59	37														
12/ 11		2.5	.2															25	25	39	59														
10/ 9	.1	3.7	.1															36	36	31	50														
8/ 7	.1	1.4																14	15	34	50														
6/ 5	.3	.5																8	8	11	42														
4/ 3	.4	1.0																13	13	14	38														
2/ 1		.5																5	5	4	29														
0/ -1	.5	.2																7	7	9	30														
-2/ -3	.2	.4																6	6	7	27														
-4/ -5	.1	.2																3	3	3	19														
-6/ -7	.1																	1	1	2	7														
-8/ -9	.2																	2	2	2	8														
-10/-11	.1																	1	1	1	7														
-12/-13																					4														
-14/-15																					2														
-16/-17																					3														
-18/-19																					4														
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of obs with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

USAFETAC FORM 0-26-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

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PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
60/ 59										.1																						1	1		
58/ 57									.1	.1																						2	2		
56/ 55										.1																						1	1		
54/ 53											.1																					1	1		
52/ 51						.1		.1			.1																				3	3			
50/ 49					.1	.2			.1	.1																					5	5			
48/ 47			.1	.1	1.1			.1																							13	13	2		
46/ 45		.4		.3	.3																										10	10	6		
44/ 43		.4	.4	.9	1.0	.2																									27	27	5	5	
42/ 41	.1	.9	.5	1.2	.6	.2																									33	33	7	5	
40/ 39		1.5	1.5	1.6	.6	.3																									52	52	33		
38/ 37	.5	1.2	.9	1.5	.8	.3																									48	48	38	24	
36/ 35	.1	1.5	1.0	1.1	.8	.6																									47	47	46	12	
34/ 33	.1	1.6	1.7	1.1	.9																										50	52	48	17	
32/ 31	1.0	2.9	2.8	2.1	.4																										85	87	70	40	
30/ 29	.5	3.5	3.2	2.2	.2																										89	89	75	46	
28/ 27	.5	1.9	4.2	2.3	.3																										86	86	73	59	
26/ 25	.2	3.0	3.3	1.7																											77	77	86	56	
24/ 23	.1	3.5	1.7	1.1																											59	59	92	31	
22/ 21	.1	2.4	2.8	.9																											57	57	76	55	
20/ 19	.1	3.2	1.3	.1																											44	44	57	59	
18/ 17	.2	2.2	1.5																												36	36	67	65	
16/ 15		2.3	2.3																												42	42	38	62	
14/ 13	.2	1.2	.5																												18	18	44	53	
12/ 11		.9	.2																												10	10	21	64	
10/ 9		1.4																													13	13	12	56	
8/ 7		.5	.1																												6	6	13	39	
6/ 5																																		3	31
4/ 3		.8																													7	7	1	33	
2/ 1	.1	.3																													4	4	9	33	
0/ -1																																	2	29	
-2/ -3																																			19
-4/ -5																																			7
-6/ -7																																			12
Element (X)	Z _x ²	Z _x	X	X ²	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI 9-7d MAR
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
60/ 59							.1											1	1																
58/ 57								.2										2	2																
54/ 53			.1					.1										2	2																
52/ 51			.1		.1	.3	.2	.3										10	10																
50/ 49			.1		.6	.2	.1											10	10	1															
48/ 47				.1	1.2	.1	.1											14	14	2															
46/ 45		.1	.1	.2	.6	.2	.1											13	13	2	1														
44/ 43		.5	1.1	.5	1.3	.8												39	39	8	5														
42/ 41		.8	1.0	1.0	.2	.5	.1											33	33	12	2														
40/ 39		1.1	2.1	.4	.9	.4	.1											46	46	41	3														
38/ 37	.2	1.3	1.1	2.2	.2	.4												50	50	41	10														
36/ 35	.2	1.0	2.8	1.5	.9	.2												61	61	50	24														
34/ 33	.2	2.1	2.2	1.5	1.2	.2												68	68	49	30														
32/ 31	.3	3.1	1.7	1.5	1.0	.1												72	74	80	32														
30/ 29	.6	3.1	2.5	1.7	.3													77	77	86	44														
28/ 27	.3	2.1	4.8	1.7	.6													88	89	64	64														
26/ 25		2.6	2.7	1.6	.3													67	68	74	59														
24/ 23	.1	4.0	2.2	1.4														71	71	107	43														
22/ 21		2.3	2.9	.5														53	53	78	55														
20/ 19	.3	1.9	1.1	.1														32	32	49	55														
18/ 17	.2	1.7	1.8															35	35	58	67														
16/ 15		2.1	1.9															37	37	34	65														
14/ 13		.4	.1															5	5	43	50														
12/ 11		1.2																11	11	8	57														
10/ 9		1.4	.1															14	14	10	51														
8/ 7		.5	.5															10	10	14	49														
6/ 5		.1																1	1	8	35														
4/ 3																				3	26														
2/ 1		.3																3	3	1	32														
0/ -1																				2	16														
-2/ -3																					17														
-4/ -5																					12														
-6/ -7																					9														
-8/ -9																					5														
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 75 °	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) REVID REVISED EDITION OF THIS FORM AT COLORADO JUL 64

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

1976

MAR

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	Dry Bulb	Wet Bulb	Dew Point																	
52/ 51						.1																											1	1			
50/ 49					.2		.1	.1																									4	4			
48/ 47				.2	.2		.2																										6	6			
46/ 45				.5	.3	.2	.1																										11	11			
44/ 43	.1		.4	.6	.3																												14	14	1	1	
42/ 41		.1	.5	.4	.8	.3																											20	20	7		
40/ 39	.3	1.3	1.1	.5	.6	.1																											37	37	23	2	
38/ 37	.2	1.0	2.1	.5	.4	.1																											40	40	25	11	
36/ 35	.4	1.4	1.4	1.2	.2	.1																											44	44	47	12	
34/ 33	1.1	2.3	2.6	2.1	.2	.1																											77	78	49	30	
32/ 31	.2	4.3	2.6	1.0	.2																												77	77	60	31	
30/ 29	1.2	2.5	2.7	.5	.4																												68	68	95	57	
28/ 27	1.6	3.6	2.7	1.3	.2																												87	87	76	60	
26/ 25		3.0	2.4	1.5																													64	64	71	53	
24/ 23	.1	5.7	2.1	.8																													80	80	78	41	
22/ 21	.4	3.0	1.8	.5																													54	55	85	47	
20/ 19	1.3	3.3	1.6	.2																													60	61	59	79	
18/ 17		3.2	1.9																														48	49	57	75	
16/ 15	.2	2.7	1.5																														41	41	57	53	
14/ 13	.1	2.4	.3																														26	26	49	51	
12/ 11		1.4	.5																														18	18	20	41	
10/ 9	.4	1.5	.1																														17	19	21	56	
8/ 7		.9	.2																														10	10	17	50	
6/ 5		.6	.1																														7	7	10	38	
4/ 3		.4																															4	4	6	34	
2/ 1		.5																															5	5	4	29	
0/ -1	.2	.1																															3	3	8	16	
-2/ -3	.1																																1	1	1	10	
-4/ -5																																					11
-6/ -7																																					17
-8/ -9																																					5
-10/ -11																																					4
-12/ -13																																					4
-16/ -17																																					1
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																															
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																									
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM 0-26-5 (OL A) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 USAF/TAC JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-78

MAR

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
46/45				.1														1	1							
44/43			.1	.4	.1													6	6							
42/41			.3	.3	.3													9	9							
40/39		1.0	.9	.3														20	20	11	1					
38/37	.4	.5	1.2	.3	.2													25	25	15	9					
36/35	.1	1.7	2.2	.6														43	43	20	7					
34/33	.8	2.7	1.3	.3														47	47	47	15					
32/31	.2	4.0	2.6	1.3														75	75	52	25					
30/29	1.5	4.9	1.1	.2														71	71	72	53					
28/27	2.2	4.2	1.4	.3														75	75	88	61					
26/25	.6	5.6	1.0	.6														73	73	69	58					
24/23	1.0	3.6	2.1	.2														63	64	74	56					
22/21	.3	3.9	1.2	.2														52	52	56	59					
20/19	.9	4.0	1.0															54	55	70	41					
18/17	.5	5.5	1.0															65	65	53	66					
16/15	.5	6.0	.9															68	71	61	51					
14/13	.5	1.7	.3															24	24	63	59					
12/11	.4	2.8	.1															31	32	31	42					
10/9	.2	3.0																30	30	29	72					
8/7	.3	2.2																23	23	30	46					
6/5	.2	1.4																15	15	22	29					
4/3	.4	.8																11	11	13	24					
2/1	.2	1.6																17	17	13	38					
0/-1	.4	.2																6	6	14	22					
-2/-3	.2	.5																7	7	6	24					
-4/-5	.1	.1																2	2	3	17					
-6/-7	.3																	3	3	4	15					
-8/-9	.6																	6	6	6	6					
-10/-11	.2																	2	2	2	3					
-12/-13																					2					
-14/-15																					8					
-16/-17																					6					
-18/-19																					5					
-20/-21																					4					
Element (X)	Z _X ²	Z _X	X	σ _X	No. Obs.	Mean No. of Hours with Temperature																				
Rel. Hum.						≤ 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total														
Dry Bulb																										
Wet Bulb																										
Dew Point																										

FORM JUL 64 0-26.5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836
 STATION

K I SAWYER AFB MI
 STATION NAME

69-78
 YEARS

MAR
 MONTH

PAGE 2

ALL
 HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
-8/-9	.5																	34	34	34	111		
-10/-11	.2																	16	16	16	68		
-12/-13	.0																	3	3	3	32		
-14/-15	.1																	7	7	7	46		
-16/-17	.1																	6	6	6	32		
-18/-19																					28		
-20/-21	.1																	4	4	4	21		
-22/-23	.0																	2	2	2	9		
-24/-25																					4		
-26/-27																					5		
-28/-29																					2		
-30/-31																					1		
-32/-33																					3		
TOTAL	13.3	54.5	20.3	7.8	2.9	.8	.2	.1												7438	7401		
																		7401			7401		

Element (X)	Σx^2	Σx	\bar{x}	s_x^2	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	± 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	38807571	523197	70.7	5.688	7401							
Dry Bulb	5030443	173837	23.4	1.407	7438	28.5	594.6					744
Wet Bulb	4141284	156656	21.2	1.0561	7401	34.5	653.6					744
Dew Point	2723571	108523	14.7	2.370	7401	101.1	707.4					744

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-76

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-C700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
64/ 63		.1																1	1	1						
62/ 61		.1	.2															3	3	1	2					
60/ 59		.3	.2															5	5	1	1					
58/ 57		.6		.1														6	6	8	3					
56/ 55		.4	.9															12	12	5	6					
54/ 53		.1																1	1	3	7					
52/ 51	.6	.4		.3														12	12	14	5					
50/ 49	.3	.2	.2		.2	.1												10	10	8	10					
48/ 47	.4	.8	.2	.3		.1												17	17	9	12					
46/ 45		.7	.3	.3	.3													15	15	10	3					
44/ 43	.1	.7	.6	.4	.1	.3												20	20	15	13					
42/ 41		1.4	.7	.7	.6													30	30	18	10					
40/ 39	.2	.9	2.8	.6	.3	.2												45	45	18	12					
38/ 37	.6	1.1	2.3	1.3	.2	.1												51	51	27	16					
36/ 35	.6	2.9	2.7	1.8	.1													72	72	56	19					
34/ 33	.9	3.6	2.4	1.6														76	76	75	33					
32/ 31	1.9	4.1	3.8	1.0	.1													98	98	92	49					
30/ 29	1.3	5.7	4.6	.3														107	107	108	57					
28/ 27	1.0	5.2	3.6	.1														89	89	101	99					
26/ 25	.3	3.6	1.4															48	48	94	67					
24/ 23	.1	3.3	1.2															42	42	53	42					
22/ 21	.1	3.0	.6															33	33	46	86					
20/ 19	.2	2.4	.2															26	26	36	79					
18/ 17	.1	2.3	.4															26	26	23	61					
16/ 15	.1	1.7	.3															19	19	29	60					
14/ 13	.2	.9																10	10	20	44					
12/ 11		1.0																9	9	6	31					
10/ 9	.2	1.0																11	11	14	22					
8/ 7		.3																3	3	5	10					
6/ 5		.1																1	1	4	14					
4/ 3		.1																1	1		15					
2/ 1																					4					
0/ -1																					3					
-2/ -3																					6					
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.																	Mean No. of Hours with Temperature				
Rel. Hum.																		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total		
Dry Bulb																										
Wet Bulb																										
Dew Point																										

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-75

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D-B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		* 31	Dry Bulb	Wet Bulb, Dew Point
64/ 63				.1														1	1	
62/ 61			.1															1	1	
60/ 59		.2																2	2	
58/ 57	.1	.2																3	3	5 3
56/ 55	.1	.3	.2			.1												7	7	4 5
54/ 53		.6	.4	.2														11	11	5 3
52/ 51	.7	.2																8	8	13 11
50/ 49	.8	1.0	.1															17	17	13 14
48/ 47	.2	.3	.1	.2	.3													11	11	11 10
46/ 45	.1	.8	.2	.2	.2													14	14	8 3
44/ 43		1.1	.7	.1	.1	.1												19	19	10 10
42/ 41		1.4	.3	.3														19	19	17 10
40/ 39	.7	2.1	1.7	.2														42	42	30 17
38/ 37		1.3	1.6	.9	.3													37	37	25 20
36/ 35	.8	3.2	2.6	1.0	.1													69	69	45 24
34/ 33	.7	3.3	3.0	.7														69	69	49 34
32/ 31	1.1	4.7	2.8	.9														85	85	91 37
30/ 29	1.7	7.2	2.7															104	104	101 67
28/ 27	1.7	6.3	2.8															97	97	96 74
26/ 25	.8	3.9	1.8															58	58	100 76
24/ 23	.2	3.3	.9															40	40	49 45
22/ 21	.2	4.3	.4															45	45	51 77
20/ 19	.6	3.9																40	40	49 64
18/ 17	.6	2.2																25	25	43 71
16/ 15	.2	2.0																20	20	12 63
14/ 13	.3	1.1																13	13	23 45
12/ 11	.1	1.1																11	11	9 32
10/ 9	.2	1.9																19	19	15 21
8/ 7	.1	.4																5	5	14 14
6/ 5	.1	.4																5	5	7 5
4/ 3		.3																3	3	3 18
2/ 1																				2 9
0/ -1																				5
-2/ -3																				7
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI
STATION STATION NAME

9-74
YEARS

APR
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
66/ 65			.1																														1	1			
62/ 61			.1																														1	1	1		
60/ 59			.1																														1	1			
58/ 57		.1		.1																													2	2	2	2	
56/ 55		.7	.1																														7	7	4	3	
54/ 53		.8	.1	.1			.1																										10	10	5	5	
52/ 51	.4	.2	.2	.3			.1	.1																									13	13	14	8	
50/ 49	.3	.1	.4	.1	.1																												10	10	3	9	
48/ 47	.7	1.4	.2	.1	.2																												24	24	15	10	
46/ 45		1.7	.2	.1	.3																												21	21	20	9	
44/ 43		.8	.4		.1	.3																											15	15	15	13	
42/ 41		1.7	.2	1.0	.2																												28	28	20	16	
40/ 39	.6	1.2	1.4	.4	.2	.2																											37	37	20	22	
38/ 37	.3	1.9	2.3	1.2	.3																												55	55	24	13	
36/ 35	.7	3.3	2.6	1.2	.2	.1																											73	73	53	16	
34/ 33	.7	4.6	3.0	1.3	.1																												87	87	75	33	
32/ 31	1.1	3.9	2.5	.4																													71	71	95	58	
30/ 29	1.6	5.6	3.2	.3																													96	96	100	56	
28/ 27	1.4	7.2	2.7	.1																													103	103	91	91	
26/ 25	.1	3.1	1.4																														42	42	84	71	
24/ 23	.1	3.1	.9																														37	37	57	61	
22/ 21	.3	3.5	.2																														36	37	42	70	
20/ 19	1.0	3.8	.3																														46	46	46	66	
18/ 17	.6	1.7	.1																														21	21	36	53	
16/ 15	.1	.6																															6	7	17	55	
14/ 13	.1	1.6																															15	16	12	49	
12/ 11	.1	1.0																															10	10	12	25	
10/ 9		1.1																															10	10	10	22	
8/ 7	.1	1.0																															10	10	7	14	
6/ 5	.1	.2																															3	3	9	7	
4/ 3		.6																															5	5	3	14	
2/ 1		.1																															1	1	4	10	
0/ -1																																				1	2
-2/ -3																																				1	5
Element (X)	Σx^2	Σx	Σ	σ_x	No. Obs.	Mean No. of Hours with Temperature																															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																									
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 44 0-26-5 (OL A) STIPED NETWORK (DIAGN) OF THIS FORM USE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-76

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																
72/ 71					.1																												1	1			
70/ 69					.1					.1												.1												3	3		
68/ 67						.2				.1												.1												4	4		
66/ 65					.1					.1												.1												3	3		
64/ 63						.1				.1												.1												5	5		2
62/ 61				.1						.2												.2												7	7		
60/ 59				.2	.2					.1			.3									.3												12	12	4	1
58/ 57		.6	.1	.6	.4					.2			.2									.2												22	22	6	1
56/ 55		.6		.2	.4					.4			.1									.3												16	16	11	8
54/ 53	.1	.7		.2	.7	.4				.4			.3									.6												27	27	10	10
52/ 51	.2	.1	.2	.4	.8	.3				.4			.3									.7												29	29	17	8
50/ 49	.1	.4	.3	.2	.6	.2				.7			.1									.7												24	24	10	11
48/ 47		.7	.3	.6	1.1	.8				.6			.2									.6												38	38	13	5
46/ 45		.2	.2	1.3	1.7	.8				.7			.2									.7												44	44	30	9
44/ 43		.8	.9	1.1	1.9	1.6				.3			.2									.3												61	61	22	11
42/ 41	.1	1.6	.7	1.7	1.2	.3				.2			.2									.2												52	52	41	17
40/ 39	.6	.9	1.7	1.9	1.2	.7				.7			.7									.7												62	62	50	24
38/ 37	.1	2.0	1.8	1.7	.7	.1				.1			.1									.1												57	57	61	27
36/ 35	.6	1.7	2.4	1.9	.4					.4			.4									.4												63	63	34	33
34/ 33	.1	2.2	3.3	1.2	.3					.3			.3									.3												65	65	91	36
32/ 31	1.1	3.1	2.8	1.0	.1					.1			.1									.1												73	73	85	52
30/ 29	1.4	2.7	3.1	.7	.2					.2			.2									.2												73	73	99	76
28/ 27	.3	2.6	2.6	.3						.3			.3									.3												61	61	73	84
26/ 25	.3	.9	1.8							.3			.3									.3												27	27	59	75
24/ 23		1.3	1.1	.2						.2			.2									.2												24	24	37	66
22/ 21		1.0	.8							.2			.2									.2												16	16	28	76
20/ 19	.1	1.6	.6							.6			.6									.6												15	15	17	68
18/ 17	.1	.8	.2							.2			.2									.2												10	10	16	33
16/ 15		.1	.1							.1			.1									.1												2	2	13	47
14/ 13		.1								.1			.1									.1												1	1	2	44
12/ 11			.1							.1			.1									.1												1	1	1	21
10/ 9		.1	.1							.1			.1									.1												2	2	1	19
8/ 7										.1			.1									.1														2	19
6/ 5										.1			.1									.1														2	2
Element (X)	Z _x	Z _x	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																										
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

USAFETAC FORM 0-20-3 (OL A) REVISED THROUGH EDITION OF THE FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI 1974 APR
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
78/ 77										.1								1	1						
76/ 75							.1		.1		.1	.1						4	4						
74/ 73						.1	.2		.1									4	4						
72/ 71						.3	.3		.1	.1	.1							6	6						
70/ 69					.2	.3	.2	.1			.1							9	9						
68/ 67				.2	.2	.2	.3	.1	.2	.1	.2							15	15						
66/ 65	.1				.3	.3	.3	.1		.2								10	10	2					
64/ 63				.3	.3	.1	.3	.2	.3	.1								16	16	2					
62/ 61	.1	.1			.1	.4	.7	.1	.3	.2	.1							20	20	9	1				
60/ 59	.2				.2	.4	.2	.4	.3									19	19	10	3				
58/ 57	.3			.1	.1	.4	.2	.6	1.4									29	29	13	7				
56/ 55	.1	.1		.1	.1	.8	.8	.6	.7									29	29	13	7				
54/ 53	.4			.3	.1	.3	.6	1.2										27	27	10	7				
52/ 51	.3	.1			.4	.6	.7	.8	.1									27	27	16	10				
50/ 49	.1	.3		.3	.4	1.7	1.7	.4										45	45	24	10				
48/ 47	.2			.3	1.8	1.2	1.6	.3										49	49	16	10				
46/ 45	.7			.9	1.3	2.3	1.4	.1										61	61	28	6				
44/ 43	.8	.1		.7	1.1	1.3	.4											40	40	33	16				
42/ 41	.3	.9	.8	1.6	1.1	.3												45	45	55	12				
40/ 39	.4	1.8	1.3	1.8	1.0	.4												61	61	83	29				
38/ 37		1.1	.9	1.0	.9	.4												39	39	78	24				
36/ 35	.2	1.2	1.9	2.0	.2	.3												53	53	79	27				
34/ 33	.6	2.1	3.0	.9	.8													66	66	78	30				
32/ 31	1.3	3.1	3.0	.4	.2													73	73	88	67				
30/ 29	.3	2.4	2.2	.6	.1													51	51	77	76				
28/ 27	.6	1.1	1.8	.8														38	38	62	81				
26/ 25	.3	1.0	1.1	.4														26	26	45	76				
24/ 23		.9	.8															15	15	25	68				
22/ 21		.7	.3															9	9	26	71				
20/ 19		.3	.1															4	4	15	68				
18/ 17		.4	.1															5	5	3	48				
16/ 15			.1															1	1	6	46				
14/ 13		.1	.1															2	2	1	41				
12/ 11		.1																1	1	2	14				
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature																			
Ref. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																									
Wet Bulb																									
Dew Point																									

USAF/TAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-76

YEARS

ΔPR
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	Dry Bulb	Wet Bulb	Dew Point															
74/ 73									.1																							1	1		
72/ 71								.1	.1										.1													3	3		
70/ 69								.1																								1	1		
68/ 67						.3	.3	.1	.1	.1																						9	9		
66/ 65					.3	.1	.1	.2	.2	.1																					4	4			
64/ 63		.3	.1			.1	.1	.2	.2	.1																					11	11	2	1	
62/ 61			.1			.1	.1	.2	.2																						5	5	3	2	
60/ 59		.3		.2	.1	.2	.2	.2	.2	.1																					15	15	11		
58/ 57		.6	.3	.2	.3	.2	.2	.2	.3																						18	18	6	4	
56/ 55		.2	.2	.2	.3	.1	.3	.4	.3																						20	20	10	8	
54/ 53		.1	.1	.8	.2	.7	.6	.8	.1																						30	30	10	8	
52/ 51	.1	.2	.3	.1	.3	.9	.7	.4	.1																						29	29	11	10	
50/ 49		.2	1.0			1.0	.7	1.0	.1																						36	36	16	9	
48/ 47		.1	.4	.4		.6	1.0	1.3	.1																						36	36	20	4	
46/ 45		.7	.2	1.0	1.2	1.4	.8																								48	48	22	11	
44/ 43		.6	.4	1.9	1.2	1.8	.1																								54	54	30	13	
42/ 41		.6	.7	1.7	1.2	.9	.1																								46	46	41	26	
40/ 39	.2	1.3	2.0	.7	1.4	.3																									54	54	46	10	
38/ 37	.7	1.8	2.2	1.7	1.8																										73	73	78	18	
36/ 35	.3	1.6	2.4	1.7	1.1																										64	64	85	27	
34/ 33	1.3	1.6	2.2	.9	.7																										60	60	91	39	
32/ 31	.3	3.4	2.6	1.2	.3																										71	71	79	71	
30/ 29	.4	3.2	1.9	.8																											57	57	98	59	
28/ 27	.8	2.3	3.2	.6																											62	62	68	112	
26/ 25	.2	1.6	2.3	.1																											38	38	49	65	
24/ 23	.1	.3	1.6	.1																											19	19	52	32	
22/ 21		1.0	.6																												14	14	28	60	
20/ 19		.7	.1																												7	7	18	79	
18/ 17		.3	.2																												5	5	11	44	
16/ 15		.2	.3																												5	5	7	48	
14/ 13																																	3	56	
12/ 11		.4																													4	4		36	
10/ 9		.1																													1	1	4	26	
8/ 7																																	1	4	
Element (X)	Σx²		Σx		x̄		s _x		No. Obs.		Mean No. of Hours with Temperature							Total																	
Rel. Hum.											≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																			
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94826 STATION K I SAWYER AFB MI 9-76 YEARS APR MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
6/ 5																					4				
4/ 3																					8				
2/ 1																					4				
0/ -1																					1				
-2/ -3																					1				
TOTAL	4,623	825	714	712	389	58	50	11	2									900	900	900					
																		900	900						

Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	3813610	55876	62.119	578	900							
Dry Bulb	1484679	35163	39.111	105	900		28.3	1.4	.1			90
Wet Bulb	1116254	30586	34.0	9.243	900		41.8					90
Dew Point	707851	23229	25.810	976	900	.2	71.0					90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-73

YEARS

APR
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
64/ 63		.3		.2	.2			.1	.1									9	9	3															
62/ 61			.2	.2														4	4		3														
60/ 59		.3	.1															4	4	1															
58/ 57		.3	.1	.2				.1										7	7	11	2														
56/ 55		.4	.6	.1														10	10	4	6														
54/ 53		.3	.6	.3	.1	.3												15	15	6	5														
52/ 51		.1	.2		.3		.1											7	7	11	8														
50/ 49	.1	.2	.7	.3	.4	.2	.1											19	19	9	10														
48/ 47		.8	.2	.1	.4	.2	.4											20	20	10	8														
46/ 45	.1	1.1	.3	1.4	.4	.3	.1											35	35	16	13														
44/ 43		.9	.2	2.1	.7	.1												36	36	23	7														
42/ 41	.2	1.1	.7	.9	.9	.6												39	39	18	15														
40/ 39	.1	1.1	2.0	1.6	1.3	.1												56	56	32	13														
38/ 37	.3	2.7	2.1	1.4	.9	.2												69	69	47	12														
36/ 35	.4	2.7	2.3	1.6	.4													67	67	72	28														
34/ 33	1.3	2.1	4.1	1.3	.4													84	84	81	42														
32/ 31	1.8	3.9	3.4	1.7	.1													98	98	101	69														
30/ 29	.4	5.2	3.8	.9														93	93	109	58														
28/ 27	.4	3.2	3.6	.4														69	59	83	98														
26/ 25	.1	2.1	2.1															39	39	81	64														
24/ 23	.2	2.7	.7															32	32	57	49														
22/ 21	.3	1.4	.7															22	22	41	65														
20/ 19	.1	2.6	.7															30	30	14	68														
18/ 17		1.1	.3															13	13	31	60														
16/ 15		.4	.4															8	8	17	67														
14/ 13		.2																2	2	7	34														
12/ 11		.9																8	8	3	32														
10/ 9		.6																5	5	9	26														
8/ 7																				3	9														
6/ 5																					7														
4/ 3																					10														
2/ 1																					7														
0/ -1																					2														
-6/ -7																					2														
Element (X)	Σx'	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) REVISED VERSIONS (EDITION) OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI -9-76 APR
STATION STATION NAME YEARS MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
-8/-9																																				
TOTAL	6.1	38.9	20.1	14.9	6.8	2.1	.9	.1	.1										900		900															
																		900		900																

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	
Rel. Hum.	4654209	63119	70.1	15.909	900							
Dry Bulb	1144551	30869	34.3	9.768	900		41.9					90
Wet Bulb	941665	27955	31.1	9.033	900		55.6					90
Dew Point	665452	22442	24.9	10.851	900	.5	72.8					90

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

94836 STATION K I SAWYER AFB HI STATION NAME 9-78 YEARS HAY MONTH
 PAGE 1 0000-0200 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
76/ 75					.2																													2	2			
74/ 73				.1																														1	1			
70/ 69				.2			.1																											3	3			
68/ 67					.2																													2	2	3		
66/ 65			.1	.2				.1																										4	4			
64/ 63		.5	.2	.5			.1																											13	13	5	2	
62/ 61		1.6	.8	.5	.2	.2	.2																											33	33	3	7	
60/ 59		1.9	1.0	.5	.5	.1																												38	38	31	13	
58/ 57		1.1	.3	.8	.3																													23	23	26	21	
56/ 55	.3	.2	.6	.9	.9	.5	.1																											33	33	24	25	
54/ 53	.1	.8	.5	1.4	.8	.2	.3																											38	38	18	17	
52/ 51	.4	1.0	1.5	.5	1.3	.3																												47	47	35	20	
50/ 49		1.3	.8	1.3	.6	.1																												38	38	28	16	
48/ 47	.2	1.1	1.2	1.3	.4	.3																												42	42	45	25	
46/ 45	.6	3.2	2.5	1.5	1.1	.4																												87	87	49	35	
44/ 43	.4	1.9	.8	1.0	.2	.3																												43	43	75	57	
42/ 41	.5	2.4	2.2	1.6	.1																													63	63	69	48	
40/ 39	.5	2.4	1.7	1.2	.3																													57	57	57	44	
38/ 37	1.5	2.5	2.9	1.0																														73	73	73	49	
36/ 35	.5	3.0	3.1	1.1																														72	72	63	86	
34/ 33	.1	2.5	3.3	.4																														59	59	33	46	
32/ 31	.4	3.8	2.4	.4																														65	65	72	57	
30/ 29	.2	1.5	2.0																															35	35	37	76	
28/ 27	.1	1.7	1.4																															30	30	33	78	
26/ 25		1.0	1.1																															19	19	40	53	
24/ 23		.3																																3	3	22	30	
22/ 21		.4																																4	4	6	34	
20/ 19	.1	.2																																3	3	6	45	
18/ 17																																					20	
16/ 15																																					20	
14/ 13																																					6	
TOTAL	6.2	36.2	30.3	16.5	7.2	2.7	.9																												930	930	930	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5407599	69625	74.9	14.49	930	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1821563	40009	43.0	10.394	930		15.9	.8	.3			93
Wet Bulb	1552249	36887	39.7	9.798	930		24.3	.3				93
Dew Point	1263359	32681	35.1	11.122	930		41.9					93

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-70

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0600-0800
HOURS U.S.T.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																
76/ 75					.1																												1	1			
72/ 71						.1																											1	1			
70/ 69			.1		.1	.1			.1																								4	4			
68/ 67			.1							.1																							2	2		1	
66/ 65		.1	.1	.2	.3	.1		.1																									9	9		1	
64/ 63		.5	.5	.6	.2	.3	.1		.1																								23	23		2	
62/ 61		.8	.6	.6	.3	.5																											27	27		4	
60/ 59	.2	1.1	.3	.1	.2	.4			.2																								24	24		8	
58/ 57	.1	1.7	.2	.6	.5	.1			.1																								32	32		19	
56/ 55	.1	1.0	.8	.9	.5	.6																											36	36		23	
54/ 53	.2	.4	.9	1.1	.4	.5	.2																										35	35		27	
52/ 51	.1	.9	1.6	1.2	1.1	.2																											47	47		14	
50/ 49	.2	2.3	1.5	1.3	.6	.2	.1																										58	58		23	
48/ 47	.1	2.3	1.0	1.1	.5	.1																											47	47		35	
46/ 45	1.0	2.2	1.1	1.7	.9	.2																											65	65		52	
44/ 43	.1	3.8	1.7	1.7	.5																												73	73		45	
42/ 41	.5	3.5	1.8	1.7	.5																												76	76		63	
40/ 39	.9	2.6	2.5	1.0	.3																												67	67		61	
38/ 37	.8	1.8	2.9	.9																													59	59		56	
36/ 35	.9	2.7	2.5	.5																													61	61		58	
34/ 33	.3	2.4	2.7	.2																													52	52		62	
32/ 31	.8	3.3	2.4																														60	60		63	
30/ 29	.2	2.4	.9																														32	32		65	
28/ 27		1.6	.3																														18	18		73	
26/ 25		1.2	.3																														14	14		63	
24/ 23		.3																															3	3		40	
22/ 21		.2																															2	2		29	
20/ 19	.1	.1																															2	2		29	
18/ 17																																				9	
16/ 15																																				5	
14/ 13																																				1	
TOTAL	6.6	39.0	26.8	15.5	7.3	3.7	.6	.5																										930	930		930

Element (X)	Σx^1	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5539876	70474	75.8	14.653	930	≤ 0 F	≤ 32 F	≤ 47 F	≤ 73 F	≤ 89 F	≤ 93 F	
Dry Bulb	1889247	40847	43.9	10.122	930		12.1	.2	.1			93
Wet Bulb	1616050	37716	40.6	9.308	930		20.7	.1				93
Dew Point	1324206	33744	36.3	10.367	930		37.7					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-78

MAY

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	Dry Bulb	Wet Bulb Dew Point																
86/ 85									.1																							1	1		
84/ 83																						.1										1	1		
82/ 81									.1												.3	.1	.1								6	6			
80/ 79								.1	.1	.1	.5									.1	.3									12	12				
78/ 77										.4	.2	.2	.1							.2	.1									9	9				
76/ 75						.1	.2	.8	.2	.4	.4	.1																		21	21				
74/ 73				.3	.2	.2	.4	.6	.3																					20	20				
72/ 71				.2	.3	.3	.1	.9												.1	.1								19	19		1			
70/ 69			.1	.3	1.0	.4	.4	.5											.1										27	27		2			
68/ 67			.3	.4	.3	.4	.4	.4												.3	.1								26	26		6			
66/ 65			.4	.8	.1	.6	.9	.4	.2	.1	.1																		34	34	14	3			
64/ 63		.1	.2	.1	.8	.9	1.2	.4	.4	.4																			42	42	30	5			
62/ 61		.5	.1	.1	.2	.5	1.2	.6	.5																				36	36	31	10			
60/ 59	.1	.3	.1	.2	.3	1.0	.8	.5	.3																				34	34	39	20			
58/ 57		.1	.5	.6	.8	1.0	.8	1.2																					46	46	30	22			
56/ 55		.3	.8	.3	.6	1.4	.5	.6																					43	43	29	27			
54/ 53	.1	.6	.4	.6	.8	.8	1.2	.5																					47	47	37	14			
52/ 51		1.0	.3	.2	.9	.8	1.1	.4																					43	43	41	20			
50/ 49	.1	1.5	1.0	1.1	1.3	1.0	.4																						59	59	57	48			
48/ 47	.2	.6	.9	1.7	1.0	1.3	.3																						56	56	60	40			
46/ 45	.2	2.5	.3	1.8	2.2	1.2	.2																						78	78	70	53			
44/ 43	.2	2.7	.6	1.8	1.1		.1																						61	61	85	54			
42/ 41	.1	2.2	1.2	1.5	.1	.1																							48	48	80	57			
40/ 39	.5	1.5	1.3	1.0	.6																								46	46	75	50			
38/ 37	.5	1.2	.8	1.3	.3																								38	38	75	66			
36/ 35		1.0	1.4	.6	.1																								29	29	56	44			
34/ 33		1.4	1.2																										24	24	35	48			
32/ 31	.1	1.2	.1																										13	13	39	62			
30/ 29		.5	.4																										9	9	30	61			
28/ 27		.1	.1																										2	2	4	85			
26/ 25																															4	57			
24/ 23																																	26		
22/ 21																																	27		
20/ 19																																	22		
Element (X):	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. H.m.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MS
STATION STATION NAME

9-78
YEARS

MAY
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TCTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	Dry Bulb	Wet Bulb	Dew Point																
92/ 91												.1																					1	1		
90/ 89												.1																					1	1		
88/ 87												.1																					4	4		
86/ 85												.2																					4	4		
84/ 83											.1	.3	.4	.2	.2	.1	.2															15	15			
82/ 81											.3	.1	.6	.3	.3																	26	26			
80/ 79										.3	.3	.3	.5	.2	.1	.1																18	18			
78/ 77						.1	.2	.2	.2	.3	.8	.1																				18	18			
76/ 75					.2	1.0	.4	.2	.5	.2																						24	24			
74/ 73				.2	.3	.6	.3	.1	.6	.1																						24	24			
72/ 71			.2	.1	.3	.1	.6	.3	.9	.2	.2	.2	.2																		30	30	3			
70/ 69			.2	.1	.2	.1	.3	1.2	.8	.2	.9	.3																			40	40	6			
68/ 67			.4	.3	.2	.3	.5	1.2	.2	.5	.4																				36	36	13			
66/ 65			.3	.1	.2	.3	.5	.9	.8	.5	.2																				35	35	33	3		
64/ 63		.3	.2	.1	.3	.9	1.2	1.3	.6																						46	46	38	8		
62/ 61		.2	.2	.3	.1	.5	.8	.9	1.4																						41	41	27	21		
60/ 59			.5	.5	1.1	.8	.9	1.0	.3	.1																					48	48	33	20		
58/ 57		.6	.1	.5	.6	.3	.5	1.3	.6																						44	44	33	11		
56/ 55		.3	.8	.2	.4	.2	1.1	1.4	.1																						42	42	44	25		
54/ 53		.4	.2	.4	1.0	.3	.8	.9	.1																						37	37	37	22		
52/ 51		.3	.3	.2	.9	.6	.5	.2																							29	29	61	34		
50/ 49		1.1	.2	.9	1.1	.8	.3	.2	.1																						43	43	58	24		
48/ 47		1.3	.6	1.4	1.5	.4	.4																								53	53	68	41		
46/ 45	.6	2.0	.9	1.7	2.0	1.3	.2																								82	82	74	72		
44/ 43		2.3	.6	1.1	.9	.2																									47	47	75	49		
42/ 41	.3	1.0	.6	.8	.9																										33	33	75	49		
40/ 39	.2	.4	.9	.9	1.3																										34	34	71	47		
38/ 37	.6	.9	.5	.3	.1																										23	23	49	59		
36/ 35	.2	.8	1.3	.2																											23	23	49	52		
34/ 33		.8	.4																												11	11	34	51		
32/ 31		.6	.1																												7	7	30	53		
30/ 29		.6	.5																												11	11	10	66		
28/ 27																																7	7	88		
26/ 25																																2	2	42		
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-78

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	Dry Bulb	Wet Bulb	Dew Point																
94/ 93														.2	.1																	3	3			
92/ 91																																	1	1		
90/ 89																																	1	1		
88/ 87																																	2	2		
85/ 85																																	4	4		
84/ 83																																	19	19		
82/ 81																																	26	26		
80/ 79																																	27	27		
78/ 77																																	19	19		
76/ 75																																	26	26		
74/ 73																																	28	28		
72/ 71																																	36	36	3	
70/ 69																																	30	30	6	
68/ 67																																	28	28	20	1
66/ 65																																	32	32	26	2
64/ 63																																	45	45	33	7
62/ 61																																	47	47	22	13
60/ 59																																	38	38	48	14
58/ 57																																	39	39	40	24
56/ 55																																	43	43	36	19
54/ 53																																	35	35	42	29
52/ 51																																	37	37	56	33
50/ 49																																	47	47	66	19
48/ 47																																	74	74	55	41
46/ 45																																	57	57	80	67
44/ 43																																	42	42	60	53
42/ 41																																	37	37	59	38
40/ 39																																	46	46	82	47
38/ 37																																	21	21	64	56
36/ 35																																	10	10	46	63
34/ 33																																	13	13	40	55
32/ 31																																	12	12	29	46
30/ 29																																	5	5	10	76
28/ 27																																	6	6	53	
Element (X)	$\Sigma X'$	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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

USAFETAC JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB HI

9-75

MAY
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb, Dew Point															
92/ 91													.1																		1	1			
88/ 87													.1																		1	1			
86/ 85													.1																		1	1			
84/ 83													.1												.1						2	2			
82/ 81									.1				.2	.5	.2		.2	.1												13	13				
80/ 79							.1	.1				.3	.3				.1													9	9				
78/ 77						.1	.1	.4				.1	.8	.1	.1															16	16				
76/ 75						.1	.2	.3	.4	.4	.2	.2	.2																	20	20				
74/ 73						.3	.6	.2	.3	.3	.3	.1	.1																	22	22				
72/ 71				.4	.6	.2	.5	.5	.3	.1																				26	26	2			
70/ 69			.2	.4	.4	.4	.2	.3	.5	.1																				27	27	4			
68/ 67			.1	.2	.4	.6	.2	.4	.2	.2																				23	23	5	2		
66/ 65		.1	.2	.1	.4	.3	1.4	.5	.5	.1																				34	34	21	2		
64/ 63				.1		1.3	.5	1.1	1.1	.2																				40	40	29	4		
62/ 61		.4	.2	.1	.4	.5	.9	.5	.6																					35	35	20	14		
60/ 59	.1	.8	.2	.2	.9	.6	1.0	.3	.1																					43	43	30	21		
58/ 57		.4	.3	.4	1.2	.5	.8	1.1	.2																					46	46	36	15		
56/ 55		.5	.4	.5	.3	.9	1.3	.6	.1																					44	44	31	20		
54/ 53		.9	.4	.4	.5	.6	.6	.5	.2																					40	40	52	17		
52/ 51		.4	1.0	.2	1.2	.8	.5	.2	.1																					41	41	45	26		
50/ 49		.6	1.0	.8	.4	1.1	1.1	.1																						47	47	56	26		
48/ 47	.2	2.5	.9	1.3	1.0	1.2	.8	.1																						73	73	58	33		
46/ 45	.2	1.1	1.4	1.5	2.3	1.4	.4																							77	77	77	71		
44/ 43	.3	.4	1.8	1.2	1.2	1.0	.1																							56	56	66	58		
42/ 41		1.1	.9	1.4	1.1	.4	.1																							46	46	59	36		
40/ 39	.4	1.3	.2	.6	1.4	.1																								38	38	74	39		
38/ 37	.3	1.0	.4	1.3	.9																									36	36	71	68		
36/ 35	.6	.6	.5	1.4	.2																									32	32	63	59		
34/ 33	.1	1.1	.8	.2																										20	20	43	60		
32/ 31	.1	1.1	.4	.1																										16	16	50	44		
30/ 29		.1	.3																											4	4	30	60		
28/ 27			.1																											1	1	3	67		
26/ 25																																4	4	43	
24/ 23																																		28	
Element (X)	Z _X ²	Z _X	X	e _X	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≥ 0 F	32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-78

YEARS

MAY
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																		
90/ 79											.1																							1	1				
78/ 77											.1																								1	1			
76/ 75						.1																													1	1			
74/ 73				.2							.1	.1																							4	4			
72/ 71				.2				.2	.2	.1	.1																								8	8			
70/ 69				.4				.1	.3	.1																									9	9			
68/ 67			.3	.2	.4	.3				.3																									15	15	5		
66/ 65			1.0	.8	.4	.3	.2	.2	.2																										29	29	2		
64/ 63		.3	.5	1.1	.4	.8	.3	.1																											33	33	10	5	
62/ 61		1.1	.4	1.1	.6	.2	.2																												34	34	19	11	
60/ 59		1.0	.3	.3	.5	.6	.4	.4																											34	34	36	25	
58/ 57		.5	.3	.5	1.8	.6	.3	.4																											43	43	31	13	
56/ 55		.3	.2	.3	.6	1.0	.4	.1																											28	28	28	21	
54/ 53		1.5	.5	1.0	1.4	.5	.9	.1																											55	55	25	21	
52/ 51	.1	.4	1.2	.5	.8	.4	.2	.1																											35	35	39	28	
50/ 49		.6	.9	1.2	1.1	.4	.1																												40	40	38	16	
48/ 47		1.5	.5	1.9	.9	.5	.2																												52	52	48	20	
46/ 45	.8	3.2	1.4	1.7	1.2	.3																													80	80	72	60	
44/ 43	.3	.5	2.6	1.2	.6	.5																													54	54	67	55	
42/ 41	.2	2.2	1.8	1.6	1.1	.1																													65	65	58	37	
40/ 39	.4	2.0	1.9	1.5	.2	.1																													58	58	78	40	
38/ 37	1.1	2.3	1.8	1.6	.4																													67	67	70	63		
36/ 35	.2	1.2	1.4	1.6	.1																														42	42	64	74	
34/ 33	.3	2.0	2.0	1.0	.1																														51	51	59	59	
32/ 31	.3	1.6	1.9	.9																															44	44	63	51	
30/ 29		1.6	1.2	.1																															27	27	51	64	
28/ 27		.3	1.0																																12	12	32	74	
26/ 25		.6																																	6	6	25	55	
24/ 23		.2																																	2	2	8	26	
22/ 21																																					2		36
20/ 19																																						34	
18/ 17																																						25	
16/ 15																																						12	
14/ 13																																						4	
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																																	
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																											
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB HI

9-7

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93													.0	.0				3	3		
92/ 91												.0	.0		.0			3	3		
90/ 89										.0					.0			2	2		
88/ 87									.0		.0	.0	.0					7	7		
86/ 85								.0			.1	.0	.0	.0				10	10		
84/ 83							.0	.0	.1	.1	.1	.0	.0	.1				37	37		
82/ 81						.0	.0	.0	.1	.4	.2	.2	.1					71	71		
80/ 79					.0	.0	.1	.1	.2	.2	.1	.1	.1					67	67		
78/ 77					.0	.1	.1	.1	.1	.3	.1	.0						53	63		
76/ 75					.2	.2	.2	.2	.2	.2	.1	.1	.0					95	95		
74/ 73			.1	.1	.2	.1	.2	.2	.1	.0	.1	.0	.0					99	99		
72/ 71			.1	.2	.2	.2	.3	.3	.1	.1	.1	.0						120	120	9	
70/ 69			.1	.2	.2	.2	.2	.4	.2	.1	.1	.1						141	141	18	
68/ 67			.2	.1	.2	.2	.3	.4	.1	.2	.1	.0						134	134	53	3
66/ 65		.0	.3	.3	.2	.3	.4	.3	.2	.3	.1	.0						181	181	97	11
64/ 63		.3	.2	.4	.2	.5	.4	.5	.5	.2								247	247	152	33
62/ 61		.7	.4	.4	.3	.4	.6	.3	.5	.0								265	265	137	90
60/ 59	.1	.9	.4	.3	.5	.5	.5	.5	.2	.0								282	282	246	128
58/ 57	.0	.9	.3	.6	.7	.3	.4	.6	.2									305	305	250	136
56/ 55	.1	.5	.6	.5	.5	.7	.6	.5	.0									296	296	251	187
54/ 53	.1	.7	.6	.7	.7	.5	.5	.4	.1									317	317	245	163
52/ 51	.1	.6	1.0	.5	1.0	.5	.4	.2	.0									315	315	336	189
50/ 49	.1	1.2	1.0	1.2	.8	.6	.4	.1	.0									388	388	379	191
48/ 47	.1	1.7	.9	1.4	.9	.6	.3	.0										449	449	424	257
46/ 45	.5	2.2	.3	1.6	1.5	.8	.1											592	592	525	463
44/ 43	.2	1.9	1.3	1.2	.7	.3	.1											430	430	581	410
42/ 41	.3	2.0	1.3	1.4	.6	.1	.0											422	422	524	383
40/ 39	.6	1.8	1.4	.0	.8	.0												415	415	590	377
38/ 37	.8	1.7	1.5	.9	.2													382	382	532	481
36/ 35	.5	1.6	1.6	.8	.1													327	327	471	508
34/ 33	.1	1.8	1.7	.3	.0													290	290	421	418
32/ 31	.4	2.1	1.4	.2														307	307	434	430
30/ 29	.1	1.3	.9	.0														169	169	333	548
28/ 27	.0	.8	.6															107	107	170	588
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-26-5 (OL A) REVID WITHOUT EDIIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K. I SAWYER AFB MI 9-78 4AY

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																
26/ 25		.6	.2																															59	59	139	427
24/ 23		.3																																19	19	70	265
22/ 21		.2																																12	12	24	271
20/ 19	.1	.1																																9	9	15	243
18/ 17		.0																																2	2	3	117
16/ 15																																					87
14/ 13																																					24
12/ 11																																					7
10/ 9																																					4
TOTAL	4.	125.	919.	014.	110.	67.	36.	15.	13.	28.	1.	1.	.7	.3	.1	.0																		7439	7439	7439	

Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total	
						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	
Rel. Hum.	34699341	484645	65.120	4.98	7439							
Dry Bulb	19398193	366801	49.313	3.281	7439		68.4	85.2	45.7	16.1	.3	744
Wet Bulb	14703356	321806	43.310	2.91	7439		118.8	8.0				744
Dew Point	10857657	271773	36.511	1.175	7439		301.1	.3				744

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

69-78

YEARS

JUN

MON, H

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28		29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
88/ 87																		1	1		
86/ 85																		1	1		
84/ 83											.1							2	2		
82/ 81										.1	.2							8	8		
80/ 79					.1			.4		.3	.2					.1		14	14		
78/ 77						.1		.4		.2	.7							20	20		
76/ 75					.3	.9	1.1	1.0		.6	.1							42	42		
74/ 73			.2		.7	.4	1.1	.9		.7	.3							40	40	2	
72/ 71			.9		.6	1.2	1.9	.4		.4	.3							54	54	5	
70/ 69			1.0		.6	1.8	1.9	.7		.4								61	61	14	1
68/ 67		.3	.6		.6	2.1	1.0	.3		.4	.4							54	54	31	6
66/ 65		.6	.9		2.5	1.1	1.6	1.1		.7	.3							78	78	43	19
64/ 63		.9	.8		2.3	1.8	1.7	1.1		.8	.1							85	85	58	38
62/ 61	.1	.7	.9		1.2	1.8	.6	1.2		.1								59	59	87	33
60/ 59	.2	.3	1.2		.6	1.3	1.2	.9		.3								55	56	83	34
58/ 57	.1	1.2	1.6		.9	1.8	1.1	.4		.2								66	66	70	60
56/ 55	.1	1.6	1.0		2.0	.8	.7	.2		.1								58	58	75	83
54/ 53	.2	1.2	1.3		1.1	.4	.7	.2										47	48	78	79
52/ 51	.2	1.6	1.3		1.4	.6	.7	.1										53	53	75	63
50/ 49		1.1	.7		.2	.8	.3											28	28	90	64
48/ 47		.9	.4		.8	.6												24	24	56	60
46/ 45		1.4	.2		.6	.2												22	22	42	82
44/ 43		.6	.2			.1												8	8	36	60
42/ 41	.1	.6	.2			.1												9	9	27	44
40/ 39			.2		.1													3	3	11	42
38/ 37	.3	.1	.1															5	5	9	41
36/ 35																				3	28
34/ 33																				2	21
32/ 31																					18
30/ 29																					b
28/ 27																					10
26/ 25																					1
24/ 23																					1
22/ 21																					1
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

JUL 64

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI STATION NAME

9-76 YEARS

JUN MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	G	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	D = Point														
92/ 91									.2				.1					3	3																
90/ 89										.1			.1					3	3																
88/ 87								.1	.1				.2					4	4																
86/ 85								.2	.1				.2					5	5																
84/ 83					.1		.1	.8	.3	.4	.4							20	20																
82/ 81					.1	.2	1.0	.4	1.0	.9	.2	.2	.2					39	39																
80/ 79			.1			.3	.8	.8	1.2	.4	.4	.2						39	39																
78/ 77					.4	.8	.9	.9	1.0	.7	.2							44	44																
76/ 75				.1	.6	.7	1.6	.8	.9	1.1	.1							52	52	2															
74/ 73			.2	.4	.4	1.3	1.1	1.1	.6	.4	.3							54	54	7															
72/ 71			.1	.6	.7	1.3	.9	.4	.8	.6	.2							50	50	10	2														
70/ 69			.7	.2	1.9	1.9	1.7	1.1	.9	.3								78	78	27	2														
68/ 67		.2	.4	.1	1.8	1.1	1.2	1.0	.6	.6								63	63	47	11														
66/ 65		.3	.8	.8	.6	1.6	1.3	.6	.8									60	60	45	13														
64/ 63	.2	.4	.8	1.6	1.2	1.0	1.3	1.1	.4									73	73	84	35														
62/ 61		.6	.2	1.0	1.1	.8	.4	.7										43	43	86	44														
60/ 59	.1	.4	.6	.8	.4	.5	.4	.6	.1									36	36	77	40														
58/ 57		1.6	1.0	.6	1.1	1.3	.3	.1	.1									55	53	77	51														
56/ 55	.1	1.1	.4	1.1	.4	.8	.2											38	38	86	79														
54/ 53	.1	.7	.4	1.7	.2	.7												34	34	76	78														
52/ 51		1.2	.7	.9	.4	.6												34	34	57	75														
50/ 49		.7	.7	.2	.2	.7												22	22	62	60														
48/ 47		.9	.2	.3	.3	.2	.1											19	19	54	54														
46/ 45		1.0		.1	.1	.2												13	13	40	70														
44/ 43		.2	.1		.1													4	4	24	68														
42/ 41		.2	.2	.1														5	5	10	57														
40/ 39	.1	.4	.2															7	7	13	29														
38/ 37	.3																	3	3	11	41														
36/ 35																				5	26														
34/ 33																					23														
32/ 31																					19														
30/ 29																					10														
28/ 27																					7														
26/ 25																					3														
Element (X)	Zx'	Zx	X	σx	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94835 K I SAWYER AFB MI

9-76

YEARS

JUN
MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	Dry Bulb	Wet Bulb	Dew Point																		
94/ 93															.1	.1	.1															3	3					
90/ 89												.3	.2	.1	.1																		7	7				
88/ 87												.3	.1		.4	.1																	9	9				
86/ 85											.1	.2	.2	.4	.1	.2																	12	12				
84/ 83										.1		.9	.4		.6	.3	.1																22	22				
82/ 81									.1			1.0	.4	1.0	1.1	.2	.2																37	37				
80/ 79		.1							.7	.4	.9	.9	.2	.2																			31	31				
78/ 77				.3	.4	.2	.3	.6	1.0	.4	.2																						32	32	2	1		
76/ 75					.8	.1	1.4	1.6	.7	.4	.2																						47	47	5			
74/ 73				1.6	.1	.4	.2	1.1	.7	.3	.2	.1																					43	43	9			
72/ 71		.1		.4	1.3	1.1	1.1	1.2	1.6	.1																								63	63	9	2	
70/ 69		.1		.2	.7	1.7	1.3	1.6	1.0	.2																								61	61	21	7	
68/ 67		.2	.8	.2	2.0	1.2	.7	2.1	.3	.6																								73	73	48	12	
66/ 65		.8	.7	1.1	1.9	1.7	.3	.3	1.0																									70	70	37	10	
64/ 63	.4	.9	.8	1.6	1.2	.6	.8	1.2	.2																									69	69	80	37	
62/ 61		.6	1.2	.9	.6	.8	1.3	.8	.1																									56	56	78	50	
60/ 59		.1	.6	.6	.3	.9	.4	.1	.2																									29	29	90	24	
58/ 57		1.8	.4	.1	.9	.9	.4	.2	.1																									44	44	95	44	
56/ 55		1.2	.4	.7	.8	.7	.4																											38	38	83	72	
54/ 53		.7	.8	1.2	.3	.9	.6																											40	41	59	91	
52/ 51		.8	.6	1.1	.4	.3	.1																											30	30	39	78	
50/ 49		.1	.9	.4	.2	.7	.1																											26	26	77	56	
48/ 47	.2	.9	.2	.2	.2	.2	.2																											18	18	55	65	
46/ 45		1.4	.2	.2	.1	.2																												20	20	37	60	
44/ 43		.4	.8		.1																													12	12	30	54	
42/ 41		.4																																4	4	17	60	
40/ 39																																					19	38
38/ 37	.1	.1																																2	2	4	36	
36/ 35	.1																																	1	1	5	31	
34/ 33																																					29	
32/ 31																																					16	
30/ 29																																					7	
28/ 27																																					9	
26/ 25																																					4	
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total																										
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\geq 80 F$	$\geq 93 F$																											
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-76

YEARS

JUN
MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																			
92/ 91																																		1	1					
90/ 89																																			2	2				
88/ 87																																			1	1				
86/ 85																																			5	5				
84/ 83																																			9	9				
82/ 81																																			12	12				
80/ 79																																			22	22				
78/ 77																																			24	24				
76/ 75																																			34	34	1			
74/ 73																																			24	34	7			
72/ 71																																			55	55	5			
70/ 69																																			52	52	10	10		
68/ 67																																			62	62	36	7		
66/ 65																																			75	75	43	10		
64/ 63																																			82	82	54	34		
62/ 61																																			71	71	56	45		
60/ 59																																			50	50	103	32		
58/ 57																																			54	54	94	46		
56/ 55																																			40	43	82	70		
54/ 53																																			47	47	64	72		
52/ 51																																			45	45	54	71		
50/ 49																																			27	27	66	52		
48/ 47																																			32	32	68	63		
46/ 45																																			31	31	43	88		
44/ 43																																			18	18	39	54		
42/ 41																																			2	2	31	33		
40/ 39																																			3	3	24	51		
38/ 37																																			3	3	10	51		
36/ 35																																					3	33		
34/ 33																																						18		
32/ 31																																						18		
30/ 29																																						18		
28/ 27																																						8		
26/ 25																																						5		
Element (X)	Σ X ¹	Σ X	X̄	Σ X ²	No. Obs.	Mean No. of Hours with Temperature																																		
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																												
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

59-78

JUN

STATION

STATION NAME

YEARS

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PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
94/ 93														.0	.0	.0		3	3																
92/ 91										.0				.0	.0			4	4																
90/ 89								.0	.0	.0	.0	.0		.0	.0			12	12																
88/ 87								.1	.0		.1	.0						15	15																
86/ 85						.0	.1	.1	.1	.0	.1	.0						23	23																
84/ 83					.0	.0	.0	.3	.1	.1	.1	.0						53	53																
82/ 81					.0	.1	.2	.3	.2	.3	.2	.1	.1					96	96																
80/ 79	.0		.0		.1	.1	.2	.3	.4	.2	.1	.1						108	108																
78/ 77			.0	.2	.2	.3	.3	.4	.2	.1								123	123	2	1														
76/ 75			.2	.3	.4	.6	.4	.3	.3	.0	.0							183	183	6															
74/ 73			.1	.3	.2	.4	.4	.4	.3	.1	.1	.0						184	184	25															
72/ 71	.0	.2	.4	.6	.7	.6	.4	.4	.3	.1	.0							253	253	30	4														
70/ 69	.0	.5	.4	.7	1.1	.6	.5	.3	.2									305	305	78	20														
68/ 67	.3	.7	.4	1.3	.7	.6	.6	.2	.2									341	341	177	40														
66/ 65	.1	.7	.8	1.2	.9	.9	.5	.3	.3									404	404	231	80														
64/ 63	.1	1.5	.8	1.6	1.0	.8	.6	.5	.2									504	504	378	215														
62/ 61	.1	1.6	1.0	1.1	.9	.5	.6	.3	.0									436	436	438	266														
60/ 59	.2	1.6	1.2	.8	.8	.6	.3	.1	.0									408	409	578	265														
58/ 57	.1	2.3	1.5	1.0	.8	.7	.3	.1	.0									497	504	540	337														
56/ 55	.2	2.3	1.6	1.1	.7	.5	.2	.0										482	488	579	530														
54/ 53	.2	2.5	1.7	1.5	.5	.4	.2											499	503	599	572														
52/ 51	.4	2.4	2.0	1.2	.5	.3	.1											492	492	577	587														
50/ 49	.1	2.0	1.6	.6	.3	.3	.0											352	352	587	479														
48/ 47	.2	2.2	.9	.7	.3	.1	.0											315	315	573	538														
46/ 45	.3	2.6	1.3	.8	.3	.1												378	378	483	677														
44/ 43	.0	1.4	1.3	.2	.1													218	218	357	485														
42/ 41	.0	1.3	.6	.2	.0													148	148	294	417														
40/ 39	.1	1.0	.6	.1	.0													130	130	239	372														
38/ 37	.3	.8	.4	.0														106	106	169	345														
36/ 35	.1	.5	.2															50	50	114	343														
34/ 33		.3	.1															25	25	62	196														
32/ 31	.0	.2																18	18	35	149														
30/ 29		.1																6	6	17	110														
28/ 27	.0																	3	3	4	99														
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-70

JUL

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
88/ 87											.1	.1																					2	2				
86/ 85											.2		.1																				3	3				
84/ 83							.2	.4	.2		.1																						9	9				
82/ 81							.4	.4	.3	.3	.1	.1																						20	20			
80/ 79					.1	1.0	1.0	.2	.4	.3																								28	28			
78/ 77			.1	.9	1.0	.6	.9	.4	.4	.1																								41	41			
76/ 75			.2	.9	2.0	.8	1.0	.8	.4																									56	56	7		
74/ 73		.1	.2	1.1	2.6	1.7	1.5	1.0	.3																									79	79	15		
72/ 71		.6	1.0	1.6	1.5	1.3	2.6	1.0	.5	.1																								95	95	27	14	
70/ 69	.2	.8	1.0	2.0	2.5	2.3	1.2	.5	.2	.1																								100	100	54	25	
68/ 67	.1	.6	1.3	1.3	2.0	1.2	1.1	.6	.2																									79	79	54	33	
66/ 65	.3	.5	2.2	1.8	2.3	1.1	1.4	.1																										90	90	83	45	
64/ 63	.1	1.5	1.7	2.0	2.2	2.3	1.0																											100	100	93	55	
62/ 61	.1	1.5	1.1	2.8	1.5	1.4	.3		.1																									82	82	109	66	
60/ 59		.6	1.3	.9	2.0	.6	.2	.1																										54	54	118	81	
58/ 57		1.0	.5	.5	.6																													25	25	99	81	
56/ 55		.9	.5	1.1	.2	.1																												26	26	83	81	
54/ 53	.1	.6	.3	.3																														17	17	70	96	
52/ 51	.2	.4	.4	.3	.1																													14	14	64	84	
50/ 49	.1		.3																															4	4	26	51	
48/ 47	.1			.1																														2	2	15	61	
46/ 45		.3	.1																															4	4	8	66	
44/ 43																																				4	44	
42/ 41																																			1	27		
40/ 39																																					8	
38/ 37																																				4		
36/ 35																																				5		
34/ 33																																				2		
32/ 31																																				1		
TOTAL	1.4	9.6	12.3	18.2	22.2	15.2	12.6	5.4	2.9	.4																								930		930		
																																			930		930	

FORM 0-26-5 (DL A) 31MAY 61 (REV 10-15-60) USE PREVIOUS EDITIONS OR THIS FORM ARE OBSOLETE
 USAF/TAC

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	4188740	60904	65.5	14.682	930	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 82 F	≥ 93 F	Total
Dry Bulb	4291075	62803	67.5	7.335	930			51.2	23.6	4.4		93
Wet Bulb	3403917	55953	60.2	6.356	930			15.7	2.2			93
Dew Point	2863487	51087	54.9	7.844	930			.1	7.2			93

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K. I SAWYER AFB MI

9-78

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥31	Dry Bulb	Wet Bulb	Dew Point
76/ 75				.2														2	2		
74/ 73			.3	.1														4	4		
72/ 71			.3	.1														4	4	1	
70/ 69		1.0	.9	.8	.1													25	25	7	1
68/ 67		2.9	1.3	.4														43	43	11	9
66/ 65	.9	3.2	1.5	.2	.2													56	56	61	38
64/ 63	.3	4.2	.8	1.1	.1	.1												61	61	46	50
62/ 61	1.4	5.2	1.3	1.2	.1													85	85	74	65
60/ 59	.5	5.2	1.6	.8	.3													78	78	65	59
58/ 57	.2	4.2	3.1	1.1	.3													83	83	79	64
56/ 55	.4	4.6	4.0	1.1	.3													97	97	60	56
54/ 53	.9	4.1	2.6	1.3														82	82	101	82
52/ 51	.6	3.7	2.8	.3														69	69	92	76
50/ 49	.1	3.6	2.6	.2														60	60	70	71
48/ 47	.4	4.3	.9															52	52	75	91
46/ 45	.4	2.8	1.8															47	47	64	68
44/ 43	.3	2.6	1.6															42	42	39	64
42/ 41		1.5	.9															22	22	35	41
40/ 39		1.1																10	10	28	39
38/ 37																				14	26
36/ 35		.1																1	1	1	18
34/ 33		.2																2	2		5
32/ 31		.1																1	1	3	
30/ 29																					3
TOTAL	6.6	54.6	28.3	8.9	1.5	.1												926	926	926	
Element (X)	Σx	Σx	Σx	Σx	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	6875749	79353	85.7	9.043	926	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total									
Dry Bulb	2941061	51703	55.8	7.657	926		.1	7.8	.6			93									
Wet Bulb	2700938	49512	53.5	7.612	926		.3	1.9				93									
Dew Point	2523625	47743	51.6	6.192	926		.3	1.0				93									

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (O.L.A.)

USAFETAC FORM JUL 64

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

69-76

JUL

STATION

STATION NAME

YEARS

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PAGE 1 0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	≥31	Dry Bulb	Wet Bulb
80/ 79					.1													1	1	
78/ 77				.1														1	1	
76/ 75			.1	.1	.1			.1										4	4	
74/ 73		.2	.2	.5	.1	.1												11	11	1
72/ 71		.1	.3	.8	.2													13	13	6
70/ 69		.9	1.8	.3														28	28	3
68/ 67		2.4	3.1	.8	.3													61	61	29
66/ 65	.6	2.7	2.3	1.2	.4	.1												68	68	65
64/ 63	.5	5.4	1.2	1.6	.4	.3												88	88	65
62/ 61	.2	3.6	1.4	2.3	1.1	.1												80	80	71
60/ 59	.3	4.5	2.8	1.5	1.6	.1												101	101	64
58/ 57		4.3	2.2	1.9	.6													84	84	82
56/ 55	.4	4.0	3.3	1.2	.2													85	85	89
54/ 53	.4	2.8	4.0	1.4														80	80	95
52/ 51	.1	2.9	2.6	.8														59	59	102
50/ 49	.2	2.4	1.2	.4														39	39	60
48/ 47	.1	3.7	.9	.3														46	46	61
46/ 45		2.6	1.3	.2														38	36	51
44/ 43		1.9	1.0															27	27	33
42/ 41	.1	.2	.3															6	6	30
40/ 39		.3																3	3	12
38/ 37	.1																	1	1	5
36/ 35		.3																3	3	2
34/ 33		.2																2	2	2
32/ 31																				1
30/ 29																				2
TOTAL	3.2	45.3	29.9	15.4	5.3	.8		.1										929	929	929
Element (X)	Σx'	Σx	Σ	Σ	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	6427472	76668	82.5	10.394	929	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93								
Dry Bulb	3159367	53713	57.8	7.613	929			11.9	1.7	.1		93								
Wet Bulb	2841393	50913	54.8	7.424	929		.1	3.9	.1			93								
Dew Point	2612524	48686	52.4	8.110	929		.3	1.7				93								

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 STATION K I SAWYER AFB HI STATION NAME

69-78 YEARS

JUL MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																	
94/ 93																																	2	2			
92/ 91													.1	.2																			4	4			
90/ 89												.1	.4	.1																			8	8			
88/ 87												.3	.2	.9																			16	16			
86/ 85												.3	.3	1.0																			16	16			
84/ 83												.1	.2	.9	.2																		30	30			
82/ 81												.1	.5	1.0	1.2	.8																	41	41			
80/ 79												.3	.6	1.4	1.2	.9	1.5	1.0	.3														67	67	1		
78/ 77												.1	.2	.8	1.2	1.5	1.6	1.6	1.4	.6	.3												87	87	6		
76/ 75												.1	.5	1.8	1.2	1.9	2.9	.8	.8	.3														96	96	11	
74/ 73												.1	.2	.8	1.2	1.5	1.6	1.6	1.4	.6	.3													87	87	6	
72/ 71												.3	.9	1.3	1.5	1.1	1.1	1.3	.2															79	79	19	
70/ 69												.3	.9	1.3	1.5	1.1	1.1	1.3	.2															79	79	49	
68/ 67												.3	.9	1.3	1.5	1.1	1.1	1.3	.2															79	79	49	
66/ 65												.3	.9	1.3	1.5	1.1	1.1	1.3	.2															75	75	71	
64/ 63												.3	.9	1.3	1.5	1.1	1.1	1.3	.2															75	75	71	
62/ 61												.3	.9	1.3	1.5	1.1	1.1	1.3	.2															57	57	105	
60/ 59												.3	.9	1.3	1.5	1.1	1.1	1.3	.2															37	37	127	
58/ 57												.3	.9	1.3	1.5	1.1	1.1	1.3	.2															25	25	86	
56/ 55												.3	.9	1.3	1.5	1.1	1.1	1.3	.2															18	18	105	
54/ 53												.3	.9	1.3	1.5	1.1	1.1	1.3	.2															19	19	67	
52/ 51												.3	.9	1.3	1.5	1.1	1.1	1.3	.2															11	11	57	
50/ 49												.3	.9	1.3	1.5	1.1	1.1	1.3	.2															8	8	29	
48/ 47												.3	.9	1.3	1.5	1.1	1.1	1.3	.2															6	6	27	
46/ 45												.3	.9	1.3	1.5	1.1	1.1	1.3	.2															1	1	6	
44/ 43												.3	.9	1.3	1.5	1.1	1.1	1.3	.2															1	1	9	
42/ 41												.3	.9	1.3	1.5	1.1	1.1	1.3	.2															1	1	1	
40/ 39												.3	.9	1.3	1.5	1.1	1.1	1.3	.2																		
38/ 37												.3	.9	1.3	1.5	1.1	1.1	1.3	.2																		
36/ 35												.3	.9	1.3	1.5	1.1	1.1	1.3	.2																		
34/ 33												.3	.9	1.3	1.5	1.1	1.1	1.3	.2																		
32/ 31												.3	.9	1.3	1.5	1.1	1.1	1.3	.2																		
TOTAL	.6	4.6	10.0	10.7	12.5	15.6	14.9	14.9	9.4	5.1	1.5																							927	927	927	
Element (X)	Σx²		Σx		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature																												
Rel. Hum.	3366437		53965		58.2	15.5	24	927	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																						
Dry Bulb	4803551		66285		71.5	8.3	04	927			67.4	44.7	14.8	.2	93																						
Wet Bulb	3567948		57198		61.7	6.4	65	927			22.5	3.7			93																						
Dew Point	2878878		51124		55.1	8.0	09	927			.1	7.6	.5		93																						

FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-78

JUL

STATION

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PAGE 1 1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	Dry Bulb	Wet Bulb	Dew Point																			
100/ 99																																		2	2				
98/ 97																																		1	1				
96/ 95																																		2	2				
94/ 93																																		3	3				
92/ 91																																			12	12			
90/ 89																																			4	4			
88/ 87																																			13	13			
86/ 85																																			19	19			
84/ 83																																			32	32			
82/ 81																																			54	54			
80/ 79																																			62	62			
78/ 77																																			81	81	10		
76/ 75																																			89	89	9		
74/ 73																																			74	74	17	2	
72/ 71																																			78	78	59	10	
70/ 69																																			79	79	58	30	
68/ 67																																			60	60	64	32	
66/ 65																																			63	63	96	55	
64/ 63																																			67	67	95	58	
62/ 61																																			43	43	109	60	
60/ 59																																			29	29	113	51	
58/ 57																																			23	23	97	86	
56/ 55																																			10	10	72	93	
54/ 53																																			12	12	51	105	
52/ 51																																			10	10	39	64	
50/ 49																																			1	1	25	75	
48/ 47																																			4	4	8	53	
46/ 45																																			2	2	3	62	
44/ 43																																						3	33
42/ 41																																						1	30
40/ 39																																						10	
38/ 37																																						9	
36/ 35																																						10	
34/ 33																																						1	
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total																											
Rel. Hum.						≈ 0 F	≈ 32 F	≈ 67 F	≈ 73 F	≈ 86 F	≈ 93 F																												
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

USAFETAC FORM 41-41 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

69-78

YEARS

JUL

MONTH

PAGE 1 1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
98/ 97																	.1															1	1				
94/ 93																	.1																1	1			
92/ 91																	.1																2	2			
90/ 89																	.1																3	3			
88/ 87								.1	.1	.1							.1																4	4			
86/ 85								.1	.1	.3	.2						.1																8	8			
84/ 83								.2	.5	.5	.2	.2																					16	16			
82/ 81					.1	.6	.4	.9	.2	.4	.4																						29	29			
80/ 79					.1	.8	.8	.6	.3	.1	.1																						39	39			
78/ 77			.1	.6	1.0	1.1	1.5	1.0	.5	.1	.4																						59	59	5		
76/ 75			.3	.5	1.4	.9	1.7	.8	.9	.6	.1																						67	67	7		
74/ 73		.1	.3	2.4	.9	.6	1.5	1.1	.3	.1																							68	68	17	3	
72/ 71		.8	1.3	1.9	.9	2.4	2.3	1.2	.6	.1																							106	106	34	15	
70/ 69		.4	1.1	.5	1.4	1.9	1.5	.8	.1																								72	72	51	21	
68/ 67		.6	.9	.8	1.2	1.4	1.2	.5	.1																									62	62	78	33
66/ 65		1.3	.4	1.4	1.7	2.2	1.2	.5	.5	.1																								87	87	77	58
64/ 63		.5	1.1	2.4	1.6	1.1	.9	.4	.2																									76	76	73	71
62/ 61		1.0	1.5	1.6	1.3	.9	.3	.1	.1																									63	63	91	37
60/ 59		1.6	.8	1.5	1.0	.6	.1																											52	52	107	46
58/ 57		1.0	1.4	1.0	1.0	.6	.1																											47	47	105	75
56/ 55		1.1	.8	.8	.2	.1																												27	27	94	93
54/ 53	.1	.8	.3	.3	.1																													15	15	65	88
52/ 51		.5	.2	.1	.1																													9	9	55	85
50/ 49		.3		.2																														5	5	40	82
48/ 47	.2	.1		.2																														5	5	16	47
46/ 45			.3	.1																														4	4	3	74
44/ 43		.2																																2	2	5	31
42/ 41																																				6	23
40/ 39																																					16
38/ 37																																					16
36/ 35																																					10
34/ 33																																					2
32/ 31																																					1
30/ 29																																					2
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																									
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

69-75

YEARS

JUL

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point																	
86/ 85											.1																					1	1				
82/ 81						.2					.1																					3	3				
80/ 79					.1	.1	.2	.1																								5	5				
78/ 77				.2	.2	.4																										8	8				
76/ 75		.1	.3	.4	.4	.4	.1	.2																								19	19				
74/ 73		.2	.3	1.3	.3	.5	.1	.1																								27	27	8	2		
72/ 71		.6	1.1	1.4	1.0	.5	.1	.1																								45	45	10	4		
70/ 69		1.9	2.2	1.0	1.0	.8	.3																									66	66	24	18		
68/ 67		1.4	3.5	.8	1.9	.6	.3	.2																									81	81	50	23	
66/ 65		2.7	1.9	2.2	1.6	1.4	.3																										94	94	65	43	
64/ 63	.1	2.4	1.5	2.3	2.5	1.2	.2																										94	94	81	69	
62/ 61	.1	1.9	2.8	2.4	1.7	.5																											88	88	58	71	
60/ 59	.1	2.4	2.8	2.3	1.0	.1	.3																										83	83	85	29	
58/ 57	.1	2.0	3.1	1.7	1.0	.3																											77	77	95	70	
56/ 55	.1	2.8	1.7	1.6	.6	.1																											65	65	111	80	
54/ 53		2.4	1.9	1.0	.3																												52	52	101	83	
52/ 51		2.0	2.3	.6	.4																												50	50	70	88	
50/ 49		1.1	1.6	.2																													27	27	58	86	
48/ 47		1.2	.4	.3																													18	18	50	79	
46/ 45		.6	.4	.2																													12	12	30	75	
44/ 43		.2	.9																														10	10	12	38	
42/ 41																																				11	22
40/ 39		.2																															2	2	6	14	
38/ 37																																			2	19	
36/ 35																																				13	
34/ 33																																				1	
TOTAL		.526	.329	.020	.014	.6	6.8	2.2	.6																									927	927	927	927
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																															
Rel. Hum.	5495216	70378	75.9	12.816	927	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total																									
Dry Bulb	3575970	57144	61.6	7.593	927			25.6	6.3	.6		93																									
Wet Bulb	3067798	52926	57.1	7.052	927			9.2	.8			93																									
Dew Point	2727552	49732	53.6	8.017	927			4.7	.2			93																									

USAFETAC FORM 84 JUL 64 0-26-5 (OL A) REVISED WITHOUT NOTICE OF THIS FORM AND OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836
STATION

K I SAWYER AFB HI
STATION NAME

9-78
YEARS

JUL
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
00/ 99												.0						2		2																	
98/ 97											.0							2		2																	
96/ 95											.0							2		2																	
94/ 93											.1	.0						6		6																	
92/ 91											.1	.1	.0	.0				18		18																	
90/ 89								.0	.1	.0	.1	.0			.0			15		15																	
88/ 87						.0	.1	.1	.2	.1	.1				.0			35		35																	
86/ 85						.1	.1	.1	.3	.1	.0							47		47																	
84/ 83					.1	.1	.4	.3	.1	.3	.0							87		87																	
82/ 81				.0	.2	.2	.5	.3	.3	.3	.1	.0						147		147																	
80/ 79				.1	.4	.6	.3	.5	.4	.2	.1	.1						203		203		1															
78/ 77		.0	.1	.4	.6	.5	.7	.6	.5	.2	.1	.0						278		278		21															
76/ 75		.0	.3	.4	.9	.5	.8	.9	.4	.2	.1							336		336		34															
74/ 73		.1	.3	1.1	.7	.7	.8	.7	.2	.1								353		353		77 12															
72/ 71		.3	.8	.9	.7	1.0	1.0	.6	.4	.1								438	.38	190		58															
70/ 69	.0	.8	1.3	.9	1.0	1.2	.6	.4	.2	.1								482	482	278		126															
68/ 67	.0	1.4	1.7	.9	1.0	.9	.6	.4	.2	.0								518	518	384		199															
66/ 65	.3	1.8	1.6	1.3	1.2	.9	.6	.2	.1	.0								594	594	580		369															
64/ 63	.2	2.3	1.3	1.8	1.3	1.0	.5	.1	.0									633	633	624		482															
62/ 61	.3	2.2	1.8	1.8	1.1	.5	.1	.0	.0									580	580	706		502															
60/ 59	.2	2.5	1.7	1.1	1.0	.3	.1	.0										514	514	719		433															
58/ 57	.1	2.2	1.8	1.2	.7	.2	.0											454	454	771		584															
56/ 55	.1	2.5	1.7	1.1	.3	.1												426	426	664		640															
54/ 53	.3	1.9	1.5	.8	.1	.0												342	342	650		741															
52/ 51	.2	1.6	1.3	.4	.1													267	267	540		629															
50/ 49	.2	1.2	1.0	.2														188	188	379		570															
48/ 47	.2	1.5	.5	.1														169	169	286		548															
46/ 45	.1	1.0	.6	.1														130	130	209		566															
44/ 43	.1	.7	.5															96	96	125		363															
42/ 41	.0	.3	.2															36	36	96		221															
40/ 39		.2																17	17	59		162															
38/ 37	.0	.0																2	2	24		106															
36/ 35		.1																5	5	4		81															
34/ 33		.1																4	4	2		24															
Element (X)	Σx	Σx^2	\bar{x}	σ_x	No. Obs.	Mean No. of Hour with Temperature																															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																									
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM 0-26.5 (OL A) REVISED NOVEMBER 1963 THIS FORM ARE OBSOLETE

USAFETAC
JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/4AC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB HI

9-75

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
74/ 73				.2																													2	2				
72/ 71			.2	.3	.5	.1																												11	11	1		
70/ 69			.7	.9	.4																													18	18	4	4	
68/ 67		.7	1.1	.3	.2	.1																												22	22	20	10	
66/ 65	1.1	1.8	1.0	.1																														36	36	32	24	
64/ 63	1.2	3.4	1.6	.5	.2																													64	64	42	46	
62/ 61	.4	3.6	1.1	.4																														51	51	47	31	
60/ 59	1.2	4.6	2.5		.1																													77	82	63	57	
58/ 57	2.4	5.3	2.3	.2																														95	96	87	76	
56/ 55	1.0	5.5	2.4	.1																														82	83	80	71	
54/ 53	2.6	4.6	2.2	.8	.1																													94	94	95	99	
52/ 51	1.2	6.0	2.6	.1																														91	91	87	77	
50/ 49	1.2	3.4	2.5	.2																														67	67	80	81	
48/ 47	1.1	3.7	.8	.3																														54	54	75	75	
46/ 45	.3	5.1	1.3																															62	63	55	58	
44/ 43	.3	2.0	1.3																															33	34	57	58	
42/ 41	.1	.8	1.1																															18	18	26	50	
40/ 39	.7	1.4	.1																															20	21	32	26	
38/ 37	.1	.3																																4	5	14	22	
36/ 35	.2	.7																																8	8	6	26	
34/ 33			.2																															2	2	4	12	
32/ 31			.1																															1	1	1	3	
30/ 29	.1	.2																																3	3	5	2	
28/ 27																																						2
26/ 25																																						1
24/ 23																																						2
TOTAL	16.0	54.3	24.8	4.3	.7																														913	926	913	913
Element (X)	Σx^2	Σx	\bar{x}	s^2	Ma. Obs.	Mean No. of Hours with Temperature					Total																											
Rel. Hum.	7186160	80596	88.3	8.852	913	= 0 F	= 32 F	= 67 F	= 73 F	= 89 F	= 93 F																											
Dry Bulb	2798132	50390	54.4	7.785	926		.4	5.3	.2			93																										
Wet Bulb	2574842	47972	52.5	7.712	913		.6	2.5				93																										
Dew Point	2436875	46561	51.0	8.269	913		1.0	1.4				93																										

FORM 0-26-5 (OL A) REVISION WITHOUT INDICATION OF THE PAGE AND EDITION

FORM 0-26-5 (OL A)

USA/ETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

69-76

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-9	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
74/ 73		.1					.1											2	2																
72/ 71		.2	.4	.3	.3													12	13	1	1														
70/ 69	.1	.3	.7	.2	.2		.1											15	15	5	4														
68/ 67	.5	1.1	1.2	.1														27	28	15	10														
66/ 65	.8	1.8	1.3	1.0	.2													46	46	35	22														
64/ 63	1.5	4.5	1.5	1.6	.2	.1												87	88	45	39														
62/ 61	1.4	3.6	2.2	1.2	.1													78	78	72	55														
60/ 59	.8	4.5	2.5	.8		.1												79	83	74	67														
58/ 57	1.8	4.4	3.2	.4	.1													90	94	91	71														
56/ 55	1.6	5.5	3.4	.7	.3													105	105	93	86														
54/ 53	1.4	5.0	1.9	1.3	.1													89	89	96	104														
52/ 51	1.5	4.4	2.7	.2														81	81	97	87														
50/ 49	.7	3.2	2.0	.1														54	56	72	78														
48/ 47	.9	2.5	1.1															41	41	70	76														
46/ 45	.7	2.7	1.1															41	41	39	52														
44/ 43	.1	1.8	1.1	.1														28	29	42	49														
42/ 41	.1	.8	.4															12	13	22	41														
40/ 39	.2	.8	.1															10	10	18	25														
38/ 37	.4	.3	.1															8	9	16	14														
36/ 35		.1																1	1	1	16														
34/ 33		.3	.2															5	5	2	5														
32/ 31																				2	5														
30/ 29																				2	2														
24/ 23																					2														
TOTAL	14.6	48.0	27.2	8.1	1.6	.2	.1	.1										911	927	911	911														
Element (X)	Σx^2	Σx	X	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.	6978090	79204	86.9	10.052	911	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																							
Dry Bulb	2953207	51873	56.0	7.385	927			5.8	.2			93																							
Wet Bulb	2679295	48965	53.7	7.224	911		.4	2.1				93																							
Dew Point	2520909	47395	52.0	7.786	911		.9	1.5				93																							

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI 9-76 AUG
 STATION STATION NAME YEARS MONTH
 PAGE 1 0900-1100
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point
86/ 85						.1												1	1		
84/ 83						.1	.1	.3										5	6		
82/ 81				.1	.1	.3	.3	.1	.1									10	11		
80/ 79			.1	.1	.2	.8	.4	.3	.1									23	23		
78/ 77			.2	.2	.5	.8	.9	.4	.4	.2	.1							35	35		
76/ 75			.2	.5	.5	1.1	1.5	.4	.3									41	42	4	
74/ 73	.1	.1	.3	2.0	.9	1.4	1.3	.3	.2									61	61	7	4
72/ 71	.2	.1	1.6	1.5	1.3	1.5	1.7	.3	.2									79	80	12	5
70/ 69	.3	.2	1.2	2.5	2.3	2.1	.3	.3										85	87	35	8
68/ 67		1.2	1.2	1.4	1.6	.9	1.0	.1	.1									69	69	57	24
66/ 65	.9	1.3	1.5	2.4	2.0	1.2	.3	.2										90	91	84	43
64/ 63	.3	2.2	1.6	2.6	2.3	1.6	.8											105	108	101	64
62/ 61	.3	1.9	1.4	1.3	1.0	1.3												66	67	110	73
60/ 59	.3	1.5	2.1	1.5	1.7	.9	.3											77	77	105	86
58/ 57	.5	2.2	1.6	1.3	.9	.3	.1											64	64	95	81
56/ 55	.8	1.1	.5	1.5	.5	.1												42	42	99	96
54/ 53	.5	1.2	.9	.9	.3													35	35	69	110
52/ 51	.5	.4	.8	.1	.1													18	19	59	81
50/ 49			.1	.2														3	3	46	49
48/ 47	.4	.1		.1														6	6	23	55
46/ 45	.2																	2	2	7	62
44/ 43																				2	30
42/ 41																				2	18
40/ 39																					18
38/ 37																					4
36/ 35																					1
34/ 33																					5
TOTAL	5.6	13.5	15.3	20.2	16.6	14.2	9.2	3.3	1.7	.4	.1							917	929	917	917
Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	4719220	64120	69.9	16.042	917	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	4057229	60997	65.7	7.503	929			41.5	17.9	2.9		93									
Wet Bulb	3264420	54422	59.3	6.145	917			11.7	1.1			93									
Dew Point	2809691	50311	54.9	7.343	917			4.2	.4			93									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

1978

AUG

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
94/ 93											.1							1	1		
92/ 91								.2				.1						3	3		
90/ 89								.1	.2	.3	.1							7	8		
88/ 87							.3	.2	.2	.1	.2	.1						11	12		
86/ 85						.2	.1	.4	.3	.4	.3	.2			.1			20	21		
84/ 83				.1		.2	.4	.7	.9	.4	.3	.1						29	29		
82/ 81				.3	.2	.8	.4	1.0	1.6	.8	.3							50	51		
80/ 79				.1	.5	.9	1.3	1.4	1.3	.3	.4	.1						59	59		
78/ 77				.3	1.1	1.1	.8	1.4	.2	.5	.4							54	55	3	
76/ 75		.1	.3	.9	1.0	1.2	2.5	1.5	1.2	.7	.2							88	88	10	1
74/ 73			.7	1.1	1.4	2.5	1.6	.9	.5	.1								81	81	13	3
72/ 71			.3	1.2	1.1	1.0	1.5	1.2	.5									63	63	34	13
70/ 69	.1	.1	.7	.9	1.8	1.4	.8	.8	.3									63	63	51	14
68/ 67	.3	.9	1.2	.9	1.7	1.8	1.4	1.5	.1									91	92	79	30
66/ 65		.8	.5	1.5	1.3	1.0	1.7	.1	.1									65	65	108	36
64/ 63		1.1	.7	2.4	.9	1.2	.8	.3										67	67	112	65
62/ 61		1.1	.4	.7	1.2	.4	.8	.2										44	44	87	71
60/ 59	.1	1.1	.5	1.1	.7	.8	.2	.1										42	42	107	66
58/ 57	.3	.7	.8	1.0	.4	.1												30	30	90	100
56/ 55	.3	.8	.7	1.2	.2													29	29	74	96
54/ 53	.1	.8	.2	.2	.2	.1												15	15	66	74
52/ 51	.1	.1			.1													3	3	41	87
50/ 49	.1	.2																3	3	33	56
48/ 47	.2	.1																3	3	7	59
46/ 45	.1																	1	1	5	65
44/ 43																				2	35
42/ 41																					19
40/ 39																					17
38/ 37																					9
36/ 35																					2
34/ 33																					4
TOTAL	1.8	7.7	6.9	3.8	3.7	4.9	14.6	1.9	7.3	3.8	2.5	.9	.1		.1			922	928	922	922
Element (X)	Z _x ²	Z _x	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.	3572320	55224	59.9	6.951	922	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb	4691507	65493	70.6	8.651	928			62.7	40.9	14.6	.1	93									
Wet Bulb	3482711	56365	61.1	6.332	922			19.2	2.6			93									
Dew Point	2829117	50569	54.8	7.767	922			6.2	.4			93									

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 STATION K I SAWYER AFB MI STATION NAME 19-78 YEARS AUG MONTH
PAGE 1 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	>31	Dry Bulb
96/95										.1	.1						2	2	
94/93									.1	.2	.1						4	4	
92/91							.1				.8						8	8	
90/89						.1		.3	.2	.3	.5	.1					15	17	
88/87					.1		.2	.1	.9	.3	.4				.1		20	21	
86/85					.2		.2	.1	.5	.3	.1			.1			15	15	
84/83				.1			.7	.7	.8	.3	.2						25	26	
82/81				.2	.1	.3	.5	1.3	1.5	.8	.3	.2					49	50	
80/79			.2		.5	1.1	1.3	1.7	.9	.8	.1	.2					63	64	2
78/77			.1	.2	.8	1.2	1.1	1.2	.9	1.0	.2						61	61	4 2
76/75		.1		1.1	1.4	1.3	.5	.9	.5	.4							58	58	10 2
74/73		.1	.4	.7	1.8	1.2	1.5	2.1	.9	.3							83	83	12 4
72/71		.1	.8	.9	1.6	1.3	1.6	1.7	.8								81	81	29 5
70/69	.1	.7	.8	1.1	1.7	1.2	1.2	.8	.2								71	71	76 10
68/67	.1	.3	.9	1.2	.9	1.1	1.3	.9	.2								63	63	85 38
66/65	.2	.7	1.0	1.5	1.1	1.3	1.1	.5	.2								70	70	93 44
64/63	.3	.7	.8	1.1	1.2	1.7	1.0	.1									63	63	100 54
62/61	.2	.7	.7	1.4	1.8	.3	1.0										56	56	93 83
60/59		.5	.2	.8	1.0	.1											31	31	98 78
58/57		.5	1.3	.5	.7	.2											30	30	80 83
56/55	.3	.8	.9	.9	.3	.1											30	31	72 71
54/53		.4	.4		.2	.1											11	11	73 75
52/51	.2	.2	.2		.1												7	7	43 83
50/49		.1	.2														3	3	36 58
48/47	.2																2	2	11 80
46/45	.1																1	1	4 55
44/43																			1 41
42/41																			29
40/39																			12
38/37																			9
36/35																			6
TOTAL	1.8	5.9	8.8	11.6	15.4	17.6	12.5	12.3	7.7	5.5	2.0	2.7	.1	.1	.1		922	929	922
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total							
Rel. Hum.	3448767	54785	58.8	6.942	922	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93							
Dry Bulb	4766871	66001	71.6	9.157	929			62.5	40.9	17.0	.6	93							
Wet Bulb	3494251	56439	61.2	6.542	922			22.0	2.8	.2		93							
Dew Point	2817670	50446	54.7	7.907	922			6.2	.8			93							

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

69-78

YEARS

AUG
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
92/ 91										.2		.1						3	3						
90/ 89										.1								1	1						
88/ 87								.1	.2	.2								5	5						
86/ 85					.1	.1		.2	.3	.2								9	10						
84/ 83							.4	.3	.2	.2	.1							12	12						
82/ 81				.1			.5	.3	.1	.3	.1	.1						15	15						
80/ 79				.1	.1	1.1	.9	.6	.4		.1							31	32						
78/ 77		.2	.1		.6	1.4	.2	.9	.2		.2							36	36	1					
76/ 75			.4	.9	1.1	1.1	1.5	.6	.3	.1	.1							57	57	4	3				
74/ 73	.1	.1	.4	1.3	1.5	1.0	.5	1.0	.3									58	59	6	2				
72/ 71	.5	.3	1.1	1.8	1.9	.6	1.6	.8	.5									86	86	23	9				
70/ 69	.1	.8	1.5	1.5	1.6	1.6	1.3	.3										81	81	55	6				
68/ 67	.1	.8	1.7	1.3	1.5	1.7	1.3	.2										80	81	68	25				
66/ 65	1.2	.6	1.2	1.8	1.0	.9	.8	.5	.1									75	75	97	67				
64/ 63	.1	1.0	1.1	1.8	1.3	1.1	.6		.1									66	66	88	50				
62/ 61	.3	.8	1.6	1.9	1.5	1.5	.5											76	76	80	85				
60/ 59	.8	1.6	1.9	1.0	1.2	.6	.3											69	69	95	78				
58/ 57		.9	1.4	1.8	1.1	.8	.2											57	57	103	65				
56/ 55		1.6	1.1	.9	.6	.4												43	43	69	85				
54/ 53	.4	.9	1.2	.9	.1													32	32	71	73				
52/ 51	.1	.5	.6	.3	.1	.1												17	17	74	72				
50/ 49	.1	.3	.5		.1													10	10	45	83				
48/ 47	.1	.2	.1	.1														5	5	28	49				
46/ 45				.1														1	1	12	71				
44/ 43																				4	39				
42/ 41																				1	24				
40/ 39																				1	13				
38/ 37																					14				
36/ 35																					6				
34/ 33																					5				
32/ 31																					1				
TOTAL	4.0	10.6	16.1	17.7	15.6	14.1	10.8	5.8	2.8	1.2	1.1	.2						925	929	925	925				
Element (X)	Σx^2	Σx	\bar{x}	s^2	N. Obs.							Mean No. of Hours with Temperature													
Rel. Hum.	4386304	61806	66.3	16.664	925	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb	4206579	62027	66.8	8.382	929			47.9	23.0	5.7		93													
Wet Bulb	3326796	55122	59.6	6.742	925			15.8	1.1			93													
Dew Point	2809972	50426	54.5	8.126	925			4.5	.5			93													

FORM 104 JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (OL A)

FORM 104 JUL 64

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836
STATION

K I SAWYER AFB MI
STATION NAME

69-76
YEARS

AUG
MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
80/ 79						.2																									2	2			
78/ 77			.2	.1	.2																										5	5			
76/ 75				.1	1.0	.1																									11	11			
74/ 73			.3	1.6	.5	.3																									26	26	2		
72/ 71	.4	.1	1.3	1.1	.9	.3	.1		.1																						40	40	6		
70/ 69	.3	.5	1.7	1.1	.8	.2	.3		.1																						47	47	18		
68/ 67	.7	1.6	2.7	.7	.7	.3	.1																								62	63	51		
66/ 65	1.2	1.4	3.5	2.2	.4	.7	.1																								87	88	61		
64/ 63	.2	1.7	2.2	2.6	.8	.2	.1																								72	74	65		
62/ 61	.3	2.0	2.4	2.2	1.0	.2		.1																							75	76	65		
60/ 59	1.6	3.1	4.6	1.6	.2	.2																									105	106	75		
58/ 57	.5	3.9	3.9	1.4	.5																										95	95	121		
56/ 55	.8	3.4	1.8	1.1	.9																										73	73	106		
54/ 53	1.1	1.8	1.8	1.1	.3																										57	57	96		
52/ 51	.3	1.2	3.1	.4	.2																										49	49	48		
50/ 49	.2	1.4	2.3	.9	.2																										46	46	61		
48/ 47	.1	2.2	.9	.2	.1																										32	32	56		
46/ 45	.1	1.5	.8																												22	22	36		
44/ 43		.4	.2																												6	6	32		
42/ 41		.7	.1																												7	7	11		
40/ 39		.1	.1																												2	2	7		
38/ 37			.1																												1	1	2		
36/ 35																																	1	8	
34/ 33																																1	1		
32/ 31																																	3	2	
30/ 29																																			
TOTAL	7.9	27.1	34.1	18.3	8.7	2.8	.8	.1	.2																						922	928	922		
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.	6066753	73935	80.2	12.237	922	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	3393465	55667	60.0	7.648	928			19.4	4.4	.1		93																							
Wet Bulb	2973945	51945	56.3	7.173	922			7.9	.3			93																							
Dew Point	2704629	49397	53.6	7.945	922		.5	3.2				93																							

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB HI
STATION STATION NAME

69-78
YEARS

AUG
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3	4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
96/ 95														.0	.0																		2	2			
94/ 93														.0	.0	.0																		5	5		
92/ 91												.0		.0																				14	14		
90/ 89									.0					.1	.1	.1	.1	.0																23	26		
88/ 87						.0			.0	.1	.0	.1	.1	.1	.1	.1	.0	.0	.0															36	38		
86/ 85						.0	.1	.0	.1	.1	.1	.1	.1	.1	.0		.0	.0																45	47		
84/ 83				.0		.0	.1	.2	.2	.2	.1	.0																						71	73		
82/ 81				.1	.1	.1	.2	.4	.4	.2	.1	.0																						124	127		
80/ 79			.0	.0	.2	.5	.5	.5	.4	.1	.1	.0																						178	180	2	
78/ 77		.0	.1	.1	.4	.6	.4	.5	.2	.2	.1	.0																						193	194	8	2
76/ 75		.0	.1	.4	.7	.6	.8	.4	.3	.1	.0																							260	261	28	6
74/ 73	.0	.1	.3	.9	.8	.8	.6	.5	.2	.1																								319	320	43	13
72/ 71	.1	.2	.8	1.0	.9	.6	.8	.5	.3																									384	386	109	41
70/ 69	.2	.5	1.1	1.0	1.1	.8	.5	.3	.1																									406	408	251	59
68/ 67	.4	1.1	1.3	.8	.8	.7	.6	.3	.1																									456	460	405	172
66/ 65	.8	1.2	1.6	1.4	.7	.6	.5	.2	.1																									523	525	559	329
64/ 63	.5	2.1	1.5	1.8	.9	.7	.4	.1	.0																									589	596	591	404
62/ 61	.4	2.1	1.4	1.2	.8	.5	.3	.0																										497	501	606	489
60/ 59	.7	2.6	2.1	1.0	.6	.5	.1	.0																									559	572	684	562	
58/ 57	1.0	2.9	2.3	1.0	.5	.2	.0																										578	588	770	645	
56/ 55	.7	2.9	1.7	.9	.4	.1																											498	500	679	682	
54/ 53	1.0	2.5	1.4	.7	.2	.0																											431	431	674	726	
52/ 51	.7	2.0	1.5	.2	.1	.0																											329	330	548	660	
50/ 49	.3	1.3	1.2	.2	.1																												229	232	430	554	
48/ 47	.5	1.5	.6	.1	.0																												200	201	323	499	
46/ 45	.2	1.5	.6	.1	.0																												171	173	212	479	
44/ 43	.1	.7	.5	.0																													95	97	187	338	
42/ 41	.0	.4	.2																														50	51	89	267	
40/ 39	.1	.4	.0																														38	39	78	157	
38/ 37	.1	.1	.0																														18	20	36	110	
36/ 35	.0	.1	.0																														14	14	12	85	
34/ 33	.0	.1	.0																														7	7	11	37	
32/ 31	.0	.0	.0																														3	3	6	13	
30/ 29	.0	.0	.0																														3	3	7	9	
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																									
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM MK 34 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-78

SEP
MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
72/ 71			.1	.1														2	2																
70/ 69	.6	.2				.2												9	9	5	5														
68/ 67	.8	.3	.3		.2													15	15	13	9														
66/ 65	.6	.4	.1	.4														14	14	7	10														
64/ 63	.9	2.2	.8		.3													38	38	20	14														
62/ 61		2.2	.2	.3														25	25	25	17														
60/ 59		2.1	.2	.1	.1													23	23	32	22														
58/ 57	.3	3.3	1.0	.1														43	43	25	33														
56/ 55	.4	5.6	1.1	.2	.2													68	68	43	31														
54/ 53	.7	3.7	2.3	.6														65	65	66	50														
52/ 51	.8	5.2	2.0	.2														74	74	53	61														
50/ 49	.6	6.1	2.6	.3	.1													87	87	86	59														
48/ 47	1.6	6.2	1.9	.6	.2													94	94	99	95														
46/ 45	.6	5.3	.9	.1														62	63	74	85														
44/ 43	.6	4.4	1.3															57	57	77	65														
42/ 41	.7	4.1	.6															48	48	62	67														
40/ 39	.2	3.1	.7															36	36	43	51														
38/ 37	1.3	2.9	.2															40	40	51	56														
36/ 35	.7	3.0																33	33	35	46														
34/ 33	.6	2.4	.6															32	32	28	30														
32/ 31	.3	1.4																16	16	28	44														
30/ 29	.4	.9	.1															13	13	16	19														
28/ 27	.1	.4																5	5	9	13														
26/ 25																				2	14														
24/ 23																					2														
20/ 19																					1														
TOTAL	12.6	65.9	17.0	3.1	1.2	.2												899	900	899	899														

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total
Rel. Hum.	7020688	79054	87.9	8.768	899							
Dry Bulb	2211233	43845	48.7	9.149	900		3.4	2.6				90
Wet Bulb	2051095	42183	46.9	8.940	899		5.5	1.8				90
Dew Point	1920151	40679	45.2	9.407	899		9.3	1.4				90

USAFETAC FORM 0-20-5 (OL A) 01 64 REVID WITHOU EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-76

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																		
74/ 73				.1																													1	1					
72/ 71				.1																															1	1			
70/ 69				.3																															3	3			
68/ 67	1.3	.4																																	16	16	17	12	
66/ 65	.4	1.1	.2	.1																															17	17	15	14	
64/ 63	.7	.6	.1	.3																															15	15	11	15	
62/ 61	.2	2.9	.2		.2																														32	32	10	10	
60/ 59		1.7	.2	.1																															18	18	29	19	
58/ 57	.4	3.2	.6	.1																															39	39	28	30	
56/ 55	.8	4.1	1.2	.3																															58	58	38	33	
54/ 53	.6	5.6	.8	.1																															63	63	55	33	
52/ 51	2.0	6.0	1.8	.3	.3																														94	94	83	75	
50/ 49	.8	5.9	1.4																																73	75	76	82	
48/ 47	1.1	7.0	.8		.2																														82	82	77	73	
46/ 45	.3	5.2	1.0	.4																															63	63	78	68	
44/ 43	1.0	5.2	1.0																																65	65	66	68	
42/ 41	.4	2.7	.3																																31	31	55	56	
40/ 39	.7	3.6	.3																																41	41	56	49	
38/ 37	2.0	3.2	.1																																48	48	43	53	
36/ 35	.8	3.9	.2																																4	44	39	51	
34/ 33	1.4	3.5	.4																																48	48	44	35	
32/ 31	.4	2.0																																	22	22	43	58	
30/ 29	.4	1.1	.2																																16	16	20	29	
28/ 27		.2																																	2	2	6	15	
26/ 25	.1	.2																																	2	3	4	7	
24/ 23		.2																																	2	2	3	5	
22/ 21																																						1	4
20/ 19																																						3	3
TOTAL	16.1	69.7	11.5	2.0	.8																														897	899	897	697	
Element (X)	Σx^1	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total																											
Rel. Hum.	7219096	80156	89.4	7.930	897	$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																											
Dry Bulb	2111229	42745	47.5	9.369	899		4.5	2.1	.1			90																											
Wet Bulb	1974475	41259	46.0	9.252	897		7.7	1.7				90																											
Dew Point	1864714	39956	44.5	9.735	897		12.1	1.2				90																											

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 STATION K I SAWYER AFB MI STATION NAME

69-7d YEARS

SEP MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
72/ 71			.1															1	1																
70/ 69	.1	.1	.2															4	4	1	1														
68/ 67	1.3	.8	.1															20	20	17	13														
66/ 65	.2	.9	.1															11	11	17	10														
64/ 63	.6	.9	.4															17	17	12	15														
62/ 61	.4	1.3	.3	.2	.1													22	22	14	15														
60/ 59	.2	1.2	.2	.2														17	17	17	10														
58/ 57	.2	2.7	1.2	.3														41	41	21	22														
56/ 55	1.1	5.5	.7	.2														67	67	40	24														
54/ 53	.6	5.1	1.0	.2														62	62	71	56														
52/ 51	1.0	6.2	2.0															83	83	73	67														
50/ 49	1.3	6.0	1.3	.4	.1													83	84	89	78														
48/ 47	1.3	5.6	.6	.1	.1													69	69	73	83														
46/ 45	.2	8.0	1.2	.4														89	89	71	62														
44/ 43	.6	4.3	1.1	.1														55	55	79	75														
42/ 41	.7	4.3	.3															48	48	56	70														
40/ 39	.3	3.4	.2															36	36	58	49														
38/ 37	1.3	3.8	.3	.1														50	50	44	54														
36/ 35	1.4	3.2	.2															44	44	44	49														
34/ 33	.6	3.4	.1															37	37	44	37														
32/ 31	.2	2.3	.2															25	25	30	44														
30/ 29	.1	.9	.1															10	10	21	29														
28/ 27	.1	.2	.1															4	4	6	15														
26/ 25	.1																	1	1	3	10														
24/ 23		.3																3	3	1	6														
22/ 21																				2	1														
20/ 19																					3														
18/ 17																					1														
TOTAL	14.1	70.6	2.3	2.4	.3	.1												899	900	899	899														
Element (X)	Σx^2	Σx	\bar{x}	s^2	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	7208294	80174	89.2	8.055	899	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb	2108540	42786	47.5	9.103	900		4.3	2.5				90																							
Wet Bulb	1972794	41328	46.0	9.010	899		6.3	1.8				90																							
Dew Point	1860873	39995	44.5	9.530	899		10.9	1.4				90																							

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

GLOBAL CLIMATOLOGY BRANCH
 USAF/TAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 STATION K I SAWYER AFB MI STATION NAME 9-78 YEARS SEP MONTH
 PAGE 1 0900-1100 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point											
84/ 83						.1																			1	1					
82/ 81						.1																				1	1				
80/ 79			.1	.1	.2									.1												5	5				
78/ 77			.2		.2																					4	4				
76/ 75				.1	.1	.2	.1				.1	.1														7	7	3			
74/ 73	.1	.1		.6	.1	.1					.1	.1														10	10	4	6		
72/ 71			.2	.2	.2	.1	.1	.1			.1	.1														10	10	4			
70/ 69	.3		.4	.7	.3	.3	.3	.1																		23	23	5	5		
68/ 67	.3	.9	.3	.1	.2	.1	.2				.2															20	20	17	9		
66/ 65		.9	1.1	.4	.6	.4	.3	.1																		35	35	21	12		
64/ 63	.1	.9	.7	1.1	.6	1.0	.1	.1																		41	41	18	23		
62/ 61	.3	1.0	.8	.9	.9	1.1	.1	.1																		46	46	24	19		
60/ 59	.3	1.4	.6	1.4	1.1	1.0	.1																			54	54	32	19		
58/ 57	.3	3.2	1.6	1.4	1.1	.9	.1																			78	78	55	32		
56/ 55	.6	4.1	2.2	1.9	2.4	.4																				105	105	62	46		
54/ 53	.4	3.1	3.2	3.1	.2	.1																				92	92	97	49		
52/ 51	.4	3.8	4.8	1.9	.7			.1																		105	105	87	58		
50/ 49	.6	1.8	3.6	.9	.2																					63	63	115	87		
48/ 47	.1	3.6	2.7	.6	.3																					65	65	108	84		
46/ 45	.4	2.4	1.2	.8	.4																					48	48	84	90		
44/ 43	.2	1.3	1.4	.4	.2																					33	33	57	84		
42/ 41		1.3	.7	.6	.1																					24	24	27	36		
40/ 39	.1	.9	1.0	.1																						19	19	35	66		
38/ 37		.4	.1																							5	5	24	36		
36/ 35		.4																								4	4	14	31		
34/ 33		.1																								1	1	5	20		
32/ 31																												1	1	15	
30/ 29		.1																								1	1	1	10		
28/ 27																														10	
26/ 25																														2	
24/ 23																														1	
TOTAL	4.8	31.9	26.9	7.3	10.3	6.1	1.6	.6	.3	.1	.1																900	900	900		
Element (X)	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	Z _x	
Rel. Hum.	5453232	68802	76.4	14.573	900	≥ 6 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																			
Dry Bulb	2770418	49368	54.9	8.333	900		.1	8.1	2.8	.3		90																			
Wet Bulb	2375807	45729	50.8	7.629	900		.2	3.3	.7			90																			
Dew Point	2065975	42401	47.1	8.721	900		3.8	2.6	.6			90																			

USAF/TAC FORM 44 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

69-76

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point																
92/ 91												.1																					1	1			
90/ 89								.1																	.1									2	2		
88/ 87									.1																									2	2		
86/ 85										.2																								3	3		
84/ 83				.1	.3	.1	.3																											8	8		
82/ 81				.1	.3	.3	.1				.2	.1	.1	.1	.1																			14	14		
80/ 79			.1			.3	.4	.2	.2	.1																								16	16		
78/ 77					.2	.1	.2	.2	.2	.1																								10	10	2	
76/ 75			.1	.2	.9	.1	.6	.2	.1	.1																								21	21	8	
74/ 73	.2		.1	.6	.1	.8	.3	.1	.6																									25	25	8	6
72/ 71				.4	.3	.1	.4	.2	.1																									15	15	9	6
70/ 69		.4	.6	.6	.3	1.0	.6	.4	.7	.2																								43	43	13	6
68/ 67		.1	.7	.6	.3	.4	.7	.8	.2																									34	34	18	10
66/ 65	.2	.4	.4	.2	.6	1.8	1.9	.1	.1	.1																								53	53	33	17
64/ 63	.1	.3	.8	1.0	.7	1.1	1.9	1.0	.2																									62	62	29	24
62/ 61	.1	1.3	.7	1.7	1.7	1.3	1.1	.6																										76	76	26	19
60/ 59	.1	1.6	1.1	1.4	2.2	1.0	1.2	.4	.1																									83	83	48	27
58/ 57	.3	1.8	1.3	2.0	2.1	1.4	.6	.2																										88	88	57	40
56/ 55	.1	2.0	1.7	2.4	1.8	1.0	.4																											85	85	85	42
54/ 53		1.9	1.4	2.2	.7	.3	.2																											61	61	113	38
52/ 51	.1	2.1	1.7	1.0	.9	.6																												57	57	88	50
50/ 49	.2	.7	1.6	1.6	.3	.3																												42	42	108	87
48/ 47	.2	1.6	1.0	.8	.4																													36	36	89	66
46/ 45		1.2	.3	.7	.8																													27	27	57	89
44/ 43	.1	.2	1.2	.6	.6																													24	24	43	59
42/ 41		.1	.3	.1																														5	5	17	64
40/ 39		.1		.1																														2	2	25	68
38/ 37		.2	.3																															5	5	15	38
36/ 35																																				6	37
34/ 33																																			3	20	
32/ 31																																					22
30/ 29																																					18
28/ 27																																					13
26/ 25																																					4
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.		Mean No. of Hours with Temperature																														
Rel. Hum.							$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																								
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

REPRODUCED FROM THE ORIGINAL RECORDS OF THE AIR FORCE

FORM 44 0-26-5 (OL-A)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

69-78

YEARS

SEP

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
94/ 93									.2																						2	2			
92/ 91																															2	2			
88/ 87																															2	2			
86/ 85								.2			.3																				5	5			
84/ 83				.1			.1	.2							.2				.1	.1	.1									9	9				
82/ 81				.1	.2		.2			.2	.3				.2															12	12				
80/ 79			.1	.1	.1	.2	.3	.2	.3	.2	.1																			16	16	1			
78/ 77		.1		.1	.3	.2	.2	.6	.3	.2	.1	.2																		22	22	4			
76/ 75		.2		.3	.3	.3	.3	.1	.2	.1	.1																			19	19	4			
74/ 73			.2	.4	.9	.8	.2																							24	24	7			
72/ 71	.1		.7	.6	.4	.8	.3	.3	.2	.4																				35	35	12			
70/ 69		.1	1.2	.1	.1	.3	.3	.6	.4																					29	29	11			
68/ 67		.1	.8	.2	.4	.6	1.2	1.2	.2	.1																				44	44	23			
66/ 65		.2	.2	1.1	.7	.9	1.4	.4	.4																					49	49	28			
64/ 63		.2	.8	.8	2.1	1.7	1.8	1.7	.1																					87	87	36			
62/ 61		1.7	.8	.8	1.2	.9	1.0	.7	.3																					66	66	34			
60/ 59		.3	.3	1.6	2.3	1.1	.6	.4	.1																					61	61	53			
58/ 57	.3	1.8	2.4	.9	1.9	.8	.1	.1																						75	75	52			
56/ 55		1.2	1.7	1.8	1.3	1.3	.2	.1																						69	69	81			
54/ 53		1.2	1.3	1.8	.6	1.4	.2																							59	59	101			
52/ 51		1.9	1.2	1.3	.6	.2																								47	47	83			
50/ 49		1.3	1.9	1.8	.3	.2																								50	50	100			
48/ 47	.3	2.9	1.6	.7	.8	.2																								58	59	84			
46/ 45		.4	.9	.4	1.1																									26	26	75			
44/ 43		.7	.4	.1																										11	11	43			
42/ 41	.1	.4	.3	.2																										10	10	24			
40/ 39		.3		.6																										8	8	19			
38/ 37																															15	15	47		
36/ 35																															2	2	43		
34/ 33		.1																												1	1	5			
32/ 31																															1	1	10		
30/ 29																																	17		
28/ 27																																	14		
26/ 25																																	5		
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVERSED REVISIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836
STATION

K I SAWYER AFB MI
STATION NAME

69-78
YEARS

SEP
MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-11	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
82/ 81				.1			.1											2	2		
80/ 79			.1	.1		.1	.2		.2	.1								8	8		
78/ 77				.3		.1		.2			.1							7	7	1	
76/ 75	.1		.2	.2	.1	.1	.3		.1		.1							12	12	2	3
74/ 73		.3	.2	.2	.2	.1	.3	.1	.2	.1								17	17	3	
72/ 71		.1	.1	.3	.6	.1		.4		.1								16	16	8	2
70/ 69	.1		.8	.6	.3	1.1	.1	.1	.1									29	29	9	8
68/ 67	.2	.4	.6	.3	.2	.1	.1		.1									19	19	9	8
66/ 65	.1	.6	1.1	.3	.9	.4	.4	.2										37	37	23	10
64/ 63		1.7	.6	1.0	1.0	.8	.4	.4										53	53	29	18
62/ 61	.2	1.1	1.5	.7	1.5	.9	.3											55	55	37	31
60/ 59	.6	1.3	.9	1.3	.9	.8	.2	.1										55	55	45	28
58/ 57	.3	2.1	2.3	1.7	1.5	.6	.1	.1										78	78	46	30
56/ 55	.1	2.3	1.5	2.7	.8	.6	.1											72	72	65	47
54/ 53		1.9	2.7	2.1	1.2	.3	.1											75	75	70	36
52/ 51	.1	2.5	3.1	1.1	.7	.1												68	68	81	41
50/ 49		2.3	4.1	1.1	.1	.1												70	70	96	74
48/ 47	.7	3.8	2.9	.8	.4													77	77	95	88
46/ 45	.1	2.7	1.7	1.1		.1												51	52	94	101
44/ 43	.1	1.7	1.8	.6														37	38	58	77
42/ 41		1.7	.3	.6														23	24	46	81
40/ 39		1.0	.8	.2	.1													19	19	33	68
38/ 37		.8	.4															11	11	18	52
36/ 35		.1	.1															2	2	17	32
34/ 33		.3																3	3	8	17
32/ 31																				3	17
30/ 29																					19
28/ 27																					4
26/ 25																					1
24/ 23																					1
22/ 21																					2
TOTAL	2.8	28.8	27.8	17.5	10.5	6.5	3.0	1.6	1.0	.3	.2								899		896
																		896			896
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	5143474	66528	74.3	15.089	896	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
- Dry Bulb	2842761	49863	55.5	9.267	899			11.0	4.6	.4		90									
- Wet Bulb	2384634	45648	50.9	8.121	896		.3	3.2	.6			90									
- Dew Point	2040207	41981	46.9	9.046	896		4.4	2.1	.3			90									

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION 94836 STATION NAME K I SAWYER AFB MI YEARS 9-78 MONTH SEP
PAGE 1 2100-2300
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26		27-28	29-30	*31	Dry Bulb	Wet Bulb
74/ 73			.2														3	3	1	1
72/ 71	.2	.3	.4			.1		.1									11	11	4	2
70/ 69	.1	.3	.4	.1	.1	.2	.1										13	13	7	4
68/ 67	.3	.2	.4	.1	.2	.1											13	13	10	11
66/ 65	.3	.9	.7	.1	.3			.1									22	22	10	8
64/ 63	.7	1.7	.9	.8	.1		.1										38	38	22	17
62/ 61	.2	2.7	.7	.1	.2												35	35	36	17
60/ 59	.2	2.0	.7	.4	.1	.3											34	34	31	35
58/ 57	.6	2.9	.8	.8	.1												46	46	44	33
56/ 55	.2	4.1	2.0	1.0	.1	.1											68	68	43	36
54/ 53	.1	2.4	2.9	.8	.4												60	60	46	42
52/ 51	.2	5.3	3.4	.9	.3												92	92	56	40
50/ 49	.3	4.7	3.2	.9		.3											85	85	101	65
48/ 47	1.0	6.4	2.4	.3	.1												93	93	96	94
46/ 45	.2	5.7	1.8	.3													72	72	95	89
44/ 43	.3	3.9	1.7														53	53	79	80
42/ 41	.1	2.6	1.1														34	34	54	65
40/ 39	.2	3.0	.6	.3													37	37	49	67
38/ 37	.4	3.4	.9	.1													44	44	32	54
36/ 35	.3	1.7	.2														20	20	37	45
34/ 33	.2	1.4	.1														16	16	25	29
32/ 31		1.0															9	9	16	29
30/ 29		.2															2	2	6	17
28/ 27																				14
26/ 25																				6
TOTAL	6.4	57.0	25.6	7.1	2.2	1.2	.2	.2									900	900	900	900
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total									
Rel. Hum.	6487221	75835	84.3	10.402	900	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	90								
Dry Bulb	2377183	45557	50.6	8.896	900		1.1	4.0	.3			90								
Wet Bulb	2157489	43381	48.2	8.599	900		2.2	2.2	.1			90								
Dew Point	1971827	41305	45.9	9.204	900		6.6	1.8	.1			90								

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OL A) JUN 64

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

69-78

SEP

STATION STATION NAME YEARS

YEARS

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	Dry Bulb	Wet Bulb	Dew Point															
94/ 93									.0																							2	2		
92/ 91														.0																		3	3		
90/ 89									.0						.0																	2	2		
88/ 87									.0					.0																		4	4		
86/ 85								.0	.0				.0																			8	8		
84/ 83				.0	.0	.0	.1			.0				.0	.0	.0																18	18		
82/ 81				.0	.1	.1	.0		.1	.1	.0		.1	.1	.0	.0	.0															29	29		
80/ 79			.1	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0																45	45	1	
78/ 77		.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0																	59	59	7	
76/ 75	.0	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.0	.0	.0																		59	59	17
74/ 73	.0	.1	.1	.2	.1	.2	.2	.1	.1	.1	.0	.0																					80	80	23
72/ 71	.0	.1	.2	.2	.2	.2	.1	.2	.1	.1	.1	.0																					91	91	37
70/ 69	.2	.2	.5	.3	.2	.4	.2	.2	.2	.2	.2	.0																					153	153	51
68/ 67	.5	.4	.4	.2	.2	.2	.2	.3	.3	.1	.0																						181	181	124
66/ 65	.2	.7	.5	.3	.4	.4	.5	.1	.1	.0																							238	238	149
64/ 63	.4	1.1	.6	.6	.6	.6	.5	.4	.0																								351	351	177
62/ 61	.2	1.8	.6	.6	.7	.5	.3	.2	.0																								357	357	206
60/ 59	.2	1.5	.5	.8	.8	.5	.3	.1	.0																								345	345	287
58/ 57	.4	2.6	1.4	.9	.8	.5	.1	.1																									488	488	328
56/ 55	.4	3.6	1.5	1.3	.8	.4	.1	.0																									592	592	457
54/ 53	.3	3.1	2.0	1.4	.4	.3	.1																										537	537	619
52/ 51	.6	4.1	2.5	.8	.4	.1	.0																										620	620	604
50/ 49	.5	3.6	2.5	.9	.2	.1																											553	556	771
48/ 47	.8	4.6	1.7	.5	.3	.0																											574	575	721
46/ 45	.2	3.9	1.1	.5	.3	.0																											438	440	628
44/ 43	.4	2.7	1.3	.2	.1																												335	336	502
42/ 41	.3	2.2	.5	.2	.0																												223	224	341
40/ 39	.2	1.9	.4	.2	.0																												198	198	318
38/ 37	.6	1.9	.3	.0																													203	203	242
36/ 35	.4	1.5	.1																														147	147	194
34/ 33	.3	1.4	.2																														138	138	162
32/ 31	.1	.8	.0																														72	72	122
30/ 29	.1	.4	.1																														42	42	64
28/ 27	.0	.1	.0																														11	11	21
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI 69-78 OCT
STATION STATION NAME YEARS MONTH
AGE 1 0000-0200
HOURS . . . T. J.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
64/ 63		.8		.1			.1											9	12																	
62/ 61	.1	.3	.1	.2		.2												9	9	11	8															
60/ 59	.5	.8	.4	.3														19	19	5	8															
58/ 57		.8	.1	.2	.1													11	11	10	4															
56/ 55	.1	1.3		.1														14	14	16	10															
54/ 53	.3	2.5	.9	.4														38	38	27	22															
52/ 51	.3	1.2	.5	.2														21	21	26	25															
50/ 49	.9	3.6	1.1	.5	.2	.1												59	59	38	30															
48/ 47	.2	2.6	1.9	1.2	.3													58	58	37	33															
46/ 45	.8	4.0	3.3	1.5	.2	.2												93	93	53	40															
44/ 43	1.6	3.8	1.7	.4	.4													74	74	76	70															
42/ 41	.2	3.1	1.2	.6	.1													49	49	74	39															
40/ 39	1.3	3.9	1.2	.3														62	62	81	51															
38/ 37	.4	3.5	2.6	.3														63	63	52	68															
36/ 35	.8	3.5	1.7	.1														56	56	60	64															
34/ 33	.8	4.9	1.4	.1														66	66	73	53															
32/ 31	.3	6.1	1.8															77	77	67	76															
30/ 29	.5	5.1	.9															60	60	79	56															
28/ 27	.6	2.0	.4															29	29	59	67															
26/ 25	.2	2.8	.2															30	30	31	67															
24/ 23		2.2	.1															21	21	32	38															
22/ 21	.2	.4																6	6	13	43															
20/ 19		.1																1	1	4	27															
18/ 17	.2																	2	2	3	13															
16/ 15																					6															
14/ 13																					6															
12/ 11																					3															
TOTAL	10.5	59.0	21.7	6.8	1.4	.5	.1											927	930	927	927															
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total																								
Rel. Hum.	6492690	76826	82.9	11.649	927	≤ 0 F	≤ 32 F	≈ 67 F	≈ 73 F	≈ 80 F	≈ 93 F	Total																								
Dry Bulb	1598600	37540	40.4	9.468	930		22.6					93																								
Wet Bulb	1430486	35418	38.2	9.135	927		28.9					93																								
Dew Point	1251860	32726	35.3	10.210	927		40.3					93																								

USAFETAC FORM 74 0-26-5 (OL A) REVISID PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB HI 9-78 nct
STATION STATION NAME YEARS MONTH
PAGE 1 0300-0500
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
66/ 65			.2															2	2						
64/ 63		.1	.1	.1														3	4	2					
62/ 61		.5	.1															5	8	4					
60/ 59	.6	.8	.1	.1	.2													17	17	10					
58/ 57		1.0	.5		.2													16	16	10					
56/ 55	.3	.9																11	11	13					
54/ 53	.3	2.2	.2	.1	.1													27	27	23					
52/ 51	.5	1.4	.5	.1	.1													25	25	22					
50/ 49	.5	2.9	.8	.1														40	40	31					
48/ 47		2.4	1.1	.4														36	36	31					
46/ 45	1.1	5.9	.9	.2														75	75	43					
44/ 43	1.1	3.9	2.8	1.2														83	83	80					
42/ 41	.5	3.2	1.4	.5	.3													56	56	51					
40/ 39	1.0	4.9	1.3	.5														76	76	82					
38/ 37	1.5	4.5	1.9	.4														78	78	76					
36/ 35	.4	3.1	2.4	.1														56	56	64					
34/ 33	.9	5.4	.8	.3														68	68	68					
32/ 31	1.5	5.4	1.2	.1														76	76	87					
30/ 29	1.2	5.0	.9															65	65	76					
28/ 27	.8	3.2	.4															41	41	57					
26/ 25	.2	1.9																20	20	31					
24/ 23	.2	1.9	.2															22	22	27					
22/ 21	.1	1.4																14	14	18					
20/ 19	.3	.2																5	5	12					
18/ 17	.3	.3																6	6	5					
16/ 15		.1																1	1	2					
14/ 13	.1																	1	1	1					
12/ 11																				2					
TOTAL	13.6	52.6	18.4	4.4	1.0													926	929	926					

Element (X)	Z _x ²	Z _x	X	σ _x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	6721795	78281	84.5	10.612	926	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	1506232	36369	39.1	9.426	929		25.1					93
Wet Bulb	1365979	34539	37.3	9.165	926		31.7					93
Dew Point	1208880	32100	34.7	10.194	926		42.8					93

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB HI

69-76

0600-0800
MONTH

STATION

STATION NAME

YEARS

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																
68/ 67			.2																													2	2				
66/ 65			.1																													1	1				
64/ 63		.2	.1																													3	3	3			
62/ 61	.1	.2																														3	6	3	6		
60/ 59	.3	1.1																														13	13	8	3		
58/ 57	.3	.4		.2																												9	9	12	14		
56/ 55	.3	1.2	.4	.1																												19	19	6	8		
54/ 53	1.2	1.7		.1																												28	28	29	20		
52/ 51	.2	1.9	.4																													24	24	26	20		
50/ 49	.1	2.3	.6	.2																												30	30	16	25		
48/ 47	.3	2.6	.8	.4																												38	38	31	19		
46/ 45	1.4	5.2	.4																													65	65	56	48		
44/ 43	1.1	3.8	2.2	.6																												71	71	61	52		
42/ 41	.4	4.2	1.0	.4																												56	56	53	42		
40/ 39	.8	5.4	2.2	.2																												79	79	69	47		
38/ 37	1.2	5.2	1.8	.4																												80	80	76	56		
36/ 35	1.1	5.3	2.2	.1																												80	80	72	71		
34/ 33	1.4	5.3	.5																													67	67	89	66		
32/ 31	.8	6.9	1.3																													83	83	85	68		
30/ 29	.8	4.6	.5																													55	55	71	81		
28/ 27	.3	5.0	.6																													55	55	57	74		
26/ 25	.1	1.5	.2																													17	17	43	60		
24/ 23		1.5																														14	14	16	42		
22/ 21	.1	1.6																														16	16	15	38		
20/ 19	.4	.8																														11	11	20	21		
18/ 17	.1	.3																														4	4	5	20		
16/ 15		.2																														2	2	3	14		
14/ 13		.1																														1	1	1	8		
12/ 11		.1																														1	1	1	2		
10/ 9																																				1	
8/ 7																																				1	
TOTAL	12.8	68.6	5.6	2.9																														927	930	927	
																																		927		927	
Element (X)	Σx²	Σx	X̄	sₓ	No. Obs.	Mean No. of Hours with Temperature					Total																										
Rel. Hum.	6855488	79224	85.5	9.569	927	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 92 F	Total																									
Dry Bulb	1465764	35890	38.6	9.321	930		25.9	.2				93																									
Wet Bulb	1340187	34207	36.9	9.173	927		31.8					93																									
Dew Point	1196344	31934	34.4	10.196	927		43.1					93																									

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

69-78

0900-1100

STATION

STATION NAME

YEARS

MONTH

PAGE 1

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																
76/ 75					.1																											1	1			
72/ 71				.1					.1																							2	2			
70/ 69				.1																												1	1			
68/ 67																																		1		
66/ 65				.1	.1			.1	.1																							4	4	1		
64/ 63	.1	.3	.1	.3																												8	8	3	4	
62/ 61	.5	.4	.2	.2	.1	.1	.1																									16	16	7	7	
60/ 59		.8	.3	.6	.1																											19	19	8	3	
58/ 57	.5	.4	.3	1.0	.3			.1																								25	25	20	12	
56/ 55		1.7	.8	.8	.9	.3																										41	41	11	10	
54/ 53	.9	1.4	.5	1.3	.4	.3	.1	.1																								47	47	40	29	
52/ 51	1.1	1.7	1.2	.3	.4	.2																										46	46	37	29	
50/ 49	.5	2.7	1.9	1.0	.8	.1																										65	65	50	27	
48/ 47	.1	3.3	1.4	1.8	.5																											67	67	57	35	
46/ 45	.8	2.7	3.1	1.9	.4																											83	83	72	63	
44/ 43	.2	3.2	2.0	1.6	.3																											69	69	51	48	
42/ 41		3.9	2.2	2.4	.2																											80	80	97	48	
40/ 39	.3	3.5	2.7	1.9																												79	79	75	64	
38/ 37	.1	3.7	2.9	1.0	.2																											73	73	82	61	
36/ 35	.2	3.1	2.7	.4																												60	60	71	81	
34/ 33	.2	2.2	1.1																													32	32	78	65	
32/ 31	.9	3.5	1.7	.2																												59	59	63	66	
30/ 29	.2	1.6	.9	.1																												26	26	54	77	
28/ 27		.8	.2																													9	9	19	53	
26/ 25		.8	.5																													12	12	15	62	
24/ 23		.4																														4	4	12	38	
22/ 21		.1																														1	1	5	16	
20/ 19																																			10	
18/ 17		.1																														1	1		6	
16/ 15																																		1		10
14/ 13																																				5
12/ 11																																				1
TOTAL	6.7	42.4	26.8	17.2	4.9	1.1	.6	.1	.2																							930	930	930	930	
Element (X)	Σx ²	Σx	Σx	Σx	Σx	No. Obs.	Mean No. of Hours with Temperature					Total																								
Rel. Hum.	5757174	71994	77.4	14.070	930	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																								
Dry Bulb	1851271	40649	43.7	6.959	930		11.2	.4	.1			93																								
Wet Bulb	1603762	37792	40.6	8.557	930		16.9	.1				93																								
Dew Point	1344970	34150	36.7	9.895	930		34.4					93																								

USAFETAC FORM 48 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI STATION STATION NAME

69-78 YEARS

OCT MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	C	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
80/ 79												.1						1	1																
78/ 77						.2					.1							3	3																
76/ 75						.1				.1	.1							3	3																
74/ 73						.1				.1								3	3																
72/ 71						.1	.1											2	2																
70/ 69			.2	.1	.1	.2	.2	.1										9	9																
68/ 67			.2	.2	.5	.3	.1	.2										13	13	3															
66/ 65		.3	.1	.3	.5	.6	.5	.5	.1									29	29	6															
64/ 63	.1	.3	.4	.2	.8	1.0	.4	.4	.3	.1								38	38	5	8														
62/ 61	.1	.5	.5	.3	.4	.5	.6	.9	.1	.1								39	39	12	8														
60/ 59	.1	.3	.9	.4	1.6	.9	.3	.4	.2									48	48	20	6														
58/ 57		.8	.3	1.1	1.5	.4	.3	.4	.1									46	46	30	9														
56/ 55	.1	1.6	1.0	1.3	.9	.2	.5	.1										53	53	31	20														
54/ 53	.1	1.4	.4	1.9	1.1	.4	.9											58	58	48	34														
52/ 51	.3	1.3	1.0	.8	1.8	.9	.4											62	62	66	28														
50/ 49	.2	1.8	1.4	1.6	1.1	1.2	.2	.1										71	71	73	33														
48/ 47	.4	.9	1.6	1.4	1.8	.2	.5											64	64	59	52														
46/ 45		1.6	1.7	2.0	1.5	.3		.1										68	68	66	47														
44/ 43		1.1	1.5	1.8	.9	.2	.1											52	52	71	50														
42/ 41		1.6	1.3	2.2	.4	.2												53	53	76	50														
40/ 39	.2	2.8	1.9	2.6	.5													75	75	78	66														
38/ 37		1.3	1.2	1.1														33	33	74	62														
36/ 35		.4	1.3	1.0														25	25	51	58														
34/ 33	.2	1.1	1.6	.2	.1													30	30	56	52														
32/ 31	.3	1.5	1.2	.3	.1													32	32	40	64														
30/ 29		.2	.8	.2														11	11	33	60														
28/ 27		.2	.4															6	6	14	67														
26/ 25		.3																3	3	9	57														
24/ 23																				9	34														
22/ 21																					20														
20/ 19																					19														
18/ 17																					11														
16/ 15																					1														
14/ 13																					6														
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.		Mean No. of Hours with Temperature																												
Rel. Hum.							$\leq 0 F$	$\leq 32 F$	$\leq 67 F$	$\leq 73 F$	$\leq 80 F$	$\leq 93 F$	Total																						
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (DLA) REVISION 10-64 (OLD) REVISION 10-64 (OLD)

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/4AC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

0-7d

7CT

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point															
80/ 79								.2				.3																				5	5			
76/ 75						.1						.1																				1	1			
74/ 73					.2							.1																				3	3			
72/ 71					.1			.2			.1																					4	4			
70/ 69				.1	.1		.3	.3	.1	.2																						11	11			
68/ 67				.1	.2	.2	.5	.6	.5	.2																						23	23		5	
66/ 65		.1	.1	.4	.3	.6		.4	.1	.2																						22	22		2	
64/ 63		.5	.5	.9	.5	.6	.3	.4	.1	.3																						49	49		5	
62/ 61	.1	.3	.6	.4	.6	1.0	.5	.3	.3																							40	40	13	9	
60/ 59		.8	.9		1.1	.4	.8	.6		.1																						43	43	25	7	
58/ 57	.1	1.0	1.0	.4	1.4	.5	.2	.4	.1																							48	48	36	9	
56/ 55		1.4	.8	1.5	.9	.5	.5	.1																								53	53	34	24	
54/ 53	.3	1.1	.8	1.8	1.0	1.4	1.0	.3																								71	71	53	33	
52/ 51	.2	1.6	1.8	.9	1.0	1.2	.8	.2	.1																							72	72	48	38	
50/ 49		1.0	.6	1.4	1.2	1.6	.2	.3																								59	59	85	26	
48/ 47	.2	.9	.9	1.3	1.2	.2	.3	.2																								48	48	65	43	
46/ 45		1.6	1.9	2.3	.8	.6	.1																									68	68	49	61	
44/ 43	.1	1.0	1.2	1.5	.6		.1																									42	42	76	43	
42/ 41		1.0	1.4	2.2	1.5																											56	56	71	40	
40/ 39		2.5	1.9	1.7	.6																											63	63	73	57	
38/ 37	.3	1.9	1.3	2.0																												52	52	67	52	
36/ 35	.2	.5	.9	.5	.3																											23	23	70	59	
34/ 33	.1	.6	1.5	.3																												24	24	52	67	
32/ 31		1.6	1.0	.1																												25	25	30	74	
30/ 29		1.3	.2	.2																												16	16	40	56	
28/ 27		.1	.3	.2																												6	6	18	56	
26/ 25		.1	.1																													2	2	5	56	
24/ 23																																			8	47
22/ 21																																				23
20/ 19																																				19
18/ 17																																				4
16/ 15																																				4
14/ 13																																				4
12/ 11																																				7
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																														
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total																								
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

69-78

OCT

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point				
68/ 67			.1				.1											2	2					
66/ 65			.1			.1	.2	.1										7	7					
64/ 63		.3	.2	.3	.2	.1												11	12	2				
62/ 61	.3	.6	.1	.6		.1	.1	.1										19	19	7				
60/ 59		1.2	.2	1.1	.3	.3	.3	.1										33	33	7				
58/ 57	.3	1.3	1.1	.8	.5	.3	.4	.2	.1									47	47	23				
56/ 55	.2	1.6	.5	.5	1.1	.3	.1											41	41	31				
54/ 53	.9	1.0	.9	1.1	.6	.6	.1											48	48	42				
52/ 51	.4	2.3	1.9	1.0	.6	.5	.1											64	64	40				
50/ 49	.5	1.8	2.5	1.2	1.0	.6	.1											72	72	50				
48/ 47	.3	2.7	1.3	1.4	1.1	.3	.1											67	67	79				
46/ 45		2.5	1.7	1.7	.5	.8	.1											68	68	54				
44/ 43	.3	2.6	.2	1.7	.6													69	69	74				
42/ 41	.1	1.6	2.4	.8	.1	.2												48	48	60				
40/ 39		2.4	2.3	1.7	.4	.2												65	65	67				
38/ 37	.1	3.8	2.5	1.6	.1													75	75	82				
36/ 35	.9	2.4	1.4	.6	.1													50	50	83				
34/ 33	.4	1.7	2.3	.3	.1													45	45	67				
32/ 31		2.4	2.5	.2														47	47	42				
30/ 29		2.1	.6	.1														26	26	57				
28/ 27	.1	.8	.6	.1														15	15	35				
26/ 25		.3	.3															6	6	10				
24/ 23		.2	.1															3	3	9				
22/ 21																				4				
20/ 19																				1				
18/ 17																								
16/ 15																								
14/ 13																								
12/ 11																				10				
10/ 9																				1				
8/ 7																				1				
TOTAL	5.0	35.5	27.9	17.0	7.6	4.6	1.8	.5	.1									926	929	926				
																		926		926				
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.	5270766	68282	73.7	15.964	926	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	1956330	41744	44.9	9.319	929		9.7	.2				93												
Wet Bulb	1640805	38123	41.2	8.779	926		15.9					93												
Dew Point	329615	33699	36.4	10.565	926		36.3					93												

USAFETAC FORM 104 JUL 64 0-26-5 (OL A) REVISED 11-64 ONE OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 STATION K I SAWYER AFB MI STATION NAME -9-76 YEARS PAGE 1 MONTH OCT 2100-2300 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
66/ 65			.1				.3											4	4		
64/ 63		.2																2	5		
62/ 61		.4																4	4	3	1
60/ 59	.3	1.2	.4	.6														24	24	8	9
58/ 57	.9	.6	.5	.1														20	20	22	15
56/ 55	.1	1.8	.4		.8	.1												30	30	12	9
54/ 53	.4	1.9	1.2	1.1														43	43	42	29
52/ 51	.3	2.2	1.4	.3	.2	.1												42	42	19	25
50/ 49	.6	4.0	1.5	.9	.3	.4												72	72	48	29
48/ 47	.4	4.2	1.4	.9	.4	.1												69	69	67	42
46/ 45	.2	2.9	1.3	1.9	.4	.3												69	69	58	57
44/ 43	.9	2.6	1.7	.5	1.0													62	62	59	53
42/ 41		3.3	1.7	.5														52	52	59	38
40/ 39	.5	3.0	1.5	.4														51	51	80	56
38/ 37	1.1	4.3	2.0	1.6														84	84	63	51
36/ 35	.6	3.6	1.6	.3	.1													58	58	74	69
34/ 33	.5	4.3	2.2	.1														66	66	70	55
32/ 31	.5	4.4	2.3															57	67	68	89
30/ 29	.2	3.3	1.1	.3														46	46	64	45
28/ 27	.5	2.3	.6	.1														33	33	55	58
26/ 25	.6	1.2	.2															19	19	29	66
24/ 23		.6																6	6	17	51
22/ 21		.3																3	3	7	40
20/ 19		.1																1	1	2	14
18/ 17																				1	5
16/ 15																					4
14/ 13																					8
12/ 11																					9
TOTAL	9.05	3.02	3.6	9.8	3.2	1.1	.3											927	930	927	927
Element (X)	Σx^2	Σx	\bar{x}	σ_s	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	6145110	74446	80.3	13.408	927	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	93									
Dry Bulb	1706528	38896	41.8	9.266	930		17.5					93									
Wet Bulb	1504315	36409	39.3	8.958	927		24.4					93									
Dew Point	1289545	33209	35.8	10.385	927		39.0					93									

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836
STATION

K I SAWYER AFB MI
STATION NAME

9-78
YEARS

OCT
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
80/ 79							.0				.1							6	6		
78/ 77						.0												3	3		
76/ 75					.0	.0				.0	.0							5	5		
74/ 73				.0	.0		.0		.0									6	6		
72/ 71				.0	.0	.0	.0	.0										8	8		
70/ 69			.0	.0	.0	.1	.1	.0	.0									21	21		
68/ 67			.1	.1	.1	.1	.1	.1	.0									40	40	9	
66/ 65		.1	.1	.1	.1	.1	.1	.1	.0	.0								67	69	9	
64/ 63	.0	.4	.2	.2	.2	.2	.1	.1	.2	.1								123	131	20	18
62/ 61	.2	.4	.2	.2	.1	.2	.2	.2	.1	.0								136	141	60	51
60/ 59	.2	.8	.4	.4	.4	.2	.2	.1	.0	.0								216	216	91	51
58/ 57	.3	.8	.5	.5	.5	.2	.1	.1	.0									222	222	163	83
56/ 55	.1	1.4	.5	.5	.6	.2	.1	.0										262	262	154	110
54/ 53	.6	1.6	.6	1.0	.4	.4	.3	.1										360	360	304	207
52/ 51	.4	1.7	1.1	.4	.5	.4	.2	.0	.0									356	356	284	225
50/ 49	.4	2.5	1.3	.9	.6	.5	.1	.1										468	468	391	235
48/ 47	.3	2.4	1.3	1.1	.7	.1	.1	.0										447	447	426	277
46/ 45	.5	3.3	1.8	1.5	.5	.3	.0	.0										589	589	450	410
44/ 43	.7	2.7	1.9	1.2	.5	.0	.0											522	522	548	439
42/ 41	.2	2.7	1.6	1.2	.3	.1												450	450	541	346
40/ 39	.5	3.5	1.9	1.2	.2	.0												550	550	605	435
38/ 37	.6	3.5	2.0	1.1	.0													538	538	572	455
36/ 35	.5	2.7	1.8	.4	.1													408	408	545	534
34/ 33	.6	3.2	1.4	.2	.0													398	398	553	492
32/ 31	.5	4.0	1.6	.1	.0													466	466	482	608
30/ 29	.4	2.9	.7	.1														305	305	474	488
28/ 27	.3	1.8	.5	.1														194	194	314	493
26/ 25	.1	1.1	.2															109	109	173	489
24/ 23	.0	.9	.1															70	70	130	331
22/ 21	.1	.5																40	40	62	254
20/ 19	.1	.1																18	18	39	149
18/ 17	.1	.1																13	13	14	86
16/ 15		.0																3	3	6	54
14/ 13	.0	.0																2	2	2	51
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature															
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 57 F	≥ 73 F	≥ 80 F	≥ 93 F	Total									
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB HI 69-78 NOV
 STATION STATION NAME YEARS MONTH
 PAGE 1 0000-0200
HCURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																	
56/ 55		.1																															1	1				
54/ 53	.1	.7																															7	7	5	5		
52/ 51	.2	.4	.2		.3																												11	11	6	5		
50/ 49		1.0																															9	9	7	4		
48/ 47	.1	1.3	.4			.2																												19	19	11	11	
46/ 45	.6	.8	.1			.1																												14	14	18	19	
44/ 43	.3	.7	.8	.2																														18	18	15	8	
42/ 41	.4	2.0	.1	.7	.3																													32	32	17	12	
40/ 39	.4	1.8	.7	.2																														28	28	28	21	
38/ 37	.4	2.2	.7	.3	.1																													34	34	29	22	
36/ 35	.9	3.6	1.4	.7																														59	59	38	21	
34/ 33	.8	5.8	.8	.2																														68	68	60	32	
32/ 31	.9	6.1	1.3	.4																														79	79	79	50	
30/ 29	1.1	6.8	2.4	.4																														97	97	81	65	
28/ 27	1.0	6.6	2.1	.1																														88	88	88	57	
26/ 25	.8	6.4	1.2																															76	76	87	78	
24/ 23	.6	4.3	.3																															47	47	78	55	
22/ 21	.7	4.1	1.0																															52	52	53	62	
20/ 19	.4	3.3	.3																															37	37	52	65	
18/ 17	.2	3.2	.1																															32	32	34	69	
16/ 15	.2	2.8																																27	27	36	55	
14/ 13	.3	1.7																																18	18	23	42	
12/ 11	.4	.4																																8	8	12	38	
10/ 9	.9	.9																																16	16	14	28	
8/ 7	.6	.7																																11	11	13	24	
6/ 5		.7																																6	6	9	17	
4/ 3		.2																																2	2	1	15	
2/ 1		.1																																1	1	3	9	
0/ -1																																					3	
-2/ -3		.2																																	2	2		1
-4/ -5		.1																																1	1	3		
-8/ -9																																					1	
-10/ -11																																					2	
-12/ -13																																					1	
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																																
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																										
Dry Bulb																																						
Wet Bulb																																						
Dew Point																																						

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB HI
STATION STATION NAME

69-78
YEARS

NOV
MONTH

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

Temp. (F)	WET GULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
56/ 55		.1																1	1						
54/ 53		.7																6	6	2	2				
52/ 51		.2	.4															6	6	10	10				
50/ 49		.1	.1															2	2	3	2				
48/ 47		.3	1.0		.4													16	16	9	8				
46/ 45		.9	1.1	.2		.1	.1											22	22	15	16				
44/ 43		.3	1.2	.6														19	19	13	11				
42/ 41			2.4	.2	.3													27	27	20	8				
40/ 39		.6	2.0	.3		.1												27	27	31	21				
38/ 37		.4	2.1	.8														30	30	28	17				
36/ 35		.6	4.2	1.1	.3													56	56	32	37				
34/ 33		.9	6.2	1.6														78	78	50	29				
32/ 31		.4	6.2	1.2														71	71	88	33				
30/ 29	1.2	5.8	1.0	.1														73	73	75	82				
28/ 27	.9	8.2	2.1	.1														102	102	80	58				
26/ 25	1.1	6.3	1.9															84	84	89	64				
24/ 23	.4	4.4	.3															47	47	79	64				
22/ 21	.3	3.6	.7															41	41	60	42				
20/ 19	1.9	4.0	.6															58	58	52	77				
18/ 17	.8	3.3																37	37	49	69				
16/ 15	.2	3.1																30	30	30	62				
14/ 13	.1	1.6																15	15	28	47				
12/ 11	.3	.6																8	8	10	37				
10/ 9	.9	.9																16	16	18	27				
8/ 7	.6	.4																9	9	7	27				
6/ 5	.1	.6																6	6	9	12				
4/ 3	.3	.4																7	7	4	12				
2/ 1		.2																2	2	5	12				
0/ -1	.1	.1																2	2	1	4				
-2/ -3		.1																1	1	2	1				
-4/ -5		.1																1	1	1					
-8/ -9																					3				
-10/-11																					2				
-12/-13																					1				
Element (X)	ΣX^2	ΣX	\bar{X}	s_x	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MJ

9-70

NDV
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
54/ 53		.7																6	6	2															
52/ 51	.3	.3																6	6	7	8														
50/ 49	.3	.2																5	5	7	8														
48/ 47		.9																8	8	5	5														
46/ 45	.8	1.8	.1															24	24	19	17														
44/ 43		.8	.6	.2														14	14	9	6														
42/ 41	.1	2.1	.2	.2														24	24	15	11														
40/ 39	.6	2.7	.6	.2	.1													37	37	29	18														
38/ 37	.6	1.9	.8															29	29	33	25														
36/ 35	1.2	2.8	.3	.1														40	40	34	25														
34/ 33	.4	7.6	1.2	.2														85	85	48	33														
32/ 31	1.0	4.9	1.7															68	68	41	24														
30/ 29	1.6	5.8	1.4															79	79	55	56														
28/ 27	1.7	6.8	1.9	.1														94	94	49	67														
26/ 25	.3	6.4	1.0															70	70	70	59														
24/ 23	.1	4.3	.7															46	46	72	47														
22/ 21	.4	5.6	.3															57	57	63	59														
20/ 19	1.2	3.6	.9															51	51	59	70														
18/ 17	1.1	4.9																54	54	56	61														
16/ 15	.1	3.1																29	29	39	68														
14/ 13	.6	1.9																22	22	23	50														
12/ 11	.3	.9																11	11	18	41														
10/ 9	.6	.3																8	8	12	30														
8/ 7	.1	.2																3	3	3	27														
6/ 5	.3	.7																9	9	8	14														
4/ 3	.9																	8	8	11	11														
2/ 1	.3	.2																5	5	5	7														
0/ -1	.2																	2	2	2	10														
-2/ -3	.2	.3																5	5	3	3														
-4/ -5		.1																1	1	2															
-6/ -7																				1	1														
-8/ -9																					1														
-10/-11																					2														
-12/-13																					2														
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total																							
Ref. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-5 (OL A) - RATIO METEOROLOGICAL DATA
 USAFETAC JUN 64

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-7R

NOV

STATION

STATION NAME

YEAR

MONTH

PAGE 1 1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B. Wet Bulb	Dry Bulb	Wet Bulb	Dew Point																				
68/ 67						.1		.1		.1																							3	3							
66/ 65						.1		.1	.1		.1																							4	4						
64/ 63									.1		.1																								2	2					
62/ 61				.1	.1			.1																											4	4					
60/ 59					.2	.1																													3	3					
58/ 57		.2	.1			.1		.1	.1							.1																			7	7	3				
56/ 55		.4			.1	.2	.2																												9	9	5				
54/ 53	.1	.1	.2	.2		.4	.2	.1		.1																									14	14	5	7			
52/ 51	.4	.3	.3	.6	.3	.3	.3	.3	.1	.1																										26	26	13	9		
50/ 49	.1	1.1	.1	.9	.3	.2	.1																													26	26	12	5		
48/ 47		1.3	.3	.6	.4	.1																														25	25	19	16		
46/ 45		1.0	.7	1.0	.4	.2																														30	30	28	11		
44/ 43		.8	.4	.6	.7	.2																														24	24	22	10		
42/ 41	.4	2.2	1.0	.8	.6																															45	45	38	20		
40/ 39		2.1	2.1	.8	.3	.1																														49	49	37	27		
38/ 37	.4	2.9	1.9	.9	.3																															58	58	55	21		
36/ 35	.3	2.2	3.8	1.6	.1																															72	72	62	49		
34/ 33	.1	3.0	3.8	1.1																																72	73	56	41		
32/ 31	.6	2.6	3.5	.4	.2																															65	65	83	46		
30/ 29	.7	4.9	4.2	.2																																90	91	82	63		
28/ 27	.1	4.8	3.7	.3																																80	80	87	49		
26/ 25		4.8	1.8	.2																																61	61	79	74		
24/ 23		1.8	1.3																																	28	28	70	54		
22/ 21		1.8	1.6																																	30	31	32	73		
20/ 19		1.9	.6																																	22	24	34	86		
18/ 17		2.2	.9																																	28	28	29	49		
16/ 15		.9	.1																																	9	9	22	42		
14/ 13		.1																																		1	1	12	33		
12/ 11		.1																																		1	1	2	18		
10/ 9		.1	.1																																	2	2	1	39		
8/ 7		.3	.1																																	4	4	1	27		
6/ 5		.1																																		1	1	5	4		
4/ 3																																						1		9	
2/ 1																																							2		
Element (X)	$\Sigma x'$	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																																			
Rel. Hum.						= 0 F	= 32 F	= 67 F	= 73 F	= 80 F	= 93 F	Total																													
Dry Bulb																																									
Wet Bulb																																									
Dew Point																																									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 STATION K I SAWYER AFB MI STATION NAME 19-7d YEARS NOV MONTH
 PAGE 1 1500-1700 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-19	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
70/ 69								.1										1	1																
68/ 67						.2	.2		.1	.2								7	7																
66/ 65					.1			.2	.2									5	5																
64/ 63							.1	.2										3	3																
60/ 59		.1			.2	.2												5	5																
58/ 57		.1	.1		.1			.1	.1		.1							6	6	5															
56/ 55		.7				.4	.4	.1	.2	.1								18	18	5	3														
54/ 53	.4	.3	.1	.1		.8	.3											19	19	10	8														
52/ 51		.3		.4	.4	.1		.1										13	13	10	8														
50/ 49		1.6		.7	.2	.2	.1	.1										26	26	15															
48/ 47	.1	.4	.2	.1	.1													11	11	15	17														
46/ 45	.4	1.3		.9	.9	.4	.1	.1										40	40	25	10														
44/ 43	.2	1.7	.9	.7	.8	.1												39	39	34	15														
42/ 41	.3	1.7	1.2	1.5	.8	.2												51	51	30	19														
40/ 39	.1	1.7	1.2	1.0	.1	.3												40	40	43	22														
38/ 37	.6	3.1	1.9	1.3	.3	.1												66	66	53	31														
36/ 35	.7	1.7	3.3	.6	.1													57	58	65	37														
34/ 33	.3	2.1	3.1	1.9	.1													68	68	52	56														
32/ 31	.7	3.3	2.9	.9														70	70	85	35														
30/ 29	.4	3.3	3.1	.3														65	65	78	58														
28/ 27	.3	5.2	3.3	.9														88	88	67	74														
26/ 25	.2	4.0	2.7	.2														64	64	80	62														
24/ 23		1.5	2.3															34	34	72	39														
22/ 21		1.8	1.5															29	29	41	71														
20/ 19	.2	1.6	1.0															25	25	38	73														
18/ 17		1.5	.3															16	15	21	52														
16/ 15		1.3	.3															15	15	23	55														
14/ 13		.8																7	7	13	30														
12/ 11		.1																1	1	8	23														
10/ 9		.1	.2															3	3	1	26														
8/ 7		.2	.1															3	3	1	32														
6/ 5		.1																1	1	5	17														
4/ 3																				1	4														
2/ 1																					6														
Element (X)	$\Sigma x'$	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 1034 JUL 64 USAFETAC C-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAF/TAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

59-78

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Drv Bulb	Wet Bulb	Dew Point																
62/ 61					.1			.1																							2	2				
60/ 59					.1																										1	1				
58/ 57		.2			.1	.1		.6																							9	9	1			
56/ 55		.1						.2																							3	3	3	3		
54/ 53		.3																													3	3	4	3		
52/ 51	.1	.7			.2	.1	.1		.1																						12	12	5	4		
50/ 49	.3	1.1	.1		.1	.2	.1		.1																						18	18	8	7		
48/ 47		.8			.8	.2	.1		.1																						17	17	13	11		
46/ 45	.2	1.2	.2		.4	.1		.1																							21	21	18	10		
44/ 43		1.8	.4		.4	.2		.2																							28	28	17	9		
42/ 41	.1	2.7	1.6		.4	.1	.1		.1																						45	45	33	20		
40/ 39	.4	1.2	1.6		.8	.2																									38	38	41	25		
38/ 37	1.0	3.2	.7		.9	.2																									54	54	43	17		
36/ 35	.9	3.1	1.9		.8																										60	60	54	37		
34/ 33	.3	3.3	3.3		.3																										66	66	51	52		
32/ 31	.7	4.5	4.2		.9																										92	92	70	50		
30/ 29	.6	4.2	3.3		.3																										76	76	91	42		
28/ 27	.9	5.2	2.2		.2																										77	77	75	64		
26/ 25		4.9	1.3		.3																										59	59	37	67		
24/ 23		4.4	1.5																												52	52	77	50		
22/ 21	.3	3.3	1.8																												49	49	51	57		
20/ 19	.6	2.9	1.0																												40	40	42	82		
18/ 17	.1	1.0	.2																												12	12	41	70		
16/ 15	.1	2.6																													24	24	15	54		
14/ 13		1.3																													12	12	22	31		
12/ 11	.1	.9																													9	9	11	26		
10/ 9	.2	.6																													7	7	11	30		
8/ 7		.3																													3	3	4	33		
6/ 5		.1																													1	1	2	14		
4/ 3		.2																													2	2		11		
2/ 1		.3																													3	3	2	2		
0/ -1		.1																													1	1	3	4		
-2/ -3																																	1		4	4
-4/ -5																																			1	1
Element (X)	Σx^2	Σx		\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature							Total																						
Rel. Hum.							≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																				
Wet Bulb																																				
Dew Point																																				

FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
NOV 64
USAF/TAC

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

9-70

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31		Dry Bulb	Wet Bulb	Dew Point
58/ 57				.1			.1											2	2		
56/ 55		.3		.1			.1											5	5	3	2
54/ 53		.6		.1			.1											7	7	3	4
52/ 51		.4																4	4	5	2
50/ 49	.1	.8					.1											9	9	5	5
48/ 47	.2	.7					.1	.2										11	11	9	9
46/ 45	.3	.9	.3	.2														16	16	12	12
44/ 43	.3	1.3	.2	.7			.1											24	24	12	7
42/ 41	.4	1.4	.7	.6	.1		.1											30	30	27	20
40/ 39	.3	2.7	.6	.4	.3													39	39	27	18
38/ 37	.9	2.7	1.1	.4														46	46	38	21
36/ 35	1.0	2.7	1.2	.2														46	46	47	29
34/ 33	.8	6.0	1.6	.8	.1													83	83	50	36
32/ 31	1.0	5.0	3.8	.2														90	90	84	47
30/ 29	.9	3.4	2.8	.7														87	87	82	47
28/ 27	1.0	5.9	2.2															82	82	98	77
26/ 25	.2	5.5	1.6															65	65	73	57
24/ 23		4.3	.7															45	45	75	74
22/ 21	.8	4.5	.6															52	52	56	51
20/ 19	1.0	3.0	.8															43	43	47	73
18/ 17	.4	3.0																31	31	47	70
16/ 15	.1	2.7																25	25	25	60
14/ 13	.2	1.3																14	14	20	44
12/ 11	.3	1.2																14	14	17	32
10/ 9	.4	.6																9	9	16	23
8/ 7	.4	.6																9	9	7	29
6/ 5		.2																2	2	4	16
4/ 3		.1																1	1	1	18
2/ 1		.3																3	3	2	2
0/ -1		.1																1	1	2	3
-2/ -3		.2																2	2	3	2
-8/ -9																					2
-10/ -11																					2
-12/ -13																					1
Element (X)	ΣX^1	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total									
Rel. Hum.						≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F										
Dry Bulb																					
Wet Bulb																					
Dew Point																					

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94835 K I SAWYER AFB MI

1976

YEARS

NOV
MONTH

PAGE 1

ALL
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	TOTAL																	
70/ 69							.0																													1	1		
68/ 67							.0	.0	.0	.0	.0																									10	10		
66/ 65							.0	.0	.0	.0	.0																									9	9		
64/ 63								.0	.0	.0	.0																									5	5		
62/ 61			.0	.0	.0	.0	.0	.0	.0	.0	.0																									7	7		
60/ 59		.0	.0	.0	.1	.0	.0	.0	.0	.0	.0																									10	10		
58/ 57		.1	.0	.0	.0	.0	.1	.0	.0	.1	.0	.0																								24	24	10	
56/ 55		.3	.0	.0	.0	.1	.1	.0	.0	.1	.0	.0																								42	42	16	8
54/ 53	.1	.5	.0	.1	.0	.2	.1	.0	.1	.0	.0	.0																								71	71	36	30
52/ 51	.2	.4	.1	.2	.2	.1	.0	.0	.0	.0	.0	.0																								82	82	62	56
50/ 49	.2	.8	.1	.2	.1	.1	.1	.0	.0	.0	.0	.0																								109	109	62	36
48/ 47	.2	.9	.1	.2	.1	.1	.1	.0	.0	.0	.0	.0																								123	123	95	86
46/ 45	.4	1.2	.3	.4	.2	.1	.0	.0	.0	.0	.0	.0																								193	193	151	108
44/ 43	.2	1.2	.6	.4	.2	.1	.0	.0	.0	.0	.0	.0																								195	195	146	74
42/ 41	.3	2.1	.7	.6	.3	.1	.0	.0	.0	.0	.0	.0																								284	284	208	123
40/ 39	.4	2.1	1.0	.4	.2	.1	.0	.0	.0	.0	.0	.0																								299	299	273	175
38/ 37	.6	2.6	1.2	.5	.1	.0	.0	.0	.0	.0	.0	.0																								365	365	326	193
36/ 35	.8	3.0	1.8	.6	.0	.0	.0	.0	.0	.0	.0	.0																								451	452	375	265
34/ 33	.5	5.0	2.3	.6	.1	.0	.0	.0	.0	.0	.0	.0																								603	604	424	321
32/ 31	.7	4.9	2.5	.4	.0	.0	.0	.0	.0	.0	.0	.0																								613	613	671	372
30/ 29	.9	5.1	2.5	.3	.0	.0	.0	.0	.0	.0	.0	.0																								626	627	632	470
28/ 27	.8	6.3	2.4	.2	.0	.0	.0	.0	.0	.0	.0	.0																								703	703	653	513
26/ 25	.4	5.6	1.6	.1	.0	.0	.0	.0	.0	.0	.0	.0																								553	553	651	531
24/ 23	.2	3.5	1.1	.0	.0	.0	.0	.0	.0	.0	.0	.0																								342	342	587	429
22/ 21	.4	3.5	1.0	.0	.0	.0	.0	.0	.0	.0	.0	.0																								348	349	415	499
20/ 19	.8	3.0	.7	.0	.0	.0	.0	.0	.0	.0	.0	.0																								318	321	368	582
18/ 17	.4	2.8	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0																								245	245	316	487
16/ 15	.1	2.5	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0																								190	190	223	452
14/ 13	.2	1.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0																								98	98	167	312
12/ 11	.2	.6	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0																								61	61	85	251
10/ 9	.4	.5	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0																								64	64	80	240
8/ 7	.2	.4	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0																								46	46	39	223
6/ 5	.1	.3	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0																								27	27	44	105
4/ 3	.2	.2	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0																								23	23	22	87
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																																	
Rel. Hum.						≤ 0 F	≤ 1 F	≤ 6 F	≤ 7 F	≥ 80 F	≥ 93 F	Total																											
Dry Bulb																																							
Wet Bulb																																							
Dew Point																																							

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

8-77

DEC
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																								TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-6	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	* 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point							
42/ 41	.2	.1																3	3	2	2							
40/ 39	.3																	3	3	4	4							
36/ 35		.5	.2															7	7									
34/ 33	.2	2.4	.2															26	26	19	1							
32/ 31	1.8	2.8	.3															46	46	43	34							
30/ 29	.9	3.3																39	39	33	27							
28/ 27	2.0	3.8	.6															60	60	54	35							
26/ 25	1.8	5.5																68	68	59	32							
24/ 23	.8	5.2	.6															61	61	56	51							
22/ 21	.4	6.0	.1	.1														65	65	58	44							
20/ 19	4.3	6.0																96	96	104	26							
18/ 17	2.2	4.4																61	61	89	71							
16/ 15	1.0	5.8																63	63	54	82							
14/ 13	.8	3.9																43	43	48	85							
12/ 11	1.6	4.1																53	53	49	71							
10/ 9	2.7	2.7																50	50	56	55							
8/ 7	1.0	2.6																33	33	34	55							
6/ 5	.5	1.9																23	23	30	41							
4/ 3	.9	1.5																22	22	22	24							
2/ 1	.4	1.7																20	20	21	24							
0/ -1	2.5	.4																27	27	30	18							
-2/ -3	1.0	.2																11	11	14	19							
-4/ -5	1.1	.2																12	12	12	25							
-6/ -7	1.7																	16	16	17	13							
-8/ -9	1.1																	10	10	10	19							
-10/-11	.3																	3	3	3	14							
-12/-13	.5																	5	5	5	12							
-14/-15	.3																	3	3	3	18							
-16/-17																					11							
-18/-19																					6							
-20/-21																					1							
-22/-23																					1							
-24/-25																					2							
-26/-27																					6							
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total																
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																	
Dry Bulb																												
Wet Bulb																												
Dew Point																												

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAHYEK AFB MI

8-77

DEC
 MONTH

PAGE 1 0200-0500
 HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
42/41			.1															1	1																
40/39	.5																	5	5	6	4														
38/37																					2														
36/35	.1	.9	.1															10	10	2															
34/33	.4	2.3	.1	.1														27	27	16	8														
32/31	1.5	2.3	.1	.1														37	37	42	24														
30/29	1.4	2.7	.2															40	40	33	30														
28/27	1.7	4.8	.1															62	62	51	30														
26/25	.6	4.5																48	48	43	30														
24/23	.6	4.6	.4															53	53	55	40														
22/21	.4	6.6	.4	.1														70	70	61	37														
20/19	2.9	8.1																102	102	87	43														
18/17	2.0	5.3																68	68	102	68														
16/15	1.0	5.4																59	59	62	75														
14/13	1.0	3.1																38	38	47	72														
12/11	1.4	2.0																41	41	34	81														
10/9	2.9	4.6																70	70	63	67														
8/7	1.2	2.4																33	33	39	45														
6/5	1.0	2.2																29	29	33	38														
4/3	1.2	2.2																31	31	34	43														
2/1	.3	1.9																21	21	23	25														
0/-1	2.2	.3																23	23	27	22														
-2/-3	.5	.3																8	8	9	21														
-4/-5	1.5	.2																16	16	18	12														
-6/-7	.6	.1																7	7	6	23														
-8/-9	1.6																	15	15	16	19														
-10/-11	.3																	3	3	3	14														
-12/-13	.9																	8	8	8	14														
-14/-15	.2																	2	2	2	13														
-16/-17	.3																	3	3	3	9														
-18/-19																					5														
-20/-21																					7														
-24/-25																					4														
-26/-27																					5														
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total																							
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F																								
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 0-26-5 (OL A) AIR WEATHER SERVICE/AFSS FORM 0-26-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB HI

R-77

YEARS

DEC

PAGE 1 0600-0000
 HOURS IL. S. T. I.

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
40/ 39	.3	.1																4	4	4	3														
38/ 37	.2	.3																5	5	3	1														
36/ 35	.1	.8																8	8	7	5														
34/ 33	.1	2.5	.1															25	25	14	6														
32/ 31	1.2	2.7																36	36	31	26														
30/ 29	1.1	3.0	.1	.3														42	42	45	23														
28/ 27	1.3	4.2	.1															52	52	35	43														
26/ 25	1.3	2.8																38	38	42	21														
24/ 23	.5	3.3	.2															38	38	43	29														
22/ 21	.8	9.7	.5															102	102	57	30														
20/ 19	1.9	7.4																87	87	104	42														
18/ 17	2.0	6.6																80	80	52	69														
16/ 15	1.2	5.3																60	60	70	76														
14/ 13	1.1	3.5																43	43	44	71														
12/ 11	1.0	2.7																34	34	43	92														
10/ 9	2.9	3.1																56	56	53	70														
8/ 7	1.5	3.7																48	48	37	44														
6/ 5	1.4	1.9																31	31	46	32														
4/ 3	.9	2.0																27	27	23	39														
2/ 1	.6	1.9																24	24	27	35														
0/ -1	2.9	.2																29	29	37	21														
-2/ -3	1.0	.3																12	12	14	16														
-4/ -5	.6	.1																7	7	7	21														
-6/ -7	1.0																	9	9	9	27														
-8/ -9	.9																	8	8	8	20														
-10/-11	.9																	8	8	8	13														
-12/-13	.8																	7	7	7	11														
-14/-15	.4																	4	4	4	10														
-16/-17	.4																	4	4	4	5														
-18/-19																					10														
-20/-21	.2																	2	2	2	7														
-22/-23																					2														
-24/-25																					4														
-26/-27																					3														
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

USAFETAC FORM 34 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

68-77

DEC

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)											TOTAL		TOTAL											
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
44/ 43		.2																2	2						
42/ 41																				2	1				
40/ 39	.1	.2																3	3	3	2				
38/ 37	.5	.3		.2														10	10	6	6				
36/ 35	.1	.3																4	4	4	3				
34/ 33	.8	2.2	.1															28	28	18	8				
32/ 31	.5	3.0	.1		.1													35	35	30	18				
30/ 29	2.0	2.6	.2	.1														46	46	44	32				
28/ 27	1.8	3.8	.3	.2														57	57	46	35				
26/ 25	1.2	3.0	.2															41	41	40	23				
24/ 23	.2	4.5	.1															45	45	44	39				
22/ 21	.6	8.5	.1															86	86	70	34				
20/ 19	2.7	8.8																107	107	79	28				
18/ 17	2.2	8.1																95	95	109	78				
16/ 15	1.3	5.0																58	58	83	96				
14/ 13	1.0	3.1																38	38	45	78				
12/ 11	2.2	2.8																46	46	40	85				
10/ 9	2.2	3.8																55	55	52	80				
8/ 7	1.3	2.6																36	36	39	40				
6/ 5		2.8																26	26	28	34				
4/ 3	.9	1.8																25	25	33	33				
2/ 1	.3	2.2																23	22	23	17				
0/ -1	1.8	.3																20	20	25	27				
-2/ -3	.8	.2																9	9	11	22				
-4/ -5	.3	.1																4	4	4	12				
-6/ -7	1.1	.1																11	11	12	23				
-8/ -9	1.0																	9	9	9	16				
-10/-11	.5																	5	5	5	16				
-12/-13	.3																	3	3	3	10				
-14/-15																					5				
-16/-17	.1																	1	1	1	8				
-18/-19																					10				
-20/-21																					3				
-22/-23	.1																	1	1	1	2				
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.													Mean No. of Hours with Temperature							
Rel. Hum.																		≤ 0 F	≤ 32 F	≥ 57 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb																									
Wet Bulb																									
Dew Point																									

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

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE / SAC

PSYCHROMETRIC SUMMARY

9483A K I SAWYER AFB MI

68-77

YEARS

DEC
 MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb
44/ 43		.1															1	1		
42/ 41		.2															2	2	3	
40/ 39		.2				.3											5	5		3
38/ 37	.4	.1	.4														9	9	7	3
36/ 35	.5	.9				.2											15	15	9	8
34/ 33	.4	2.6	1.3	.3													43	43	18	8
32/ 31	1.0	4.7	1.0	.3													65	65	50	22
30/ 29	.6	3.6	1.3	.2													53	53	56	33
28/ 27	1.2	3.0	1.4														52	52	60	35
26/ 25	.3	4.8	1.6														63	63	41	43
24/ 23	.1	7.9	1.2														85	85	73	29
22/ 21	.3	10.5	1.3														113	113	107	45
20/ 19	1.7	8.3	.9														101	101	107	60
18/ 17	.8	6.8	.2														72	72	108	78
16/ 15	.6	6.4	.2														67	67	69	97
14/ 13	.4	3.0	.6														38	38	56	101
12/ 11	.4	3.1	.1														34	34	30	79
10/ 9	.3	3.9	.3														42	42	37	67
8/ 7		2.5	.1														24	24	32	41
6/ 5		1.2															11	11	22	36
4/ 3		1.5															14	14	14	18
2/ 1		.8															7	7	11	16
0/ -1	.4	.3															7	7	10	12
-2/ -3		.3															3	3	5	20
-4/ -5		.2															2	2	1	12
-6/ -7		.1															1	1	3	26
-8/ -9																				12
-10/-11																				11
-12/-13																				1
-14/-15																				3
-16/-17																				4
-18/-19																				3
-20/-21																				3
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total								
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F									
Dry Bulb																				
Wet Bulb																				
Dew Point																				

FORM 0-26-5 (OL A) JUL 64 REVERSED MIRROR EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

68-77

DEC

STATION

STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	C	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
44/ 43																		3	3					
42/ 41		.1	.2																	2				
40/ 39	.4	.3		.2														9	9	5	3			
38/ 37	.2	.1		.2	.2													7	7	5	5			
36/ 35	.3	.9	.5	.2	.3													21	21	7	6			
34/ 33	.9	2.7	.9	.3	.1													45	45	21	7			
32/ 31	1.7	3.4	2.2	.2	.1													71	71	59	29			
30/ 29	1.1	3.1	1.7	.2														57	57	52	31			
28/ 27	.6	4.0	1.3	.2														57	57	58	37			
26/ 25	.1	5.5	.2															54	54	56	40			
24/ 23	.8	9.6	1.4															109	109	83	30			
22/ 21	.8	9.2	1.7															109	109	109	46			
20/ 19	1.2	6.5	1.0															80	80	94	84			
18/ 17	1.0	6.8	1.3	.1														85	85	101	67			
16/ 15	.5	5.4	.9															63	63	75	90			
14/ 13	.2	2.6	.3															29	29	55	88			
12/ 11		2.7	.1															26	26	22	81			
10/ 9	.2	3.7	.3															39	39	30	66			
8/ 7		2.7																25	25	33	32			
6/ 5		1.7																16	16	24	38			
4/ 3		1.3																12	12	16	22			
2/ 1		.4																4	4	11	21			
0/ -1	.1	.2																3	3	5	11			
-2/ -3		.3																3	3	4	17			
-4/ -5																					17			
-6/ -7	.1																	1	1	1	25			
-8/ -9	.2																	2	2	2	11			
-10/-11																					9			
-12/-13																					5			
-14/-15																					3			
-16/-17																					3			
-18/-19																					2			
-20/-21																					3			
-22/-23																					1			
Element (X)	Z _X ²	Z _X	X̄	e _X	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb																								
Wet Bulb																								
Dew Point																								

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

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI

08-77

DEC

STATION STATION NAME

YEARS

MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)														TOTAL		TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
42/41			.1															1	1		
40/39	.6	.1																7	7	7	6
38/37		.2	.1															3	3	1	
36/35	.2	.8	.1	.3														13	13	6	2
34/33	.5	2.2		.1	.1													27	27	21	8
32/31	1.6	4.1		.1														54	54	46	31
30/29	1.1	3.7	.6	.1														51	51	39	30
28/27	1.3	3.7	1.3															58	56	52	35
26/25	.3	4.8	.1															49	49	49	34
24/23	1.4	7.4	.4	.1														87	87	82	27
22/21	.9	9.6	.2															99	99	71	56
20/19	1.7	7.2	.2															85	85	106	63
18/17	1.9	6.2	.1															77	77	104	78
16/15	.1	7.3	.1															70	70	56	71
14/13	.8	3.9	.2															45	45	60	87
12/11	.5	3.2																35	35	48	75
10/9	.9	3.3																39	39	34	66
8/7	.6	2.4																28	28	31	51
6/5	.4	1.5																18	18	22	34
4/3	.2	1.7																18	18	19	18
2/1	.1	2.2																21	21	18	35
0/-1	1.9																	18	18	31	15
-2/-3	1.1	.2																12	12	11	14
-4/-5	.1	.1																2	2	3	11
-6/-7	.4																	4	4	4	19
-8/-9	.5																	5	5	5	23
-10/-11	.3																	3	3	3	12
-12/-13	.1																	1	1	1	7
-14/-15																					11
-16/-17																					4
-18/-19																					2
-20/-21																					1
-22/-23																					1
-24/-25																					3
Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.							≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≥ 93 F	Total								
Dry Bulb																					
Wet Bulb																					
Dew Point																					

USAFETAC FORM 0-20-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
 JUL 64

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94835 STATION K I SAWYER AFB MI

8-77 YEARS

DEC MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL			
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
42/ 41			.2																															2	2		
40/ 39	.4																																	4	4	6	6
38/ 37				.1																														1	1		
36/ 35		.9	.5	.1																														14	14		
34/ 33	.2	2.3	.1																															24	24	20	2
32/ 31	1.8	2.5																																40	40	44	34
30/ 29	1.0	3.4	.3																															50	50	44	21
28/ 27	1.0	4.2	.8																															61	61	45	41
26/ 25	.6	5.7	.2																															61	61	47	34
24/ 23	1.1	6.1	.2																															69	69	75	29
22/ 21	.9	6.3	.2																															69	69	64	61
20/ 19	3.7	6.3	.3																															96	96	98	48
18/ 17	2.3	5.4																																71	71	94	70
16/ 15	.8	6.2																																65	65	71	80
14/ 13	.4	4.6	.1																															48	48	40	72
12/ 11	1.6	3.4																																47	47	50	76
10/ 9	1.7	3.9																																52	52	57	65
8/ 7	.8	2.0																																26	26	30	48
6/ 5	.2	1.2																																13	13	20	37
4/ 3	1.0	.9																																17	17	20	28
2/ 1	.5	1.9																																23	23	17	22
0/ -1	2.0	.2																																21	21	30	20
-2/ -3	1.5	.1																																15	15	17	17
-4/ -5	1.4	.3																																16	16	16	8
-6/ -7	1.5																																	14	14	14	17
-8/ -9	.2																																	2	2	2	26
-10/ -11	.5																																	5	5	5	15
-12/ -13																																					21
-14/ -15	.3																																	3	3	3	6
-16/ -17	.1																																	1	1	1	3
-18/ -19																																					5
-22/ -23																																					1
-24/ -25																																					2
-26/ -27																																					7
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						Total																									
Rel. Hum						$\leq 0 F$	$\leq 32 F$	$\approx 67 F$	$\approx 73 F$	$\approx 80 F$	$\approx 93 F$																										
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

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

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI 68-77 DEC
STATION MONTH

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

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
44/ 43		.1	.0															6	6																
42/ 41	.0	.1	.0															9	9	9	3														
40/ 39	.3	.1		.0	.0													40	40	35	31														
38/ 37	.2	.1	.1	.1	.0													35	35	22	17														
36/ 35	.2	.7	.2	.1	.1													92	92	35	24														
34/ 33	.4	2.4	.3	.1	.0													245	245	147	48														
32/ 31	1.4	3.2	.5	.1	.0													384	384	345	218														
30/ 29	1.2	3.2	.9	.1														378	378	347	227														
28/ 27	1.5	3.9	.7	.1														459	459	401	291														
26/ 25	.8	4.6	.3															422	422	377	257														
24/ 23	.7	6.1	.6	.0														547	547	511	274														
22/ 21	.6	8.3	.6	.0														713	713	597	353														
20/ 19	2.5	7.3	.3															754	754	799	394														
18/ 17	1.8	6.2	.2	.0														609	609	799	585														
16/ 15	.8	5.8	.1															505	505	549	667														
14/ 13	.7	3.5	.2															322	322	395	654														
12/ 11	1.1	3.1	.0															316	316	316	640														
10/ 9	1.7	3.0	.1															403	403	387	536														
8/ 7	.8	2.6	.0															253	253	275	356														
6/ 5	.4	1.8																167	167	225	290														
4/ 3	.6	1.6																166	166	181	225														
2/ 1	.3	1.6																143	143	151	195														
0/ -1	1.7	.3																148	148	195	146														
-2/ -3	.7	.3																73	73	85	146														
-4/ -5	.6	.2																59	59	61	118														
-6/ -7	.8	.0																63	63	66	173														
-8/ -9	.7																	51	51	52	146														
-10/ -11	.4																	27	27	27	104														
-12/ -13	.3																	24	24	24	81														
-14/ -15	.2																	12	12	12	71														
-16/ -17	.1																	9	9	9	47														
-18/ -19																					43														
-20/ -21	.0																	2	2	2	25														
-22/ -23	.0																	1	1	1	8														
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26-5 (OL A) JUL 64

USAFETAC

REVISED WITHOUT ERRORS OF THE FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94836 K I SAWYER AFB MI 2-78 ALL
 STATION STATION NAME YEARS MONTH
 PAGE 2 ALL

Temp. F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point														
32/ 31	.4	2.1	1.0	.2	.0	.0												3342	3347	3491	2770														
30/ 29	.5	2.1	.9	.2	.0													3212	3216	3679	3045														
28/ 27	.6	2.2	.9	.2	.0													3359	3362	3269	3672														
26/ 25	.3	2.2	.6	.1	.0													2734	2742	3084	3124														
24/ 23	.2	1.9	.5	.1														2334	2337	3037	2462														
22/ 21	.2	2.2	.4	.0														2511	2520	2601	2847														
20/ 19	.6	2.1	.3	.0														2611	2518	2821	3018														
18/ 17	.4	2.0	.3	.0														2292	2297	2710	2984														
16/ 15	.2	1.9	.2															2048	2055	2229	2945														
14/ 13	.2	1.4	.1															1516	1519	1856	2477														
12/ 11	.3	1.3	.1															1474	1476	1576	2402														
10/ 9	.4	1.5	.0															1674	1676	1657	2274														
8/ 7	.2	1.2	.0															1242	1243	1346	1895														
6/ 5	.1	.9	.0															857	857	1158	1405														
4/ 3	.3	.8																958	958	968	1265														
2/ 1	.1	.9																866	867	911	1340														
0/ -1	.5	.2																682	682	957	1015														
-2/ -3	.4	.2																525	526	590	913														
-4/ -5	.3	.1																398	400	417	797														
-6/ -7	.4	.0																354	355	398	869														
-8/ -9	.6																	378	379	384	762														
-10/-11	.3																	239	239	239	621														
-12/-13	.1																	131	131	131	476														
-14/-15	.2																	141	141	141	481														
-16/-17	.1																	102	102	102	343														
-18/-19	.1																	52	53	52	274														
-20/-21	.0																	26	26	26	208														
-22/-23	.0																	7	7	7	143														
-24/-25	.0																	12	12	12	138														
-26/-27																					133														
-28/-29																					32														
-30/-31																					27														
-32/-33																					18														
-34/-35																					21														
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.						≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																							
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

FORM 0-26.5 (OL A) REVISED WITHOUT NOTATION OF THIS FORM ARE OBSOLETE
 USAFETAC JUL 64

GLOBAL CLIMATOLOGY BRANCH
AFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

94835 K I SAWYER AFB MI
STATION

68-78
YEARS

ALL
MONTH

PAGE 3

ALL
HOURS (L. S. T.)

Temp. (°)	WET BULB TEMPERATURE DEPRESSION (F)															TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	*31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
36/-37																					11
TOTAL	11.2	45.7	7.0	8.9	5.6	4.0	3.0	2.1	1.3	.7	.3	.2	.0	.0	.0	.0		8757		87393	
																	87393				
Element (X)	$\sum X^2$	$\sum X$	\bar{X}	S_x	No. Obs.	Mean No. of Hours with Temperature					Total										
Rel. Hum.	48696.366	6386660	72.71677	87393	≤ 0 F	≤ 32 F	= 67 F	= 73 F	= 80 F	= 93 F	8760										
Dry Bulb	172597807	3407171	38.92137	87576	304.8	612.0	899.0	441.8	134.9	2.7	8760										
Wet Bulb	141224435	3084263	35.419136	87393	345.6	898.7	251.4	29.8	.2		8760										
Dew Point	115735926	2630750	30.120449	87393	728.2	705.5	91.6	6.0			8760										

READ REVERSE SIDING OF THIS FORM AND CALCULATE

FORM 0-26-5 (OL A)

USAFETAC

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

94836 K I SAWYER AFB MI

CB-76

STATION	STATION NAME	YEARS												
HRS IN ST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN	9.8	11.9	20.0	31.5	43.0	51.9	57.8	56.4	48.7	40.4	29.0	17.0	34.9
	S D	12.610	12.142	11.313	9.732	10.394	8.310	7.613	7.746	9.149	9.468	9.878	10.778	19.393
	TOTAL OBS	928	846	930	899	920	900	929	928	900	930	900	929	10949
03-05	MEAN	8.9	10.8	18.5	30.1	41.1	50.0	55.8	54.4	47.5	39.1	28.2	16.5	33.5
	S D	12.779	12.466	11.899	10.062	9.956	8.378	7.657	7.785	9.369	9.426	9.777	10.941	19.155
	TOTAL OBS	930	846	930	900	929	900	926	926	899	929	900	930	10945
06-08	MEAN	8.4	10.2	17.5	31.0	43.9	53.5	58.5	56.0	47.5	38.6	27.7	16.1	34.2
	S D	12.759	12.616	12.336	10.075	10.122	8.195	7.183	7.385	9.105	9.321	10.009	11.054	20.129
	TOTAL OBS	928	845	929	900	930	898	930	927	900	930	900	930	10947
09-11	MEAN	9.9	13.2	23.6	36.2	52.5	62.1	67.5	65.7	54.9	43.7	30.3	17.3	40.0
	S D	12.028	11.244	9.838	10.685	12.291	9.313	7.335	7.503	8.333	8.959	9.974	10.298	22.325
	TOTAL OBS	929	846	930	900	930	899	930	929	900	930	899	929	10951
12-14	MEAN	15.0	19.0	28.5	42.3	50.6	66.0	71.5	70.6	59.9	49.1	31.3	21.1	44.6
	S D	10.075	9.873	9.464	12.353	13.695	10.529	8.304	8.651	9.583	10.236	10.3.3	8.373	22.290
	TOTAL OBS	930	845	930	900	930	900	927	928	900	930	900	929	10949
15-17	MEAN	16.2	20.4	29.7	42.6	57.1	65.8	71.8	71.0	60.3	49.6	34.5	21.7	45.2
	S D	10.119	9.986	9.536	12.415	13.904	10.802	8.782	9.157	10.110	10.447	10.839	8.328	22.125
	TOTAL OBS	928	846	929	900	930	900	929	929	899	929	897	930	10946
18-20	MEAN	13.0	17.0	26.6	39.1	53.4	62.6	68.5	66.8	55.5	44.9	31.3	19.1	41.6
	S D	11.309	10.543	9.391	11.105	12.680	10.014	8.387	8.282	9.267	9.319	9.993	9.606	21.650
	TOTAL OBS	930	845	930	900	930	896	929	929	899	929	896	930	10943
21-23	MEAN	10.8	13.6	22.6	34.3	46.8	56.1	61.6	60.0	50.6	41.8	29.4	17.7	37.2
	S D	12.287	11.562	10.367	9.768	11.237	8.643	7.593	7.648	8.675	9.266	9.715	10.409	20.103
	TOTAL OBS	930	845	930	900	930	899	927	928	900	930	897	930	10946
ALL HOURS	MEAN	11.5	14.5	23.4	36.1	49.3	58.5	64.1	62.6	53.1	43.4	30.6	18.3	38.9
	S D	12.096	11.895	11.407	11.809	13.281	11.079	9.903	10.225	10.461	10.351	10.370	10.214	21.378
	TOTAL OBS	7433	6764	7438	7199	7439	7192	7427	7424	7197	7437	7189	7437	87576

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

94836 K I SAWYER AFB HI

68-78

STATION	STATION NAME	YEARS												
HRS (L.S.?)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02		MEAN 9.0	11.0	18.6	29.1	39.7	48.9	54.8	54.0	46.9	38.2	27.3	16.1	32.9
		S D 12.355	11.618	10.859	9.380	9.798	8.000	7.424	7.566	8.940	9.135	7.626	10.537	18.611
		TOTAL OBS 928	844	927	899	930	897	929	916	899	927	900	929	10925
03-05		MEAN 8.2	10.0	17.2	28.2	38.4	47.5	53.5	52.5	46.0	37.3	26.7	15.6	31.8
		S D 12.524	12.007	11.536	9.788	9.588	8.144	7.612	7.712	9.252	9.165	9.608	10.713	18.578
		TOTAL OBS 930	846	927	900	929	897	926	913	897	926	900	930	10921
06-08		MEAN 7.8	9.3	16.4	28.8	40.6	50.1	55.4	53.7	46.0	36.9	26.3	15.2	32.3
		S D 12.524	12.189	12.014	9.638	9.308	7.682	6.879	7.224	9.010	9.173	9.861	10.812	19.280
		TOTAL OBS 927	842	924	897	930	895	930	911	899	927	900	930	10912
09-11		MEAN 9.1	12.2	21.5	33.6	45.4	54.9	60.2	59.3	50.8	40.6	28.4	16.4	36.1
		S D 11.771	10.698	9.436	8.954	9.619	7.65	6.356	6.145	7.629	8.557	9.575	10.092	19.860
		TOTAL OBS 929	839	922	900	930	897	930	917	900	930	898	929	10921
12-14		MEAN 13.5	16.9	25.1	35.9	47.3	56.4	61.7	61.1	53.0	43.6	31.1	19.5	38.9
		S D 9.846	9.102	8.608	9.471	9.873	7.903	6.465	6.332	7.977	8.940	9.276	8.244	18.840
		TOTAL OBS 930	842	926	900	930	900	927	922	900	930	895	929	10931
15-17		MEAN 14.5	17.9	25.9	36.1	47.3	56.3	61.6	61.2	53.1	43.7	31.1	20.0	39.2
		S D 9.844	9.000	8.485	9.613	9.967	8.043	6.514	6.542	8.162	9.006	9.638	8.209	18.573
		TOTAL OBS 928	845	925	900	930	899	929	922	898	929	896	930	10931
18-20		MEAN 11.9	15.3	23.8	34.0	45.4	54.8	60.2	59.6	50.9	41.2	28.9	17.9	37.1
		S D 11.044	9.798	8.655	9.243	9.850	7.984	6.826	6.742	8.121	8.779	9.440	9.404	18.963
		TOTAL OBS 930	845	926	900	930	893	929	925	896	926	896	930	10926
21-23		MEAN 9.9	12.5	20.8	31.1	42.0	51.6	57.1	56.3	48.2	39.3	27.5	16.7	34.5
		S D 11.966	10.996	9.877	9.033	9.956	7.880	7.052	7.173	8.599	8.958	9.369	10.163	18.800
		TOTAL OBS 930	843	924	900	930	896	927	922	900	927	897	930	10926
ALL HOURS		MEAN 10.5	13.1	21.2	32.1	43.3	52.6	58.1	57.3	49.4	40.1	28.4	17.2	35.4
		S D 11.762	11.146	10.561	9.859	10.291	8.535	7.546	7.683	6.922	9.297	9.704	9.958	19.136
		TOTAL OBS 7432	6746	7461	7196	7439	7174	7427	7348	7189	7422	7182	7437	87393

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

94836

K I SAWYER AFB MI

68-78

STATION		STATION NAME												YEARS
HRS	LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
60-02	MEAN	3.3	5.4	13.3	24.1	35.1	46.0	52.4	52.1	45.2	35.3	23.3	11.5	29.0
	S D	14.83	13.38	11.66	11.05	11.12	8.85	8.11	8.14	9.40	10.21	11.18	12.47	20.44
	TOTAL OBS	928	844	927	899	930	897	929	916	899	927	900	929	10925
03-05	MEAN	7.5	4.5	12.2	23.7	34.6	45.2	51.6	51.0	44.5	34.7	23.0	11.1	28.3
	S D	14.96	13.66	13.41	11.40	10.85	8.87	8.19	8.26	9.73	10.19	11.16	12.49	20.49
	TOTAL OBS	930	846	927	900	929	897	926	913	897	926	900	930	10921
06-08	MEAN	2.0	3.9	11.4	24.1	36.3	47.0	52.9	52.0	44.5	34.4	22.6	10.8	28.6
	S D	15.01	13.76	13.99	11.22	10.36	8.47	7.56	7.78	9.53	10.19	11.36	12.64	21.04
	TOTAL OBS	927	842	924	897	930	895	930	911	899	927	900	930	10912
09-11	MEAN	3.1	6.3	15.1	26.0	37.9	49.0	54.9	54.9	47.1	36.7	24.2	11.8	30.7
	S D	14.33	12.34	11.78	10.69	10.89	9.08	7.84	7.34	8.72	9.89	11.06	12.05	20.90
	TOTAL OBS	929	839	922	900	930	897	930	917	900	930	898	929	10921
12-14	MEAN	6.2	9.0	16.7	26.6	38.1	49.1	55.1	54.8	47.1	37.1	25.1	13.9	31.7
	S D	12.88	11.26	11.32	10.80	11.22	9.35	8.00	7.76	9.58	10.68	11.02	11.65	19.96
	TOTAL OBS	930	842	926	900	930	900	927	922	900	930	895	929	10931
15-17	MEAN	6.7	9.4	17.2	26.5	37.5	48.9	54.9	54.7	46.9	36.9	24.8	14.1	31.6
	S D	12.93	11.13	11.13	10.94	11.40	9.63	8.05	7.90	9.72	10.93	11.46	10.85	19.82
	TOTAL OBS	928	845	925	900	930	899	929	922	898	929	896	930	10931
18-20	MEAN	5.3	8.3	16.5	25.8	36.7	48.4	54.4	54.5	46.9	36.4	23.9	13.1	30.9
	S D	13.72	11.71	11.20	10.97	11.62	9.63	8.39	8.12	9.04	10.56	11.23	11.41	20.17
	TOTAL OBS	930	845	926	900	930	893	929	925	896	926	896	930	10926
21-23	MEAN	4.0	6.6	15.0	24.9	36.1	47.5	53.6	53.6	45.9	35.8	23.2	12.1	30.0
	S D	14.40	12.69	11.83	10.85	11.38	8.99	8.01	7.94	9.20	10.38	10.99	12.15	20.41
	TOTAL OBS	930	843	924	900	930	896	927	922	900	927	897	930	10926
ALL HOURS	MEAN	4.2	6.7	14.7	25.2	36.5	47.6	53.7	53.5	46.0	35.9	23.7	12.3	30.1
	S D	14.24	12.67	12.37	11.04	11.17	9.21	8.11	8.04	9.42	10.42	11.21	11.91	20.44
	TOTAL OBS	7432	6746	7401	7196	7439	7174	7427	7348	7189	7422	7182	7437	87393

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

94836
 STATION

K I SAWYER AFB MI
 STATION NAME

64-78
 PERIOD

ALL
 MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.7	94.6	81.8	57.2	25.9	7.4	72.4	7432
FEB		100.0	100.0	99.9	98.3	93.4	80.5	56.6	24.8	6.3	71.6	6746
MAR		100.0	100.0	99.3	96.0	88.1	74.6	54.2	28.6	11.3	70.7	7401
APR		100.0	99.8	96.3	89.1	79.7	66.0	46.4	29.4	12.2	67.5	7196
MAY		100.0	99.7	95.1	85.2	72.9	58.9	42.8	28.1	12.7	65.2	7439
JUN		100.0	100.0	98.8	92.3	80.8	68.4	52.8	34.8	13.3	69.9	7174
JUL		100.0	100.0	99.5	95.3	85.0	70.9	55.5	35.0	13.3	71.3	7427
AUG		100.0	100.0	99.6	96.1	86.8	75.9	62.3	43.3	21.6	74.6	7348
SEP		100.0	100.0	99.6	97.4	91.8	83.6	73.2	56.7	27.4	78.8	7189
OCT		100.0	100.0	99.4	97.0	92.3	82.4	68.1	50.2	22.2	76.8	7422
NOV		100.0	99.9	99.6	98.5	95.3	86.9	69.6	44.9	17.4	76.7	7182
DEC		100.0	100.0	100.0	99.7	97.7	90.9	75.5	41.7	13.9	77.6	7437
TOTALS		100.0	100.0	98.9	95.4	88.2	76.7	59.5	37.0	14.9	72.8	87393

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

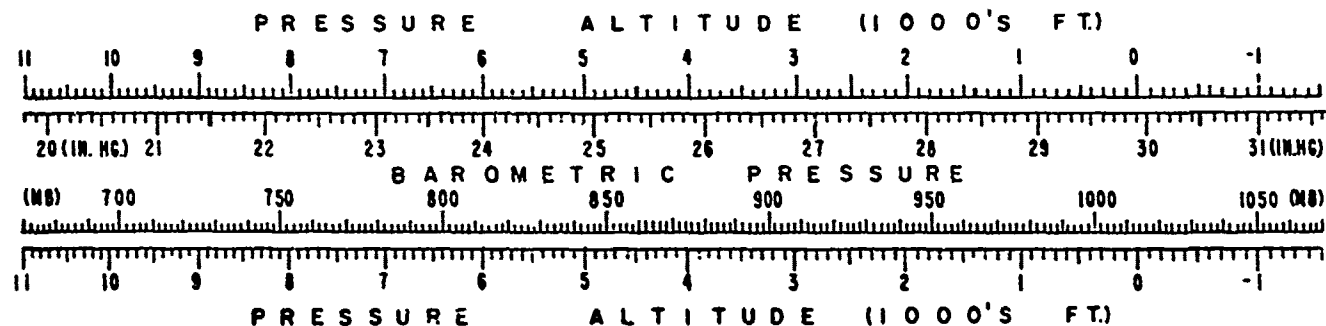
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/4AC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

94836 K I SAWYER AFB HI

68-78

STATION	STATION NAME	YEARS												
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	28.560	28.607	28.583	28.628	28.601	28.572	28.619	28.659	28.663	28.659	28.598	28.595	28.612
	S D	.268	.285	.238	.234	.185	.185	.149	.138	.179	.214	.243	.249	.220
	TOTAL OBS	310	282	310	299	310	300	310	310	300	310	300	309	3650
04	MEAN	28.566	28.603	28.579	28.618	28.594	28.564	28.612	28.653	28.658	28.654	28.592	28.602	28.608
	S D	.267	.288	.242	.238	.189	.189	.154	.143	.181	.217	.247	.249	.223
	TOTAL OBS	310	282	310	300	310	300	309	308	300	309	300	310	3648
07	MEAN	28.563	28.609	28.589	28.634	28.612	28.580	28.629	28.666	28.669	28.662	28.595	28.598	28.617
	S D	.267	.293	.253	.243	.196	.193	.156	.149	.181	.223	.254	.248	.227
	TOTAL OBS	308	282	309	300	310	300	310	310	300	310	300	310	3649
10	MEAN	28.583	28.624	28.596	28.640	28.615	28.584	28.633	28.671	28.678	28.671	28.608	28.615	28.626
	S D	.271	.294	.264	.247	.202	.194	.156	.151	.185	.231	.261	.249	.231
	TOTAL OBS	310	282	310	300	310	300	310	309	300	310	300	309	3650
13	MEAN	28.559	28.613	28.585	28.631	28.605	28.577	28.625	28.666	28.663	28.652	28.589	28.591	28.613
	S D	.275	.292	.262	.242	.197	.192	.152	.149	.183	.234	.262	.253	.230
	TOTAL OBS	310	282	310	300	310	300	309	309	300	310	300	309	3649
16	MEAN	28.552	28.591	28.564	28.615	28.590	28.566	28.616	28.644	28.644	28.636	28.579	28.585	28.599
	S D	.276	.286	.252	.231	.192	.187	.145	.143	.179	.230	.254	.251	.225
	TOTAL OBS	310	282	309	300	310	300	310	309	300	310	300	310	3650
19	MEAN	28.565	28.611	28.578	28.622	28.590	28.563	28.613	28.646	28.650	28.655	28.601	28.601	28.608
	S D	.276	.279	.241	.223	.183	.183	.140	.139	.177	.229	.243	.246	.219
	TOTAL OBS	310	281	310	300	310	300	310	309	299	310	297	310	3646
22	MEAN	28.563	28.615	28.589	28.637	28.606	28.577	28.625	28.660	28.663	28.663	28.602	28.599	28.617
	S D	.275	.277	.237	.224	.181	.181	.140	.135	.175	.216	.239	.246	.217
	TOTAL OBS	310	282	310	300	310	300	309	310	300	310	299	310	3650
ALL HOURS	MEAN	28.564	28.609	28.584	28.628	28.602	28.573	28.621	28.657	28.661	28.656	28.595	28.598	28.612
	S. D.	.272	.287	.249	.235	.191	.188	.149	.144	.180	.224	.250	.249	.224
	TOTAL OBS	2478	2255	2478	2399	2480	2400	2477	2474	2399	2479	2396	2477	29192

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

94836

K I SAWYER AFB MI

58-78

STATION	STATION NAME	YEARS												
HRS (LST)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
01	MEAN	1015.11	1016.61	1015.41	1016.11	1014.41	1012.91	1014.31	1015.71	1016.31	1016.71	1015.21	1015.9	1015.4
	S D	9.754	10.339	8.630	8.468	6.542	6.675	5.345	5.120	6.483	7.859	8.725	9.122	7.962
	TOTAL OBS	309	282	310	299	310	300	310	310	300	310	300	309	3649
04	MEAN	1015.31	1016.41	1015.01	1015.81	1014.21	1012.71	1014.11	1015.51	1016.11	1016.51	1015.11	1016.0	1015.2
	S D	9.747	10.523	8.807	8.600	6.758	6.779	5.541	5.260	6.583	7.960	8.938	9.053	8.081
	TOTAL OBS	310	282	310	300	310	300	309	308	300	309	300	310	3648
07	MEAN	1015.31	1016.71	1015.51	1016.41	1014.81	1013.31	1014.71	1016.01	1016.71	1016.91	1015.31	5.0	1015.6
	S D	9.788	10.641	9.221	8.821	6.986	6.876	5.600	5.422	6.645	8.174	9.215	9.064	8.226
	TOTAL OBS	308	282	309	300	310	300	310	310	300	309	300	310	3648
10	MEAN	1016.01	1017.21	1015.71	1016.51	1015.01	1013.41	1014.81	1016.21	1017.01	1017.11	1015.71	1016.5	1015.9
	S D	9.871	10.666	9.605	8.912	7.139	6.928	5.589	5.511	6.715	8.337	9.419	9.181	8.361
	TOTAL OBS	310	282	310	300	310	300	310	309	299	309	300	309	3648
13	MEAN	1015.21	1016.71	1015.31	1016.11	1014.61	1013.11	1014.51	1015.81	1016.41	1016.51	1014.91	1015.7	1015.4
	S D	9.924	10.587	9.501	8.726	6.973	6.845	5.432	5.435	6.643	8.518	9.422	9.206	8.305
	TOTAL OBS	310	282	310	299	310	300	309	309	300	310	300	309	3648
16	MEAN	1014.81	1016.01	1014.51	1015.71	1014.11	1012.81	1014.21	1015.21	1015.71	1015.91	1014.61	1015.5	1014.9
	S D	9.966	10.279	9.136	8.383	6.806	6.671	5.218	5.233	6.516	8.397	9.187	9.039	8.102
	TOTAL OBS	310	282	309	300	310	300	310	309	300	310	300	310	3650
19	MEAN	1015.41	1016.71	1015.11	1015.91	1014.11	1012.61	1014.11	1015.31	1016.01	1016.61	1015.41	1016.0	1015.3
	S D	9.995	10.079	8.771	8.103	6.508	6.549	5.033	5.034	6.445	8.137	8.815	8.958	7.935
	TOTAL OBS	310	281	310	300	310	299	310	309	299	308	297	309	3642
22	MEAN	1015.31	1016.91	1015.51	1016.41	1014.61	1013.11	1014.51	1015.81	1016.51	1016.91	1015.51	1016.0	1015.6
	S D	10.003	10.084	8.620	8.116	6.441	6.498	4.996	4.961	6.362	8.043	8.677	8.979	7.877
	TOTAL OBS	310	282	310	299	310	300	309	310	300	309	299	309	3647
ALL HOURS	MEAN	1015.31	1016.71	1015.21	1016.11	1014.51	1013.01	1014.41	1015.71	1016.31	1016.61	1015.21	1016.0	1015.4
	S D	9.873	10.392	9.037	8.513	6.771	6.724	5.347	5.252	6.550	8.177	9.047	9.067	8.112
	TOTAL OBS	2477	2255	2478	2397	2480	2399	2477	2474	2398	2474	2396	2475	29180