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USAFETAC/DS-89/200

SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR

K. I. SAWYER AFB MI

PREPARED BY

OL-A, USAFETAC
ASHEVILLE, NORTH CAROLINA
28801-2723

MARCH 1989

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ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

SCOTT AIR FORCE AFB, ILLINOIS, 62225-5438

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REVIEW AND APPROVAL STATEMENT

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CHIEF, CLIMATIC APPLICATIONS, DL-A

FOR THE COMMANDER

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SCIENTIFIC AND TECHNICAL INFORMATION
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E, VISIBILITY, WIND, SOCS, *K. I. SAWYER AFB MICHIGAN.

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L DATA IN THE OL-A CLIMATIC DATABASE.

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CURITY CLASSIFICATION: UNCLASSIFIED

PONSIBLE INDIVIDUAL: WILLIAM R. BOBB

704 259-0402 AUTOVON 697-8358 22C. OFFICE SYMBOL: OL-A/CA, USAFETAC

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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARY (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARY" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: AUG 78 - JUL 88 (AIRWAYS).

SUMMARY OF DAY DATA: OCT 56 - DEC 57, APR 58 - OCT 58, OCT 59 - JUL 88 (FULL TIME).

HOURS SUMMARIZED: 0000 LST THROUGH 2300 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44 -73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

ABBREVIATIONS USED:

AMT	AMOUNT
ANN	ANNUAL
BARO	BAROMETER
C	CENTIGRADE (CELSIUS)
DEG	DEGREE
DB	DRY BULB TEMPERATURE
DP	DEW POINT TEMPERATURE
EQ	EQUAL
F	FAHRENHEIT
FRZG	FREEZING
FT	FEET
GE	GREATER THAN OR EQUAL TO
GMT	GREENWICH MEAN TIME
GT	GREATER THAN
HG	INCHES OF MERCURY
HT	HEIGHT
KTS	KNOTS
LE	LESS THAN OR EQUAL TO
LST	LOCAL STANDARD TIME
LT	LESS THAN
M	METER
MB	MILLIBAR
MPS	METERS PER SECOND
MSL	MEAN SEA LEVEL
MEAS	MEASURABLE
NO.	NUMBER
OBS	OBSERVATION
OBST	OBSTRUCTION
POF	PERCENT OCCURRENCE FREQUENCY
PRECIP	PRECIPITATION
SD	STANDARD DEVIATION
SOD	SUMMARY OF DAY
TEMP	TEMPERATURE
TSTM	THUNDERSTORM
VSBY	VISIBILITY
VSN	VISION
WB	WET BULB TEMPERATURE
WBAN	AWS FORM 10/10A
UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

* UTC REPLACED GMT ON 1 AUGUST 1988

STATION NO.	STATION NAME	LATITUDE	LONGITUDE	FLD ELEV (FT)	CA
ON SUMMARY					
727435	K I SAWYER AFB, MI	N 46 21	W 087 24	1220	KS

STATION LOCATION AND INSTRUMENTATION HISTORY

NMBR OF LOC	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION FROM	AT THIS LOCATION TO	LATITUDE	LONGITUDE	ELEV FLD (
1	K I SAWYER AIRPORT, MI	FAA	OCT 56	DEC 56	N 46 21	W 087 24	1195
2	K I SAWYER AFB, MI	AFB	JAN 57	OCT 58	SAME	SAME	1204
3	SAME	SAME	SEP 59	OCT 59	SAME	SAME	1230
4	SAME	SAME	NOV 59	DEC 73	SAME	SAME	SAME
5	SAME	SAME	JAN 74	OCT 82	SAME	SAME	SAME
6	SAME	SAME	NOV 82	JAN 88	SAME	SAME	1220

NMBR OF LOC	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, MENT, OF
1	OCT 56	ATOP CONTROL TOWER	AN/GMQ-1	ML-204A	83 FT	
2	JAN 57	4000'NW TWR,725'E OF TAXIWAY	AN/GMQ-11	RD-2	13 FT	
3	SEP 61	ON RNWY COMPLEX	SAME	SAME	15 FT	
4	MAR 64	1.1900'FM S END RWY	SAME	SAME	13 FT	
		2.1000'FM N END OF RNWY	SAME		13 FT	
5	JAN 70	1.600'E CTRLN,1200' FM S END OF RWY 19	AN/GMQ-20	RD-362	SAME	
		2.675'E OF CTRLN,2075'N OF END OF RWY 01	SAME		SAME	
6	JAN 88	1.SAME	SAME	SAME	SAME	
		2.SAME	SAME		SAME	

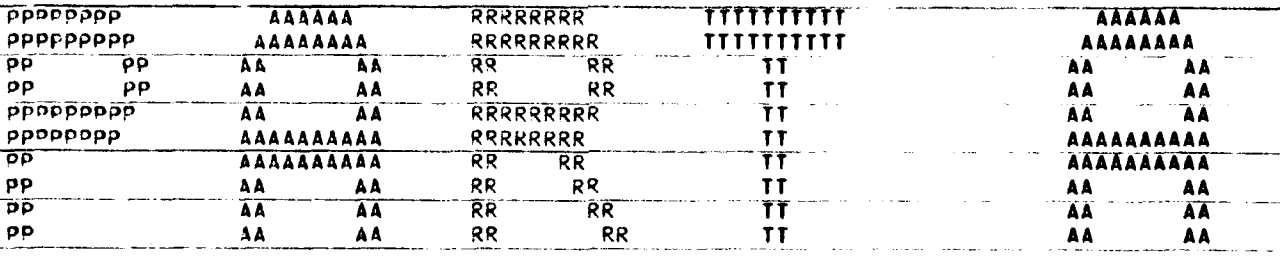
NAME	LATITUDE	LONGITUDE	FLD ELEV (FT)	CALL SIGN	WMO NMBR
	N 46 21	W 087 24	1220	KSAW	

STATION LOCATION AND INSTRUMENTATION HISTORY

TYPE OF STATION	AT THIS LOCATION FROM	TO	LATITUDE	LONGITUDE	ELEV ABOVE MSL FLD (FT)	BARO (FT)	OBS PER DAY
FAA	OCT 56	DEC 56	N 46 21	W 087 24	1195	1190	12
AFB	JAN 57	OCT 58	SAME	SAME	1204	SAME	24
SAME	SEP 59	OCT 59	SAME	SAME	1230	SAME	24
SAME	NOV 59	DEC 73	SAME	SAME	SAME	1240	24
SAME	JAN 74	OCT 82	SAME	SAME	SAME	1190	24
SAME	NOV 82	JAN 88	SAME	SAME	1220	SAME	24

EQUIPMENT INFORMATION

	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
	AN/GMQ-1	ML-204A	83 FT	
TAXIWAY	AN/GMQ-11	RD-2	13 FT	
	SAME	SAME	15 FT	
Y	SAME	SAME	13 FT	
RNWY	SAME		13 FT	
FM S END OF	AN/GMQ-20	RD-362	SAME	
75 FT OF END	SAME		SAME	
	SAME	SAME	SAME	
	SAME		SAME	


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PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

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

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).
THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.
THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.
THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL
LST TO UTC: + 5 MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OBS
00-02		.6	1.9	44.8		47.4	9.0	.1	8.9		65.5	930
03-05		1.1	1.6	44.9		47.6	10.8		9.7		68.1	930
06-08		1.3	1.5	44.7		47.5	10.6		9.7		67.8	930
09-11		1.5	1.7	43.7		46.9	13.9	.4	9.8		71.0	930
12-14		1.2	1.1	41.8		44.1	10.9	.6	11.3		66.9	930
15-17		.9	1.6	42.3		44.7	7.6	.8	11.2		64.3	930
18-20		.6	1.4	40.2		42.3	8.2	.9	9.0		60.3	930
21-23		1.2	1.5	41.9		44.6	7.7	.3	8.8		61.5	930
ALL HOURS		1.0	1.5	43.1		45.6	9.8	.4	9.8		65.7	7440

MONTH: FEB

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OBS
00-02		1.1	2.6	32.9		36.5	15.3	.5	5.9		58.2	849
03-05	.1	1.3	1.8	33.5		36.5	14.4	.2	6.8		58.0	849
06-08	.4	1.4	2.0	32.9		36.3	16.0	1.2	7.1		60.5	849
09-11	.1	1.5	1.5	33.2		36.3	16.3	3.1	9.1		64.7	849
12-14		1.6	.1	33.2		35.0	11.9	2.6	9.2		58.7	849
15-17		2.4	.2	32.4		35.0	10.7	2.4	6.8		54.9	849
18-20		2.0	1.1	28.4		31.4	12.4	2.0	3.9		49.7	849
21-23		2.1	1.4	28.9		32.4	13.8	.7	5.2		52.1	849
ALL HOURS	.1	1.7	1.3	31.9		34.9	13.8	1.6	6.7		57.1	6792

RCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

ME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
: + 5 MONTH: JAN

ZEN CIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
		47.4	9.0	.1	8.9		65.5	930
		47.6	10.8		9.7		68.1	930
		47.5	10.6		9.7		67.8	930
		46.9	13.9	.4	9.8		71.0	930
		44.1	10.9	.6	11.3		66.9	930
		44.7	7.6	.8	11.2		64.3	930
		42.3	8.2	.9	9.0		60.3	930
		44.6	7.7	.3	8.8		61.5	930
		45.6	9.8	.4	9.8		65.7	7440

MONTH: FEB

		36.5	15.3	.5	5.9		58.2	849
		36.5	14.4	.2	6.8		58.0	849
		36.3	16.0	1.2	7.1		60.5	849
		36.3	16.3	3.1	9.1		64.7	849
		35.0	11.9	2.6	9.2		58.7	849
		35.0	10.7	2.4	6.8		54.9	849
		31.4	12.4	2.0	3.9		49.7	849
		32.4	13.8	.7	5.2		52.1	849
		34.9	13.8	1.6	6.7		57.1	6792

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TO NO
00-02		3.4	2.7	26.0		32.2	15.7	.5	6.2		54.6	
03-05	.1	4.7	2.5	27.1		34.3	15.9	.6	7.0		57.8	
06-08		4.8	2.5	28.1		35.4	18.0	.9	8.2		62.4	
09-11		4.3	1.1	28.7		34.1	17.6	1.1	9.8		62.6	
12-14		4.5	.5	27.1		32.2	13.7	1.9	9.2		57.0	
15-17	.1	4.1	.5	23.2		27.8	12.6	2.2	8.9		51.5	
18-20	.2	4.3	1.6	22.8		28.7	14.4	1.3	6.1		50.5	
21-23	.2	4.4	1.3	23.7		29.4	15.1	.4	5.3		50.1	
ALL HOURS	.1	4.3	1.6	25.8		31.7	15.4	1.1	7.6		55.8	7

MONTH: APR

00-02	.9	9.6	.3	10.0		19.9	10.6	.1	2.0		32.6	
03-05	.6	9.6	.6	10.9		21.0	13.6	.2	2.0		36.8	
06-08	.6	10.4	.3	13.0		23.8	20.1	1.0	2.4		47.3	
09-11	.4	8.7	.2	13.9		22.8	15.1	1.4	2.7		42.0	
12-14	.3	7.1		11.8		18.9	10.9	1.1	1.9		32.8	
15-17	.2	7.9		9.7		17.6	9.8	1.0	1.6	.2	30.1	
18-20	.4	8.9		8.0		16.9	9.2	1.0	1.2	.1	28.4	
21-23	.6	8.8	.2	9.6		18.6	10.7	.3	1.3		30.9	
ALL HOURS	.5	8.9	.2	10.8		19.9	12.5	.8	1.9	.0	35.1	72

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
TIME ZONE: UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: MAR

FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
26.0		32.2	15.7	.5	6.2		54.6	930
27.1		34.3	15.9	.6	7.0		57.8	930
28.1		35.4	18.0	.9	8.2		62.4	930
28.7		34.1	17.6	1.1	9.8		62.6	930
27.1		32.2	13.7	1.9	9.2		57.0	930
23.2		27.8	12.6	2.2	8.9		51.5	930
22.8		28.7	14.4	1.3	6.1		50.5	930
23.7		29.4	15.1	.4	5.3		50.1	930
25.8		31.7	15.4	1.1	7.6		55.8	7440

MONTH: APR

FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
10.0		19.9	10.6	.1	2.0		32.6	900
10.9		21.0	13.6	.2	2.0		36.8	900
13.0		23.8	20.1	1.0	2.4		47.3	900
13.9		22.8	15.1	1.4	2.7		42.0	900
11.8		18.9	10.9	1.1	1.9		32.8	900
9.7		17.6	9.8	1.0	1.6	.2	30.1	900
8.0		16.9	9.2	1.0	1.2	.1	28.4	900
9.6		18.6	10.7	.3	1.3		30.9	900
10.8		19.9	12.5	.8	1.9	.0	35.1	7200

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 — MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	T N
00-02	.9	9.7		.3		10.0	15.8	1.1			26.9	
03-05	1.1	11.2		.5		11.7	17.4	1.1			30.2	
06-08	.4	12.0		.6		12.7	18.4	.9			31.9	
09-11		12.5		.9		13.3	14.4	3.2			31.0	
12-14	.3	11.4		.9		12.3	10.1	4.0			26.3	
15-17	.4	8.9		1.1		9.9	8.8	3.2			21.9	
18-20	1.2	10.2		.6		10.9	8.7	3.9			23.4	
21-23	.9	9.6		.4		10.0	11.8	2.4			24.2	
ALL HOURS	.6	10.7		.7		11.3	13.2	2.5			27.0	

MONTH: JUN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	T N
00-02	2.3	11.3				11.3	10.8	1.3			23.4	
03-05	1.4	10.3				10.3	11.3	1.7			23.3	
06-08	1.1	8.1				8.1	13.9	3.8			25.8	
09-11	.3	6.9				6.9	7.1	4.2			18.2	
12-14	1.4	8.8				8.8	5.1	3.2			17.1	
15-17	2.3	9.0				9.0	4.2	2.9			16.1	
18-20	2.7	8.4				8.4	4.2	3.4			16.1	
21-23	1.9	11.0				11.0	7.9	2.7			21.6	
ALL HOURS	1.7	9.2				9.2	8.1	2.9			20.2	

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI
UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: MAY

FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
.3		10.0	15.8	1.1			26.9	930
.5		11.7	17.4	1.1			30.2	930
.6		12.7	13.4	.9			31.9	930
.9		13.3	14.4	3.2			31.0	930
.9		12.3	10.1	4.0			26.3	930
1.1		9.9	8.8	3.2			21.9	930
.6		10.9	8.7	3.9			23.4	930
.4		10.0	11.8	2.4			24.2	930
.7		11.3	13.2	2.5			27.0	7440

MONTH: JUN

		11.3	10.8	1.3			23.4	900
		10.3	11.3	1.7			23.3	900
		8.1	13.9	3.8			25.8	900
		6.9	7.1	4.2			18.2	900
		8.8	5.1	3.2			17.1	900
		9.0	4.2	2.9			16.1	900
		8.4	4.2	3.4			16.1	900
		11.0	7.9	2.7			21.6	900
		9.2	8.1	2.9			20.2	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TO NO.
00-02	1.3	6.9				6.9	12.7	3.0			22.6	
03-05	.6	4.9				4.9	19.0	2.6			26.6	
06-08	1.1	5.4				5.4	22.7	5.6			33.7	
09-11	.9	7.3				7.3	9.6	7.5			24.4	
12-14	2.0	6.7				6.7	5.1	7.3			19.0	
15-17	3.5	7.5				7.5	3.4	6.8			17.7	
18-20	2.8	7.9				7.9	5.7	7.0			20.6	
21-23	2.7	7.0				7.0	8.8	4.2			20.1	
ALL HOURS	1.9	6.7				6.7	10.9	5.5			23.1	7

MONTH: AUG

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	
00-02	2.3	10.9				10.9	22.8	1.7			35.4	
03-05	1.2	9.2				9.2	29.7	1.8			40.8	
06-08	1.4	11.5				11.5	33.4	1.9			46.9	
09-11	1.1	11.2				11.2	18.1	5.6			34.8	
12-14	.4	8.7		.1		8.8	8.9	5.1		.1	22.9	
15-17	2.3	9.6				9.6	7.7	6.5			23.8	
18-20	2.6	9.4				9.4	10.3	8.0			27.6	
21-23	2.7	11.9				11.9	16.0	4.5			32.5	
ALL HOURS	1.7	10.3		.0		10.3	18.4	4.4		.0	33.1	7

ERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

ME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
: + 5 MONTH: JUL

OF ZEN CIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
		6.9	12.7	3.0			22.6	930
		4.9	19.0	2.6			26.6	930
		5.4	22.7	5.6			33.7	930
		7.3	9.6	7.5			24.4	930
		6.7	5.1	7.3			19.0	930
		7.5	3.4	6.8			17.7	930
		7.9	5.7	7.0			20.6	928
		7.0	8.8	4.2			20.1	927
		6.7	10.9	5.5			23.1	7435

MONTH: AUG

		10.9	22.8	1.7			35.4	930
		9.2	29.7	1.8			40.8	930
		11.5	33.4	1.9			46.9	930
		11.2	18.1	5.6			34.8	930
1		8.8	8.9	5.1		.1	22.9	930
		9.6	7.7	6.5			23.8	930
		9.4	10.3	8.0			27.6	930
		11.9	16.0	4.5			32.5	930
0		10.3	18.4	4.4		.0	33.1	7440

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHEN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN
00-02	1.2	16.9				16.9	24.9	3.3			45.1
03-05	.8	17.4				17.4	28.6	2.3			48.3
06-08	1.3	17.9		.1		18.0	30.2	2.4			50.7
09-11	1.1	17.8		.1		17.9	23.0	4.9			45.9
12-14	1.4	16.0				16.0	14.4	6.7			37.1
15-17	.7	15.7		.1		15.8	13.3	5.3			34.4
18-20	2.1	14.6				14.6	17.0	5.9			37.4
21-23	1.9	16.1				16.1	21.1	4.7			41.9
ALL HOURS	1.3	16.5		.0		16.6	21.6	4.4			42.6

MONTH: OCT

00-02	.2	15.2	.1	5.1		20.3	18.5	1.1	.2		40.1
03-05	.4	14.1		6.9		21.0	21.5		.2		42.7
06-08		12.7		5.6		18.3	26.2	.3			44.8
09-11		13.5		5.5		19.0	22.6	1.5			43.1
12-14	.5	14.6		5.3		19.9	13.3	1.0			34.2
15-17	.3	14.2		5.4		19.6	12.7	3.1	.1		35.5
18-20	.2	17.4		4.7		22.2	13.7	2.4	.6		38.8
21-23	.5	16.5		4.9		21.4	14.8	1.1	.3		37.6
ALL HOURS	.3	14.8	.0	5.4		20.2	17.9	1.3	.2		39.6

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: SEP

FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
		16.9	24.9	3.3			45.1	900
		17.4	28.6	2.3			48.3	900
.1		18.0	30.2	2.4			50.7	900
.1		17.9	23.0	4.9			45.8	900
		16.0	14.4	6.7			37.1	900
.1		15.9	13.3	5.3			34.4	900
		14.6	17.0	5.9			37.4	900
		16.1	21.1	4.7			41.9	900
.3		16.6	21.6	4.4			42.6	7200

MONTH: OCT

.1		20.3	18.5	1.1	.2		40.1	930
.4		21.0	21.5		.2		42.7	930
.4		18.3	26.2	.3			44.8	930
.5		19.0	22.6	1.5			43.1	930
.3		19.9	13.3	1.0			34.2	930
.4		19.6	12.7	3.1	.1		35.5	930
.7		22.2	13.7	2.4	.6		38.8	930
.4		21.4	14.8	1.1	.3		37.6	930
.4		20.2	17.9	1.3	.2		39.6	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOME
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN
00-02		8.6	.3	21.6		30.4	16.4	.3	.3		47.6
03-05		7.2	.7	22.1		30.0	17.3	.3	.6		48.2
06-08		9.0	.8	24.0		33.8	20.3	.5	1.3		56.0
09-11		7.9	.9	24.6		33.3	20.9	2.2	2.1		58.6
12-14	.1	9.9	.2	24.8		34.9	17.1	1.8	2.3		56.1
15-17		10.6	.1	23.6		34.2	13.4	2.3	1.4		51.4
18-20		9.7	.3	22.1		32.1	15.3	1.9	.9		50.2
21-23	.1	9.4	.2	21.7		31.3	15.6	.8	.2		47.9
ALL HOURS	.0	9.0	.4	23.0		32.5	17.1	1.3	1.2		52.0

MONTH: DEC

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN
00-02		3.5	1.7	38.9		44.2	14.2	.6	6.7		65.7
03-05		3.9	1.3	39.0		44.2	13.9	.3	5.6		64.0
06-08		3.9	2.0	37.1		43.0	14.6	.3	6.3		64.3
09-11		3.8	1.6	36.2		41.6	17.1	.6	6.8		66.1
12-14		4.0	.8	36.2		41.0	14.9	.9	8.0		64.7
15-17		3.2	.6	34.2		38.1	13.1	1.6	5.4		58.2
18-20		2.9	1.1	35.1		39.0	14.0	.5	4.8		58.4
21-23		3.1	1.6	38.4		43.1	14.5	.9	4.7		63.2
ALL HOURS		3.5	1.3	36.9		41.8	14.5	.7	6.0		63.1

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: NOV

FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
1.6		30.4	16.4	.3	.3		47.6	900
2.1		30.0	17.3	.3	.6		48.2	900
4.0		33.3	20.3	.6	1.3		56.0	900
4.6		33.3	20.9	2.2	2.1		58.6	900
4.8		34.9	17.1	1.8	2.3		56.1	900
3.6		34.2	13.4	2.3	1.4		51.4	900
2.1		32.1	15.3	1.9	.9		50.2	900
1.7		31.3	15.6	.8	.2		47.9	900
3.0		32.5	17.1	1.3	1.2		52.0	7200

MONTH: DEC

1.9		44.2	14.2	.6	6.7		65.7	930
2.0		44.2	13.9	.3	5.6		64.0	930
2.1		43.0	14.6	.3	6.3		64.3	930
2.2		41.6	17.1	.6	6.8		66.1	930
3.2		41.0	14.9	.9	8.0		64.7	930
4.2		38.1	13.1	1.6	5.4		58.2	930
3.1		39.0	14.0	.5	4.8		58.4	930
2.4		43.1	14.5	.9	4.7		63.2	930
3.9		41.8	14.5	.7	6.0		63.1	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TO N
JAN		1.0	1.5	43.1		45.6	9.8	.4	9.8		65.7	
FEB	.1	1.7	1.3	31.9		34.9	13.8	1.6	6.7		57.1	
MAR	.1	4.3	1.6	25.8		31.7	15.4	1.1	7.6		55.8	
APR	.5	8.9	.2	10.8		19.9	12.5	.8	1.9	.0	35.1	
MAY	.6	10.7		.7		11.3	13.2	2.5			27.0	
JUN	1.7	9.2				9.2	8.1	2.9			20.2	
JUL	1.9	6.7				6.7	10.9	5.5			23.1	
AUG	1.7	10.3		.0		10.3	18.4	4.4		.0	33.1	
SEP	1.3	16.5		.0		16.6	21.6	4.4			42.6	
OCT	.3	14.8	.0	5.4		20.2	17.9	1.3	.2		39.6	
NOV	.0	9.0	.4	23.0		32.5	17.1	1.3	1.2		52.0	
DEC		3.5	1.3	36.9		41.8	14.5	.7	6.0		63.1	
ANNUAL	.7	8.1	.5	14.8		23.4	14.4	2.2	2.8	.0	42.8	8

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

TION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — HOURS: ALL

EZ IP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
	43.1		45.6	9.8	.4	9.8		65.7	7440
	31.9		34.9	13.8	1.6	6.7		57.1	6792
	25.8		31.7	15.4	1.1	7.6		55.8	7440
	10.8		19.9	12.5	.8	1.9	.0	35.1	7200
	.7		11.3	13.2	2.5			27.0	7440
			9.2	8.1	2.9			20.2	7200
			6.7	10.9	5.5			23.1	7435
	.0		10.3	18.4	4.4		.0	33.1	7440
	.0		16.6	21.6	4.4			42.6	7200
	5.4		20.2	17.9	1.3	.2		39.6	7440
	23.0		32.5	17.1	1.3	1.2		52.0	7200
	36.9		41.8	14.5	.7	6.0		63.1	7440
	14.8		23.4	14.4	2.2	2.8	.0	42.8	87667

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: 57
LST TO UTC: +05 MONTH: ALL HOURS:

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND
JAN	.1	12.9	10.0	79.2		81.2	32.2	8.0	28.5	
FEB	.2	12.4	9.1	74.5		76.6	32.1	11.8	23.0	
MAR	1.8	22.4	9.7	57.8	.1	67.4	37.7	10.9	17.4	
APR	4.9	38.7	4.0	31.5	.4	56.1	37.6	7.7	6.1	
MAY	11.0	48.6	.7	7.9	.8	51.3	37.0	11.0	.5	
JUN	19.9	54.6		.3	.9	54.6	41.0	15.8		
JUL	22.2	47.5		.1	1.3	47.5	41.5	19.9		
AUG	18.5	53.8		.2	.4	53.8	48.7	21.7		
SEP	13.0	61.4		2.8	1.0	61.9	55.9	18.4		
OCT	4.7	53.4	.1	23.2	.3	62.5	49.0	16.1	1.5	
NOV	1.2	33.3	4.8	57.8	.3	72.4	42.8	9.3	8.6	
DEC	.3	19.1	12.2	77.6		82.5	36.8	7.5	20.0	
ANNUAL	8.3	38.5	4.1	33.8	.5	63.7	41.1	13.2	8.6	

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM SUMMARY OF DAY DATA

TION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: 5701-5712,5804-5810,5910-8807
TO UTC: +05 — MONTH: ALL HOURS: ALL

REEZ ECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
10.0	79.2		81.2	32.2	8.0	28.5		86.9	910
9.1	74.5		76.6	32.1	11.8	23.0		80.8	847
9.7	57.8	.1	67.4	37.7	10.9	17.4		73.7	930
4.0	31.5	.4	56.1	37.6	7.7	6.1		60.4	915
.7	7.9	.8	51.3	37.0	11.0	.5		57.5	961
	.3	.9	54.6	41.0	15.8			63.2	930
	.1	1.3	47.5	41.5	19.9			61.4	960
	.2	.4	53.8	48.7	21.7			68.3	930
	2.8	1.0	61.9	55.9	18.4			75.1	900
.1	23.2	.3	62.5	49.0	16.1	1.5		76.5	937
4.8	57.8	.3	72.4	42.8	9.3	8.6		80.7	900
12.2	77.6		82.5	36.8	7.5	20.0		87.8	911
4.1	33.8	.5	63.7	41.1	13.2	8.6		72.5	11031

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
00-02				.9	.9	2.3	1.3	2.3	1.2	.2	
03-05		.1	.1	.6	1.1	1.4	.6	1.2	.8	.4	
06-08		.4		.6	.4	1.1	1.1	1.4	1.3		
09-11		.1		.4		.3	.9	1.1	1.1		
12-14				.3	.3	1.4	2.0	.4	1.4	.5	.1
15-17			.1	.2	.4	2.3	3.5	2.3	.7	.3	
18-20			.2	.4	1.2	2.7	2.8	2.6	2.1	.2	
21-23			.2	.6	.9	1.9	2.7	2.7	1.9	.5	.1
ALL HOURS		.1	.1	.5	.6	1.7	1.9	1.7	1.3	.3	.0
TOTAL OBS	7440	6792	7440	7200	7440	7200	7435	7440	7200	7440	7200

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
+ 5

R	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
9	.9	2.3	1.3	2.3	1.2	.2		
6	1.1	1.4	.6	1.2	.8	.4		
5	.4	1.1	1.1	1.4	1.3			
4		.3	.9	1.1	1.1			
3	.3	1.4	2.0	.4	1.4	.5	.1	
2	.4	2.3	3.5	2.3	.7	.3		
4	1.2	2.7	2.8	2.6	2.1	.2		
5	.9	1.9	2.7	2.7	1.9	.5	.1	
6	.6	1.7	1.9	1.7	1.3	.3	.0	
0	7440	7200	7435	7440	7200	7440	7200	7440

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
USAFETAC, ASHEVILLE NC VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	350 - 059	060 - 149	150 - 209	210 - 269	270 - 349	N
TSTMS								
LIQUID PRECIP	10.0		26.3	6.3	52.5	5.0		
FREEZING PRECIP	1.7		53.8	6.8	24.8	6.0	6.8	
FROZEN PRECIP	7.8		29.6	4.4	10.3	8.7	39.1	
FOG	10.5		22.9	5.5	40.1	11.7	9.2	
FOG WITH VIS GE 1/2 MILES	10.3		22.0	5.7	40.9	11.6	9.5	
TOTAL OBS	897	0	1225	250	1239	1328	2501	

MONTH: FEB HOURS: ALL

TSTMS				40.0	40.0		20.0	
LIQUID PRECIP	8.8		17.5	16.7	36.8	14.9	5.3	
FREEZING PRECIP	5.5		38.5	12.1	34.1	5.5	4.4	
FROZEN PRECIP	8.8		36.0	6.2	13.9	7.1	28.0	
FOG	11.6		22.6	10.6	36.2	13.2	5.7	
FOG WITH VIS GE 1/2 MILES	11.6		20.9	10.9	36.5	14.0	6.1	
TOTAL OBS	997	0	1545	395	1403	951	1511	

CENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

N NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: JAN HOURS: ALL

350 - 059	060 - 149	150 - 209	210 - 269	270 - 349	NO OF OBS
26.3	6.3	52.5	5.0		80
53.8	6.8	24.8	6.0	6.8	117
29.6	4.4	10.3	8.7	39.1	3229
22.9	5.5	40.1	11.7	9.2	715
22.0	5.7	40.9	11.6	9.5	672
1225	250	1239	1328	2501	7440

MONTH: FEB HOURS: ALL

	40.0	40.0		20.0	5
17.5	16.7	36.8	14.9	5.3	114
38.5	12.1	34.1	5.5	4.4	91
36.0	6.2	13.9	7.1	28.0	2174
22.6	10.6	36.2	13.2	5.7	930
20.9	10.9	36.5	14.0	6.1	852
1545	395	1403	951	1511	6792

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
USAFETAC, ASHEVILLE NC — VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 — MONTH: MAR — HOURS: ALL

PHENOMENA	CALM	VARIABLE	350 - 059	060 - 149	150 - 209	210 - 269	270 - 349
TSTMS			16.7		83.3		
LIQUID PRECIP	1.9		23.3	11.4	49.2	11.0	3.2
FREEZING PRECIP	3.4		57.6	21.2	14.4	.8	2.5
FROZEN PRECIP	2.8		58.3	5.1	11.1	2.2	20.5
FOG	4.7		35.8	11.2	37.0	6.6	4.6
FOG WITH VIS GE 1/2 MILES	4.3		37.2	10.5	35.6	7.2	5.2
TOTAL OBS	790	0	2462	579	1645	674	1290

MONTH: APR — HOURS: ALL

TSTMS	2.8		16.7	27.8	33.3	5.6	13.9
LIQUID PRECIP	4.5		38.1	16.6	26.2	3.8	10.7
FREEZING PRECIP			96.7		13.3		
FROZEN PRECIP	.5		60.7	5.3	4.1	2.7	26.7
FOG	6.8		42.3	10.1	27.2	6.1	7.5
FOG WITH VIS GE 1/2 MILES	4.9		43.2	12.1	25.6	5.6	8.6
TOTAL OBS	748	0	2853	633	1346	560	1060

CENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI
UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: MAR HOURS: ALL

350 - 059	060 - 149	150 - 209	210 - 269	270 - 349	NO OF OBS
16.7		83.3			6
23.3	11.4	49.2	11.0	3.2	317
57.6	21.2	14.4	.8	2.5	118
58.3	5.1	11.1	2.2	20.5	1953
35.8	11.2	37.0	6.6	4.6	1119
37.2	10.5	35.6	7.2	5.2	975
2462	579	1645	674	1290	7440

MONTH: APR HOURS: ALL

16.7	27.8	33.3	5.6	13.9	36
38.1	16.6	26.2	3.8	10.7	625
86.7		13.3			15
60.7	5.3	4.1	2.7	26.7	786
42.3	10.1	27.2	6.1	7.5	897
43.2	12.1	25.6	5.6	8.6	730
2853	633	1346	560	1060	7200

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
USAFETAC, ASHEVILLE NC VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	350 - 059	060 - 149	150 - 209	210 - 269	270 - 349
TSTMS			14.6	8.3	56.3	8.3	12.5
LIQUID PRECIP	4.5		40.1	13.7	25.2	6.7	9.8
FREEZING PRECIP							
FROZEN PRECIP			19.6	15.7	9.8	5.9	49.0
FOG	6.7		37.0	10.4	32.1	8.7	5.1
FOG WITH VIS GE 1/2 MILES	6.5		35.3	11.0	33.4	8.2	5.5
TOTAL OBS	1024	0	2647	533	1764	707	765

MONTH: JUN HOURS: ALL

PHENOMENA	CALM	VARIABLE	350 - 059	060 - 149	150 - 209	210 - 269	270 - 349
TSTMS	4.9		16.4	10.7	32.8	25.4	9.8
LIQUID PRECIP	4.0		32.5	5.9	30.9	10.5	16.2
FREEZING PRECIP							
FROZEN PRECIP							
FOG	10.1		31.6	5.1	34.6	10.8	7.9
FOG WITH VIS GE 1/2 MILES	10.3		28.9	5.4	35.3	11.8	8.3
TOTAL OBS	837	0	2014	433	1739	1016	1161

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
ST TO UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: MAY HOURS: ALL

TABLE	350 - 059	060 - 149	150 - 209	210 - 269	270 - 349	NO OF OBS
	14.6	8.3	56.3	8.3	12.5	48
	40.1	13.7	25.2	6.7	9.8	786
	19.6	15.7	9.8	5.9	49.0	51
	37.0	10.4	32.1	8.7	5.1	974
	35.3	11.0	33.4	8.2	5.5	901
0	2647	533	1764	707	765	7440

MONTH: JUN HOURS: ALL

	16.4	10.7	32.8	25.4	9.8	122
	32.5	5.9	30.9	10.5	16.2	579
	31.6	5.1	34.6	10.8	7.9	573
	29.9	5.4	35.3	11.8	8.3	516
0	2014	433	1739	1016	1161	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	350 - 059	060 - 149	150 - 209	210 - 269	270 - 349
TSTMS	2.9		22.3	12.2	29.8	22.3	11.5
LIQUID PRECIP	2.9		28.5	14.4	23.2	17.3	13.7
FREEZING PRECIP							
FROZEN PRECIP							
FOG	14.6		22.2	9.2	24.5	19.9	9.6
FOG WITH VIS GE 1/2 MILES	14.0		21.7	10.1	24.5	20.0	9.7
TOTAL OBS	1210	0	1897	500	1458	1448	922

MONTH: AUG HOURS: ALL

PHENOMENA	CALM	VARIABLE	350 - 059	060 - 149	150 - 209	210 - 269	270 - 349
TSTMS	5.4		10.1	15.5	38.0	19.4	11.6
LIQUID PRECIP	5.0		24.5	10.7	34.9	12.8	12.2
FREEZING PRECIP							
FROZEN PRECIP			100.0				
FOG	12.3		22.2	7.9	33.1	19.1	5.5
FOG WITH VIS GE 1/2 MILES	10.9		20.5	7.6	35.5	19.7	5.8
TOTAL OBS	1041	0	1685	498	1607	1444	1165

TAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
RSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

ME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
: + 5 MONTH: JUL HOURS: ALL

350 - 059	060 - 149	150 - 209	210 - 269	270 - 349	NO OF OBS
22.3	12.2	28.8	22.3	11.5	139
28.5	14.4	23.2	17.3	13.7	410
22.2	9.2	24.5	19.9	9.6	803
21.7	10.1	24.5	20.0	9.7	734
1897	500	1458	1448	922	7435

MONTH: AUG HOURS: ALL

10.1	15.5	38.0	19.4	11.6	129
24.5	10.7	34.9	12.8	12.2	682
100.0					1
22.2	7.9	33.1	19.1	5.5	1363
20.5	7.6	35.5	19.7	5.8	1214
1685	498	1607	1444	1165	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	350 - 059	060 - 149	150 - 209	210 - 269	270 - 349
TSTMS	6.3		25.3	20.0	22.1	22.1	4.2
LIQUID PRECIP	4.3		41.5	14.8	22.4	8.3	8.7
FREEZING PRECIP							
FROZEN PRECIP	33.3						66.7
FOG	9.3		29.9	9.1	34.9	14.2	2.7
FOG WITH VIS GE 1/2 MILES	8.9		29.1	10.1	35.3	13.8	2.8
TOTAL OBS	395	0	1686	523	1575	1375	1146

MONTH: OCT HOURS: ALL

TSTMS			54.5		36.4	9.1	
LIQUID PRECIP	5.2		31.7	8.1	25.4	10.8	18.8
FREEZING PRECIP					100.0		
FROZEN PRECIP	3.9		42.6	4.1	5.1	5.8	38.5
FOG	10.7		24.3	7.9	39.6	12.6	5.0
FOG WITH VIS GE 1/2 MILES	9.9		24.0	8.2	40.7	11.9	5.3
TOTAL OBS	996	0	1337	399	1941	1266	1501

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

TION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 MONTH: SEP HOURS: ALL

ABLE	350 - 059	060 - 149	150 - 209	210 - 269	270 - 349	NO OF OBS
	25.3	20.0	22.1	22.1	4.2	95
	41.5	14.8	22.4	8.3	8.7	1152
					66.7	3
	29.9	9.1	34.9	14.2	2.7	1543
	29.1	10.1	35.3	13.8	2.8	1371
)	1686	523	1575	1375	1146	7200

MONTH: OCT HOURS: ALL

	54.5		36.4	9.1		22
	31.7	8.1	25.4	10.8	18.8	1112
			100.0			1
	42.6	4.1	5.1	5.8	38.5	413
	24.3	7.9	39.6	12.6	5.0	1331
	24.0	8.2	40.7	11.9	5.3	1211
)	1337	399	1941	1266	1501	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	350 - 059	060 - 149	150 - 209	210 - 269	270 - 349
TSTMS					33.3		66.7
LIQUID PRECIP	3.7		29.0	11.8	38.4	6.2	10.9
FREEZING PRECIP	31.3		18.8	28.1	3.1	6.3	12.5
FROZEN PRECIP	5.3		35.1	7.4	6.4	11.5	34.3
FOG	8.6		24.2	8.3	38.9	13.4	6.7
FOG WITH VIS GE 1/2 MILES	8.7		25.5	8.3	36.7	13.3	7.6
TOTAL OBS	719	0	1362	391	1527	1403	1798

MONTH: DEC HOURS: ALL

PHENOMENA	CALM	VARIABLE	350 - 059	060 - 149	150 - 209	210 - 269	270 - 349
TSTMS							
LIQUID PRECIP	7.7		39.1	5.9	36.9	5.5	4.8
FREEZING PRECIP	7.0		16.0	10.0	35.0	12.0	20.0
FROZEN PRECIP	6.6		24.0	6.7	11.7	12.3	38.8
FOG	11.5		22.9	6.9	35.5	13.4	9.8
FOG WITH VIS GE 1/2 MILES	11.6		22.2	7.4	32.9	14.8	11.2
TOTAL OBS	724	0	1001	329	1379	1651	2356

RCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

ION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 MONTH: NOV HOURS: ALL

BLE	350 - 059	060 - 149	150 - 209	210 - 269	270 - 349	NO OF OBS
			33.3		66.7	3
	29.0	11.8	38.4	6.2	10.9	677
	18.8	28.1	3.1	6.3	12.5	32
	35.1	7.4	6.4	11.5	34.3	1676
	24.2	8.3	38.9	13.4	6.7	1227
	25.5	8.3	36.7	13.3	7.6	1083
	1362	391	1527	1403	1798	7200

MONTH: DEC HOURS: ALL

	39.1	5.9	36.9	5.5	4.8	271
	16.0	10.0	35.0	12.0	20.0	100
	24.0	6.7	11.7	12.3	38.8	2770
	22.9	6.9	35.5	13.4	9.8	1077
	22.2	7.4	32.9	14.8	11.2	925
	1001	329	1379	1651	2356	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTHS: ALL

PHENOMENA	CALM	VARIABLE	350 - 059	060 - 149	150 - 209	210 - 269	270 - 349
TSTMS	4.0		18.8	14.0	33.9	19.2	10.1
LIQUID PRECIP	4.6		33.4	11.7	29.6	9.2	11.6
FREEZING PRECIP	5.9		42.4	13.3	24.5	5.7	8.2
FROZEN PRECIP	6.1		36.7	5.8	10.3	8.1	33.1
FOG	9.7		27.9	8.7	34.8	12.7	6.2
FOG WITH VIS GE 1/2 MILES	9.3		27.3	9.0	34.8	12.9	6.7
TOTAL OBS	10868	0	21714	5463	18623	13823	17176

ENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AF8 MI
UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTHS: ALL

350 - 059	060 - 149	150 - 209	210 - 269	270 - 349	NO OF OBS
18.8	14.0	33.9	19.2	10.1	605
33.4	11.7	29.6	9.2	11.6	6805
42.4	13.3	24.5	5.7	8.2	474
36.7	5.8	10.3	8.1	33.1	13056
27.9	8.7	34.8	12.7	6.2	12552
27.3	9.0	34.8	12.9	6.7	11184
21714	5463	18623	13823	17176	87667

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PPPPPPPP      AAAAAA      RRRRRRRR      TTTTTTTTTT      BBBBBBBB
PPPPPPPPP     AAAAAAA     RRRRRRRRR     TTTTTTTTTT      BBBBBBBBB
PP     PP     AA   AA     RR     RR        TT          BB     BB
PP     PP     AA   AA     RR     RR        TT          BB     BB
PPPPPPPPP     AA   AA     RRRRRRRRR        TT          BBBBBBBBB
PPPPPPPP      AAAAAAAAA    RRRRRRRR         TT          BBBBBBBBB
PP            AAAAAAAAA    RR   RR          TT          BB     BB
PP            AA   AA      RR    RR         TT          BB     BB
PP            AA   AA      RR     RR        TT          BBBBBBBBB
PP            AA   AA      RR      RR       TT          BBBBBBBBB
```

PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.
THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.
THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS (YEARS) ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.
THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. ".00" MEANS NO PRECIPITAION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.
THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN POR.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN 10 SETS OF MONTHLY DATA, OR MORE, ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS

- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: +05

PERIOD OF RECORD: 57
MONTH: ALL HOURS:

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
NONE	17.7	23.2	32.3	44.0	47.5	44.5	52.0	44.8	37.3	36.9	2
TRACE	27.8	27.0	26.0	17.8	15.0	15.9	15.6	19.2	18.6	20.1	2
.01	9.3	7.3	5.7	2.3	3.5	3.2	2.6	3.0	4.0	4.5	
.02-.05	16.8	16.6	12.3	8.8	8.5	8.7	5.9	8.4	10.2	10.4	1
.06-.10	9.2	9.6	7.2	5.8	4.7	5.1	3.9	3.4	4.8	6.0	
.11-.25	12.0	8.6	8.0	10.2	9.4	8.9	6.5	7.7	8.9	11.4	1
.26-.50	5.5	4.5	4.6	6.3	5.5	7.6	6.7	6.3	7.1	5.7	
.51-1.00	1.2	2.2	2.7	3.7	4.4	4.2	4.6	4.5	6.2	2.9	
1.01-2.50	.4	.5	1.3	1.1	1.6	1.7	2.2	2.4	2.9	1.8	
2.51-5.00						.1	.1	.1		.1	
5.01-10.00											
10.01-20.00											
OVER 20.00											
DAYS WITH MEAS AMTS	54.6	49.8	41.7	38.2	37.6	39.6	32.4	35.9	44.1	42.9	4
TOTAL NO. OF OBSERVATIONS	911	848	930	916	961	930	961	930	900	929	

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES
FROM SUMMARY OF DAY DATA

ION NAME: K. I. SAWYER AFB MI
TC UTC: +05

PERIOD OF RECORD: 5701-5712,5804-5810,5911-8807
MONTH: ALL HOURS: ALL

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
32.3	44.0	47.5	44.5	52.0	44.8	37.3	36.9	27.8	17.1	35.7
26.0	17.8	15.0	15.9	15.6	19.2	18.6	20.1	24.8	28.9	21.3
5.7	2.3	3.5	3.2	2.6	3.0	4.0	4.5	6.0	7.7	4.9
12.3	8.8	8.5	8.7	5.9	8.4	10.2	10.4	12.4	16.6	11.2
7.2	5.8	4.7	5.1	3.9	3.4	4.8	6.0	8.8	8.6	6.4
8.0	10.2	9.4	8.9	6.5	7.7	8.9	11.4	10.0	10.4	9.3
4.6	6.3	5.5	7.6	6.7	6.3	7.1	5.7	5.2	7.6	6.1
2.7	3.7	4.4	4.2	4.6	4.5	6.2	2.9	3.7	2.6	3.6
1.3	1.1	1.6	1.7	2.2	2.4	2.9	1.8	1.2	.5	1.5
			.1	.1	.1		.1	.1		.0
41.7	38.2	37.6	39.6	32.4	35.9	44.1	42.9	47.4	54.0	43.0
930	916	961	930	961	930	900	929	900	911	11027

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: +05

PERIOD OF RECORD:
MONTH: ALL HOURS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	N
57	.37*	.86	.62	1.73	3.11	1.38	1.81	2.35	5.17	1.46	6.1
58				.75*	1.29	2.18	4.63	3.05	2.03	1.09	
59											2.9
60	1.38	2.18	2.08	5.12	5.48	5.01	3.91	3.67	5.05	2.69	2.3
61	1.05	1.76	2.63	3.44	3.14	4.09	2.52	3.16	4.97	2.02	2.4
62	2.71	3.45	1.29	1.80	2.83	1.70	1.12	4.34	4.64	2.16	1.3
63	1.90	1.50	1.46	2.47	1.70	3.85	2.61	2.20	2.64	.91	3.6
64	1.75	2.45	2.60	2.41	3.36	1.98	3.94	4.90	4.49	1.27	2.4
65	1.17	1.96	2.52	1.55	4.35	.93	1.95	2.43	3.94	1.07	3.1
66	1.33	.88	3.48	1.51	1.88	4.10	1.06	6.03	2.07	3.16	3.9
67	4.19	2.31	1.77	2.58	2.46	6.37	2.88	3.34	1.31	6.10	1.6
68	1.27	2.32	.99	2.92	3.06	9.29	2.81	2.42	5.19	3.07	1.2
69	3.26	1.65	3.25	3.24	2.62	4.26	2.45	.34	2.65	4.72	1.1
70	1.39	.82	1.26	1.42	5.21	.49	9.00	.56	4.25	3.81	2.5
71	4.96	2.87	2.62	.65	1.82	2.63	2.76	1.29	3.39	5.30	3.1
72	1.11	1.14	2.38	2.81	1.85	1.09	3.62	4.23	3.86	2.10	2.7
73	1.08	3.31	2.63	4.65	6.87	3.76	4.09	4.66	3.34	4.05	1.2
74	.81	1.85	1.14	2.86	2.20	3.93	2.12	4.25	3.74	2.05	2.8
75	3.09	1.74	2.77	2.64	3.01	5.57	3.59	4.92	3.57	1.11	4.0
76	1.74	1.21	4.13	2.31	3.92	3.60	1.48	1.44	1.23	1.53	.9
77	1.48	1.45	4.21	4.31	1.96	3.65	4.76	5.88	6.70	2.68	3.2
78	2.68	1.37	.81	2.34	3.67	2.93	8.31	4.22	5.88	2.16	2.4
79	2.49	1.22	4.81	2.53	3.01	6.12	6.44	2.83	1.69	5.50	2.0
80	2.72	1.68	.48	2.95	2.33	2.01	2.64	2.71	5.79	.98	1.3
81	1.18	1.91	1.26	2.15	2.55	4.90	1.35	3.98	2.98	3.05	1.0
82	3.24	.31	1.31	2.63	2.83	1.29	5.13	3.52	7.66	3.20	2.1
83	1.95	1.31	3.19	2.53	6.29	3.05	2.55	3.77	5.38	7.14	3.8
84	1.02	2.96	2.18	3.14	1.01	4.89	2.75	7.82	4.48	3.04	3.0
85	2.04	3.29	3.39	5.99	3.95	1.34	3.13	4.29	5.99	3.88	7.0
86	2.82	1.47	3.47	2.47	.10	1.61	2.81	3.98	3.48	3.62	1.4
87	1.15	1.48	.93	2.15	2.88	1.71	4.59	3.16	3.02	3.58	3.8
88	3.09	1.19	4.10	1.13	1.06	.63	3.11				

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STN NAME: K. I. SAWYER AFB MI
AREA UTC: +05

PERIOD OF RECORD: 5701-5712,5804-5810,5911-8807
MONTH: ALL HOURS: ALL

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
.62	1.73	3.11	1.38	1.81	2.35	5.17	1.46	6.16	.87*	25.89*
	.75*	1.29	2.18	4.63	3.05	2.03	1.09			15.02*
								2.95	1.96	4.91*
.09	5.12	5.48	5.01	3.91	3.67	5.05	2.69	2.35	1.56	40.48
.53	3.44	3.14	4.09	2.52	3.16	4.97	2.02	2.45	2.56	33.79
.29	1.80	2.83	1.70	1.12	4.34	4.64	2.16	1.30	2.92	30.26
.49	2.47	1.70	3.85	2.61	2.20	2.64	.91	3.65	3.06	27.95
.40	2.41	3.36	1.98	3.94	4.90	4.49	1.27	2.45	2.42	34.02
.52	1.55	4.35	.93	1.95	2.43	3.94	1.07	3.10	2.13	27.10
.48	1.51	1.88	4.10	1.06	6.03	2.07	3.16	3.97	2.00	31.47
.77	2.58	2.46	6.37	2.88	3.34	1.31	6.10	1.66	.72	35.69
.99	2.92	3.06	9.29	2.81	2.42	5.19	3.07	1.24	5.83	40.41
.[illegible]	3.24	2.62	4.26	2.45	.34	2.65	4.72	1.18	3.10	32.72
.76	1.42	5.21	.49	9.00	.56	4.25	3.81	2.58	2.37	33.16
.62	.65	1.82	2.63	2.76	1.29	3.39	5.30	3.16	2.35	33.80
.34	2.81	1.85	1.09	3.62	4.23	3.86	2.10	2.78	4.41	31.38
.63	4.65	6.87	3.76	4.09	4.66	3.34	4.05	1.28	2.97	42.69
.14	2.86	2.20	3.93	2.12	4.25	3.74	2.05	2.83	1.20	28.98
.77	2.64	3.01	5.57	3.59	4.92	3.57	1.11	4.05	1.78	37.84
.17	2.31	3.92	3.60	1.48	1.44	1.23	1.53	.98	1.79	25.41
.21	4.31	1.96	3.65	4.76	5.88	6.70	2.68	3.29	3.95	44.32
.31	2.34	3.67	2.93	8.31	4.22	5.88	2.16	2.46	1.26	38.09
.1	2.53	3.01	6.12	6.44	2.83	1.69	5.50	2.04	1.37	40.05
.4[illegible]	2.95	2.33	2.01	2.64	2.71	5.79	.98	1.30	1.87	27.46
.39	2.15	2.55	4.90	1.35	3.98	2.98	3.05	1.04	3.52	29.87
.21	2.63	2.33	1.29	5.13	3.52	7.66	3.20	2.17	3.00	36.29
.13	2.53	6.29	3.05	2.55	3.77	5.38	7.14	3.85	2.06	43.07
.15	3.14	1.01	4.89	2.75	7.82	4.48	3.04	3.05	2.52	38.86
.19	5.99	3.95	1.34	3.13	4.29	5.99	3.88	7.04	3.28	47.61
.47	2.47	.10	1.61	2.91	3.98	3.48	3.62	1.40	.88	28.11
.24	2.15	2.88	1.71	4.59	3.16	3.02	3.58	3.85	3.67	32.22
.13	1.13	1.06	.63	3.11						14.31*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: 57~~0~~
LST TO UTC: +05 MONTH: ALL HOURS: A

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
LEAST	.81	.31	.48	.65	.10	.49	1.06	.34	1.23	.91	.98
GREATEST	4.96	3.45	4.81	5.99	6.87	9.29	9.00	7.82	7.66	7.14	7.04
MEAN	2.07	1.80	2.33	2.68	2.96	3.24	3.42	3.52	4.02	2.95	2.72
MEDIAN	1.75	1.67	2.45	2.53	2.83	3.05	2.81	3.60	3.90	2.87	2.52
SD	1.043	.791	1.195	1.148	1.512	2.000	1.862	1.599	1.597	1.616	1.422
TOTAL OBS	911	848	930	916	961	930	961	930	900	929	900

THE GREATEST VALUE OF 9.29 OCCURRED ON 06/68

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MI

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

TATION NAME: K. I. SAWYER AFB MI
ST TO UTC: +05

PERIOD OF RECORD: 5701-5712,5804-5810,5911-8807
MONTH: ALL HOURS: ALL

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
.48	.65	.10	.49	1.06	.34	1.23	.91	.98	.72	25.41
4.41	5.99	6.87	9.29	9.00	7.82	7.66	7.14	7.04	5.83	47.61
2.33	2.68	2.96	3.24	3.42	3.52	4.02	2.95	2.72	2.50	34.75
2.45	2.53	2.83	3.05	2.81	3.60	3.90	2.87	2.52	2.37	33.80
1.195	1.148	1.512	2.000	1.862	1.599	1.597	1.616	1.422	1.113	5.860
930	916	961	930	961	930	900	929	900	911	11027

UE OF 9.29 OCCURRED ON 06/68

E IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: 570
LST TO UTC: +05 MONTH: ALL HOURS: A

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
57	.13*	.20	.16	.38	1.17	.40	.84	1.10	1.59	.38	2.56
58				.20*	.28	.54	.88	.97	1.01	.18	
59											.90
60	.24	.55	.72	1.45	1.25	1.84	1.93	2.35	1.63	1.52	.77
61	.28	.68	1.10	1.53	1.03	2.29	.97	1.54	1.44	.81	1.02
62	.50	.88	.68	.48	1.01	.72	.82	1.13	1.21	.52	.34
63	.57	.19	.67	.79	.40	.95	.78	.85	1.02	.27	.90
64	.68	.47	1.05	.38	.96	.55	1.13	.95	.96	.68	.73
65	.31	1.17	1.09	.31	1.30	.20	1.01	.54	.66	.25	.62
66	.43	.38	.52	.26	.74	1.32	.39	1.24	1.09	1.93	1.52
67	1.32	.45	.76	.86	.76	1.46	.87	.75	.36	1.56	.52
68	.39	.51	.29	.45	.84	1.97	.56	.87	1.32	.92	.30
69	.70	.67	1.80	.72	.62	.69	.58	.26	1.00	1.37	.54
70	.26	.21	.47	.89	2.18	.15	1.92	.36	1.00	1.75	.65
71	1.76	.95	1.39	.45	.68	.51	1.52	.39	1.38	1.27	.66
72	.32	.28	.45	1.22	.83	.60	.92	1.64	1.11	.52	1.26
73	.26	1.05	1.09	1.15	2.14	.63	.88	1.24	1.47	1.13	.45
74	.18	.49	.47	.87	.55	.99	.93	1.52	1.54	.61	.97
75	.83	.63	1.24	.98	.60	.97	1.29	2.00	.76	.43	.68
76	.22	.51	1.06	.75	2.34	1.20	.49	.90	.46	.33	.32
77	.38	.41	1.42	1.12	1.18	1.37	1.89	2.74	2.31	.97	.76
78	.33	.53	.16	.64	1.29	1.47	3.29	1.36	2.15	1.06	1.28
79	.85	.26	1.48	.75	1.31	1.81	2.02	.83	.71	1.28	.64
80	.51	.32	.25	1.03	1.01	.69	.56	1.05	1.33	.17	.66
81	.30	.44	.21	1.19	.79	1.32	.40	2.39	.94	1.11	.36
82	1.38	.12	.23	.88	.71	.44	1.90	1.40	1.89	.89	1.17
83	.37	.60	.84	1.02	2.39	.51	1.10	1.76	1.70	2.71	1.47
84	.17	1.31	.74	1.58	.30	2.63	.87	2.24	1.21	1.18	1.06
85	.40	1.44	.93	2.20	.91	.34	1.27	.98	1.32	1.54	2.08
86	.52	.55	.97	.64	.06	.45	.72	.94	.45	1.16	.38
87	.21	.55	.31	.85	.74	.43	1.51	1.62	.77	.91	1.36
88	1.56	.39	.81	.27	.34	.29	1.47				

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

ATION NAME: K. I. SAWYER AFB MI
TO UTC: +05

PERIOD OF RECORD: 5701-5712,5804-5810,5911-8807
MONTH: ALL HOURS: ALL

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
.16	.38	1.17	.40	.84	1.10	1.59	.38	2.56	.33*	2.56*
	.20*	.28	.54	.88	.97	1.01	.18			1.01*
								.90	.57	.90*
.72	1.45	1.25	1.84	1.93	2.35	1.63	1.52	.77	.34	2.35
1.10	1.53	1.03	2.29	.97	1.54	1.44	.81	1.02	.89	2.29
.68	.48	1.01	.72	.82	1.13	1.21	.52	.34	.57	1.21
.67	.79	.40	.95	.78	.85	1.02	.27	.90	.66	1.02
1.05	.38	.96	.55	1.13	.95	.96	.68	.73	.40	1.13
1.09	.31	1.30	.20	1.01	.54	.66	.25	.62	.57	1.30
.52	.26	.74	1.32	.39	1.24	1.09	1.93	1.52	.34	1.93
.76	.86	.76	1.46	.87	.75	.36	1.56	.52	.16	1.56
.29	.45	.84	1.97	.56	.87	1.32	.92	.30	.65	1.97
1.80	.72	.62	.69	.58	.26	1.00	1.37	.54	.63	1.80
.47	.89	2.18	.15	1.92	.36	1.00	1.75	.65	.42	2.18
1.39	.45	.68	.51	1.52	.39	1.38	1.27	.66	.65	1.76
.45	1.22	.83	.60	.92	1.64	1.11	.52	1.26	1.70	1.70
1.09	1.15	2.14	.63	.88	1.24	1.47	1.13	.45	.54	2.14
.47	.87	.55	.99	.93	1.52	1.54	.61	.97	.40	1.54
1.24	.98	.60	.97	1.29	2.00	.76	.43	.68	1.18	2.00
1.06	.75	2.34	1.20	.49	.90	.46	.33	.32	.59	2.34
1.42	1.12	1.18	1.37	1.89	2.74	2.31	.97	.76	.78	2.74
.16	.64	1.29	1.47	3.29	1.36	2.15	1.06	1.28	.37	3.29
1.48	.75	1.31	1.81	2.02	.83	.71	1.28	.64	.31	2.02
.25	1.03	1.01	.69	.56	1.05	1.33	.17	.66	.35	1.33
.21	1.19	.79	1.32	.40	2.39	.94	1.11	.36	1.14	2.39
.23	.88	.71	.44	1.90	1.40	1.89	.89	1.17	.74	1.90
.84	1.02	2.39	.51	1.10	1.76	1.70	2.71	1.47	.45	2.71
.74	1.58	.30	2.63	.87	2.24	1.21	1.18	1.06	.47	2.63
.98	2.20	.91	.34	1.27	.98	1.32	1.54	2.08	1.10	2.20
.97	.64	.06	.45	.72	.94	.45	1.16	.38	.33	1.16
.31	.85	.74	.43	1.51	1.62	.77	.91	1.36	1.03	1.62
.81	.27	.34	.29	1.47						1.56*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: +05

PERIOD OF RECORD: \
MONTH: ALL HOURS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	N
GREATEST	1.76	1.44	1.80	2.20	.39	2.63	3.29	2.74	2.31	2.71	2.5
TOTAL OBS	911	849	930	916	961	930	961	930	900	929	90

THE GREATEST VALUE OF 3.29 OCCURRED ON 07/19/78

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR TH

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

ON NAME: K. I. SAWYER AFB MI
) UTC: +05

PERIOD OF RECORD: 5701-5712,5804-5810,5911-8807
MONTH: ALL HOURS: ALL

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
.50	2.20	2.39	2.63	3.29	2.74	2.31	2.71	2.56	1.70	3.29
930	916	961	930	961	930	900	929	900	911	11027

OF 3.29 OCCURRED ON 07/19/78

S BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD
LST TO UTC: +05 MONTH: ALL HOU

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
NONE	20.0	24.6	41.2	68.0	91.7	99.7	99.9	99.8	97.1	77.6
TRACE	26.0	27.2	24.8	14.2	5.0	.3	.1	.2	2.7	14.2
0.1-0.4	18.0	15.4	10.0	7.0	1.5				.1	2.7
0.5-1.4	17.5	15.8	11.5	5.9	1.0					3.3
1.5-2.4	5.8	6.7	3.9	1.6	.7					.8
2.5-3.4	4.3	2.9	2.3	1.1	.1				.1	.5
3.5-4.4	2.9	3.1	1.3	.9						.6
4.5-6.4	2.9	1.1	1.6	.7						.2
6.5-10.4	2.1	2.2	2.3	.7						
10.5-15.4	.3	.7	.9							
15.5-25.4	.3	.1	.3							
25.5-50.4										
OVER 50.4										
DAYS WITH MEAS AMTS	54.0	48.1	34.0	17.8	3.3				.2	8.2
TOTAL NO. OF OBSERVATIONS	911	848	930	916	961	930	961	930	900	950

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
FROM SUMMARY OF DAY DATA

STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: +05

PERIOD OF RECORD: 5701-5712,5804-5810,5910-8807
MONTH: ALL HOURS: ALL

FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
24.5	41.2	68.0	91.7	99.7	99.9	99.8	97.1	77.6	41.8	21.4	65.8
7.2	24.8	14.2	5.0	.3	.1	.2	2.7	14.2	24.8	27.6	13.7
15.4	10.0	7.0	1.5				.1	2.7	10.2	15.9	6.6
15.8	11.5	5.9	1.0					3.3	11.8	14.9	6.7
5.7	3.9	1.6	.7					.8	4.6	7.1	2.6
2.9	2.3	1.1	.1				.1	.5	1.8	4.2	1.4
3.1	1.3	.9						.6	1.3	2.5	1.0
1.1	1.6	.7						.2	2.0	2.6	.9
2.2	2.3	.7							1.6	2.6	.9
.7	.9								.2	1.0	.3
.1	.3									.1	.1
61.1	34.0	17.8	3.3				.2	8.2	33.4	51.0	20.4
948	930	916	961	930	961	930	900	950	900	911	11048

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: +05

PERIOD OF RECORD
MONTH: ALL HOU

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
57	3.3*	9.1	5.4	12.0	TRACE	.0	.0	.0	.0	TRACE	2
58				.6*	.4	.0	.0	.0	TRACE	.2	
59										TRACE*	2
60	21.5	40.1	30.6	11.0	4.9	TRACE	.0	.0	TRACE	2.0	1
61	13.9	21.5	24.2	3.8	1.8	.0	.0	.0	TRACE	TRACE	1
62	28.6	34.3	10.8	1.8	1.4	.0	.0	.0	TRACE	9.1	
63	18.4	14.7	13.7	2.3	2.0	.0	.0	.0	.0	TRACE	1
64	14.0	26.6	25.1	4.1	.0	.0	.0	.0	.0	3.2	
65	12.5	18.9	28.1	3.6	TRACE	.0	.0	.0	TRACE	2.1	1
66	12.6	6.8	27.7	9.8	1.0	.0	.0	.0	TRACE	.6	4
67	37.5	23.8	14.4	2.4	3.8	.0	TRACE	.0	TRACE	10.8	2
68	16.1	30.3	3.7	3.3	TRACE	.0	.0	.0	TRACE	5.6	2
69	44.3	29.4	37.5	.4	TRACE	TRACE	.0	.0	.0	6.5	
70	40.6	20.2	17.2	.9	2.2	.0	.0	.0	TRACE	TRACE	1
71	92.8	34.0	26.3	2.6	1.0	.0	.0	.0	.0	.0	2
72	17.0	22.5	37.2	17.1	.0	.0	.0	.0	.0	2.3	
73	13.9	31.1	.2	11.6	3.9	.0	.0	.0	TRACE	TRACE	1
74	9.9	31.1	8.1	17.1	2.3	.0	.0	.0	3.4	8.7	1
75	36.4	28.3	44.6	1.0	.0	.0	.0	.0	TRACE	TRACE	3
76	36.4	16.7	40.2	1.3	1.2	.0	.0	.0	TRACE	14.8	1
77	20.1	12.7	17.4	15.8	TRACE	.0	.0	.0	.0	TRACE	1
78	48.6	25.5	14.0	3.0	.0	.0	.0	.0	.0	2.1	1
79	42.4	21.1	29.0	16.0	1.5	.0	.0	.0	.0	11.3	1
80	23.9	20.4	4.5	3.1	TRACE	.0	.0	.0	TRACE	3.0	
81	31.0	22.8	19.1	1.7	.2	TRACE	.0	.0	.0	6.8	
82	40.8	4.9	16.6	20.0	.0	.0	.0	.0	.0	3.4	
83	31.0	30.1	37.4	14.6	TRACE	.0	.0	.0	TRACE	TRACE	1
84	19.2	26.6	24.0	.2	TRACE	.0	.0	.0	TRACE	.1	1
85	49.5	48.1	45.6	25.6	.0	.0	.0	.0	TRACE	TRACE	2
86	47.4	22.3	34.9	3.9	.1	.0	.0	TRACE	TRACE	.8	1
87	16.6	20.4	10.2	13.9	.0	.0	.0	.0	.0	3.0	1
88	49.9	20.1	38.2	3.1	.0	.0	.0				

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

AME: K. I. SAWYER AFB MI — PERIOD OF RECORD: 5701-5712,5804-5810,5910-8807
TC: +05 — MONTH: ALL HOURS: ALL

?	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	12.0	TRACE	.0	.0	.0	.0	TRACE	26.8	11.3*	67.9*
	.6*	.4	.0	.0	.0	TRACE	.2			1.2*
							TRACE*	29.2	17.6	46.8*
	11.0	4.9	TRACE	.0	.0	TRACE	2.0	11.5	15.9	137.5
	3.8	1.8	.0	.0	.0	TRACE	TRACE	12.5	29.1	106.8
	1.8	1.4	.0	.0	.0	TRACE	9.1	9.9	24.3	120.2
	2.3	2.0	.0	.0	.0	.0	TRACE	19.7	27.0	97.8
	4.1	.0	.0	.0	.0	.0	3.2	7.0	30.5	110.5
	3.6	TRACE	.0	.0	.0	TRACE	2.1	15.0	10.8	91.0
	9.8	1.0	.0	.0	.0	TRACE	.6	40.6	29.7	128.8
	2.4	3.8	.0	TRACE	.0	TRACE	10.8	22.4	8.3	123.4
	3.3	TRACE	.0	.0	.0	TRACE	5.6	20.7	70.9	150.6
	.4	TRACE	TRACE	.0	.0	.0	6.5	7.0	55.4	180.5
	.9	2.2	.0	.0	.0	TRACE	TRACE	15.0	49.5	145.6
	2.6	1.0	.0	.0	.0	.0	.0	28.6	22.9	208.2
	17.1	.0	.0	.0	.0	.0	2.3	8.1	36.1	140.3
	11.6	3.9	.0	.0	.0	TRACE	TRACE	10.4	54.5	125.6
	17.1	2.3	.0	.0	.0	3.4	8.7	16.3	16.9	113.8
	1.0	.0	.0	.0	.0	TRACE	TRACE	37.2	12.8	160.3
	1.3	1.2	.0	.0	.0	TRACE	14.8	17.1	24.1	151.8
	15.8	TRACE	.0	.0	.0	.0	TRACE	18.3	64.1	148.4
	3.0	.0	.0	.0	.0	.0	2.1	14.9	29.2	137.3
	16.0	1.5	.0	.0	.0	.0	11.3	15.6	14.2	151.1
	3.1	TRACE	.0	.0	.0	TRACE	3.0	7.1	28.8	90.8
	1.7	.2	TRACE	.0	.0	.0	6.8	7.7	61.3	150.6
	20.0	.0	.0	.0	.0	.0	3.4	5.1	9.0	99.8
	14.5	TRACE	.0	.0	.0	TRACE	TRACE	11.4	31.7	156.2
	.2	TRACE	.0	.0	.0	TRACE	.1	17.3	23.2	110.6
	25.6	.0	.0	.0	.0	TRACE	TRACE	25.1	54.5	248.4
	3.9	.1	.0	.0	TRACE	TRACE	.8	11.3	10.6	131.3
	13.9	.0	.0	.0	.0	.0	3.0	16.3	38.1	118.5
	3.1	.0	.0	.0						111.3*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: 5
LST TO UTC: +05 MONTH: ALL HOURS:

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NC
LEAST	9.9	4.9	.2	.2	.0	.0	.0	.0	.0	.0	5.
GREATEST	92.8	48.1	45.6	25.6	4.9	TRACE	TRACE	TRACE	3.4	14.8	40.
MEAN	30.6	23.8	22.9	7.6	.9	TRACE	TRACE	TRACE	.1	3.2	16.
MEDIAN	28.6	22.7	24.1	3.7	TRACE	.0	.0	.0	TRACE	2.1	15.
SD	17.805	9.357	12.953	7.086	1.343	.000	.000	.000	.621	4.114	8.88
TOTAL OBS	911	848	930	916	961	930	961	930	900	950	90

THE GREATEST VALUE OF 92.8 OCCURRED ON 01/71

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR TH

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

ATION NAME: K. I. SAWYER AFB MI
T TO UTC: +05

PERIOD OF RECORD: 5701-5712,5804-5810,5910-8807
MONTH: ALL HOURS: ALL

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
.2	.2	.0	.0	.0	.0	.0	.0	5.1	8.3	90.8
45.6	25.6	4.9	TRACE	TRACE	TRACE	3.4	14.8	40.6	70.9	248.4
22.9	7.6	.9	TRACE	TRACE	TRACE	.1	3.2	16.8	31.1	137.0
24.1	3.7	TRACE	.0	.0	.0	TRACE	2.1	15.3	28.8	134.3
2.953	7.086	1.343	.000	.000	.000	.621	4.114	8.887	17.945	34.612
930	916	961	930	961	930	900	950	900	911	11048

M OF 92.8 OCCURRED ON 01/71

IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECOR
LST TO UTC: +05 MONTH: ALL HO

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
57	1.3*	2.2	1.5	3.8	TRACE	.0	.0	.0	.0	TRACE
58				.6*	.2	.0	.0	.0	TRACE	.2
59										TRACE*
60	5.8	9.3	13.0	4.2	1.7	TRACE	.0	.0	TRACE	1.1
61	3.9	11.1	11.0	3.1	.9	.0	.0	.0	TRACE	TRACE
62	5.0	8.8	6.3	.8	1.4	.0	.0	.0	TRACE	3.9
63	5.7	1.8	6.7	1.3	1.4	.0	.0	.0	.0	TRACE
64	6.4	5.1	8.7	1.7	.0	.0	.0	.0	.0	1.3
65	2.9	12.7	8.3	2.5	TRACE	.0	.0	.0	TRACE	1.7
66	5.6	3.3	6.3	2.7	.4	.0	.0	.0	TRACE	.4
67	11.0	5.2	6.7	.7	1.8	.0	TRACE	.0	TRACE	4.8
68	4.2	6.6	1.4	1.3	TRACE	.0	.0	.0	TRACE	2.6
69	14.5	11.5	21.0	.2	TRACE	TRACE	.0	.0	.0	4.1
70	9.0	3.9	7.5	.6	2.2	.0	.0	.0	TRACE	TRACE
71	23.8	9.6	9.4	1.9	1.0	.0	.0	.0	.0	.0
72	4.1	6.5	10.3	6.4	.0	.0	.0	.0	.0	1.2
73	4.5	10.5	.2	4.1	3.0	.0	.0	.0	TRACE	TRACE
74	3.4	7.1	1.6	6.7	2.3	.0	.0	.0	3.0	4.4
75	8.6	8.1	17.2	1.0	.0	.0	.0	.0	TRACE	TRACE
76	5.0	4.3	13.6	1.3	1.1	.0	.0	.0	TRACE	3.5
77	4.3	3.5	6.7	6.9	TRACE	.0	.0	.0	.0	TRACE
78	10.3	6.5	3.0	1.7	.0	.0	.0	.0	.0	1.0
79	8.3	4.4	10.1	5.4	1.5	.0	.0	.0	.0	5.1
80	4.9	3.2	2.6	1.1	TRACE	.0	.0	.0	TRACE	1.2
81	7.7	6.4	3.0	.6	.2	TRACE	.0	.0	.0	4.4
82	17.1	1.8	2.5	9.3	.0	.0	.0	.0	.0	2.5
83	7.4	15.2	13.7	4.0	TRACE	.0	.0	.0	TRACE	TRACE
84	4.7	11.5	8.1	.2	TRACE	.0	.0	.0	TRACE	.1
85	10.1	17.9	19.8	8.1	.0	.0	.0	.0	TRACE	TRACE
86	10.2	8.4	11.8	2.3	.1	.0	.0	TRACE	TRACE	.7
87	2.7	10.4	4.5	9.9	.0	.0	.0	.0	.0	1.1
88	19.6	6.6	12.0	1.5	.0	.0	.0			

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NAME: K. I. SAWYER AFB MI
TIME ZONE: UTC: +05

PERIOD OF RECORD: 5701-5712,5804-5810,5910-8807
MONTH: ALL HOURS: ALL

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1.6	3.8	TRACE	.0	.0	.0	.0	TRACE	10.8	4.7*	10.8*
	.6*	.2	.0	.0	.0	TRACE	.2			.6*
							TRACE*	8.0	4.5	8.0*
13.0	4.2	1.7	TRACE	.0	.0	TRACE	1.1	3.9	3.4	13.0
11.0	3.1	.9	.0	.0	.0	TRACE	TRACE	7.0	9.5	11.1
6.3	.8	1.4	.0	.0	.0	TRACE	3.9	3.4	4.8	8.8
6.7	1.3	1.4	.0	.0	.0	.0	TRACE	6.6	7.0	7.0
8.7	1.7	.0	.0	.0	.0	.0	1.3	3.0	7.8	8.7
6.3	2.5	TRACE	.0	.0	.0	TRACE	1.7	3.8	3.6	12.7
5.3	2.7	.4	.0	.0	.0	TRACE	.4	11.8	8.0	11.8
6.7	.7	1.8	.0	TRACE	.0	TRACE	4.8	7.5	2.3	11.0
1.4	1.3	TRACE	.0	.0	.0	TRACE	2.6	8.2	13.0	13.0
21.0	.2	TRACE	TRACE	.0	.0	.0	4.1	3.0	7.7	21.0
7.5	.5	2.2	.0	.0	.0	TRACE	TRACE	7.3	11.0	11.0
9.4	1.9	1.0	.0	.0	.0	.0	.0	7.6	6.4	23.8
10.3	6.4	.0	.0	.0	.0	.0	1.2	2.0	7.1	10.8
.2	4.1	3.0	.0	.0	.0	TRACE	TRACE	4.6	8.7	10.5
1.6	6.7	2.3	.0	.0	.0	3.0	4.4	6.5	6.0	7.1
17.2	1.0	.0	.0	.0	.0	TRACE	TRACE	8.3	3.0	17.2
13.6	1.3	1.1	.0	.0	.0	TRACE	3.5	4.0	8.0	13.6
6.7	6.9	TRACE	.0	.0	.0	.0	TRACE	7.7	14.5	14.5
3.0	1.7	.0	.0	.0	.0	.0	1.0	3.6	7.2	10.3
10.1	5.4	1.5	.0	.0	.0	.0	5.1	4.8	3.7	10.1
5.1	1.1	TRACE	.0	.0	.0	TRACE	1.2	2.3	5.1	5.1
3.0	.6	.2	TRACE	.0	.0	.0	4.4	4.0	13.4	13.4
2.5	9.3	.0	.0	.0	.0	.0	2.5	1.5	3.2	17.1
13.7	4.0	TRACE	.0	.0	.0	TRACE	TRACE	5.3	11.3	15.2
3.1	.2	TRACE	.0	.0	.0	TRACE	.1	8.8	4.9	11.5
19.8	8.1	.0	.0	.0	.0	TRACE	TRACE	6.2	16.2	19.8
11.8	2.3	.1	.0	.0	TRACE	TRACE	.7	2.8	3.3	11.8
4.5	9.9	.0	.0	.0	.0	.0	1.1	5.5	13.5	13.5
12.0	1.5	.0	.0	.0						19.6*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD:
LST TO UTC: +05 MONTH: ALL HOUR

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
GREATEST	23.8	17.9	21.0	9.9	3.0	TRACE	TRACE	TRACE	3.0	5.1	1
TOTAL OBS	911	848	930	915	961	930	961	930	900	950	

THE GREATEST VALUE OF 23.8 OCCURRED ON 01/04/71

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

K. I. SAWYER AFB MI
05

PERIOD OF RECORD: 5701-5712,5804-5810,5910-8807
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
.9	3.0	TRACE	TRACE	TRACE	3.0	5.1	11.8	16.2	23.8
15	961	930	961	930	900	950	900	911	11048

23.8 OCCURRED ON 01/04/71

N A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: 5
LST TO UTC: +05 MONTH: ALL HOURS:

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
NONE	.2		4.2	47.7	95.6	100.0	100.0	100.0	99.9	91.5	
TRACE	.2	.7	4.6	14.8	3.0					3.1	
1	1.2	.6	3.7	7.4	.6					2.1	
2	1.7	1.9	4.5	4.6	.4					1.2	
3	3.2	.7	5.4	2.5	.2					.6	
4-6	10.1	5.8	10.3	8.8	.1				.1	1.4	
7-12	27.3	18.9	19.1	5.3							
13-24	38.7	40.8	31.6	7.1							
25-36	13.9	28.2	15.9	1.6							
37-48	3.3	2.6	.6								
49-60	.1										
61-120											
OVER 120											
DAYS WITH MEAS AMTS	99.6	99.3	91.2	37.4	1.4				.1	5.4	
TOTAL NO. OF OBSERVATIONS	930	848	930	916	961	930	961	930	900	979	

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

ON NAME: K. I. SAWYER AFB MI
) UTC: +05

PERIOD OF RECORD: 5610-5712,5804-5810,5910-8807
MONTH: ALL HOURS: ALL

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
4.2	47.7	95.6	100.0	100.0	100.0	99.9	91.5	40.9	1.8	57.4
4.6	14.8	3.0					3.1	12.3	2.1	3.4
3.7	7.4	.6					2.1	12.3	5.6	2.8
4.5	4.6	.4					1.2	8.7	5.6	2.4
5.4	2.5	.2					.6	5.8	8.9	2.3
10.3	8.8	.1				.1	1.4	10.5	25.3	6.0
19.1	5.3							7.1	22.8	8.3
31.6	7.1							2.3	24.3	11.8
15.9	1.6							.2	3.4	5.1
.6									.1	.5
										.0
91.2	37.4	1.4				.1	5.4	46.9	96.1	39.1
930	916	961	930	961	930	900	979	930	943	11158

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: 56
LST TO UTC: +05 MONTH: ALL HOURS:

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
56										0*	27
57	26	27	18	7	0	0	0	0	0	TRACE	8
58				TRACE*	0	0	0	0	0	TRACE	
59										5*	17
60	17	42	39	11	4	0	0	0	0	TRACE	4
61	11	20	19	1	TRACE	0	0	0	0	0	9
62	27	36	34	6	TRACE	0	0	0	0	4	3
63	16	14	15	2	TRACE	0	0	0	0	0	5
64	13	27	17	11	0	0	0	0	0	2	6
65	15	29	29	30	0	0	0	0	0	1	8
66	17	17	15	15	0	0	0	0	0	0	17
67	43	34	30	3	3	0	0	0	0	5	7
68	13	29	30	1	0	0	0	0	0	5	12
69	50	43	29	22	0	0	0	0	0	6	4
70	26	25	23	5	2	0	0	0	0	0	6
71	36	34	28	21	1	0	0	0	0	0	10
72	18	23	35	28	1	0	0	0	0	1	2
73	15	18	12	6	2	0	0	0	0	0	2
74	17	23	17	12	1	0	0	0	4	4	8
75	24	26	33	22	0	0	0	0	0	0	22
76	21	23	34	4	TRACE	0	0	0	0	5	8
77	19	18	22	13	0	0	0	0	0	0	10
78	32	37	23	6	0	0	0	0	0	TRACE	8
79	37	38	29	24	TRACE	0	0	0	0	5	5
80	11	17	16	1	0	0	0	0	0	1	2
81	16	13	7	1	0	0	0	0	0	1	5
82	35	32	28	10	0	0	0	0	0	2	2
83	14	24	20	11	0	0	0	0	0	TRACE	5
84	17	26	13	7	TRACE	0	0	0	0	0	7
85	22	30	23	29	0	0	0	0	0	0	10
86	33	33	35	1	0	0	0	0	0	TRACE	4
87	13	15	8	17	0	0	0	0	0	TRACE	3
88	49	38	39	6	0	0	0				

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

NAME: K. I. SAWYER AFB MI
UTC: +05

PERIOD OF RECORD: 5610-5712,5804-5810,5910-8807
MONTH: ALL HOURS: ALL

AR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
							0*	27	28	28*
3	7	0	0	0	0	0	TRACE	8	12*	27*
	TRACE*	0	0	0	0	0	TRACE			TRACE*
							5*	17	18	18*
	11	4	0	0	0	0	TRACE	4	6	42
	1	TRACE	0	0	0	0	0	9	19	20
4	6	TRACE	0	0	0	0	4	3	12	36
	2	TRACE	0	0	0	0	0	5	19	19
7	11	0	0	0	0	0	2	6	15	27
	30	0	0	0	0	0	1	8	9	30
	15	0	0	0	0	0	0	17	32	32
	3	3	0	0	0	0	5	7	5	43
	1	0	0	0	0	0	5	12	38	38
	22	0	0	0	0	0	6	4	20	50
3	5	2	0	0	0	0	0	6	34	34
	21	1	0	0	0	0	0	10	13	36
	28	1	0	0	0	0	1	2	13	35
	6	2	0	0	0	0	0	2	23	23
7	12	1	0	0	0	4	4	8	10	23
	22	0	0	0	0	0	0	22	7	33
	4	TRACE	0	0	0	0	5	8	18	34
	13	0	0	0	0	0	0	10	33	33
	6	0	0	0	0	0	TRACE	8	17	37
	24	TRACE	0	0	0	0	5	5	7	38
	1	0	0	0	0	0	1	2	15	17
7	1	0	0	0	0	0	1	5	21	21
	10	0	0	0	0	0	2	2	5	35
	11	0	0	0	0	0	TRACE	5	23	24
3	7	TRACE	0	0	0	0	0	7	7	26
	29	0	0	0	0	0	0	10	35	35
	1	0	0	0	0	0	TRACE	4	6	35
	17	0	0	0	0	0	TRACE	3	18	18
	6	0	0	0						48*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: 5
LST TO UTC: +05 MONTH: ALL HOURS:

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
GREATEST	50	43	39	30	4	0	0	0	4	6	27
TOTAL OBS	930	848	930	916	961	930	961	930	900	979	930

THE GREATEST VALUE OF 50 OCCURRED ON 01/10/69

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

AME: K. I. SAWYER AFB MI — PERIOD OF RECORD: 5610-5712,5804-5810,5910-8807
C: +05 — MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
30	4	0	0	0	4	6	27	38	50
916	961	930	961	930	900	979	930	943	11158

50 OCCURRED ON 01/10/69

D ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: 5
SNOW-YEAR: 1 AUG -

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	L MEAS SNOW
56 - 57	JAN 20	JAN 20	NOV 08	MAY 09	APR 13	A
57 - 58	OCT 24	NOV 05	NOV 09	MAY 10	MAY 10	D
58 - 59	SEP 30	OCT 01		OCT 11	OCT 01	
59 - 60	OCT 09	NOV 04	OCT 25	JUN 16	MAY 09	M
60 - 61	SEP 30	OCT 19	NOV 07	MAY 25	MAY 25	A
61 - 62	SEP 28	NOV 07	NOV 17	MAY 08	MAY 08	A
62 - 63	SEP 19	OCT 23	OCT 23	MAY 22	MAY 22	A
63 - 64	OCT 04	NOV 01	NOV 02	APR 14	APR 14	A
64 - 65	OCT 04	OCT 08	OCT 08	MAY 28	APR 26	A
65 - 66	SEP 25	OCT 23	OCT 24	MAY 28	MAY 28	A
66 - 67	SEP 30	OCT 16	NOV 01	JUL 04	MAY 20	M
67 - 68	SEP 27	OCT 10	OCT 10	MAY 17	APR 25	A
68 - 69	SEP 25	OCT 27	OCT 28	JUN 03	APR 28	A
69 - 70	OCT 11	OCT 15	OCT 22	MAY 05	MAY 05	M
70 - 71	SEP 28	NOV 13	NOV 15	MAY 26	MAY 12	M
71 - 72	NOV 02	NOV 03	NOV 04	APR 24	APR 23	M
72 - 73	OCT 12	OCT 21	OCT 21	MAY 16	MAY 16	M
73 - 74	SEP 12	NOV 02	NOV 08	MAY 18	MAY 05	M
74 - 75	SEP 21	SEP 21	SEP 22	APR 28	APR 19	A
75 - 76	SEP 12	NOV 12	NOV 13	MAY 07	MAY 03	A
76 - 77	SEP 21	OCT 15	OCT 16	MAY 06	APR 07	A
77 - 78	OCT 06	NOV 10	NOV 11	APR 20	APR 20	A
78 - 79	OCT 07	OCT 07	NOV 11	MAY 05	MAY 05	A
79 - 80	OCT 06	OCT 07	OCT 13	MAY 08	APR 24	A
80 - 81	SEP 26	OCT 03	OCT 13	JUN 20	MAY 09	A
81 - 82	OCT 01	OCT 01	OCT 21	APR 20	APR 20	A
82 - 83	OCT 15	OCT 16	OCT 16	MAY 04	APR 17	A
83 - 84	SEP 13	NOV 09	NOV 10	MAY 13	APR 30	A
84 - 85	SEP 26	OCT 30	NOV 10	APR 26	APR 17	A
85 - 86	SEP 12	NOV 03	NOV 11	MAY 01	MAY 01	A

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

NAME: K. I. SAWYER AFB MI

PERIOD OF RECORD: 5610-5712,5804-5810,5910-8807
SNOW-YEAR: 1 AUG - 31 JUL

FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
JAN 20	NOV 08	MAY 09	APR 13	APR 15
NOV 05	NOV 09	MAY 10	MAY 10	DEC 13
OCT 01		OCT 11	OCT 01	
NOV 04	OCT 25	JUN 16	MAY 09	MAY 11
OCT 19	NOV 07	MAY 25	MAY 25	APR 02
NOV 07	NOV 17	MAY 08	MAY 08	APR 12
OCT 23	OCT 23	MAY 22	MAY 22	APR 30
NOV 01	NOV 02	APR 14	APR 14	APR 15
OCT 08	OCT 08	MAY 28	APR 26	APR 20
OCT 23	OCT 24	MAY 28	MAY 28	APR 26
OCT 16	NOV 01	JUL 04	MAY 20	MAY 11
OCT 10	OCT 10	MAY 17	APR 25	APR 25
OCT 27	OCT 28	JUN 03	APR 28	APR 14
OCT 15	OCT 22	MAY 05	MAY 05	MAY 05
NOV 13	NOV 15	MAY 26	MAY 12	MAY 12
NOV 03	NOV 04	APR 24	APR 23	MAY 01
OCT 21	OCT 21	MAY 16	MAY 16	MAY 04
NOV 02	NOV 08	MAY 18	MAY 05	MAY 06
SEP 21	SEP 22	APR 28	APR 19	APR 19
NOV 12	NOV 13	MAY 07	MAY 03	APR 02
OCT 15	OCT 16	MAY 06	APR 07	APR 10
NOV 10	NOV 11	APR 20	APR 20	APR 21
OCT 07	NOV 11	MAY 05	MAY 05	APR 17
OCT 07	OCT 13	MAY 08	APR 24	APR 24
OCT 03	OCT 13	JUN 20	MAY 09	APR 05
OCT 01	OCT 21	APR 20	APR 20	APR 23
OCT 16	OCT 16	MAY 04	APR 17	APR 20
NOV 09	NOV 10	MAY 13	APR 30	APR 11
OCT 30	NOV 10	APR 26	APR 17	APR 18
NOV 03	NOV 11	MAY 01	MAY 01	APR 21

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI

PERIOD OF RECORD:
SNOW-YEAR: 1 AUG

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	ME/ SN(
86 - 87	AUG 27	OCT 14	NOV 16	APR 03	APR 02	
87 - 88	OCT 02	OCT 02	NOV 10	APR 27	APR 27	
MEDIAN-DATE	SEP 30	OCT 22	NOV 02	MAY 08	APR 29	

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

ME: K. I. SAWYER AFB MI

PERIOD OF RECORD: 5610-5712,5804-5810,5910-8807
SNOW-YEAR: 1 AUG - 31 JUL

RST URABLE FALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
T 14	NOV 16	APR 03	APR 02	APR 07
T 02	NOV 10	APR 27	APR 27	APR 05
T 22	NOV 02	MAY 08	APR 29	APR 20

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PPPPPPPP      AAAAAA      RRRRRRRR      TTTTTTTTTT      CCCCCC
PPPPPPPPP     AAAAAAAA     RRRRRRRRR     TTTTTTTTTT     CCCCCCCC
PP    PP     AA    AA     RR     RR        TT        CC      CC
PP    PP     AA    AA     RR     RR        TT        CC
PPPPPPPPP     AA    AA     RRRRRRRRR       TT        CC
PPPPPPPP      AAAAAAAAAA     RRRRRRRR      TT        CC
PP            AAAAAAAAAA     RR   RR       TT        CC
PP            AA    AA     RR    RR       TT        CC      CC
PP            AA    AA     RR     RR      TT         CCCCCCCC
PP            AA    AA     RR      RR     TT          CCCCCC
```

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.
THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF PEAK SPEEDS ARE AVAILABLE.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.
ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.
THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: 62
LST TO UTC: +05 MONTH: ALL HOURS:

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
62		N 33	N 26	N 37	W 34	W 30	WNW 33	N 33	SSW 43	W 33	SSW 31
63	NW 34	S 39	NNW 45	SSW 44	S 29	WNW 42	SSW 25	NE 31	NE 36	SSW 31	NNW 36
64	SSW 40	SW 36	S 39	SSW 59	S 37	WSW 43	NNE 35	WSW 35	SW 39	W 41	WNW 32
65	NNW 38	N 38	N 36	WSW 33	SSW 33	NW 32	WNW 32	N 29	SW 26	N 37	NW 46
66	S 34	S 31	NNE 43	ESE 32	WNW 38	W 31	WNW 40	NNE 27	NNW 29	SW 38	N 57
67	NW 37	N 38	S 36	N 35	SSW 39	SW 32	NNW 32	NNE 35	N 31	N 35	S 33
68	S 37	NNW 44	S 46	NW 57	SW 50	ENE 38	23/ 38	18/ 43	16/ 29	20/ 37	29/ 40
69	16/ 37	36/ 35	36/ 43	36/ 38	30/ 42	22/ 46	19/ 32	25/ 41	19/*34	34/ 32	36/ 39
70	36/ 36	36/ 40	36/ 35	27/ 42	29/ 37	02/ 32	33/ 35	27/ 32	27/ 38	18/ 41	26/ 50
71	33/ 48	18/ 40	01/ 49	35/ 40	23/ 39	20/ 32	30/ 32	25/ 40	22/ 32	20/ 44	20/ 42
72	34/ 45	36/ 32	36/ 43	09/ 29	36/ 40	01/ 32	23/ 39	36/ 26	26/ 39	29/ 54	02/ 38
73	36/ 34	18/ 37	16/ 42	03/ 41	35/ 40	22/ 31	21/ 32	20/ 38	20/ 31	21/ 36	32/ 36
74	32/ 35	34/ 35	27/ 33	35/ 36	13/ 32	33/ 35	27/ 34	22/ 30	21/ 33	36/ 39	35/ 30
75	18/ 50	33/ 30	03/ 36	02/ 29	27/ 60	22/ 40	34/ 32	21/ 37	32/ 30	25/ 38	29/ 43
76	20/ 37	35/ 39	01/ 39	21/ 34	21/ 34	19/ 54	01/ 31	27/ 32	24/ 35	31/ 32	30/ 32
77	31/ 36	36/ 32	32/ 35	35/ 38	24/ 38	31/ 43	30/ 41	33/ 32	24/ 42	28/ 34	23/ 46
78	36/ 58	36/ 31	20/ 36	33/ 42	01/ 36	19/ 38	27/ 47	20/ 30	32/ 36	36/ 36	24/ 37
79	35/ 29	31/ 32	36/ 50	31/ 42	18/ 40	35/ 40	03/ 38	18/ 32	20/ 37	35/ 41	19/ 40
80	27/ 42	20/ 29	29/ 37	36/ 38	35/ 36	35/ 34	19/ 29	20/ 37	24/ 39	22/ 43	33/ 29
81	19/ 27	36/ 33	32/ 30	32/ 36	36/ 35	24/ 34	20/ 27	27/ 22	33/ 40	33/ 39	30/ 33
82	01/ 41	35/ 33	28/ 37	32/ 44	18/ 28	17/ 29	32/ 36	35/ 29	03/ 32	35/ 50	33/ 39
83	36/ 41	02/ 42	36/ 41	09/ 37	36/ 30	17/ 34	22/ 35	27/ 32	20/ 29	33/ 31	20/ 34
84	20/ 30	36/ 36	36/ 44	36/ 41	24/ 43	21/ 38	23/ 40	29/ 34	19/ 34	21/ 53	19/ 40
85	33/ 36	24/ 38	36/ 40	35/ 39	32/ 32	28/ 38	24/ 33	23/ 37	18/ 33	35/ 36	26/ 35
86	36/ 39	36/ 23	36/ 53	36/ 35	24/ 37	23/ 36	20/ 29	32/ 27	31/ 28	19/ 34	19/ 47
87	36/ 32	35/ 56	01/ 36	32/ 40	18/ 43	30/ 23	23/ 56	34/ 27	35/ 25	35/ 42	34/ 34
88	36/ 41	34/ 36	22/ 33	36/ 34	32/ 31	23/ 31	22/ 34				

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

NAME: K. I. SAWYER AFB MI
UTC: +05

PERIOD OF RECORD: 6202-6806,6807-8807
MONTH: ALL HOURS: ALL

	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	N 37	W 34	W 30	WNW 33	N 33	SSW 43	W 33	SSW 31	NW 38	SSW*43
	SSW 44	S 29	WNW 42	SSW 25	NE 31	NE 36	SSW 31	NNW 36	N 36	NNW 45
	SSW 59	S 37	WSW 43	NNE 35	WSW 35	SW 39	W 41	WNW 32	S 37	SSW 59
	WSW 33	SSW 33	NW 32	WNW 32	N 29	SW 26	N 37	NW 46	N 39	NW 46
	ESE 32	WNW 38	W 31	WNW 40	NNE 27	NNW 29	SW 38	N 57	SSE 36	N 57
	N 35	SSW 39	SW 32	NNW 32	NNE 35	N 31	N 35	S 33	S 37	SSW 39
	NW 57	SW 50	ENE 38	23/ 38	18/ 43	16/ 29	20/ 37	29/ 40	36/ 43	NW 57
	36/ 38	30/ 42	22/ 46	19/ 32	25/ 41	19/*34	34/ 32	36/ 39	36/ 41	22/*46
	27/ 42	29/ 37	02/ 32	33/ 35	27/ 32	27/ 38	18/ 41	26/ 50	02/ 38	26/ 50
	35/ 40	23/ 39	20/ 32	30/ 32	25/ 40	22/ 32	20/ 44	20/ 42	29/ 38	01/ 49
	09/ 29	36/ 40	01/ 32	23/ 39	36/ 26	26/ 39	29/ 54	02/ 38	32/ 35	29/ 54
	03/ 41	35/ 40	22/ 31	21/ 32	20/ 38	20/ 31	21/ 36	32/ 36	22/ 37	16/ 42
	35/ 36	13/ 32	33/ 35	27/ 34	22/ 30	21/ 33	36/ 39	35/ 30	36/ 36	36/ 39
	02/ 29	27/ 60	22/ 40	34/ 32	21/ 37	32/ 30	25/ 38	29/ 43	20/ 34	27/ 60
	21/ 34	21/ 34	19/ 54	01/ 31	27/ 32	24/ 35	31/ 32	30/ 32	35/ 36	19/ 54
	35/ 38	24/ 38	31/ 43	30/ 41	33/ 32	24/ 42	28/ 34	23/ 46	34/ 29	23/ 46
	33/ 42	01/ 36	19/ 38	27/ 47	20/ 30	32/ 36	36/ 36	24/ 37	32/ 30	36/ 58
	31/ 42	18/ 40	35/ 40	03/ 38	18/ 32	20/ 37	35/ 41	19/ 40	21/ 36	36/ 50
	36/ 38	35/ 36	35/ 34	19/ 29	20/ 37	24/ 39	22/ 43	33/ 29	29/ 35	22/ 43
	32/ 36	36/ 35	24/ 34	20/ 27	27/ 22	33/ 40	33/ 39	30/ 33	19/ 28	33/ 40
	32/ 44	18/ 28	17/ 29	32/ 36	35/ 29	03/ 32	35/ 50	33/ 39	19/ 34	35/ 50
	03/ 37	36/ 30	17/ 34	22/ 35	27/ 32	20/ 29	33/ 31	20/ 34	33/ 37	02/ 42
	36/ 41	24/ 43	21/ 38	23/ 40	29/ 34	19/ 34	21/ 53	19/ 40	24/ 45	21/ 53
	35/ 39	32/ 32	28/ 38	24/ 33	23/ 37	18/ 33	35/ 36	28/ 35	36/ 49	36/ 49
	36/ 35	24/ 37	23/ 36	20/ 29	32/ 27	31/ 28	19/ 34	19/ 47	20/ 30	36/ 53
	32/ 40	18/ 43	30/ 23	23/ 56	34/ 27	35/ 25	35/ 42	34/ 34	01/ 42	35/ 56
	36/ 34	32/ 31	23/ 31	22/ 34						36/*41

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: 6202
LST TO UTC: +05 MONTH: ALL HOURS: AL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
GREATEST	36/ 58	35/ 56	36/ 53	SSW 59	27/ 60	19/ 54	23/ 56	18/ 43	SSW 43	29/ 54	N 57 3
TOTAL OBS	804	762	834	809	834	806	831	802	770	801	778

THE PEAK WIND OF 60 FROM 27/ OCCURRED ON 05/19/75

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
#THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

NAME: K. I. SAWYER AFB MI
TC: +05

PERIOD OF RECORD: 6202-6806,6807-8807
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
SSW 59 27/ 60	19/ 54	23/ 56	18/ 43	SSW 43	29/ 54	N 57	36/ 49		27/ 60
809	834	806	831	802	770	801	778	803	9634

FROM 27/ OCCURRED ON 05/19/75

ASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
00 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: 620
LST TO UTC: +05 MONTH: ALL HOURS: A

MONTH	WIND SPEEDS IN KNOTS										
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65
JAN	.2	5.2	15.0	25.2	24.6	15.4	8.3	4.0	1.5	.4	.0
FEB	.3	6.4	20.7	25.3	20.5	13.8	8.8	3.0	1.0	.1	.0
MAR	.0	3.6	15.3	26.9	24.5	14.6	8.2	4.7	2.0	.2	.0
APR	.0	1.2	13.2	26.1	27.7	15.6	9.8	4.2	1.9	.4	.0
MAY	.0	1.3	14.5	27.9	30.0	15.9	7.1	2.3	.7	.2	.0
JUN	.0	2.9	17.1	32.4	26.2	13.3	5.7	1.5	.9	.1	.0
JUL	.0	2.2	19.7	31.8	29.0	10.3	5.4	1.0	.5	.1	.0
AUG	.0	2.6	23.7	32.2	26.2	9.2	4.5	1.2	.4	.0	.0
SEP	.0	2.6	18.1	30.6	26.8	15.2	4.2	2.2	.4	.0	.0
OCT	.0	3.0	17.4	25.7	23.7	15.7	8.7	3.9	1.5	.4	.0
NOV	.0	4.5	17.6	29.3	21.9	14.4	7.3	2.7	1.9	.4	.0
DEC	.2	5.0	19.4	22.5	26.0	14.7	7.8	3.5	.7	.0	.0
ANNUAL	.1	3.4	17.6	26.0	25.6	14.0	7.2	2.8	1.1	.2	.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

ATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: 6202-6806,6807-8807
T TO UTC: +05 — MONTH: ALL HOURS: ALL

WIND SPEEDS IN KNOTS									MEAN	MEDIAN	TOTAL
10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	WIND	WIND	OBS
15.0	25.2	24.6	15.4	8.3	4.0	1.5	.4	.0	21.0	20.0	804
20.7	25.3	20.5	13.8	8.8	3.0	1.0	.1	.0	19.9	19.0	762
15.3	26.9	24.5	14.6	8.2	4.7	2.0	.2	.0	21.2	20.0	834
13.2	26.1	27.7	15.6	9.8	4.2	1.9	.4	.0	22.0	21.0	809
14.5	27.9	30.0	15.9	7.1	2.3	.7	.2	.0	21.1	20.0	834
17.1	32.4	26.2	13.3	5.7	1.5	.9	.1	.0	19.9	19.0	806
19.7	31.9	29.0	10.3	5.4	1.0	.5	.1	.0	19.4	19.0	831
23.7	32.2	26.2	9.2	4.5	1.2	.4	.0	.0	18.8	18.0	802
18.1	30.6	26.8	15.2	4.2	2.2	.4	.0	.0	19.8	19.0	770
17.4	25.7	23.7	15.7	8.7	3.9	1.5	.4	.0	21.1	20.0	801
17.6	29.3	21.9	14.4	7.3	2.7	1.9	.4	.0	20.4	19.0	778
19.4	22.5	26.0	14.7	7.8	3.5	.7	.0	.0	20.3	20.0	803
17.6	26.0	25.6	14.0	7.2	2.8	1.1	.2	.0	20.4	20.0	9634

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JAN HOURS: 00-0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	1.1	2.3	2.6	2.4	1.2	.1						9.6
020-040	.8	1.9	1.3	.2								4.2
050-070	1.2	.1	.2									1.5
(E) 080-100	.9	.2	.2									1.2
110-130	.3			.1								.9
140-160	.2	.1	.2									.5
(S) 170-190	1.0	2.2	2.9	1.1	.1							7.2
200-220	4.3	4.1	3.8	1.0								13.1
230-250	4.3	5.4	.6	.1								10.4
(W) 260-280	3.9	5.4	1.6	.2								11.1
290-310	2.9	6.6	2.3	.2								11.9
320-340	1.7	5.3	4.8	1.7	.3							13.9
VARIABLE												
CALM	//////////////

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

'ON NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
) UTC: + 5 — MONTH: JAN — HOURS: 00-02

-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
WIND SPEED IN KNOTS											
2.6	2.4	1.2	.1						9.6	12.1	12.0
1.3	.2								4.2	7.8	8.0
.2									1.5	3.9	3.0
.2									1.2	5.1	4.0
	.1								.9	4.9	3.0
.2									.5	6.8	7.0
.9	1.1	.1							7.2	10.1	10.0
3.4	1.0								13.1	7.4	6.0
.6	.1								10.4	5.4	5.0
1.5	.2								11.1	6.3	6.0
1.3	.2								11.9	6.9	7.0
3.3	1.7	.3							13.9	9.7	9.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	14.5	//////////	//////////
.9	7.0	1.6	.1						100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - S
LST TO UTC: + 5 MONTH: JAN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	M W
(N) 350-010	1.5	1.6	3.8	1.2	1.4							9.5	1
020-040	2.0	1.3	1.0	.4	.1							4.8	
050-070	.3	.6										1.0	
(E) 080-100	.5	.1										.6	
110-130	.4	.5	.1									1.1	
140-160	.1	.3										.4	
(S) 170-190	1.3	2.0	2.0	1.4	.4							7.7	
200-220	4.0	4.1	3.0	.8								11.5	
230-250	5.6	5.4	.5	.3								11.8	
(W) 260-280	2.0	5.5	1.0	.2								8.7	
290-310	3.7	7.2	2.3	.5								13.7	
320-340	2.9	4.3	4.7	2.5	.4							14.8	
VARIABLE													
CALM	////	////	////	////	////	////	////	////	////	////	////	14.0	//
TOTALS	24.8	32.9	18.4	7.3	2.3							100.0	

TOTAL NUMBER OF OBSERVATIONS 930

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: JAN HOURS: 03-05

	WIND SPEED IN KNOTS									
	16-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1.2	1.4							9.5	11.5	11.0
	.4	.1							4.8	7.3	6.0
									1.0	5.0	5.0
									.6	2.8	2.5
									1.1	6.0	5.0
									.4	5.3	6.0
	1.4	.4							7.7	9.8	9.5
	.8								11.8	7.3	6.0
	.3								11.8	5.5	5.0
	.2								8.7	6.6	7.0
	.5								13.7	7.0	7.0
	2.5	.4							14.8	9.8	10.0
	//								14.0	//////////	
	7.3	2.3							100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JAN HOURS: 06-0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	1.8	2.0	3.4	1.7	1.0							10.0
020-040	.3	1.2	.9	.1	.3							3.2
050-070	.6	1.3	.2									2.2
(E) 080-100	.2	.3	.1									.6
110-130	.2	.6										.9
140-160	1.0	.6										1.6
(S) 170-190	1.9	2.9	1.8	1.5	1.2	.1						9.5
200-220	4.0	4.9	2.2	.6	.1							11.8
230-250	3.7	3.4	.7	.2								8.1
(W) 260-280	3.4	5.1	.5									9.0
290-310	2.6	4.9	2.3	.5	.1							10.4
320-340	2.5	6.3	4.3	1.3	.6							16.2
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	16.5
TOTALS	22.7	33.6	17.0	6.4	3.5	.1						100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STN NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: JAN HOURS: 06-08

	WIND SPEED IN KNOTS										
-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.4	1.7	1.0							10.0	10.9	11.0
.6	.1	.3							3.2	8.9	8.5
.2									2.2	6.0	6.0
.1									.6	5.5	5.5
									.9	5.9	6.5
									1.6	4.7	4.0
.4	1.5	1.2	.1						9.5	10.7	9.0
.2	.6	.1							11.8	7.0	6.0
.1	.2								8.1	5.5	5.0
.3									9.0	5.4	6.0
.4	.5	.1							10.4	7.5	7.0
.4	1.3	.0							16.2	9.5	9.0
//////	//////	//////	//////	//////	//////	//////	//////	//////	16.5	//////	//////
.3	6.4	3.5	.1						100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JAN HOURS: 09-1

	DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N)	350-010	.6	2.6	3.9	2.7	.8	.4						11.0
	020-040	1.1	1.7	1.1	.3	.2	.1						4.5
	050-070	.8	.3	.1									1.6
(E)	080-100	.5	.3										.9
	110-130	.1	.2	.1									.4
	140-160	.5	.6	.6									1.9
(S)	170-190	2.3	2.6	2.9	1.1	1.2	.1	.1					10.2
	200-220	3.7	4.9	3.9	.1	.5							13.1
	230-250	2.3	3.9	1.4	.1	.1							7.3
(W)	260-280	2.9	4.3	1.2	.5								9.5
	290-310	2.5	4.8	1.7	.6	.1	.1						9.9
	320-340	2.0	5.6	5.3	1.6	.4							16.0
	VARIABLE												
	CALM	//////////											12.7
	TOTALS	19.9	32.8	23.2	7.0	3.3	.7	.1					100.0

TOTAL NUMBER OF OBSERVATIONS 930

...TAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

...: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
: + 5 MONTH: JAN HOURS: 09-11

	WIND SPEED IN KNOTS									
...-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
9.7	.8	.4						11.0	12.7	12.0
.3	.2	.1						4.5	9.0	8.0
								1.6	5.0	5.0
								.9	3.4	2.5
								.4	7.3	7.5
								1.9	6.8	7.0
1.1	1.2	.1	.1					10.2	10.5	10.0
.1	.5							13.1	7.8	7.0
.1	.1							8.3	6.4	6.0
.5								9.5	6.7	6.0
.6	.1	.1						9.9	7.7	7.0
1.5	.4							16.0	9.7	10.0
//								12.7	//////////	
7.0	3.3	.7	.1					100.0	7.6	8.0

...L NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JAN HOURS: 12-1

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	2.2	4.0	5.4	2.6	1.2	.4	.1					15.8
020-040	1.4	1.7	1.3	.3								4.7
050-070	1.1	.3	.2									1.6
(E) 080-100	.4	.5	.1									1.1
110-130	.9	.3										1.2
140-160	.5	.4	.9	.2								2.0
(S) 170-190	1.3	2.9	3.1	2.7	1.0							11.5
200-220	2.0	4.3	5.2	1.3	.5	.1						13.4
230-250	1.4	3.1	2.0	.3								6.9
(W) 260-280	1.7	3.1	2.9	.6	.2							8.6
290-310	1.1	4.2	3.8	1.3	.3							10.6
320-340	2.2	4.9	7.6	2.3	.5							17.5
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	////	4.9
TOTALS	16.7	29.7	32.5	11.6	3.7	.5	.1					100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
+ 5 MONTH: JAN HOURS: 12-14

WIND SPEED IN KNOTS									
-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
2.6	1.2	.4	.1					15.8	11.6	11.0
.3								4.7	8.0	7.0
								1.6	4.3	4.0
								1.1	5.5	5.0
								1.2	4.2	4.0
.2								2.0	8.8	10.0
7.7	1.0							11.5	11.1	11.0
1.3	.5	.1						13.4	10.1	10.0
.3								6.9	7.6	7.0
.6	.2							8.6	8.7	8.0
1.3	.3							10.6	9.8	10.0
2.3	.5							17.5	10.2	10.0
//								4.9	//////////	
1.5	3.7	.5	.1					100.0	9.3	10.0

NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: JAN HOURS: 1

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT %
(N) 350-010	3.1	3.3	4.3	1.6	.6	.5						13.
020-040	2.9	2.5	1.3	.4								7.
050-070	1.4	.6										2.
(E) 080-100	.9	.8	.1									1.
110-130	.2	.4										.
140-160	.4	.4	1.1	.4	.1							2.
(S) 170-190	1.6	4.6	4.6	1.3	.5	.1						13.
200-220	2.2	3.0	4.1	1.3	.1							10.
230-250	.8	4.0	1.5	.3								6.
(W) 260-280	1.1	3.1	2.0	.5	.1	.1						7.
290-310	1.9	6.1	4.1	1.0								13.
320-340	.3	5.7	6.6	2.7	.5	.1						16.
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	5.
TOTALS	17.3	34.5	29.7	10.0	1.9	.8						100.

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
GMT TO UTC: + 5 MONTH: JAN HOURS: 15-17

	WIND SPEED IN KNOTS										
	0-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
1	4.3	1.6	.6	.5						13.5	10.1	10.0
	1.3	.4								7.1	6.3	5.0
										2.0	4.4	4.0
	.1									1.7	4.7	4.5
										.6	5.0	5.0
1	1.1	.4	.1							2.5	10.5	10.0
1	4.6	1.3	.5	.1						13.3	10.3	10.0
	4.1	1.3	.1							10.6	9.3	10.0
	1.5	.3								6.6	7.8	7.0
4	2.0	.5	.1	.1						7.0	8.8	8.0
	4.1	1.0								13.1	8.5	8.0
1	6.6	2.7	.5	.1						16.3	11.0	10.5
///	///	///	///	///	///	///	///	///	///	5.5	///	///
	9.7	10.0	1.9	.8						100.0	8.7	9.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: JAN HOURS: 1

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TO
(N) 350-010	2.0	2.6	2.9	1.3	1.0	.2						10.
020-040	1.3	1.7	1.2	.3								4.
050-070	1.8	.9										2.
(E) 080-100	.5	.5	.3	.1								1.
110-130	.5	.3										.
140-160	.8	.6	1.0	.1								2.
(S) 170-190	1.8	4.0	4.5	1.4	.5							12.
200-220	3.3	4.4	3.5	.8								12.
230-250	2.2	2.5	.9									5.
(W) 260-280	2.9	3.8	.6	.2	.2							7.
290-310	4.7	5.8	1.8	.1								12.
320-340	3.5	5.5	3.5	2.0	.8							15.
VARIABLE												
CALM	//////////////

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC: + 5 MONTH: JAN HOURS: 18-20

	WIND SPEED IN KNOTS										
	14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	2.9	1.3	1.0	.2						10.0	10.1	10.0
	1.2	.3								4.5	7.5	6.5
										2.7	3.5	3.0
	.3	.1								1.5	6.6	6.0
										.9	4.3	4.0
	.0	.1								2.5	8.2	8.0
	.5	1.4	.5							12.3	9.8	10.0
	.5	.8								12.0	7.8	7.0
	.4									5.5	6.1	6.0
	.6	.2	.2							7.7	6.5	6.0
	1.2	.1								12.5	6.0	5.0
	1.3	2.0	.8							15.4	9.2	8.0
	///	///	///	///	///	///	///	///	///	12.6	///	///
	.2	6.3	2.5	.2						100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: JAN HOURS: 21

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT %
(N) 350-010	1.7	1.6	3.0	2.5	1.2	.2						10.
020-040	1.1	1.3	.5									2.
050-070	1.0	.3										1.
(E) 080-100	1.4		.1	.1	.1							1.
110-130	.3											.
140-160	1.1	.6	.3	.1								2.
(S) 170-190	1.4	2.7	3.5	1.2	.2							9.
200-220	2.6	4.2	4.3	1.1		.1						12.
230-250	3.0	3.2	1.7	.2								8.
(W) 260-280	3.3	4.5	1.6									9.
290-310	2.5	6.9	2.2	.4								11.
320-340	1.6	7.1	4.3	.9	.3	.1						14.
VARIABLE												
CALM	//////////											15.
TOTALS	21.0	32.4	22.0	6.5	1.8	.4						100.

TOTAL NUMBER OF OBSERVATIONS 930

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

F: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
+ 5 MONTH: JAN HOURS: 21-23

	WIND SPEED IN KNOTS									
	-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	2.5	1.2	.2						10.2	12.1	12.0
									2.9	6.6	5.0
									1.3	3.7	4.0
	.1	.1							1.7	5.5	3.0
									.3	3.0	3.0
	.1								2.6	6.6	6.0
	1.2	.2							9.0	10.0	10.5
	1.1		.1						12.3	8.8	9.0
	.2								8.2	6.7	6.0
									9.5	5.9	6.0
	.4								11.9	7.0	7.0
	.9	.3	.1						14.3	8.9	8.0
	///////////								15.8	///////////	
	5.5	1.3	.4						100.0	6.9	8.0

L NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSU
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFS MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: JAN HOURS:

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	T
(DEGREES)												
(N) 350-010	1.8	2.5	3.7	2.0	1.0	.2	.0					1
020-040	1.4	1.7	1.1	.3	.1	.0						
050-070	1.0	.6	.1									
(E) 080-100	.7	.3	.1	.0	.0							
110-130	.4	.3	.0	.0								
140-160	.6	.5	.6	.1	.0							
(S) 170-190	1.7	3.0	3.2	1.5	.6	.0	.0					1
200-220	3.3	4.2	3.7	.9	.2	.0						1
230-250	3.0	3.9	1.2	.2	.0							
(W) 260-280	2.7	4.4	1.4	.3	.1	.0						
290-310	2.7	5.8	2.5	.6	.1	.0						1
320-340	2.2	5.6	5.3	1.9	.5	.0						1
VARIABLE												
CALM	////////////

IND[illegible]CENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

[illegible]AME: K. I. SAWYER AFS MI PERIOD OF RECORD: AUG 73 - JUL 88
[illegible]TC: + 5 MONTH: JAN HOURS: ALL

L	WIND SPEED IN KNOTS 15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
[illegible]	2.0	1.0	.2	.0					11.2	11.4	11.0
[illegible]	.3	.1	.0						4.5	7.6	7.0
[illegible]									1.7	4.5	4.0
[illegible]	.0	.0							1.2	5.1	4.0
[illegible]	.0								.8	5.1	4.0
[illegible]	.1	.0							1.8	7.7	8.0
[illegible]	1.5	.5	.0	.0					10.1	10.3	10.0
[illegible]	.9	.2	.0						12.3	8.2	8.0
[illegible]	.2	.0							8.2	6.2	6.0
[illegible]	.3	.1	.0						9.9	6.8	6.0
[illegible]	.6	.1	.0						11.8	7.5	7.0
[illegible]	1.9	.6	.0						15.6	9.7	10.0
///	///								12.1	///////////	
	7.8	2.6	.2						100.0	7.5	8.0

[illegible]TAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSU
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: JAN HOURS:

CATEGORY A: CEILING OF 200 FEET BUT LESS THAN 1500 FEET WITH VISIBILITY OF 1/2 MILE (0800 METERS)
AND/OR
VISIBILITY OF 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CE

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	
(N) 350-010	1.5	4.9	3.2	4.6	.3	.1						
020-040	2.3	3.1	2.5	.6	.0							
050-070	1.9	1.5	.2									
(E) 080-100	1.2	.4	.3	.0	.0							
110-130	.5	.5	.0	.0								
140-160	.3	.7	1.0	.2	.0							
(S) 170-190	1.5	2.9	4.5	2.5	1.3	.1						
200-220	1.5	3.4	2.5	.5	.0	.0						
230-250	2.0	1.4	.2	.3	.0							
(W) 260-280	1.3	1.7	.2	.2	.1	.0						
290-310	1.3	1.9	1.5	.7	.1							
320-340	1.3	6.1	7.7	3.5	1.1	.0						
VARIABLE												
CALM	//////////////

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

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
IC: + 5 MONTH: JAN HOURS: ALL

THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
(4800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

	WIND SPEED IN KNOTS									
	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	4.6	.3	.1						20.1	11.5	12.0
	.6	.0							8.7	7.9	7.0
									3.6	4.9	4.0
	.3	.0							2.4	5.7	5.0
	.0								1.0	6.0	5.5
	.2	.0							2.8	8.3	8.5
	2.5	1.3	.1						12.9	11.8	12.0
	.3	.0	.0						0.6	8.7	8.0
	.3	.0							3.9	5.7	4.0
	.2	.1	.0						3.6	6.7	5.0
	.7	.1							5.4	8.9	8.0
	3.5	1.1	.0						20.2	10.9	10.0
	//////////								6.7	//////////	
	13.5	3.4	.2						100.0	9.0	10.0

TAL NUMBER OF OBSERVATIONS 2136

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: FEB HOURS: 00

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT %
(N) 350-010	3.1	3.3	4.8	1.2	.5							12.
020-040	1.1	1.5	1.3	.5	.4							4.
050-070	.1	.6	.1									.
(E) 080-100	.7	.1										.
110-130	1.1	.2										1.
140-160	1.9	1.9	.2	.2								4.
(S) 170-190	3.9	5.3	2.1	.2	.2							11.
200-220	5.3	4.4	3.5	.9	.2							14.
230-250	2.7	1.2	.5									4.
(W) 260-280	4.2	2.5	.1									6.
290-310	2.3	3.5	1.1	.2								7.
320-340	2.1	3.2	1.6	1.4		.1	.2					8.
VARIABLE												
CALM	////////////

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

E: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
+ 5 MONTH: FEB HOURS: 00-02

WIND SPEED IN KNOTS 1-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
1.2	.5							12.8	9.1	10.0
.5	.4							4.9	9.1	8.0
								.8	6.9	7.0
								.8	2.7	2.0
								1.3	3.8	3.0
.2								4.2	5.8	5.5
.2	.2							11.8	6.8	6.0
.9	.2							14.4	7.3	6.0
								4.4	4.9	4.0
								6.8	4.1	4.0
.2								7.7	6.0	6.0
1.4		.1	.2					8.7	9.2	7.5
//								21.3	//////////	
4.6	1.3	.1	.2					100.0	5.6	6.0

L NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: FEB HOURS: 03-

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTA %
(N) 350-010	2.5	4.4	4.2	1.8	.5	.1		.2	.1			13.8
020-040	1.3	1.6	1.2	.4	.4							4.8
050-070	1.2	.7										1.9
(E) 080-100	.6	.4										.9
110-130	1.1	.4										1.4
140-160	1.4	1.9	.6									3.9
(S) 170-190	3.5	4.0	3.3									10.8
200-220	5.7	4.2	3.9	.1	.2							14.1
230-250	2.6	1.5	.2									4.4
(W) 260-280	4.5	2.1	.5									7.1
290-310	3.9	3.2	.7	.2								8.0
320-340	1.9	2.6	3.1	.9	.2							8.6
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	////	20.3
TOTALS	30.1	27.0	17.7	3.4	1.3	.1		.2	.1			100.0

TOTAL NUMBER OF OBSERVATIONS 849

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

STN. NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: FEB HOURS: 03-05

WIND SPEED IN KNOTS											
1-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.2	1.8	.5	.1		.2	.1			13.8	10.4	10.0
1.2	.4	.4							4.8	8.8	8.0
									1.9	3.9	3.5
									.9	3.9	3.5
									1.4	4.4	4.0
.5									3.9	5.9	5.0
6.3									10.8	7.0	6.0
3.4	.1	.2							14.1	6.6	5.5
.2									4.4	4.5	4.0
.5									7.1	4.2	4.0
.7	.2								8.0	5.8	5.0
3.1	.9	.2							8.6	9.0	9.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	20.3	//////////	//////////
.7	3.4	1.3	.1		.2	.1			100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: FEB HOURS: 06

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT %
(N) 350-010	2.9	3.7	3.3	1.5	1.2			.2	.1			13.
020-040	.7	2.5	1.2	.5	.1							4.
050-070	1.6	.2										1.
(E) 080-100	1.1	.5										1.
110-130	1.3	.4										2.
140-160	2.0	.7	.1									2.
(S) 170-190	4.4	3.2	2.8	.6								11.
200-220	4.7	5.7	2.5	.7								13.
230-250	3.2	3.2										6.
(W) 260-280	3.3	1.1	.5									4.
290-310	3.9	3.2	.5	.5								8.
320-340	1.5	3.3	3.3	1.2	.2	.1						9.
VARIABLE												
CALM	//////////////

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
LOCAL UTC: + 5 MONTH: FEB HOURS: 06-08

WIND SPEED IN KNOTS											
0-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
3.3	1.5	1.2			.2	.1			13.0	10.7	9.0
1.2	.5	.1							4.9	8.9	8.5
									1.9	2.9	2.0
									1.5	3.6	4.0
									2.1	3.1	3.0
.1									2.8	4.3	3.5
2.5	.6								11.0	7.0	6.0
2.5	.7								13.5	6.8	6.0
									6.4	4.4	4.5
.5									4.8	4.3	4.0
.5	.5								8.2	5.9	5.0
3.3	1.2	.2	.1						9.7	9.7	9.5
//									20.1	////////////	
14.5	5.0	1.5	.1		.2	.1			100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: FEB HOURS: 09-

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT %
(N) 350-010	1.4	2.8	4.9	2.2	.8	.7	.2					13.
020-040	.9	1.8	2.0	.4	.2	.1						5.
050-070	2.0	.5	.5	.1								3.
(E) 080-100	.9	.2										1.
110-130	1.5	.5										2.
140-160	1.5	1.2	.7									3.
(S) 170-190	3.4	4.0	2.6	.9	.1							11.
200-220	3.9	6.1	3.8	1.2								15.
230-250	2.6	3.4	.9									6.
(W) 260-280	2.7	2.7	.9									6.
290-310	2.9	2.8	1.4	.7	.1							8.
320-340	1.3	4.4	4.1	.9	.2							11.
VARIABLE												
CALM	//////////											13.
TOTALS	25.0	30.4	21.8	6.4	1.4	.8	.2					100.

TOTAL NUMBER OF OBSERVATIONS 849

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

STN NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: FEB HOURS: 09-11

	WIND SPEED IN KNOTS										
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.9	2.2	.8	.7	.2					13.2	12.4	12.0
.0	.4	.2	.1						5.4	9.5	9.5
.5	.1								3.1	5.2	4.0
									1.2	3.5	3.0
									2.0	3.4	3.0
.7									3.4	5.7	5.0
.	.9	.1							11.1	7.7	7.0
.	1.2								15.0	7.9	8.0
.									6.9	5.9	5.0
.									6.4	6.0	6.0
.4	.7	.1							8.0	7.2	6.0
.1	.9	.2							11.0	9.3	9.0
//											
//									13.4	//////////	
.	6.4	1.4	.8	.2					100.0	7.1	8.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS W
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: FEB HOURS: 12-

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTA %
(N) 350-010	2.7	5.1	6.2	2.5	1.6	.4						18.5
020-040	2.2	2.4	1.2	.4	.1	.2						6.5
050-070	.5	1.3										1.8
(E) 080-100	1.1	.9										2.0
110-130	1.5	.2	.2									2.0
140-160	.3	1.8	.9									3.5
(S) 170-190	2.1	5.2	4.7	1.3	.4							13.7
200-220	1.4	6.8	2.8	1.3	.8							13.2
230-250	1.3	3.7	2.1	.2								7.3
(W) 260-280	1.5	2.5	1.4	.1								5.5
290-310	.9	2.4	3.3	1.2	.1							7.9
320-340	1.4	4.4	3.3	1.8	.6							11.4
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	6.7
TOTALS	17.4	36.7	26.1	8.8	3.6	.5						100.0

TOTAL NUMBER OF OBSERVATIONS 849

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

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
T TO UTC: + 5 — MONTH: FEB — HOURS: 12-14

DIR	WIND SPEED IN KNOTS 10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
1	6.2	2.5	1.6	.4						18.5	11.1	10.0
7	1.2	.4	.1	.2						6.5	7.6	6.0
6										1.8	6.0	6.0
3										2.0	3.9	4.0
3	.2									2.0	3.9	3.0
5	.9									3.5	6.9	7.0
9	4.7	1.3	.4							13.7	9.3	9.0
9	2.8	1.3	.8							13.2	9.8	8.0
7	2.1	.2								7.3	7.8	8.0
7	1.4	.1								5.5	7.1	7.0
10	3.3	1.2	.1							7.9	10.1	10.0
1	3.3	1.8	.6							11.4	10.2	9.0
///	///	///	///	///	///	///	///	///	///	6.7	///	///
8	26.1	9.9	3.6	.5						100.0	8.5	8.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS W
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: FEB HOURS: 15-

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	2.7	8.1	4.7	1.4	1.9	.4						19.2
020-040	3.1	6.6	2.6		.2	.1						12.6
050-070	1.3	1.8	.1									3.2
(E) 080-100	.7	.4										1.1
110-130	.7	.6										1.3
140-160	1.9	2.7	.8									5.3
(S) 170-190	1.8	5.4	4.6	1.8	.5							14.0
200-220	.8	4.7	3.7	.9	.6							10.7
230-250	1.4	2.2	1.4	.1		.2						5.4
(W) 260-280	.9	2.1	1.5	.1								4.7
290-310	1.2	2.1	2.4	.9	.1							6.7
320-340	1.2	4.2	4.2	1.8	.2							11.7
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	////	4.1
TOTALS	17.6	40.9	26.0	7.0	3.5	.7						100.0

TOTAL NUMBER OF OBSERVATIONS 849

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

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: FEB HOURS: 15-17

	WIND SPEED IN KNOTS									
	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1.4	1.9	.4						19.2	9.9	8.0
		.2	.1						12.6	7.2	6.0
									3.2	4.7	5.0
									1.1	3.4	3.0
									1.3	4.5	4.0
									5.3	6.5	6.0
	1.8	.5							14.0	9.7	9.0
	.9	.6							10.7	10.2	9.0
	.1		.2						5.4	8.3	8.0
	.1								4.7	7.2	6.5
	.9	.1							6.7	9.4	10.0
	1.8	.2							11.7	10.1	10.0
									4.1		
	7.0	3.5	.7						100.0	8.4	8.0

TAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AU
LST TO UTC: + 5 MONTH: FEB HOURS:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	
(N) 350-010	4.9	4.9	3.2	1.3	1.1	.1						
020-040	4.7	3.8	.5		.4							
050-070	4.6	2.5										
(E) 080-100	2.4	.4										
110-130	.9	.1										
140-160	2.2	3.1	.2									
(S) 170-190	2.4	5.1	2.4	1.9	.7	.1						1
200-220	2.1	4.7	1.[illegible]	.6	.6							
230-250	1.2	1.[illegible]	.2	.4								
(W) 260-280	1.6	.2	.7									
290-310	3.2	3.1	2.0	.5	.1							
320-340	2.0	4.7	3.1	1.3	.2							1
VARIABLE												
CALM	//////////////

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
T TO UTC: + 5 MONTH: FEB HOURS: 18-20

WIND SPEED IN KNOTS									TOTAL %	MEAN WIND	MEDIAN WIND
10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
3.2	1.3	1.1	.1						15.5	8.4	7.0
.5		.4							9.3	5.5	4.0
									7.1	4.0	4.0
									2.7	3.3	3.0
									1.1	2.7	2.0
.2									5.5	5.3	6.0
2.4	1.9	.7	.1						12.5	9.3	8.0
1.[illegible]	.6	.6							9.8	8.4	8.0
.2	.4								3.5	6.8	6.0
.7									2.6	5.5	4.0
2.0	.5	.1							8.8	7.2	6.0
3.1	1.3	.2							11.3	8.8	8.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	10.2	//////////	//////////
14.1	6.0	3.1	.2						100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	3.2	3.8	4.1	1.3	.9							13.3
020-040	2.4	1.1	.7		.4							4.5
050-070	1.9	.6	.1									2.6
(E) 080-100	1.4	.1										1.5
110-130	2.1	.1										2.2
140-160	2.1	2.1	.2									4.5
(S) 170-190	2.9	6.0	2.4	.7	.6							12.6
200-220	4.1	3.3	3.1	1.4	.1							12.0
230-250	2.0	1.2	.2	.1								3.5
(W) 260-280	2.4	2.0	.2									4.6
290-310	3.2	2.8	1.4	.9								8.4
320-340	3.1	4.0	2.2	.6	.4							10.2
VARIABLE												
CALM	//////////////

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

TION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: FEB HOURS: 21-23

WIND SPEED IN KNOTS											
10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
4.1	1.3	.9							13.3	9.4	9.0
.7		.4							4.5	6.6	4.0
.1									2.6	4.1	3.5
									1.5	3.3	3.0
									2.2	3.4	3.0
.2									4.5	5.2	5.0
2.4	.7	.6							12.6	8.2	7.0
3.1	1.4	.1							12.0	8.0	8.0
.2	.1								3.5	4.8	4.0
.2									4.6	4.6	4.0
1.4	.9								8.4	7.1	6.0
2.2	.6	.4							10.2	7.8	7.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	20.0	//////////	//////////
14.6	5.0	2.4							100.0	5.8	6.0

TOTAL NUMBER OF OBSERVATIONS 849

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: FEB HOURS: A

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TO
(N) 350-010	2.9	4.6	4.4	1.6	1.1	.2	.0	.1	.0			14
020-040	2.0	2.7	1.3	.3	.3	.1						6
050-070	1.6	1.0	.1	.0								2
(E) 080-100	1.1	.4										1
110-130	1.3	.3	.0									1
140-160	1.7	1.9	.5	.0								4
(S) 170-190	3.0	4.8	3.1	.9	.3	.0						12
200-220	3.5	5.0	3.1	.9	.3							12
230-250	2.1	2.3	.7	.1		.0						5
(W) 260-280	2.7	1.9	.7	.0								5
290-310	2.7	2.9	1.6	.6	.1							8
320-340	1.9	3.8	3.1	1.2	.3	.0	.0					10
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	////	14
TOTALS	26.4	31.5	18.6	5.6	2.4	.3		.1				100

TOTAL NUMBER OF OBSERVATIONS 6792

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

ATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
T TO UTC: + 5 — MONTH: FEB HOURS: ALL

WIND SPEED IN KNOTS											
10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
4.4	1.6	1.1	.2	.0	.1	.0			14.9	10.2	10.0
1.3	.3	.3	.1						6.6	7.6	7.0
.1	.0								2.8	4.4	4.0
									1.5	3.5	3.0
.0									1.7	3.6	3.0
.5	.0								4.2	5.7	5.0
3.1	.9	.3	.0						12.2	8.2	8.0
3.1	.9	.3							12.8	8.0	8.0
.7	.1		.0						5.2	6.0	5.0
.7	.0								5.3	5.3	5.0
1.6	.6	.1							8.0	7.3	6.0
3.1	1.2	.3	.0	.0					10.3	9.3	9.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	14.5	//////////	//////////
18.6	5.6	2.4	.3		.1				100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 6792

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(DEGREES)												%
(N) 350-010	3.1	6.3	8.3	3.2	.9	.2						22.0
020-040	3.4	4.4	3.0	.3	.2							11.2
050-070	1.6	1.0	.1									2.7
(E) 080-100	1.6	.8										2.3
110-130	1.6	.6	.1									2.3
140-160	2.1	3.4	1.4	.1								6.9
(S) 170-190	2.3	4.8	3.9	1.3	.5							12.8
200-220	2.6	5.1	2.5	.8	.5							11.5
230-250	1.7	1.1	.1									2.9
(W) 260-280	1.0	.5										1.5
290-310	1.5	1.0	1.2	1.4								5.0
320-340	1.0	3.1	4.8	2.2	.2							11.4
VARIABLE												
CALM	//////////											7.4
TOTALS	23.5	32.1	25.4	9.3	2.3	.2						100.0

TOTAL NUMBER OF OBSERVATIONS 1671

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC: + 5 MONTH: FEB HOURS: ALL

CEILING LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY LESS THAN 1 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

	WIND SPEED IN KNOTS										
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.3	3.2	.9	.2						22.0	10.4	10.0
.8	.3	.2							11.2	7.4	7.0
.1									2.7	4.4	4.0
									2.3	3.7	4.0
.1									2.3	4.3	4.0
.4	.1								6.9	6.6	6.0
.9	1.3	.5							12.8	9.2	9.0
.5	.8	.5							11.5	8.5	8.0
.1									2.9	4.5	4.0
									1.5	3.9	4.0
.2	1.4								5.0	9.8	10.0
.	2.2	.2							11.4	10.8	11.0
////	////	////	////	////	////	////	////	////	7.4	////	////
.4	9.3	2.3	.2						100.0	8.0	8.0

TOTAL NUMBER OF OBSERVATIONS 1671

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: MAR HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	3.3	3.5	6.6	2.8	1.6	.6	.1					18.6
020-040	1.5	3.3	1.9	.9	.2							7.8
050-070	1.3	1.2	.2									2.7
(E) 080-100	1.0	.1	.3									1.4
110-130	1.0	1.7	.2									2.9
140-160	.8	1.2	.8									2.7
(S) 170-190	3.3	4.7	2.3	1.0	.8							12.6
200-220	3.8	5.7	1.8	.9	.1							12.3
230-250	1.7	1.4	.3									3.4
(W) 260-280	1.3	.9	.3		.1							3.1
290-310	2.6	3.3	.5	.1	.1	.1						6.8
320-340	1.3	3.2	3.4	.2								8.2
VARIABLE												
CALM	//////////											17.5
TOTALS	23.4	30.2	19.1	5.9	2.9	.7	.1					100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

ION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: MAR HOURS: 00-02

	WIND SPEED IN KNOTS										
0-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
6.6	2.8	1.6	.6	.1					18.6	11.6	12.0
1.9	.9	.2							7.8	8.8	8.0
.2									2.7	4.8	5.0
.3									1.4	5.2	4.0
.2									2.9	6.0	6.0
.8									2.7	7.4	6.0
2.3	1.0	.8							12.6	8.6	8.0
1.2	.9	.1							12.3	7.1	6.0
.3									3.4	5.3	4.5
.3		.1							3.1	5.1	4.0
.5	.1	.1	.1						6.8	6.1	5.0
1.4	.2								8.2	8.5	8.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	17.5	//////////	//////////
19.1	5.9	2.9	.7	.1					100.0	6.8	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: MAR HOURS: 03-0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	2.4	3.5	4.7	3.4	1.6	.4	.4					16.6
020-040	.9	3.9	1.9	.5	.2							7.4
050-070	1.1	1.3	.5									2.9
(E) 080-100	.8	.6	.3	.1								1.8
110-130	.3	1.2	.1									2.0
140-160	.3	2.3	.2	.1								2.9
(S) 170-190	2.3	5.7	1.9	1.3	.3							12.0
200-220	4.1	4.3	2.4	.4								11.2
230-250	2.5	.4	.3									3.2
(W) 260-280	2.9	1.0	.4	.1								4.4
290-310	2.5	2.7	.5	.2								5.9
320-340	2.5	4.4	3.0	.5	.2							10.6
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	18.9
TOTALS	23.6	31.3	16.2	6.6	2.3	.4	.4					100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: MAR — HOURS: 03-05

WIND SPEED IN KNOTS											
10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
4.7	3.4	1.6	.4	.4					16.6	12.1	11.0
1.9	.5	.2							7.4	8.5	8.0
.5									2.9	6.0	6.0
.3	.1								1.8	6.5	6.0
.1									2.0	5.4	5.0
.2	.1								2.9	7.1	8.0
1.9	1.3	.3							12.0	8.2	7.5
2.4	4								11.2	6.6	6.0
.3									3.2	4.4	4.0
.4	.1								4.4	4.8	4.0
.5	.2								5.9	5.7	5.0
3.0	.5	.2							10.6	8.1	8.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	18.9	//////////	//////////
15.2	6.6	2.3	.4	.4					100.0	6.5	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: MAR HOURS: 06

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT %
(N) 350-010	1.9	3.8	5.8	2.8	1.8	.3	.5	.1				17.1
020-040	2.2	3.4	2.2	.6	.2							8.6
050-070	1.1	1.0										2.0
(E) 080-100	.6	1.2	.5									2.4
110-130	.8	.9	.5									2.2
140-160	1.0	1.1	.9									2.6
(S) 170-190	3.9	3.4	3.4	.9	.1							11.7
200-220	4.3	4.1	2.4	.4								11.2
230-250	2.0	1.1	.3	.3								3.7
(W) 260-280	2.2	1.7										3.9
290-310	2.5	2.9	.8		.1							6.2
320-340	1.4	3.3	3.9	1.0								9.6
VARIABLE												
CALM	//////////////

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: MAR HOURS: 06-08

WIND SPEED IN KNOTS 15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
2.8	1.8	.3	.5	.1				17.1	12.5	12.0
.6	.2							8.6	7.9	7.0
								2.0	4.7	4.0
								2.4	6.7	6.0
								2.2	6.8	8.0
								2.8	6.5	6.5
.9	.1							11.7	8.0	8.0
.4								11.2	6.7	6.5
.3								3.8	5.8	4.0
								3.9	4.3	4.0
	.1							6.2	6.2	5.0
1.0								9.6	9.3	10.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	18.6	//////////	//////////
5.0	2.2	.3	.5	.1				100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: MAR HOURS: 09-

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTA %
(N) 350-010	1.6	6.3	6.9	5.8	2.4	.9	.2					24.1
020-040	1.2	3.0	2.7	1.3								8.2
050-070	1.9	2.2	.8									4.9
(E) 080-100	1.2	.8	.2									2.2
110-130	.4	1.8	.1									2.4
140-160	1.1	2.3	1.5	.1								4.9
(S) 170-190	2.3	4.9	4.6	1.7	.1							13.7
200-220	1.8	4.4	2.9	1.1	.2							10.4
230-250	1.1	2.2	1.9	.3	.3	.1						5.9
(W) 260-280	.8	2.4	.5									3.8
290-310	.5	2.6	1.3	.6								5.1
320-340	.6	2.7	4.6	1.4	.1							9.9
VARIABLE												
CALM	//////////////

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

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: MAR HOURS: 09-11

	WIND SPEED IN KNOTS									
	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	5.8	2.4	.9	.2					24.1	12.9	12.0
	1.3								8.2	9.2	9.0
									4.8	6.0	6.0
									2.2	5.0	4.0
									2.4	6.3	7.0
	.1								4.9	7.5	7.5
	1.7	.1							13.7	9.4	9.0
	1.1	.2							10.4	8.7	8.0
	.3	.3	.1						5.5	8.5	7.0
									3.8	6.9	7.0
	.6								5.1	9.4	8.0
	1.4	.1							9.5	10.7	10.0
///	///	///	///	///	///	///	///	///	5.6	///	///
	12.3	3.1	1.0	.2					100.0	9.2	9.0

TAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL
LST TO UTC: + 5 MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEA WI
(N) 350-010	1.8	4.6	8.3	6.6	2.7	.9	.3					25.4	13.
020-040	1.9	5.7	4.1	.5								12.3	8.
050-070	1.3	2.0	.4	.1								3.9	6.
(E) 080-100	.5	1.3	.1	.2								2.2	7.
110-130	.6	1.8	.2									2.7	6.
140-160	1.1	2.3	1.5	.1	.1							5.1	7
(S) 170-190	2.2	5.5	5.3	2.8	.6							16.3	10
200-220	.6	2.2	3.5	1.3	.9							8.5	12
230-250	.4	1.8	1.4	.3	.1	.1						4.2	9
(W) 260-280	.6	1.0	1.5	.5	.2							3.9	10
290-310	.5	1.5	2.7	.3	.2							5.3	10
320-340	.3	2.0	3.4	1.6	.3							7.7	11
VARIABLE													
CALM	//////////											2.7	///
TOTALS	11.8	31.9	32.4	14.3	5.1	1.0	.3					100.0	10

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: MAR HOURS: 12-14

	WIND SPEED IN KNOTS									
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.3	6.6	2.7	.9	.3					25.4	13.3	13.0
.1	.5								12.3	8.2	8.0
.4	.1								3.9	6.1	5.0
.1	.2								2.2	7.2	6.5
.2									2.7	6.1	7.0
.5	.1	.1							5.1	7.9	8.0
.3	2.8	.6							16.3	10.4	10.0
.5	1.3	.9							8.5	12.0	12.0
.4	.3	.1	.1						4.2	9.6	8.0
.5	.5	.2							3.9	10.2	10.0
.7	.3	.2							5.3	10.4	10.0
.4	1.6	.3							7.7	11.6	12.0
//////	//////	//////	//////	//////	//////	//////	//////	//////	2.7	//////	//////
.4	14.3	5.1	1.0	.3					100.0	10.3	10.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: MAR HOURS: 15-17

	DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N)	350-010	.8	5.9	7.3	4.7	2.9	.5	.3					23.0
	020-040	1.6	10.3	7.1	.8	.1							19.9
	050-070	1.4	2.5	.6									4.5
(E)	080-100	.4	1.6	.2									2.3
	110-130	1.0	1.2										2.2
	140-160	1.2	3.4	1.9	.4								7.0
(S)	170-190	1.3	4.0	4.7	3.1	.3	.1						13.5
	200-220	.2	2.2	3.4	1.8	.5							8.2
	230-250	.5	.9	1.2	.1								2.7
(W)	260-280	.5	.5	.5	.1	.6	.1						2.5
	290-310	.1	1.9	2.7	.6	.2							5.6
	320-340	.1	1.5	3.1	1.5	.2							6.5
	VARIABLE												
	CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	2.3
	TOTALS	9.1	35.9	33.2	13.1	4.8	.7	.3					100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

CN NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
D UTC: + 5 MONTH: MAR HOURS: 15-17

WIND SPEED IN KNOTS											
-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
7.8	4.7	2.9	.5	.3					23.0	13.2	12.0
7.1	.8	.1							19.9	8.8	8.0
.5									4.5	6.4	6.0
.2									2.3	6.7	6.0
									2.2	5.0	5.5
1.2	.4								7.0	8.2	8.0
9.7	3.1	.3	.1						13.5	11.4	11.0
5.4	1.8	.5							8.2	11.9	12.0
1.2	.1								2.7	8.6	7.0
.5	.1	.6	.1						2.5	12.3	10.0
3.7	.6	.2							5.6	11.1	10.0
3.1	1.5	.2							6.5	11.9	10.5
//									2.3	//////////	
83.2	13.1	4.8	.7	.3					100.0	10.3	10.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AU
LST TO UTC: + 5 MONTH: MAR HOURS:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	
(N) 350-010	2.7	4.5	5.3	3.7	1.6	.4	.5	.1				
020-040	3.9	10.4	4.5	.3	.1							
050-070	3.4	2.7	.1									
(E) 080-100	1.9	1.9										
110-130	.4	1.5										
140-160	1.3	3.8	1.8	.4								
(S) 170-190	.9	4.4	5.7	1.5	.6							
200-220	1.1	2.6	1.7	.5	.1							
230-250	.4	.5	1.3	.1								
(W) 260-280	.5	.9	.6	.2	.1							
290-310	.6	2.0	2.0	.3								
320-340	.6	3.8	4.2	1.0								
VARIABLE												
CALM	//////////											
TOTALS	17.6	39.0	27.2	8.0	2.5	.4	.5	.1				1

TOTAL NUMBER OF OBSERVATIONS 930

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

F: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
+ 5 MONTH: MAR HOURS: 18-20

	WIND SPEED IN KNOTS									
	-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	3.7	1.6	.4	.5	.1				18.8	12.1	11.0
	.3	.1							19.1	7.5	7.0
									6.2	4.4	4.0
									3.9	4.6	4.5
									1.9	6.0	7.0
	.4								7.3	7.7	8.0
	1.5	.6							13.1	10.6	10.0
	.5	.1							6.0	8.7	7.0
	.1								2.4	9.1	10.5
	.2	.1							2.4	8.6	8.5
	.3								5.1	9.3	9.0
	1.0								9.6	9.8	10.0
	////	////	////	////	////	////	////	////	4.2	////	////
	3.0	2.5	.4	.5	.1				100.0	8.6	8.0

AL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	3.0	5.1	3.8	3.0	1.4	1.0	.2					17.4
020-040	1.7	4.2	1.7	1.1	.2							8.9
050-070	1.2	1.0	.1									2.3
(E) 080-100	1.0	1.5	.1	.1								2.7
110-130	1.2	1.4	.5									3.1
140-160	2.3	1.7	1.1	.2								5.3
(S) 170-190	2.9	5.1	4.4	1.4	.6							14.4
200-220	2.0	3.9	3.2									9.1
230-250	.9	1.0	.5		.1							2.5
(W) 260-280	2.2	1.0	.2									3.3
290-310	1.7	2.3	.5	.8								5.3
320-340	2.5	4.9	2.5	.6								10.5
VARIABLE												
CALM	//////////////

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

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: MAR HOURS: 21-23

WIND SPEED IN KNOTS								TOTAL	MEAN	MEDIAN
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	%	WIND	WIND
3.0	1.4	1.0	.2					17.4	11.5	10.0
1.1	.2							8.9	8.4	8.0
								2.3	5.0	4.0
.1								2.7	5.7	5.0
								3.1	6.0	5.0
.2								5.3	6.4	5.0
1.4	.6							14.4	9.3	8.5
								9.1	7.4	8.0
	.1							2.5	7.5	8.0
								3.3	4.2	3.0
.3								5.3	7.3	6.0
.6								10.5	7.6	7.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	15.2	//////////	//////////
7.2	2.3	1.0	.2					100.0	7.1	7.0

TAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: MAR HOURS: ALL

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(DEGREES)												%
(N) 350-010	2.2	4.7	6.1	4.1	2.0	.6	.3	.0				20.1
020-040	1.8	5.5	3.3	.8	.1							11.5
050-070	1.6	1.7	.3	.0								3.7
(E) 080-100	.9	1.1	.2	.1								2.3
110-130	.8	1.4	.2									2.4
140-160	1.1	2.2	1.2	.2	.0							4.7
(S) 170-190	2.4	4.7	4.1	1.7	.4	.0						13.4
200-220	2.2	3.7	2.7	.8	.2							9.6
230-250	1.2	1.2	.9	.1	.1	.0						3.5
(W) 260-280	1.4	1.2	.5	.1	.1	.0						3.4
290-310	1.4	2.4	1.4	.4	.1	.0						5.6
320-340	1.2	3.2	3.5	1.0	.1							9.0
VARIABLE												
CALM	//////////////

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

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: MAR HOURS: ALL

WIND SPEED IN KNOTS										
15-19	20-24	25-29	30-34	35-39	40-49	50-64	OR 65	TOTAL %	MEAN WIND	MEDIAN WIND
4.1	2.0	.6	.3	.0				20.1	12.5	12.0
.8	.1							11.5	8.3	8.0
.0								3.7	5.4	5.0
.1								2.3	5.8	5.0
								2.4	6.0	6.0
.2	.0							4.7	7.5	7.0
1.7	.4	.0						13.4	9.5	9.0
.8	.2							9.6	8.4	8.0
.1	.1	.0						3.5	7.4	6.0
.1	.1	.0						3.4	6.8	5.0
.4	.1	.0						5.6	8.1	7.0
1.0	.1							9.0	9.5	10.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	10.6	//////////	//////////
9.3	3.1	.6	.3					100.0	8.2	8.0

TAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	2.5	7.5	11.5	9.8	3.8	.2						35.3
020-040	2.4	7.1	6.9	2.1	.3							18.8
050-070	1.5	1.3	.5	.1								3.5
(E) 080-100	1.1	1.4	.1	.1								2.7
110-130	.6	1.4	.2									2.2
140-160	.9	2.1	1.9	.3								5.3
(S) 170-190	1.4	3.3	4.0	1.6	.7	.1						11.0
200-220	.7	2.0	2.7	.7								6.1
230-250	.4	.2	.2	.2								.9
(W) 260-280	.5	.4	.1									1.0
290-310	.6	1.3	.1									2.0
320-340	.4	3.2	3.4	1.2	.1							8.3
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	////	2.9
TOTALS	13.9	31.2	31.6	16.1	4.9	.3						100.0

TOTAL NUMBER OF OBSERVATIONS 1873

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

ME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 — MONTH: MAR HOURS: ALL

THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
(0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND DIRECTION	WIND SPEED IN KNOTS 16-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
12.	9.8	3.8	.2						35.3	12.6	13.0
9.	2.1	.3							18.8	9.4	9.0
5.	.1								3.5	5.8	5.0
5.	.1								2.7	5.5	5.0
5.									2.2	6.0	6.0
8.	.3								5.3	8.4	8.0
10.	1.6	.7	.1						11.0	10.9	10.0
9.	.7								6.1	9.6	10.0
7.	.2								.9	7.6	5.5
5.									1.0	5.4	5.0
6.									2.0	6.6	7.0
10.	1.2	.1							8.3	10.6	10.0
..											
///	//								2.9	//////////	
0.	16.1	4.9	.3						100.0	10.1	10.0

TAL NUMBER OF OBSERVATIONS 1873

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: APR HOURS: 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TO
(N) 350-010	3.4	6.8	4.1	2.1	1.0	.1						17
020-040	2.7	6.0	2.6	1.1	.3	.1						12
050-070	.3	1.2										1
(E) 080-100	.4	.3										
110-130	.4	1.9	.6									2
140-160	.6	2.2	.3	.1								3
(S) 170-190	1.7	5.3	2.1									9
200-220	3.6	5.1	1.7	.4								10
230-250	1.4	1.0										2
(W) 260-280	1.2	.4	.2									1
290-310	4.0	2.2		.1	.2	.1						6
320-340	3.6	2.4	1.1	.3	.3	.2						8
VARIABLE												
CALM	//////////////

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: APR HOURS: 00-02

WIND SPEED IN KNOTS 15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
2.1	1.0	.1						17.6	9.3	8.0
1.1	.3	.1						12.8	8.3	7.0
								1.6	5.2	5.0
								.8	4.0	3.0
								2.9	7.1	7.0
.1								3.2	6.8	6.0
								9.6	7.5	8.0
.4								10.8	6.8	6.0
								2.4	4.8	4.0
								1.9	4.9	4.0
.1	.2	.1						6.7	5.4	4.0
.3	.3	.2						8.0	6.9	5.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	21.9	//////////	//////////
4.1	1.8	.5						100.0	5.8	6.0

TAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: APR HOURS: 03-9

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	4.4	5.7	4.1	3.1	1.0	.1						18.4
020-040	2.3	5.8	2.7	.6								11.8
050-070	1.4	1.1		.1								2.7
(E) 080-100	.8	.3		.1	.1							1.8
110-130	.3	1.6	.2	.1								2.2
140-160	.7	1.8	.4									2.9
(S) 170-190	3.3	2.3	2.9		.1							9.1
200-220	4.9	5.9	.4	.3								11.6
230-250	1.9	1.9										3.9
(W) 260-280	1.4	.6										2.0
290-310	2.3	1.8	.2	.4	.2							5.4
320-340	1.9	3.8	1.4	.2	.3							7.7
VARIABLE												
CALM	//////////////

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

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: APR HOURS: 03-05

	WIND SPEED IN KNOTS									
	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	3.1	1.0	.1						18.4	9.6	8.0
	.6								11.8	7.5	7.0
	.1								2.7	5.1	4.0
	.1	.1							1.8	6.5	5.0
	.1								2.2	7.6	8.0
									2.9	6.2	6.0
		.1							9.1	6.9	7.0
	.3								11.6	5.7	6.0
									3.8	4.7	4.5
									2.0	4.1	4.0
	.4	.2							5.4	6.3	4.0
	.2	.3							7.7	7.7	6.0
////	////	////	////	////	////	////	////	////	20.7	////	////
	4.9	1.7	.1						100.0	5.7	6.0

TAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 75
LST TO UTC: + 5 MONTH: APR HOURS: 06-0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	6.0	6.7	5.2	3.2	1.3							22.4
020-040	2.0	3.6	2.4	.9	.2							9.1
050-070	.9	1.8		.1								2.8
(E) 080-100	.7	1.4										2.1
110-130	.6	1.2	.4	.3								2.6
140-160	.7	2.4	.4									3.6
(S) 170-190	2.4	3.0	2.3	.2	.1							8.1
200-220	4.1	4.9	1.4	.3	.1							10.9
230-250	1.6	2.3	.1									4.0
(W) 260-280	1.7	1.1	.4									3.2
290-310	2.0	2.2	.3	.1	.6							5.2
320-340	3.1	2.3	2.1	.8	.2	.1						8.7
VARIABLE												
CALM	////////////

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: APR HOURS: 06-08

WIND SPEED IN KNOTS										
16-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
3.2	1.3							22.4	9.0	8.0
.9	.2							9.1	8.6	8.0
.1								2.8	6.0	5.0
								2.1	5.4	6.0
.3								2.6	7.9	6.0
								3.6	6.6	6.0
.2	.1							8.1	7.7	8.0
.3	.1							10.9	6.3	6.0
								4.0	5.2	5.0
								3.2	5.4	4.0
.1	.6							5.2	7.0	5.0
.8	.2	.1						8.7	8.2	7.5
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	17.3	//////////	
5.9	2.5	.1						100.0	6.3	7.0

TAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - J
LST TO UTC: + 5 MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	M
(N) 350-010	2.6	6.2	8.4	4.0	2.3	.2						23.8	1
020-040	1.9	7.7	5.9	1.2	.1							16.7	
050-070	1.1	1.3	.3									2.6	
(E) 080-100	2.1	1.4	.3									3.9	
110-130	1.7	.9	.7	.2								3.4	
140-160	.9	2.3	1.0	.1								4.3	
(S) 170-190	1.7	4.7	4.0	1.1	.2							11.7	
200-220	1.3	4.6	2.4	.8	.2	.1						9.4	
230-250	.7	.6	1.8									3.0	
(W) 260-280	.6	1.0	1.2	.1								2.9	
290-310	.8	2.4	1.2	.3								4.8	
320-340	1.0	2.4	3.0	1.3	.6	.3						8.7	1
VARIABLE													
CALM	////	////	////	////	////	////	////	////	////	////	////	4.7	//
TOTALS	16.4	35.5	30.1	9.1	3.4	.6						100.0	

TOTAL NUMBER OF OBSERVATIONS 900

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

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: APR HOURS: 09-11

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
4.0	2.3	.2						23.8	11.5	11.0
1.2	.1							16.7	8.8	8.0
								2.6	5.7	6.0
								3.9	4.8	4.0
.2								3.4	6.4	5.0
.1								4.3	7.4	8.0
1.1	.2							11.7	9.3	9.0
.9	.2	.1						9.4	8.8	8.0
								3.0	9.0	10.0
.1								2.9	8.6	9.0
.3								4.8	8.1	7.0
1.3	.6	.3						8.7	11.6	11.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	4.7	//////////	
9.1	3.4	.6						100.0	8.9	9.0

TAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	1.2	5.1	9.7	4.2	2.8	.1						23.1
020-040	1.9	8.6	9.4	1.2	.1							21.1
050-070	1.4	2.0	.7									4.1
(E) 080-100	1.0	1.0										2.0
110-130	2.0	.9	1.1									4.0
140-160	1.4	3.0	2.9	.7								8.0
(S) 170-190	1.0	4.0	5.1	1.6	.4							12.1
200-220	1.1	2.9	1.8	.8	.4							7.0
230-250	.8	.8	.6	.7	.1							2.9
(W) 260-280	.6	.9	1.0	.1								2.6
290-310	.2	1.4	1.2	.6	.3							3.8
320-340	.4	1.2	3.1	1.3	.9							7.0
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	////	2.3
TOTALS	12.9	31.8	36.6	11.2	5.0	.1						100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

E: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
+ 5 MONTH: APR HOURS: 12-14

WIND SPEED IN KNOTS										
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
4.2	2.8	.1						23.1	12.6	12.0
1.2	.1							21.1	9.4	10.0
								4.1	5.6	5.0
								2.0	4.5	4.5
								4.0	6.3	4.5
.7								8.0	9.0	9.0
1.6	.4							12.1	10.4	10.0
.8	.4							7.0	9.5	9.0
.7	.1							2.9	9.9	8.5
.1								2.6	8.3	9.0
.6	.3							3.8	10.6	10.0
1.3	.9							7.0	12.6	12.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	2.3	//////////	//////////
11.2	5.0	.1						100.0	9.9	10.0

AL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	.3	4.1	10.9	5.4	1.6							22.3
020-040	2.0	13.9	10.2	2.0	.2							28.3
050-070	1.2	3.4	1.2									5.9
(E) 080-100	.3	1.1	.1									2.0
110-130	.7	1.2	.7	.1								2.7
140-160	.7	3.0	2.2	1.1	.3	.1						7.4
(S) 170-190	.3	4.3	5.4	1.7	.1							11.9
200-220	.7	1.4	1.7	.4								4.2
230-250	.3	1.0	.8	.4	.2							2.8
(W) 260-280		.6	.4	.2								1.2
290-310	.3	.9	1.7	.6	.3							3.8
320-340	.3	.8	2.9	1.7	.7	.2	.2					6.8
VARIABLE												
CALM	////////////

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

E: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
: + 5 MONTH: APR HOURS: 15-17

WIND SPEED IN KNOTS								TOTAL	MEAN	MEDIAN
-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	%	WIND	WIND
5.4	1.6							22.3	12.8	13.0
2.0	.2							28.3	9.4	9.0
								5.9	6.8	6.0
								2.0	5.4	5.0
.1								2.7	7.6	8.0
1.1	.3	.1						7.4	10.3	10.0
1.7	.1							11.9	10.6	10.0
.4								4.2	9.5	9.5
.4	.2							2.8	11.0	11.0
.2								1.2	10.6	12.0
.6	.3							3.8	11.6	11.0
1.7	.7	.2	.2					6.8	13.8	13.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	.7	//////////	
13.5	3.4	.3	.2					100.0	10.5	10.0

L NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	2.2	9.7	7.7	2.6	.6							22.7
020-040	3.7	12.6	4.2	.7	.7							21.8
050-070	4.6	4.2	.1	.1								9.0
(E) 080-100	1.4	1.4	.6	.1								3.6
110-130	1.6	1.1	.4									3.1
140-160	1.4	4.6	1.9	.4								8.3
(S) 170-190	.3	5.0	4.6	1.2	.2							11.3
200-220	.4	.8	1.6	.3								3.1
230-250	.2	.6	.7		.1							1.6
(W) 260-280	.7	.3	.2									1.2
290-310	.8	1.2	.4	.2	.2							2.9
320-340	.9	3.3	3.9	1.1	.3	.3						9.9
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	////	1.6
TOTALS	19.2	44.8	26.3	6.7	2.1	.3						100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

ME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: APR HOURS: 18-20

WIND SPEED IN KNOTS 15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
2.6	.6							22.7	9.7	9.0
.7	.7							21.8	7.9	7.0
.1								9.0	5.0	4.0
.1								3.6	5.9	5.0
								3.1	5.2	4.5
.4								8.3	7.8	7.0
1.2	.2							11.3	10.1	10.0
.3								3.1	9.5	10.0
	.1							1.6	9.1	9.5
								1.2	5.1	4.0
.2	.2							2.9	8.4	6.5
1.1	.3	.3						9.9	10.4	10.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	1.6	//////////	//////////
6.7	2.1	.3						100.0	8.3	8.0

TAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: APR HOURS: 2

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TO
(N) 350-010	5.2	7.1	4.6	2.2	.2							19.
020-040	3.3	5.4	1.8	.6	1.0							12.
050-070	2.6	1.2	.3	.1								4.
(E) 080-100	1.9	.9	.2									3.
110-130	1.3	1.4	.1									2.
140-160	1.6	2.7	.4	.2								4.
(S) 170-190	2.6	6.2	4.2	.4								13.
200-220	1.3	3.2	1.4	.2								6.
230-250	1.6	.3	.1	.1								2.
(W) 260-280	.9	.9	.2									2.
290-310	3.2	2.4	.1									5.
320-340	3.7	3.9	1.1	.2	.4	.2						9.
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	////	14.
TOTALS	39.7	35.6	14.5	4.0	1.6	.2						100.

TOTAL NUMBER OF OBSERVATIONS 900

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC: + 5 MONTH: APR HOURS: 21-23

	WIND SPEED IN KNOTS										
	1-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
		2.2	.2							19.3	8.1	7.5
	1.4	.6	1.0							12.1	7.9	6.0
	.3	.1								4.2	4.4	4.0
	.2									3.0	4.5	4.0
	.1									2.9	4.9	5.0
	.4	.2								4.9	6.3	6.0
	.2	.4								13.4	7.9	8.0
	1.4	.2								6.7	7.1	6.5
	.1	.1								2.1	4.1	3.0
	.2									2.0	5.6	5.5
	.1									5.8	4.2	4.0
	1.1	.2	.4	.2						9.6	7.0	5.5
	////	////	////	////	////	////	////	////	////	14.0	////	////
	.6	4.0	1.6	.2						100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 ←
LST TO UTC: + 5 MONTH: APR HOURS: ALL

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(DEGREES)												%
(N) 350-010	3.2	6.4	6.8	3.4	1.3	.1						21.2
020-040	2.5	7.9	4.9	1.0	.3	.0						16.7
050-070	1.7	2.0	.3	.1								4.1
(E) 080-100	1.1	1.1	.2	.0	.0							2.4
110-130	1.1	1.3	.5	.1								3.0
140-160	1.0	2.3	1.2	.3	.0	.0						5.3
(S) 170-190	1.7	4.5	3.8	.8	.2							10.9
200-220	2.2	3.6	1.6	.5	.1	.0						8.0
230-250	1.1	1.1	.5	.2	.1							2.8
(W) 260-280	.9	.7	.5	.1								2.1
290-310	1.9	1.8	.7	.3	.2	.0						4.8
320-340	1.9	2.5	2.3	.9	.5	.2	.0					8.3
VARIABLE												
CALM	//////////											10.4
TOTALS	20.2	35.7	23.3	7.7	2.7	.3						100.0

TOTAL NUMBER OF OBSERVATIONS 7200

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

ON NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: APR HOURS: ALL

	WIND SPEED IN KNOTS										
-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.8	3.4	1.3	.1						21.2	10.4	10.0
4.9	1.5	.3	.0						16.7	8.6	8.0
.3	.1								4.1	5.5	5.0
.2	.0	.0							2.4	5.2	5.0
.5	.1								3.0	6.5	6.0
1.2	.3	.0	.0						5.3	8.0	7.0
4.-	.9	.2							10.9	8.9	9.0
1.5	.5	.1	.0						8.0	7.4	7.0
.5	.2	.1							2.8	7.1	6.0
.5	.1								2.1	6.6	6.0
.7	.3	.2	.0						4.8	7.3	6.0
1.3	.9	.5	.2	.0					8.3	9.6	8.5
////	////	////	////	////	////	////	////	////	10.4	////	////
3.3	7.7	2.7	.3						100.0	7.7	8.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	
(N) 350-010	2.6	8.3	11.2	6.0	2.0	.1						30.2	1
020-040	2.3	6.8	5.4	1.9	1.1	.1						17.6	
050-070	.9	2.4	.3	.2								3.8	
(E) 080-100	1.3	2.4	.4	.1								4.2	
110-130	.6	1.5	1.2									3.3	
140-160	.9	3.0	1.5	.2	.2	.1						5.9	
(S) 170-190	.9	4.9	3.3	.8	.2							10.1	
200-220	.9	2.5	1.0	.1								4.5	
230-250	.4	.4	.1									.8	
(W) 260-280	.5	.6	.3									1.4	
290-310	1.5	1.5	.9	.3								4.2	
320-340	1.4	2.9	3.8	.9	.8	.5	.2					10.5	1
VARIABLE													
CALM	//////////////

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

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC: + 5 — MONTH: APR HOURS: ALL

LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

	WIND SPEED IN KNOTS										
0-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
1.2	6.0	2.0	.1						30.2	11.2	11.0
.4	1.9	1.1	.1						17.6	9.9	9.0
.3	.2								3.8	6.3	5.5
.4	.1								4.2	6.0	6.0
1.2									3.3	7.4	8.0
1.5	.2	.2	.1						5.9	8.6	8.0
3.3	.8	.2							10.1	9.3	9.0
1.0	.1								4.5	7.1	7.0
.1									.8	5.9	5.0
.3									1.4	6.3	6.0
.9	.3								4.2	7.1	6.0
2.4	.9	.8	.5	.2					10.5	11.7	11.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	3.5	//////////	//////////
9.4	10.5	4.3	.8	.2					100.0	9.3	9.0

TOTAL NUMBER OF OBSERVATIONS 1107

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: MAY HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	8.4	5.9	3.2	.6								18.2
020-040	1.4	2.8	.9	.1								5.2
050-070	.8	.9										1.6
(E) 080-100	.4	.1										.5
110-130	.3	.8	.2									1.3
140-160	1.3	1.6	.6									3.6
(S) 170-190	3.1	6.6	2.3	.2								12.2
200-220	5.5	4.7	1.6									11.8
230-250	1.8	.8	.6									3.2
(W) 260-280	.6	1.4	.9	.1								3.0
290-310	1.3	1.2	.6									3.1
320-340	3.0	1.7	.5									5.3
VARIABLE												
CALM	////////////

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

ME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
: + 5 MONTH: MAY HOURS: 00-02

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
.6								18.2	6.1	5.0
.1								5.2	6.9	7.0
								1.6	4.9	5.0
								.5	2.6	2.0
								1.3	6.2	6.0
								3.5	6.2	6.0
.2								12.2	6.7	6.0
								11.8	5.2	5.0
								3.2	5.4	4.0
.1								3.0	7.5	7.5
								3.1	5.7	6.0
								5.3	4.6	4.0
//////////								31.1	//////////	
1.0								100.0	4.1	6.0

TAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	6.2	6.3	4.2	.6	.1							17.5
020-040	2.3	3.4	.9	.1								6.6
050-070	.6	.5										1.2
(E) 080-100	.2	.2										.4
110-130	.3	.5										.9
140-160	1.4	2.3	.6									4.3
(S) 170-190	3.2	5.2	1.2	.2								9.8
200-220	4.7	5.7	.3	.1								11.3
230-250	3.3	.8	.3	.1								4.5
(W) 260-280	2.3	1.1	.6	.2								4.2
290-310	1.9	.9	.3	.1								3.2
320-340	2.4	2.2	1.4	.1								6.0
VARIABLE												
CALM	//////////////

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

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: MAY HOURS: 03-05

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
.5	.1							17.5	6.9	6.0
.1								6.6	6.0	6.0
								1.2	4.0	4.0
								.4	5.5	5.0
								.9	4.8	5.0
								4.3	6.1	6.0
.2								9.8	6.3	6.0
.1								11.3	5.2	5.0
.1								4.5	4.3	3.0
.2								4.2	5.6	4.0
.1								3.2	5.3	4.0
.1								6.0	6.3	6.0
//////////								30.1	//////////	
1.5	.1							100.0	4.2	5.0

TAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: MAY HOURS: 06-09

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	3.6	6.8	5.1	.8	.3	.1						16.6
020-040	3.0	4.7	1.9	.2	.1							10.0
050-070	1.1	.5										1.6
(E) 080-100	.5	.9										1.4
110-130	.3	1.5	.2									2.0
140-160	1.4	1.9	.4									3.8
(S) 170-190	2.9	5.7	2.2	.3								11.1
200-220	6.8	5.1	1.5	.2								13.5
230-250	2.3	1.6	.9									4.7
(W) 260-280	3.1	1.5	.3	.1								5.1
290-310	2.7	1.4	.3									4.4
320-340	1.5	2.6	2.2	.2								6.5
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	19.4
TOTALS	29.1	34.2	15.0	1.9	.4	.1						100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: MAY HOURS: 06-08

WIND SPEED IN KNOTS 15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.8	.3	.1						16.6	8.2	8.0
.2	.1							10.0	6.9	7.0
								1.6	3.9	4.0
								1.4	5.4	6.0
								2.0	6.4	6.0
								3.8	6.0	6.0
.3								11.1	7.0	7.0
.2								13.5	5.4	4.5
								4.7	5.4	5.0
.1								5.1	4.8	4.0
								4.4	4.6	3.0
.2								6.5	7.5	7.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	19.4	//////////	//////////
1.3	.4	.1						100.0	5.2	6.0

TAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: MAY HOURS: 09-

	DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N)	350-010	1.0	4.7	6.0	3.2	.8							15.7
	020-040	3.2	8.8	5.1	1.1								18.2
	050-070	2.2	1.7	.3									4.2
(E)	080-100	1.5	1.2										2.7
	110-130	1.2	.9										2.0
	140-160	2.2	3.4	1.4									7.0
(S)	170-190	1.6	7.3	5.4	1.1	.2							15.6
	200-220	3.5	5.4	2.6	.6								12.2
	230-250	1.6	2.3	.6	.6								5.1
(W)	260-280	1.1	2.2	1.6	.1								4.9
	290-310	.3	2.7	1.2									4.6
	320-340	.5	2.6	1.7	.6	.1							5.6
	VARIABLE												
	CALM	//////////////

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

STN NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME UTC: + 5 MONTH: MAY HOURS: 09-11

	WIND SPEED IN KNOTS										
	1-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	.2	3.2	.8							15.7	11.0	10.0
	.1	1.1								18.2	8.0	8.0
	.3									4.2	4.9	4.0
										2.7	4.4	4.0
										2.0	4.4	4.0
	1.4									7.0	6.4	6.0
	.4	1.1	.2							15.6	9.1	9.0
	.4	.6								12.2	7.1	7.0
	.1	.6								5.1	7.8	7.0
	1.1	.1								4.9	7.7	8.0
	1.2									4.6	7.4	8.0
	.7	.6	.1							5.6	9.5	9.0
	///	///	///	///	///	///	///	///	///	2.3	///	///
	.3	7.3	1.1							100.0	8.0	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS W
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: MAY HOURS: 12-

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTA %
(N) 350-010	.3	3.0	5.7	2.4	1.3	.2						13.3
020-040	2.7	10.3	11.1	1.2	.1							25.4
050-070	2.2	3.8	1.2	.1								7.2
(E) 080-100	1.0	1.1	.1									2.2
110-130	1.1	1.3	.6									3.0
140-160	1.1	3.3	1.8	.1	.1							6.5
(S) 170-190	1.9	5.9	7.6	.9	.5	.3						17.2
200-220	.8	3.3	2.7	1.1	.5							8.4
230-250	.9	1.2	1.9	.4								4.4
(W) 260-280	.5	1.3	.3	.1								2.4
290-310	.8	1.8	1.4									4.0
320-340	.4	1.9	2.0	1.0								5.4
VARIABLE												
CALM	//////////////

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: MAY HOURS: 12-14

	WIND SPEED IN KNOTS										
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.7	2.4	1.3	.2						13.3	12.3	12.0
.1	1.2	.1							25.4	9.1	9.0
.2	.1								7.2	6.5	6.0
.1									2.2	5.3	5.5
.3									3.0	6.1	6.0
.4	.1	.1							6.5	7.6	7.0
.5	.9	.5	.3						17.2	10.2	10.0
.7	1.1	.5							8.4	10.3	10.0
.3	.4								4.4	9.0	10.0
.3	.1								2.4	6.7	6.5
.4									4.0	7.7	8.0
.9	1.0								5.4	10.1	10.0
////	////	////	////	////	////	////	////	////	.8	////	////
.4	7.3	2.5	.5						100.0	9.2	9.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "AW"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL
LST TO UTC: + 5 MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEA WIN
(N) 350-010	.2	3.3	6.9	3.2	1.0							13.6	12.
020-040	2.7	16.3	14.7	1.5								35.3	9.
050-070	1.7	6.1	1.3	.2								9.4	7.
(E) 080-100	.3	1.1	.1	.1								1.6	6.
110-130	.4	.8	.1									1.3	5.
140-160	1.1	3.7	4.7	.3	.1							9.9	9.
(S) 170-190	.5	4.4	6.7	1.3	.4							13.5	10.
200-220	.2	2.6	1.5	.5	.4							5.3	10.
230-250	.5	.8	1.1	.3	.1	.1						2.9	9.
(W) 260-280		.4	1.0		.1							1.5	10.
290-310	.5	.5	.4		.1							1.6	7.
320-340	.2	1.6	1.4	.4	.1							3.8	10.
VARIABLE													
CALM	//////////////

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: MAY HOURS: 15-17

	WIND SPEED IN KNOTS									
4	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
3	3.2	1.0							13.8	12.3	12.0
7	1.5								35.3	9.1	9.0
4	.2								9.4	7.1	7.0
1	.1								1.6	6.9	6.0
1									1.3	5.3	5.0
7	.3	.1							9.9	9.5	10.0
7	1.3	.4							13.5	10.8	11.0
	.5	.4							5.3	10.5	9.0
1	.3	.1	.1						2.9	9.9	10.0
		.1							1.5	10.5	10.0
4		.1							1.6	7.9	6.0
4	.4	.1							3.8	10.3	10.0
////	////	////	////	////	////	////	////	////	.2	////	////
	7.8	2.3	.1						100.0	9.7	9.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - J
LST TO UTC: + 5 MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	M
(N) 350-010	3.4	6.2	4.9	1.3	.6							16.6	
020-040	5.7	17.4	5.7	.8								29.6	
050-070	5.6	4.7	.3									10.6	
(E) 080-100	1.6	.9										2.5	
110-130	1.1	.9										1.9	
140-160	2.9	6.3	2.6	.2								12.0	
(S) 170-190	1.0	5.1	4.5	1.7	.4							12.7	1
200-220	.5	1.0	1.3	.3								3.2	
230-250	.1	1.0	.6	.1								1.8	
(W) 260-280	.2	.4	.6									1.3	
290-310	.2	1.1	.9									2.2	
320-340	.3	.9	1.4	.3	.1							3.0	1
VARIABLE													
CALM	////////////

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

M NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
) UTC: + 5 MONTH: MAY HOURS: 18-20

-14	WIND SPEED IN KNOTS 15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.9	1.3	.6							16.6	8.9	8.0
.7	.8								29.6	7.2	7.0
.4									10.6	4.8	4.0
									2.5	4.0	3.0
									1.9	4.8	4.0
.6	.2								12.0	7.0	7.0
.5	1.7	.4							12.7	10.2	10.0
.3	.3								3.2	9.1	9.5
.6	.1								1.8	8.8	9.0
.3									1.3	8.8	10.0
.7									2.2	8.3	8.5
.4	.3	.1							3.0	10.3	10.0
///	///	///	///	///	///	///	///	///	2.6	///	///
.7	4.7	1.1							100.0	7.5	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	9.9	6.7	2.7	.9								20.1
020-040	3.2	2.7	1.1	.1								7.1
050-070	2.3	1.0	.1									3.3
(E) 080-100	1.1	.3										1.4
110-130	1.0	.8										1.7
140-160	3.0	2.8	.5									6.3
(S) 170-190	4.5	9.0	3.3	.6	.1							17.6
200-220	2.5	2.9	1.0	.1								6.5
230-250	1.4	.5	.5	.1								2.6
(W) 260-280	1.3	.3		.1								1.7
290-310	.9	1.1	.1									2.0
320-340	2.8	2.5	.4	.1								5.8
VARIABLE												
CALM	////////////

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

ION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 MONTH: MAY HOURS: 21-23

WIND SPEED IN KNOTS											
0-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
2.7	.9								20.1	5.7	5.0
1.1	.1								7.1	5.6	5.0
.1									3.3	3.8	4.0
									1.4	3.1	2.0
									1.7	4.3	4.0
.5									6.3	5.4	5.0
4.3	.6	.1							17.6	7.1	7.0
1.0	.1								6.5	6.0	6.0
.9	.1								2.6	5.6	4.0
	.1								1.7	3.9	2.0
.1									2.0	5.2	5.0
.4	.1								5.8	5.4	5.0
//									23.8	//////////	
9.7	2.0	.1							100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: MAY HOURS: ALL

		WIND SPEED IN KNOTS										
	DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N)	350-010	4.2	5.4	4.7	1.6	.5	.0						16.5
	020-040	3.0	4.3	5.1	.6	.0							17.2
	050-070	2.0	2.4	.4	.0								4.9
(E)	080-100	.3	.7	.0	.0								1.6
	110-130	.7	.9	.1									1.8
	140-160	1.8	3.2	1.6	.1	.0							6.7
(S)	170-190	2.4	6.1	4.1	.8	.2	.0						13.7
	200-220	3.1	3.8	1.6	.4	.1							9.0
	230-250	1.5	1.1	.8	.2	.0	.0						3.7
(W)	260-280	1.2	1.1	.7	.1	.0							3.0
	290-310	1.1	1.3	.7	.0	.0							3.1
	320-340	1.4	2.0	1.4	.3	.0							5.2
	VARIABLE												
	CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	13.8
	TOTALS	23.2	36.3	21.2	4.1	.8							100.0

TOTAL NUMBER OF OBSERVATIONS 7440

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: MAY HOURS: ALL

WIND SPEED IN KNOTS										
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.7	1.6	.5	.0						16.5	8.6	8.0
.1	.6	.0							17.2	3.0	8.0
.4	.0								4.9	5.5	5.0
.	.0								1.6	4.7	4.0
.1									1.8	5.4	5.0
.	.1	.0							6.7	7.1	7.0
.1	.8	.2	.0						13.7	8.6	8.0
.	.4	.1							9.0	6.8	6.0
.	.2	.0	.0						3.7	6.9	6.0
.7	.1	.0							3.0	6.6	6.0
.7	.0	.0							3.1	6.4	6.0
.4	.3	.0							5.2	7.7	7.0
////	////	////	////	////	////	////	////	////	13.8	////	////
.2	4.1	.8							100.0	6.5	7.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	2.9	10.8	9.9	3.0	1.6	.1						28.2
020-040	3.1	8.5	3.2	.8								15.6
050-070	2.1	.7										2.8
(E) 080-100	1.2	1.3		.1								2.7
110-130	1.1	2.2	.6									3.9
140-160	2.2	5.3	1.0									8.5
(S) 170-190	1.3	7.1	4.0	.4		.1						13.0
200-220	1.9	5.4	1.2	.2								8.8
230-250	.9	1.2	.4									2.6
(W) 260-280	.7	.4	.9	.1								2.1
290-310	.8	1.1	.2									2.1
320-340	.7	2.2	1.9	.4								5.2
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	////	4.6
TOTALS	18.9	46.2	23.3	5.0	1.6	.2						100.0

TOTAL NUMBER OF OBSERVATIONS 901

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

ION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
D UTC: + 5 — MONTH: MAY HOURS: ALL

LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

1-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
9.9	3.0	1.6	.1						28.2	10.3	10.0
1.2	.8								15.6	7.5	7.0
									2.8	3.7	3.0
	.1								2.7	5.1	5.0
.5									3.9	6.3	6.0
1.1									8.5	6.2	6.0
4.2	.4		.1						13.0	8.5	8.0
1.2	.2								8.8	6.8	6.0
.4									2.6	6.3	6.0
.9	.1								2.1	7.5	9.0
.2									2.1	6.1	6.0
1.9	.4								5.2	8.6	8.0
////	////	////	////	////	////	////	////	////	4.6	////	////
3.3	5.0	1.6	.2						100.0	7.7	8.0

TOTAL NUMBER OF OBSERVATIONS 901

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	5.7	2.9	3.1	.1								11.8
020-040	1.1	1.2	.2									2.6
050-070	.9	.6										1.4
(E) 080-100	.2											.2
110-130	.7	.2										.9
140-160	1.0	1.1	.4									2.6
(S) 170-190	3.9	7.3	3.9	.2								15.2
200-220	7.2	7.2	2.1	.4								17.0
230-250	3.2	1.1	.1									4.4
(W) 260-280	3.3	1.1	.2									4.7
290-310	4.2	1.0										5.2
320-340	3.2	1.9	1.0									6.1
VARIABLE												
CALM	////////////

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

TION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 MONTH: JUN HOURS: 00-02

WIND SPEED IN KNOTS									TOTAL %	MEAN WIND	MEDIAN WIND
-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
3.1	.1								11.8	6.3	5.0
.2									2.6	5.0	5.0
									1.4	3.5	3.0
									.2	3.5	3.5
									.9	3.5	3.0
.4									2.6	6.1	7.0
3.5	.2								15.2	7.0	7.0
2.1	.4								17.0	5.8	5.0
.1									4.4	4.0	4.0
.2									4.7	3.9	3.0
									5.2	3.6	3.0
1.0									6.1	5.4	4.0
//									27.9	//////////	
10.9	.7								100.0	4.0	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	6.3	3.1	2.8	.2								12.4
020-040	1.7	2.6	.1		.1							4.4
050-070	.4	.1										.6
(E) 080-100		.1										.1
110-130	.4	.4										.9
140-160	.9	1.2	.4									2.6
(S) 170-190	4.6	6.0	2.3	.3								13.2
200-220	6.6	6.2	1.9	.2								14.9
230-250	3.4	1.3	.2									5.0
(W) 260-280	4.4	1.3	.2									6.0
290-310	5.2	2.4	.1									7.8
320-340	4.4	1.4	.3		.1							6.3
VARIABLE												
CALM	//////////////

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: JUN HOURS: 03-05

WIND SPEED IN KNOTS 15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.2								12.4	5.9	4.0
	.1							4.4	5.9	5.0
								.6	3.4	3.0
								.1	5.0	5.0
								.9	4.6	5.0
								2.6	6.0	6.0
.3								13.2	6.7	6.0
.2								14.9	5.7	5.0
								5.0	3.9	3.0
								6.0	3.6	3.0
								7.3	4.0	4.0
	.1							6.3	4.2	3.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	25.8	//////////	//////////
.7	.2							100.0	3.9	4.0

TAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: JUN HOURS: 06

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT. %
(N) 350-010	3.2	4.8	3.0	.4	.2							11.
020-040	2.3	4.2	.9	.2								7.
050-070	1.0	.6	.1									1.7
(E) 080-100	.7	.2										.9
110-130	.7											.7
140-160	2.0	1.8	.6		.1							4.4
(S) 170-190	3.1	7.4	3.2	.3								14.1
200-220	5.6	3.4	3.6	.4								13.0
230-250	4.2	3.0	.8									8.0
(W) 260-280	3.8	2.6	.7									7.0
290-310	4.3	3.6	.9	.2								9.0
320-340	3.7	3.0	1.3									8.0
VARIABLE												
CALM	//////////////

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

N NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: JUN HOURS: 06-08

	WIND SPEED IN KNOTS										
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.0	.4	.2							11.7	7.5	8.0
.9	.2								7.7	6.2	6.0
.1									1.7	4.1	3.0
									.9	3.3	3.0
									.7	2.8	2.5
.6		.1							4.4	6.1	5.0
.2	.3								14.1	7.2	7.0
.8	.4								13.0	6.5	5.0
.4									8.0	5.0	4.0
.7									7.0	4.8	4.0
.9	.2								9.0	5.4	5.0
.3									8.0	5.6	5.5
////	////	////	////	////	////	////	////	////	13.9	////////	////
.1	1.5	.3							100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: JUN HOURS: 09

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT %
(N) 350-010	1.6	6.0	4.3	1.3	.1							13.
020-040	2.4	6.2	2.9	.4								12.
050-070	2.2	2.6	.2									5.
(E) 080-100	1.3	.8										2.
110-130	.9	.6										1.
140-160	.9	1.2	1.1	.1								3.
(S) 170-190	2.4	5.0	6.1	1.2	.2							15.
200-220	2.8	4.4	5.4	1.3	.2							14.
230-250	2.1	4.6	2.3	.3	.3							9.
(W) 260-280	1.1	3.4	.9									5.
290-310	1.6	3.3	2.1	.4								7.
320-340	1.6	3.3	3.3	.3								8.
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	////	1.
TOTALS	21.4	41.6	28.6	5.3	.8							100.

TOTAL NUMBER OF OBSERVATIONS 900

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: JUN HOURS: 09-11

WIND SPEED IN KNOTS										
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
1.3	.1							13.3	9.2	9.0
.4								12.0	7.6	7.0
								5.0	5.0	5.0
								2.6	3.9	4.0
								1.7	4.5	4.0
.1								3.3	7.6	7.5
1.2	.2							15.0	9.3	10.0
1.3	.2							14.2	9.0	9.0
.3	.3							9.7	7.8	7.0
								5.4	6.8	6.0
.4								7.4	8.0	7.0
.3								8.6	8.4	8.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	1.8	//////////	//////////
5.3	.8							100.0	7.9	8.0

TAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JUN HOURS: 12-1

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	.9	3.8	4.8	1.2								10.7
020-040	2.7	13.0	4.8	.6	.1							21.1
050-070	2.3	4.8	.9									8.0
(E) 080-100	.9	.7										1.6
110-130	1.4	.9	.2									2.6
140-160	.6	1.4	1.8	.6	.2							4.6
(S) 170-190	1.9	3.7	6.1	2.0	.3	.1						14.1
200-220	1.0	5.1	4.8	1.4	.4	.1						12.9
230-250	1.1	2.7	3.1	.7	.2							7.8
(W) 260-280	.4	1.6	1.4	.4	.1							4.0
290-310	.3	2.2	2.6	.4	.1							5.7
320-340	1.1	2.4	2.4	.4	.3							6.8
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	.3
TOTALS	14.6	42.3	32.9	7.7	1.7	.2						100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

E: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
+ 5 MONTH: JUN HOURS: 12-14

WIND SPEED IN KNOTS										
-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
1.2								10.7	10.1	10.0
.6	.1							21.1	7.9	8.0
								8.0	6.2	6.0
								1.6	4.4	4.0
								2.6	4.8	4.0
.5	.2							4.6	10.0	10.0
2.0	.3	.1						14.1	10.4	10.0
1.4	.4	.1						12.9	10.2	10.0
.7	.2							7.8	9.2	10.0
.4	.1							4.0	9.1	9.5
.4	.1							5.7	9.6	10.0
.4	.3							6.8	9.4	9.0
//								.3	//////////	
7.7	1.7	.2						100.0	8.9	8.0

L NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

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

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	3.4	7.0	4.0	.3	.2							15.0
020-040	7.3	11.4	3.7	.2								22.7
050-070	4.9	4.8	.3									10.0
(E) 080-100	2.2	.9	.1									3.2
110-130	1.0	.7										1.7
140-160	1.1	4.2	3.2	.3								8.9
(S) 170-190	.9	5.9	5.4	1.6	.3							14.1
200-220	1.1	2.7	2.3	.9	.2							7.2
230-250	.9	1.3	.4		.2							2.9
(W) 260-280	.8	1.1	.4	.1								2.4
290-310	.8	2.4	2.2	.4								5.9
320-340	.6	1.4	1.8	.3								4.1
VARIABLE												
CALM	////////////

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

ION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: JUN HOURS: 18-20

WIND SPEED IN KNOTS									TOTAL %	MEAN WIND	MEDIAN WIND
0-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
4.0	.3	.2							15.0	7.4	7.0
3.7	.2								22.7	6.3	6.0
.3									10.0	4.9	5.0
.1									3.2	4.1	4.0
									1.7	4.1	4.0
3.2	.3								8.9	8.2	8.0
5.4	1.6	.3							14.1	10.0	10.0
2.3	.9	.2							7.2	9.5	9.0
.4		.2							2.9	7.5	7.0
.4	.1								2.4	7.1	6.5
2.2	.4								5.9	8.9	9.0
1.2	.3								4.1	9.0	10.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	1.9	//////////	//////////
23.8	4.1	.9							100.0	7.3	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JUN HOURS: 21-2

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	8.6	2.8	2.3	.6								14.2
020-040	3.1	2.1	.3	.2								5.8
050-070	1.8	.4										2.2
(E) 080-100	1.2	.2										1.4
110-130	1.2	.2										1.4
140-160	1.7	3.8	.4									5.9
(S) 170-190	4.9	9.4	4.7	.3								19.3
200-220	3.6	5.1	2.2	.1								11.0
230-250	1.7	.6	.2									2.4
(W) 260-280	2.2	.9										3.1
290-310	2.6	1.6	.2									4.3
320-340	4.0	2.1	1.1	.1								7.3
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	////	21.4
TOTALS	36.5	29.2	11.4	1.3								100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: JUN HOURS: 21-23

WIND SPEED IN KNOTS										
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.6								14.2	5.2	3.0
.2								5.8	5.2	4.0
								2.2	3.5	4.0
								1.4	2.8	2.0
								1.4	3.2	3.0
								5.9	5.9	6.0
.3								19.3	7.3	8.0
.1								11.0	6.4	6.0
								2.4	4.4	4.0
								3.1	3.6	3.0
								4.3	4.3	4.0
.1								7.3	5.1	4.0
//////////								21.4	//////////	
1.3								100.0	4.4	5.0

AL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIN
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 — MONTH: JUN — HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	3.8	4.2	3.5	.7	.1	.0						12.3
020-040	2.9	7.3	2.8	.3	.0							13.4
050-070	2.0	2.3	.4									4.7
(E) 080-100	1.0	.5	.0									1.5
110-130	.9	.5	.1									1.4
140-160	1.1	2.2	1.3	.3	.1							4.9
(S) 170-190	2.9	6.0	4.5	1.1	.1	.0						14.6
200-220	3.6	4.7	3.3	.8	.2	.0						12.6
230-250	2.2	2.0	1.2	.2	.1	.0						5.7
(W) 260-280	2.1	1.6	.6	.1	.0							4.5
290-310	2.4	2.3	1.4	.3	.0							6.4
320-340	2.3	2.1	1.5	.2	.1							6.4
VARIABLE												
CALM	//////////											11.6
TOTALS	27.2	35.7	20.7	4.0	.7							100.0

TOTAL NUMBER OF OBSERVATIONS 7200

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

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: JUN HOURS: ALL

WIND SPEED IN KNOTS									
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.7	.1	.0						12.3	7.6	7.0
.3	.0							13.4	7.2	7.0
								4.7	5.4	5.0
								1.5	4.0	4.0
								1.4	4.3	4.0
.3	.1							4.9	7.8	8.0
1.1	.1	.0						14.6	8.5	8.0
.6	.2	.0						12.6	7.8	7.0
.2	.1	.0						5.7	6.7	6.0
.1	.0							4.5	5.8	5.0
.3	.0							6.4	6.7	6.0
.2	.1							6.4	7.0	6.0
////	////	////	////	////	////	////	////	11.6	////	////
4.0	.7							100.0	6.4	7.0

TAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING G

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	1.7	6.1	11.1	2.7	.8	.2						22.6
020-040	2.3	3.1	2.7	.7	.2							14.0
050-070	2.0	1.3										3.3
(E) 080-100	.3	.2										.5
110-130	.7	.8										1.5
140-160	.8	1.2	2.8	.5								5.3
(S) 170-190	2.2	6.5	7.5	.3								16.4
200-220	1.8	5.5	5.3	.5	.2							13.3
230-250	1.3	1.2	.5		.2							3.2
(W) 260-280	1.0	1.2	.3									2.5
290-310	1.0	1.2										2.2
320-340	2.0	4.5	2.5	.7	.7							10.3
VARIABLE												
CALM	//////////											5.0
TOTALS	17.1	37.8	32.7	5.4	2.1	.2						100.0

TOTAL NUMBER OF OBSERVATIONS 602

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

ION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: JUN HOURS: ALL

IT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

	WIND SPEED IN KNOTS										
)-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
11.1	2.7	.8	.2						22.6	10.9	11.0
2.7	.7	.2							14.0	7.8	8.0
									3.3	4.0	4.0
									.5	4.3	3.0
									1.5	4.8	5.0
2.8	.5								5.3	9.7	10.0
7.5	.3								16.4	8.9	9.0
5.3	.5	.2							13.3	8.7	8.0
.5		.2							3.2	6.4	6.0
.3									2.5	5.5	5.0
									2.2	5.0	5.0
2.5	.7	.7							10.3	8.9	8.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	5.0	//////////	
42.7	5.4	2.1	.2						100.0	8.3	8.0

TOTAL NUMBER OF OBSERVATIONS 602

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: JUL HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	4.8	2.8	1.4									9.0
020-040	2.0	.9	.5									3.4
050-070	.9	.1										1.0
(E) 080-100	.9	.1										1.0
110-130	.6											.6
140-160	1.1	.5										1.6
(S) 170-190	5.9	2.9	1.4									10.2
200-220	8.6	7.0	2.3									17.8
230-250	4.0	2.5	.3									6.8
(W) 260-280	3.0	.9										3.9
290-310	2.6	1.4	.2									4.2
320-340	3.7	1.2	.2									5.1
VARIABLE												
CALM	//////////											35.4
TOTALS	38.1	20.3	6.3									100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: JUL HOURS: 00-02

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
								9.0	5.1	4.0
								3.4	5.4	4.0
								1.0	3.0	3.0
								1.0	2.8	2.0
								.6	1.8	1.5
								1.6	3.7	3.0
								10.2	5.0	4.0
								17.8	5.4	5.0
								6.8	4.3	4.0
								3.9	3.0	2.5
								4.2	4.2	4.0
								5.1	3.7	2.0
//								35.4	////////////	
								100.0	3.0	4.0

TAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - J
LST TO UTC: + 5 MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	M W
(N) 350-010	5.1	3.2	1.5	.1								9.9	
020-040	1.6	.6	.3									2.6	
050-070	.5	.3										.9	
(E) 080-100	.8	.2										1.0	
110-130	.4	.2										.6	
140-160	.8	.3										1.1	
(S) 170-190	4.0	3.2	1.4									8.6	
200-220	8.4	6.2	.8	.1								15.5	
230-250	3.8	2.0	.1									5.9	
(W) 260-280	3.5	.5	.1									4.2	
290-310	2.8	1.3										4.1	
320-340	4.0	2.3	.5									6.8	
VARIABLE													
CALM	//////////////

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

N NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: JUL HOURS: 03-05

WIND SPEED IN KNOTS									TOTAL %	MEAN WIND	MEDIAN WIND
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
.5	.1								9.9	5.4	4.0
.3									2.6	5.0	4.0
									.9	4.4	4.0
									1.0	3.4	3.0
									.6	3.3	3.5
									1.1	4.0	4.0
.4									8.6	5.8	5.0
.3	.1								15.5	4.8	4.0
.1									5.9	4.1	4.0
.1									4.2	3.2	3.0
									4.1	3.5	3.0
.5									6.8	4.1	3.0
///	///	///	///	///	///	///	///	///	38.9	///	///
.7	.2								100.0	2.8	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: JUL HOURS: 06-0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	3.5	5.4	2.3	.3								11.5
020-040	2.3	1.2	.4									3.9
050-070	.8	.3										1.1
(E) 080-100	.4	.4										.9
110-130	.6	.3										1.0
140-160	.9	1.0										1.8
(S) 170-190	3.4	3.2	1.5									8.2
200-220	7.6	8.8	1.8									18.3
230-250	5.1	4.1										9.1
(W) 260-280	3.7	1.9										5.6
290-310	3.2	2.4	.1									5.7
320-340	4.6	2.9	.4									8.0
VARIABLE												
CALM	////////////

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: JUL HOURS: 06-08

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
.3								11.5	6.8	7.0
								3.9	5.0	4.0
								1.1	3.9	4.0
								.9	3.5	4.0
								1.0	3.6	3.0
								1.8	4.7	5.0
								8.2	5.9	5.0
								18.3	5.5	5.0
								9.1	4.3	4.0
								5.6	3.8	3.0
								5.7	4.2	4.0
								8.0	4.5	4.0
////////////

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	1.5	4.8	3.4	.5	.1							10.4
020-040	4.1	6.7	2.8									13.5
050-070	1.9	2.3	.2									4.9
(E) 080-100	1.5	.9										2.4
110-130	1.6	.8										2.4
140-160	1.5	1.6	.1									3.2
(S) 170-190	2.5	5.3	2.5	.3								10.5
200-220	2.6	9.6	4.1	.6								16.9
230-250	2.7	5.8	3.7	.2								12.4
(W) 260-280	2.3	4.4	1.2	.1								8.0
290-310	1.6	3.1	1.5	.1								6.3
320-340	1.4	2.8	1.5	.4								6.1
VARIABLE												
CALM	//////////											2.9
TOTALS	25.2	48.6	21.0	2.2	.1							100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: JUL HOURS: 09-11

	WIND SPEED IN KNOTS									
	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
8	.5	.1							10.4	8.5	9.0
6									13.5	6.6	6.0
5									4.9	5.1	5.0
3									2.4	3.7	3.0
3									2.4	3.8	4.0
5									3.2	5.1	5.0
7	.3								10.5	7.3	7.0
7	.6								16.9	7.7	7.0
7	.2								12.4	7.7	8.0
6	.1								8.0	6.3	6.0
6	.1								6.3	6.9	7.0
7	.4								6.1	7.6	7.0
	////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: JUL HOURS: 12

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT
(N) 350-010	.5	2.3	4.4	.5								7.
020-040	3.1	13.4	5.6	.5								22.
050-070	2.9	4.3	.1									7.
(E) 080-100	1.1	1.1										2.
110-130	1.3	.6										1.
140-160	1.3	1.1	.3									2.
(S) 170-190	1.7	5.5	4.2	1.4	.1							12.
200-220	1.8	5.9	8.1	1.4	.1	.1						17.
230-250	1.9	3.2	3.5	.5								9.
(W) 260-280	.8	3.1	1.6	.3								5.
290-310	.6	2.0	2.3	.1								5.
320-340	.8	1.9	1.0	.2	.1							4.
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	1.
TOTALS	17.8	44.4	31.1	4.9	.3	.1						100.

TOTAL NUMBER OF OBSERVATIONS 930

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

E: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
+ 5 MONTH: JUL HOURS: 12-14

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
.5								7.7	10.2	10.0
.5								22.7	7.8	8.0
								7.3	5.5	6.0
								2.2	5.0	4.5
								1.9	3.6	3.5
								2.7	5.7	5.0
1.4	.1							12.9	9.0	9.0
1.4	.1	.1						17.4	9.7	10.0
.5								9.2	8.5	8.0
.3								5.8	8.0	8.0
.1								5.1	8.6	9.0
.2	.1							4.0	8.4	8.0
///////////								1.1	///////////	
4.9	.3	.1						100.0	8.2	8.0

L NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: JUL HOURS: 15

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT %
(N) 350-010	.8	3.7	3.3	.3								8.
020-040	2.2	17.6	10.0	.3								30.
050-070	2.4	6.9	1.3									10.
(E) 080-100	1.7	1.2										2.
110-130	.6	1.2	.1									1.
140-160	1.1	1.1	1.2									3.
(S) 170-190	.4	4.7	3.7	1.5	.2							10.
200-220	1.4	5.5	7.4	1.8								16.
230-250	.9	2.8	3.7	.2								7.
(W) 260-280	.3	1.5	.6	.1								2.
290-310	.4	1.8	.9	.2								3.
320-340	.2	.6	1.1	.2	.2							2.
VARIABLE												
CALM	////////////

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: JUL HOURS: 15-17

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
.3								8.1	9.1	9.0
.3								30.1	8.4	8.0
								10.5	6.5	6.0
								2.9	4.1	4.0
								1.9	5.3	5.0
								3.3	7.1	7.0
1.5	.2							10.5	10.0	10.0
1.9								16.1	9.9	10.0
.2								7.5	9.1	10.0
.1								2.6	7.5	7.0
.2								3.3	8.5	8.0
.2	.2							2.4	10.7	10.0
//////////								.6	//////////	
4.6	.4							100.0	8.5	8.0

TAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JUL HOURS: 18-2

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	3.2	5.9	1.3	.1								11.1
020-040	8.9	14.3	1.9									25.2
050-070	4.0	5.2	.4									9.6
(E) 080-100	2.5	1.0										3.4
110-130	1.3	.8										2.0
140-160	1.3	2.7	.3									4.3
(S) 170-190	1.5	4.7	5.8	.9								12.9
200-220	1.8	5.4	5.6	.5								13.4
230-250	1.1	3.2	1.5	.2								6.0
(W) 260-280	1.0	1.5	.3									2.8
290-310	.8	1.6	1.0	.3								3.7
320-340	1.2	1.5	1.0	.4	.1							4.2
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	1.3
TOTALS	28.6	47.8	19.6	2.4	.1							100.0

TOTAL NUMBER OF OBSERVATIONS 928

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: JUL HOURS: 18-20

WIND SPEED IN KNOTS								TOTAL	MEAN	MEDIAN
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	%	WIND	WIND
.3	.1								11.1	6.6	6.0
.9									25.2	5.7	5.0
.4									9.6	5.0	5.0
									3.4	3.7	4.0
									2.0	3.8	4.0
.3									4.3	6.0	6.0
.4	.9								12.9	9.0	10.0
.5	.5								13.4	8.7	9.0
.5	.2								6.0	7.5	7.0
.3									2.8	5.8	6.0
.0	.3								3.7	7.6	7.5
.2	.4	.1							4.2	8.1	8.0
///	///	///	///	///	///	///	///	///	1.3	///	///
.5	2.4	.1							100.0	6.7	6.0

TOTAL NUMBER OF OBSERVATIONS 928

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS W
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JUL HOURS: 21-

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTA %
(N) 350-010	7.7	4.2	1.4									13.3
020-040	2.8	1.6	.4									4.9
050-070	1.9	.1	.1									2.2
(E) 080-100	1.6	.1										1.7
110-130	1.4	.8										2.2
140-160	3.0	1.6										4.6
(S) 170-190	4.9	7.8	3.5	.2								16.3
200-220	4.6	7.9	2.0									14.6
230-250	3.2	1.7	.1									5.1
(W) 260-280	1.6	.4	.2									2.3
290-310	1.9	1.5	.4									3.9
320-340	3.0	1.2										4.2
VARIABLE												
CALM	//////////////

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

ON NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
D UTC: + 5 — MONTH: JUL — HOURS: 21-23

WIND SPEED IN KNOTS									TOTAL %	MEAN WIND	MEDIAN WIND
-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
.4									13.3	4.7	4.0
.4									4.9	4.6	4.0
.1									2.2	3.0	2.0
									1.7	2.9	3.0
									2.2	3.5	3.0
									4.6	3.9	4.0
.3	.2								16.3	6.7	6.0
.0									14.6	6.0	6.0
.1									5.1	4.1	4.0
.2									2.3	4.0	4.0
.4									3.9	5.4	4.5
									4.2	3.7	3.0
//////////									24.9	//////////	
.1	.2								100.0	3.9	4.0

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: JUL HOURS: ALL

	WIND SPEED IN KNOTS										
DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	3.4	4.0	2.4	.2	.0							10.1
020-040	3.4	7.0	2.8	.1								13.3
050-070	1.9	2.5	.3									4.7
(E) 080-100	1.3	.6										1.9
110-130	1.0	.6	.0									1.6
140-160	1.4	1.2	.2									2.8
(S) 170-190	3.0	4.7	3.0	.5	.0							11.3
200-220	4.6	7.0	4.0	.6	.0	.0						16.2
230-250	2.8	3.2	1.6	.1								7.8
(W) 260-280	2.0	1.8	.5	.1								4.4
290-310	1.7	1.9	.8	.1								4.5
320-340	2.4	1.8	.7	.2	.1							5.1
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	////	16.3
TOTALS	28.9	36.3	16.3	1.9	.1							100.0

TOTAL NUMBER OF OBSERVATIONS 7435

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

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: JUL HOURS: ALL

WIND SPEED IN KNOTS										
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.2	.0							10.1	6.8	6.0
.1								13.3	6.9	7.0
								4.7	5.3	5.0
								1.9	3.8	4.0
								1.6	3.8	4.0
								2.8	5.2	5.0
.5	.0							11.3	7.5	7.0
.6	.0	.0						16.2	7.2	7.0
.1								7.8	6.5	6.0
.1								4.4	5.3	5.0
.1								4.5	6.1	6.0
.2	.1							5.1	5.8	5.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	16.3	//////////	//////////
1.9	.1							100.0	5.5	6.0

TAL NUMBER OF OBSERVATIONS 7435

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	1.9	7.6	10.5	1.0	.2							21.1
020-040	3.0	4.9	3.0	.3								11.3
050-070	2.7	1.1	.3									4.1
(E) 080-100	2.5	.2										2.7
110-130	2.5	.6										3.2
140-160	2.2	2.1	.2									4.5
(S) 170-190	1.7	3.5	4.5	.6								10.3
200-220	3.2	6.4	3.5	.5								13.5
230-250	2.4	3.3										5.7
(W) 260-280	2.5	1.3		.2								4.0
290-310	1.6	1.1	.3									3.0
320-340	1.9	3.7	1.9	1.0	.2							8.6
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	7.9
TOTALS	28.1	35.8	24.2	3.6	.4							100.0

TOTAL NUMBER OF OBSERVATIONS 629

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

ON NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
) UTC: + 5 — MONTH: JUL HOURS: ALL

LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

	WIND SPEED IN KNOTS										
E	1-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
9	0.5	1.0	.2							21.1	9.3	10.0
7	3.0	.3								11.3	7.0	6.0
4	.3									4.1	4.8	4.0
2										2.7	2.7	2.0
2										3.2	2.9	2.0
4	.2									4.5	4.9	4.5
8	4.5	.6								10.3	8.8	9.0
7	3.5	.5								13.5	7.4	8.0
4										5.7	4.7	5.5
4		.2								4.0	4.5	4.0
4	.3									3.0	4.8	4.0
8	1.9	1.0	.2							8.6	8.4	8.0
//										7.9	//	//
6	4.2	3.6	.4							100.0	6.6	7.0

TOTAL NUMBER OF OBSERVATIONS 629

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AU
LST TO UTC: + 5 MONTH: AUG HOURS:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	
(N) 350-010	3.7	3.0	.2									
020-040	2.3	2.2	.3									
050-070	1.0	.2	.1									
(E) 080-100	.5											
110-130	.8	.4										
140-160	1.6	1.0	.1									
(S) 170-190	4.9	4.0	1.5	.3		.1						
200-220	8.6	7.8	2.9	.3								
230-250	3.8	1.7	.8									
(W) 260-280	5.2	1.2	.1									
290-310	4.8	1.0	.2									
320-340	2.9	1.0	.1	.1								
VARIABLE												
CALM	//											
TOTALS	40.1	23.5	6.3	.7		.1						1

TOTAL NUMBER OF OBSERVATIONS 930

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: AUG HOURS: 00-02

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
								6.9	4.8	4.0
								4.7	5.2	5.0
								1.3	3.8	3.0
								.5	3.2	3.0
								1.2	3.8	4.0
								2.7	4.8	4.0
.3	.1							10.9	6.1	5.0
.3								19.7	5.8	5.0
								6.2	4.7	4.0
								6.5	3.6	3.0
								6.0	3.4	3.0
.1								4.1	3.8	2.0
//								29.4	////////////	
.7	.1							100.0	3.5	4.0

TAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: AUG HOURS: 03

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT %
(N) 350-010	4.8	3.5	.9	.1								9.
020-040	1.6	2.3	.2									4.
050-070	1.3	.4	.1									1.
(E) 080-100	.4	.2	.1									.
110-130	.3	.2										.
140-160	.6	1.5										2.
(S) 170-190	4.2	4.4	1.5	.2								10.
200-220	8.6	6.2	2.0	.1								17.
230-250	5.6	.9	.4									6.
(W) 260-280	4.2	1.6	.1									5.
290-310	5.3	.9		.1								6.
320-340	3.7	1.6	.6									5.
VARIABLE												
CALM	//////////											29.
TOTALS	40.6	23.7	5.9	.5								100.

TOTAL NUMBER OF OBSERVATIONS 930

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: AUG HOURS: 03-05

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
.1								9.4	5.0	4.0
								4.1	5.4	5.0
								1.8	4.6	4.0
								.8	4.6	4.0
								.5	3.2	2.0
								2.2	5.3	6.0
.2								10.3	6.0	5.0
.1								17.0	5.3	4.0
								6.9	3.5	3.0
								5.9	3.9	4.0
.1								6.2	3.7	4.0
								5.9	4.5	4.0
//								29.0	//////////	
.5								100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: AUG HOURS: 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TO
(N) 350-010	3.7	4.6	2.0		.1							10
020-040	2.9	2.6	.9									6
050-070	.9	.5										1
(E) 080-100	.6	.3										1
110-130	1.0	.4										1
140-160	1.4	1.6	.2									3
(S) 170-190	2.4	4.5	2.0	.1								9
200-220	7.6	5.3	2.7	.1								15
230-250	4.2	2.9	.5									7
(W) 260-280	4.1	2.0										6
290-310	4.1	2.6	.4									7
320-340	3.2	2.2	1.1	.2								6
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	24
TOTALS	36.1	29.5	9.8	.4	.1							100

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC: + 5 MONTH: AUG HOURS: 06-08

WIND SPEED IN KNOTS									TOTAL %	MEAN WIND	MEDIAN WIND
1-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
2.0		.1							10.4	6.3	6.0
.9									6.3	5.3	5.0
									1.4	3.8	4.0
									1.0	3.6	4.0
									1.4	3.8	3.0
.2									3.2	5.2	6.0
2.0	.1								9.0	6.9	7.0
2.7	.1								15.7	5.7	5.0
.2									7.6	4.5	4.0
									6.1	3.9	4.0
.4									7.1	4.7	4.0
1.1	.2								6.7	6.0	5.0
//									24.0	//////////	
4.3	.4	.1							100.0	4.1	5.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	2.6	4.2	3.3	.6	.1							10.9
020-040	4.4	6.1	2.5									13.0
050-070	2.8	.6										3.4
(E) 080-100	1.9	.8										2.7
110-130	.6	1.1	.1									1.8
140-160	1.5	1.3	.3									3.1
(S) 170-190	1.3	5.3	2.8	.8								10.1
200-220	2.4	8.7	4.8	1.1	.1							17.1
230-250	2.9	6.0	2.8									11.7
(W) 260-280	.3	3.7	1.4									5.8
290-310	1.6	5.9	1.7		.1							9.4
320-340	1.2	3.9	2.4	.6	.1							8.2
VARIABLE												
CALM	//////////////

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

N NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: AUG HOURS: 09-11

	WIND SPEED IN KNOTS										
4	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.3	.6	.1							10.9	8.0	8.0
.5									13.0	6.3	6.0
									3.4	3.3	3.0
									2.7	3.9	4.0
.1									1.8	4.9	5.0
.3									3.1	5.4	5.0
.	.8								10.1	8.4	8.0
.	1.1	.1							17.1	8.6	8.0
.									11.7	7.0	7.0
.4									5.8	7.4	6.0
.7		.1							9.4	7.0	7.0
.4	.6	.1							8.2	8.7	8.0
									2.8		
.1	3.1	.4							100.0	7.1	7.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: AUG HOURS: 12-1

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	1.4	3.2	3.8	.2	.2							8.8
020-040	1.8	9.4	4.2	.1								15.5
050-070	3.0	3.9	1.1									8.0
(E) 080-100	1.5	1.5	.1									3.1
110-130	1.0	1.5	.2									2.7
140-160	.8	1.7	.9	.1								3.4
(S) 170-190	1.1	4.5	4.9	1.2								11.7
200-220	2.3	5.5	6.7	2.5	.6							17.5
230-250	1.9	4.6	2.6	.4	.2							9.8
(W) 260-280	.8	3.1	2.3	.1								6.2
290-310	.5	2.6	3.0	.3								6.5
320-340	.5	1.6	3.1	.4	.2							5.9
VARIABLE												
CALM	//////////											.9
TOTALS	16.6	43.1	32.9	5.3	1.2							100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

ON NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
O UTC: + 5 MONTH: AUG HOURS: 12-14

-14	WIND SPEED IN KNOTS 15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
3.9	.2	.2							8.8	8.9	9.0
4.2	.1								15.5	7.7	8.0
1.1									8.0	5.6	5.0
.1									3.1	4.6	5.0
.2									2.7	5.6	5.0
.9	.1								3.4	7.4	7.0
4.9	1.2								11.7	9.7	10.0
6.7	2.5	.6							17.5	10.1	10.0
2.6	.4	.2							9.8	8.1	8.0
2.3	.1								6.2	8.5	8.0
3.0	.3								6.5	8.9	10.0
3.1	.4	.2							5.9	10.6	11.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	.9	//////////	//////////
2.9	5.3	1.2							100.0	8.4	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: AUG HOURS: 15-1

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	.9	3.3	3.2	.5	.1							8.1
020-040	2.3	14.8	5.8	.3								23.2
050-070	1.7	6.2	.5									8.5
(E) 080-100	1.6	1.2										2.8
110-130	.6	.5	.1									1.3
140-160	1.1	2.3	1.2	.3								4.8
(S) 170-190	1.1	2.6	5.3	2.2	.3	.1						11.5
200-220	1.4	6.7	4.1	1.6	.3							14.1
230-250	.5	4.8	2.6	1.2	.1							9.2
(W) 260-280	.4	2.6	2.7									5.7
290-310	.2	2.2	3.0	.2								5.6
320-340		1.3	2.4	.5								4.2
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	1.0
TOTALS	11.8	48.5	30.9	6.8	.8	.1						100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
STC: + 5 MONTH: AUG HOURS: 15-17

EA IN	WIND SPEED IN KNOTS 15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
9.	.5	.1							8.1	9.1	9.0
7.	.3								23.2	7.8	8.0
6.									8.5	6.0	6.0
4.									2.8	4.7	4.0
5.									1.3	5.1	5.0
7.	.3								4.8	7.9	7.0
1.	2.2	.3	.1						11.5	11.0	11.0
9.	1.6	.3							14.1	9.6	9.0
9.	1.2	.1							9.2	9.2	8.0
8.									5.7	8.6	9.0
9.	.2								5.6	9.8	10.0
0.	.5								4.2	10.7	11.0
									1.0		
8.	6.8	.8	.1						100.0	8.6	8.0

TAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSU
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: AUG HOURS:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	T
(N) 350-010	3.2	4.6	1.7	.2								
020-040	6.6	12.6	.9									2
050-070	4.3	3.5										
(E) 080-100	1.8	1.0										
110-130	1.4	.8										
140-160	1.8	2.7	.6	.1								
(S) 170-190	1.1	6.0	7.0	1.3								1
200-220	2.4	6.7	3.8	.9								1
230-250	2.3	1.9	.9	.1								
(W) 260-280	.9	2.2	.9	.1	.1							
290-310	1.2	1.3	1.3	.2								
320-340	1.7	3.1	1.6	.1	.1							
VARIABLE												
CALM	//////////////

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: AUG HOURS: 18-20

	WIND SPEED IN KNOTS										
4	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
7	.2								9.8	6.6	6.0
9									20.0	5.6	6.0
									7.8	4.4	4.0
									2.8	3.9	3.5
									2.2	4.1	4.0
5	.1								5.3	6.5	6.0
0	1.3								15.4	9.7	10.0
8	.9								13.7	7.9	7.0
9	.1								5.2	6.0	5.5
9	.1	.1							4.1	7.6	7.0
3	.2								4.0	7.4	7.0
5	.1	.1							6.7	7.4	8.0
									3.2		
7	3.0	.2							100.0	6.6	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS W
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: AUG HOURS: 21-

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTA %
(N) 350-010	6.2	2.6	.4									9.2
020-040	3.5	2.3	.3									6.1
050-070	2.5	.9										3.3
(E) 080-100	1.3											1.3
110-130	1.0	.4										1.4
140-160	3.7	1.8	.5									6.0
(S) 170-190	4.7	7.7	3.9	.8								17.1
200-220	5.1	5.9	3.3	.8								15.1
230-250	4.1	1.5	.2	.1								5.9
(W) 260-280	2.3	1.1	.1									3.4
290-310	3.4	1.0	.2									4.6
320-340	3.5	1.1			.1							4.7
VARIABLE												
CALM	//////////////

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

ON NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: AUG HOURS: 21-23

WIND SPEED IN KNOTS										
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.4									9.2	4.1	3.0
.3									6.1	4.4	4.0
									3.3	3.5	3.0
									1.3	2.3	2.0
									1.4	3.3	2.0
.5									6.0	4.9	4.0
.9	.8								17.1	7.4	7.0
.3	.8								15.1	7.0	6.0
.2	.1								5.9	3.9	3.0
.1									3.4	3.9	3.0
.2									4.6	3.6	2.0
	.1								4.7	3.7	3.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	21.7	//////////	//////////
.9	1.7	.1							100.0	4.2	4.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: AUG HOURS: ALL

	WIND SPEED IN KNOTS										
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(DEGREES)												%
(N) 350-010	3.3	3.6	1.9	.2	.1							9.2
020-040	3.2	6.5	1.9	.1								11.6
050-070	2.2	2.0	.2									4.4
(E) 080-100	1.2	.6	.0									1.9
110-130	.8	.7	.1									1.6
140-160	1.6	1.7	.5	.1								3.8
(S) 170-190	2.6	4.9	3.6	.8	.0	.0						12.0
200-220	4.8	6.6	3.8	.9	.1							16.2
230-250	3.2	3.1	1.3	.2	.0							7.8
(W) 260-280	2.3	2.2	.9	.0	.0							5.5
290-310	2.6	2.2	1.2	.1	.0							6.2
320-340	2.1	2.0	1.4	.3	.1							5.8
VARIABLE												
CALM	//////////											14.0
TOTALS	29.9	36.1	16.8	2.7	.3							100.0

TOTAL NUMBER OF OBSERVATIONS 7440

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: AUG HOURS: ALL

	WIND SPEED IN KNOTS									
	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	.2	.1							9.2	6.6	6.0
	.1								11.6	6.4	6.0
									4.4	4.8	5.0
									1.9	4.1	4.0
									1.6	4.5	4.0
	.1								3.8	6.0	6.0
	.8	.0	.0						12.0	8.3	8.0
	.9	.1							16.2	7.5	7.0
	.2	.0							7.8	6.2	6.0
	.0	.0							5.5	5.9	5.0
	.1	.0							6.2	6.1	5.0
	.3	.1							5.8	7.1	7.0
									14.0		
	2.7	.3							100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: AUG HOURS: A

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEIL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TO
(N) 350-010	2.6	7.0	3.5	.5	.1							13.
020-040	4.6	7.8	1.8	.1								14.
050-070	2.6	1.2	.2									4.
(E) 080-100	2.0	.6	.1									2.
110-130	.9	1.2										2.
140-160	1.4	2.0	1.0	.2								4.
(S) 170-190	1.7	8.4	8.2	1.6	.1							19.
200-220	4.5	7.2	4.4	.4								16.
230-250	2.2	1.4	.7	.1								4.
(W) 260-280	1.8	1.2	.4									3.
290-310	1.3	1.5	.4									3.
320-340	1.0	1.4	.9	.2								3.
VARIABLE												
CALM	//////////											8.
TOTALS	26.6	40.9	21.6	3.1	.2							100.

TOTAL NUMBER OF OBSERVATIONS 1128

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

NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 — MONTH: AUG HOURS: ALL

SS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
LE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

	WIND SPEED IN KNOTS										
	4	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
		.5	.1							13.7	7.8	8.0
		.1								14.3	6.2	6.0
										4.0	4.2	4.0
										2.7	4.1	4.0
										2.0	4.7	5.0
		.2								4.5	7.3	7.0
		1.6	.1							19.9	9.4	9.0
		.4								16.5	7.1	7.0
		.1								4.4	5.6	4.5
										3.3	4.9	4.0
										3.2	5.7	6.0
		.2								3.5	7.3	7.0
										8.1		
		3.1	.2							100.0	6.5	7.0

TAL NUMBER OF OBSERVATIONS 1128

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS W
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: SEP HOURS: 00-(

	DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N)	350-010	2.7	2.6	1.7	.3								7.2
	020-040	1.1	4.1	.8	.1	.1							6.2
	050-070	1.9	1.2	.3									3.4
(E)	080-100	1.1	.7										1.8
	110-130	.7	.2										.9
	140-160	1.0	1.1	.4	.1								2.7
(S)	170-190	2.4	5.2	3.8	.8								12.2
	200-220	5.9	9.0	3.7	1.3								19.9
	230-250	2.9	2.1	.4	.3								5.8
(W)	260-280	3.8	1.6	.1									5.4
	290-310	3.6	1.6	.1									5.2
	320-340	2.7	2.2	.3	.1								5.3
	VARIABLE												
	CALM	////////////

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC: + 5 MONTH: SEP HOURS: 00-02

WIND DIRECTION	WIND SPEED IN KNOTS 1-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1.7	.3								7.2	6.6	6.0
	.8	.1	.1							6.2	6.9	6.0
	.3									3.4	4.7	3.0
										1.8	4.5	3.5
										.9	4.1	3.0
	.4	.1								2.7	6.0	5.5
	3.9	.8								12.2	7.9	7.5
	3.7	1.3								19.9	7.0	6.0
	.4	.3								5.8	5.7	4.5
	.1									5.4	4.0	4.0
	.1									5.2	4.1	4.0
	.3	.1								5.3	5.3	4.5
	////	////	////	////	////	////	////	////	////	23.9	////	////
	11.5	3.0	.1							100.0	4.7	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: SEP HOURS: 03-

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT %
(N) 350-010	3.3	4.9	1.7	.3	.1							10.
020-040	1.9	3.0	.8									5.
050-070	.7	.8	.6									2.
(E) 080-100	.9	.7										1.
110-130	.6	.8										1.
140-160	1.1	.7	.1									1.
(S) 170-190	3.1	5.4	2.7	.9								12.
200-220	7.2	7.3	3.4	.6	.2							18.
230-250	4.6	1.8	.7	.3								7.
(W) 260-280	3.1	1.4										4.
290-310	4.2	2.3	.2									6.
320-340	2.1	2.0	.3									4.
VARIABLE												
CALM	////////////

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

ION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 MONTH: SEP HOURS: 03-05

WIND SPEED IN KNOTS											
)-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
1.7	.3	.1							10.3	6.9	6.0
.3									5.7	6.0	6.0
.6									2.0	6.3	6.0
									1.6	4.8	4.0
									1.3	4.6	5.0
.1									1.9	4.7	4.0
2.7	.9								12.1	7.5	6.0
3.4	.6	.2							18.8	6.6	6.0
.7	.3								7.3	5.0	4.0
									4.6	3.7	4.0
.2									6.8	4.1	4.0
.3									4.4	4.8	5.0
////////////									23.2	////////////	
10.5	2.1	.3							100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS W
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: SEP HOURS: 06-

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTA %
(N) 350-010	4.3	4.4	1.6	.6	.2							11.1
020-040	1.4	2.8	.4	.1								4.8
050-070	.9	1.8	.4									3.1
(E) 080-100	.7	.7										1.3
110-130	1.0	.4										1.4
140-160	.8	1.7	.3									2.8
(S) 170-190	3.1	4.4	1.6	.8	.2							10.1
200-220	5.3	8.6	3.6	1.3								18.8
230-250	4.9	2.0	.8									7.7
(W) 260-280	4.1	2.1	.1									6.3
290-310	4.8	2.2	.1	.1								7.2
320-340	3.1	2.2	.6									5.9
VARIABLE												
CALM	////////////

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: SEP HOURS: 06-08

	WIND SPEED IN KNOTS										
	4	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
		.6	.2							11.1	6.6	6.0
		.1								4.8	6.2	6.0
										3.1	6.3	6.0
										1.3	4.7	4.5
										1.4	3.6	4.0
										2.8	6.4	7.0
		.8	.2							10.1	7.2	6.0
		1.3								18.8	7.3	7.0
										7.7	4.4	4.0
										6.3	3.8	3.0
		.1								7.2	4.0	4.0
										5.9	5.0	4.0
										19.4		
		2.9	.4							100.0	4.8	5.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSU
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: SEP HOURS:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	T
(N) 350-010	1.9	5.0	3.3	.8	.3							1
020-040	2.6	5.4	1.2	.4	.1							
050-070	1.3	2.1	.6									
(E) 080-100	.7	.9										
110-130	1.0	.7	.1									
140-160	1.2	2.6	.4									
(S) 170-190	.6	4.4	3.2	.9	.3							
200-220	1.6	7.8	5.7	2.4	.1							1
230-250	3.8	5.4	2.9	.4								1
(W) 260-280	1.7	4.1	1.6	.1								
290-310	2.0	5.0	1.6	.2								
320-340	1.7	4.0	2.6	.3								
VARIABLE												
CALM	////////////

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC: + 5 MONTH: SEP HOURS: 09-11

WIND SPEED IN KNOTS											
0-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
3.3	.8	.3							11.3	8.8	8.0
1.2	.4	.1							9.8	6.9	6.0
.6									4.0	6.5	6.5
									1.6	5.4	5.0
.1									1.8	4.7	4.0
.4									4.2	6.1	6.0
3.2	.9	.3							9.4	9.8	9.0
5.7	2.4	.1							17.6	9.5	9.0
2.9	.4								12.6	6.9	6.0
1.6	.1								7.4	7.2	7.0
1.6	.2								8.8	6.7	6.0
2.6	.3								8.6	7.9	8.0
//									3.0	//////////	
23.2	5.5	.8							100.0	7.6	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSU
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: SEP HOURS:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	T
(N) 350-010	1.7	5.2	3.6	1.7	.1							1
020-040	2.6	7.7	4.2	.1	.2							1
050-070	1.6	2.4	.8	.1								
(E) 080-100	1.0	.7										
110-130	.8	1.0										
140-160	1.3	2.6	.4									
(S) 170-190	1.4	4.2	4.4	3.0	.2							1
200-220	1.4	3.3	5.1	3.9	1.6	.1						1
230-250	1.7	5.0	2.4	.9	.1							1
(W) 260-280	.8	2.9	2.6									
290-310	.8	3.8	2.9	.1								
320-340	.6	2.4	2.6	.4								
VARIABLE												
CALM	//////////											
TOTALS	15.7	41.2	29.0	10.2	2.2	.1						10

TOTAL NUMBER OF OBSERVATIONS 900

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC: + 5 MONTH: SEP HOURS: 12-14

WIND SPEED IN KNOTS											
0-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
3.6	1.7	.1							12.2	9.1	8.0
4.2	.1	.2							14.8	7.7	8.0
.8	.1								4.9	6.4	6.0
									1.7	4.4	4.0
									1.8	5.1	5.0
.4									4.3	6.2	7.0
4.4	3.0	.2							13.3	10.3	10.0
5.1	3.9	1.6	.1						15.4	12.0	12.0
2.4	.9	.1							10.1	8.3	8.0
2.6									6.2	8.3	8.5
2.9	.1								7.6	8.4	8.0
3.6	.4								6.0	9.2	9.5
//									1.7	//////////	
3.9	10.2	2.2	.1						100.0	8.8	8.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AL
LST TO UTC: + 5 MONTH: SEP HOURS:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	
(N) 350-010	.9	2.7	3.2	1.7								
020-040	3.3	14.1	4.9	.8								
050-070	2.7	5.8	1.0									
(E) 080-100	.9	1.1										
110-130	.2	.8										
140-160	.7	2.2	1.0									
(S) 170-190	.7	3.6	5.9	2.4	.9							
200-220	.7	4.9	4.9	3.0	1.2	.1						
230-250	.9	2.9	2.0	.8	.1							
(W) 260-280	.8	2.0	1.0	.2	.1							
290-310	1.0	2.6	2.8	.8								
320-340	.6	1.2	2.2	.4								
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	
TOTALS	13.8	43.9	28.9	10.1	2.3	.1						1

TOTAL NUMBER OF OBSERVATIONS 900

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

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: SEP HOURS: 15-17

WIND SPEED IN KNOTS 15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
1.7								8.4	10.3	10.0
.8								23.6	7.7	8.0
								9.4	6.1	6.0
								2.0	4.4	5.0
								1.0	5.6	5.0
								3.9	7.6	8.0
2.4	.9							13.4	11.5	11.0
3.0	1.2	.1						14.8	11.8	11.0
.3	.1							6.6	9.6	9.0
.2	.1							4.1	7.9	8.0
.8								7.1	9.1	9.5
.4								4.4	9.5	10.0
//////////	//////	//////	//////	//////	//////	//////	//////	1.2	//////////	
10.1	2.3	.1						100.0	9.0	8.0

TAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: SEP HOURS: 1

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TO
(N) 350-010	3.1	4.1	2.9	.8								10.
020-040	6.3	8.4	2.1	.1								17.
050-070	5.6	3.3	.2									9.
(E) 080-100	2.7	.8	.3									3
110-130	1.8	.3										2.
140-160	1.1	1.6	1.1									3
(S) 170-190	1.2	5.3	7.7	1.3	.1							15.
200-220	1.4	5.0	4.4	1.6								12
230-250	1.3	2.1	.3									4
(W) 260-280	1.6	.9	.2									2.
290-310	2.1	2.9	1.2	.1	.1							6.
320-340	1.0	2.3	1.0									4.
VARIABLE												
CALM	//////////////

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: SEP HOURS: 18-20

	WIND SPEED IN KNOTS										
	1-4	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	.9	.8								10.9	7.7	7.0
	2.1	.1								17.0	5.8	5.0
	.2									9.1	4.1	4.0
	.3									3.8	3.9	3.5
										2.1	3.2	3.0
	.1									3.8	7.2	8.0
	.7	1.3	.1							15.7	10.0	10.0
	.4	1.6								12.4	9.3	9.0
	.2									4.2	6.3	6.0
	.2									2.7	4.8	4.0
	.2	.1	.1							6.4	6.5	5.5
	.3									4.3	6.9	7.0
	////	////	////	////	////	////	////	////	////	7.6	////	////
	.7	3.9	.2							100.0	6.5	6.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSU
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: SEP HOURS:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	T
(N) 350-010	4.2	3.7	1.8	1.1								1
020-040	3.1	2.9	.8	.1								
050-070	1.8	1.9		.1								
(E) 080-100	1.9	.3	.1									
110-130	1.4	.4	.1									
140-160	1.7	1.6	.2	.1								
(S) 170-190	3.6	5.9	6.1	.4								1
200-220	3.0	5.9	4.4	1.0	.2							1
230-250	2.0	3.4	.6	.3								
(W) 260-280	3.3	.7	.2	.2								
290-310	3.3	1.2	.3	.1								
320-340	3.7	1.9	.3									
VARIABLE												
CALM	//////////////

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

: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
+ 5 MONTH: SEP HOURS: 21-23

WIND SPEED IN KNOTS									
-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
1.1								10.8	6.8	6.0
.1								6.9	5.6	5.0
.1								3.8	4.9	5.0
								2.3	3.4	2.0
								2.0	4.1	3.0
.1								3.6	5.5	5.0
.4								16.0	8.4	8.0
1.0	.2							14.6	8.4	8.0
.3								5.3	6.1	5.0
.2								4.4	4.2	3.0
.1								5.0	4.5	4.0
								5.9	4.3	4.0
////////								19.4	////////	
3.4	.2							100.0	5.2	6.0

NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: SEP HOURS: ALL

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTA
(DEGREES)												%
(N) 350-010	2.9	4.1	2.5	.9	.1							10.
020-040	2.8	6.1	1.9	.2	.1							11.
050-070	2.0	2.4	.5	.0								5.
(E) 080-100	1.2	.7	.1									2.
110-130	.9	.6	.0									1.
140-160	1.1	1.7	.5	.0								3.
(S) 170-190	2.0	4.3	4.4	1.3	.2							12.
200-220	3.3	6.5	4.4	1.9	.4	.0						16.
230-250	2.7	3.0	1.3	.4	.0							7.
(W) 260-280	2.4	2.0	.7	.1	.0							5.
290-310	2.7	2.7	1.2	.2	.0							6.
320-340	1.9	2.3	1.2	.2								5.
VARIABLE												
CALM	//////////											12.
TOTALS	25.3	36.9	18.7	5.2	.8							100.

TOTAL NUMBER OF OBSERVATIONS 7200

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

TION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: SEP HOURS: ALL

WIND SPEED IN KNOTS											
10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
2.6	.9	.1							10.3	7.9	7.0
1.9	.2	.1							11.1	6.8	6.0
.5	.0								5.0	5.5	5.0
.1									2.0	4.3	4.0
.0									1.5	4.3	4.0
.5	.0								3.4	6.3	6.0
4.4	1.3	.2							12.8	9.1	9.0
4.4	1.9	.4	.0						16.5	8.8	8.0
1.3	.4	.0							7.4	6.6	6.0
.7	.1	.0							5.2	5.6	5.0
1.2	.2	.0							6.8	6.1	6.0
1.2	.2								5.6	6.7	6.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	12.4	//////////	//////////
18.7	5.2	.8							100.0	6.4	7.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: SEP HOURS: AL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILI

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT %
(N) 350-010	2.2	5.7	5.8	2.3	.2							16.
020-040	3.4	9.6	3.8	.7	.2							17.
050-070	2.1	3.9	.8									6.
(E) 080-100	1.3	.6	.2									2.
110-130	1.3	1.6	.1									3.
140-160	1.9	4.2	1.4	.1								7.
(S) 170-190	1.7	7.1	6.3	2.4	.5							18.
200-220	1.5	6.5	4.4	1.0	.1							13.
230-250	1.5	1.5	.8	.1								3.
(W) 260-280	.3	.6	.3									1.
290-310	.5	.5	.5									1.
320-340	1.1	.9	.6	.1								2.
VARIABLE												
CALM	//////////////

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC: + 5 MONTH: SEP HOURS: ALL

LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

	WIND SPEED IN KNOTS										
	0-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	5.9	2.3	.2							16.2	9.7	10.0
	8.9	.7	.2							17.7	7.6	7.0
	.4									6.8	6.1	6.0
	.2									2.2	4.6	4.0
	.1									3.1	5.2	5.0
	1.4	.1								7.6	7.0	7.0
	6.3	2.4	.5							18.1	9.8	10.0
	4.4	1.0	.1							13.7	8.9	8.0
	.8	.1								3.9	6.4	6.0
	.3									1.7	5.5	5.0
	.5									1.5	6.8	8.0
	.6	.1								2.8	6.6	6.0
	////	////	////	////	////	////	////	////	////	4.9	////////////	
	35.0	6.7	1.0							100.0	7.7	8.0

TOTAL NUMBER OF OBSERVATIONS 1484

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: OCT HOURS: 0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TO
(N) 350-010	1.7	2.5	2.3	1.0	.8	.2						8.
020-040	2.0	1.7	.8	.3	.3							5.
050-070	1.0	.2	.1									1.
(E) 080-100	.5	.2	.2									1.
110-130	1.1	.1	.2									1.
140-160	1.3	1.2	1.5	.3			.1					4.
(S) 170-190	3.7	4.9	3.9	1.0								13.
200-220	4.6	8.1	1.8	.5	.3	.1						15.
230-250	4.7	2.0	.8	.4	.1							8.
(W) 260-280	3.0	2.2	.1									5.
290-310	4.3	2.7	.5									7.
320-340	3.7	2.2	1.1	.1								7.
VARIABLE												
CALM	//////////////

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: OCT HOURS: 00-02

	WIND SPEED IN KNOTS										
	1-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	.3	1.0	.8	.2						8.4	10.3	9.5
	.3	.3	.3							5.2	7.5	6.0
	.1									1.3	4.0	3.0
	.2									1.0	5.8	4.0
	.2									1.4	3.9	2.0
	.3	.3			.1					4.4	8.4	7.0
	.7	1.0								13.4	7.8	7.0
	1.4	.5	.3	.1						15.5	6.7	6.0
	.3	.4	.1							8.1	5.5	4.0
	.1									5.3	4.2	4.0
	.5									7.5	4.5	4.0
	1.1	.1								7.0	5.4	4.0
	///											
	5	//								21.6	//////////	
	3.3	3.6	1.5	.3	.1					100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: OCT HOURS: 03

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT %
(N) 350-010	1.3	3.2	2.9	1.3	1.0							9.
020-040	1.7	1.3	.4		.1							3.
050-070	.2	.3										.
(E) 080-100	.3		.1									.
110-130	.6	.4	.5									1.
140-160	.9	1.6	.8									3.
(S) 170-190	2.9	4.8	3.3	1.4	.1							12.
200-220	7.2	7.4	2.6	.2	.1	.1		.1				17.
230-250	3.8	1.8	.5									6.
(W) 260-280	3.0	2.3	.2	.2								5.
290-310	5.7	2.3	.6									8.
320-340	3.3	2.7	1.1	.1								7.
VARIABLE												
CALM	//////////////

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
GMT TO UTC: + 5 MONTH: OCT HOURS: 03-05

WIND SPEED IN KNOTS											
0-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
2.9	1.3	1.0							9.7	10.4	10.0
.4		.1							3.5	5.7	5.0
									.5	4.6	5.0
.1									.4	4.3	2.5
.5									1.6	6.5	6.0
.8									3.2	7.1	7.0
3.3	1.4	.1							12.6	8.5	8.0
2.5	.2	.1	.1		.1				17.7	6.3	6.0
.5									6.1	4.4	4.0
.2	.2								5.7	4.6	4.0
.6									8.6	4.4	4.0
1.1	.1								7.2	5.7	5.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	23.0	//////////	//////////
13.0	3.2	1.3	.1		.1				100.0	5.1	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSU
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: OCT HOURS:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	T
(N) 350-010	2.0	2.6	2.3	.9	.9	.2						
020-040	1.3	1.8	.4									
050-070	.4	.1	.1									
(E) 080-100	.3	.5										
110-130	1.0	.4	.3									
140-160	.4	1.9	.5									
(S) 170-190	2.4	4.1	3.2	1.4	.3							1
200-220	7.0	6.7	3.4	1.4								1
230-250	5.4	1.7	1.3									
(W) 260-280	4.6	1.0	.4	.1								
290-310	4.7	1.7	1.0									
320-340	3.5	3.9	1.2	.4	.1							
VARIABLE												
CALM	//////////											2
TOTALS	33.0	26.4	14.1	4.2	1.3	.2						10

TOTAL NUMBER OF OBSERVATIONS 930

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: OCT HOURS: 06-08

WIND SPEED IN KNOTS								TOTAL	MEAN	MEDIAN
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	%	WIND	WIND
.9	.9	.2						8.8	10.0	9.0
								3.5	6.1	6.0
								.6	5.7	4.0
								.9	4.6	5.0
								1.7	5.4	4.0
								2.9	6.8	7.0
1.4	.3							11.4	9.0	8.0
1.4								18.5	6.9	6.0
								8.4	4.9	4.0
.1								6.1	4.2	3.0
								7.4	4.6	4.0
.4	.1							9.1	6.2	6.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	20.5	//////////	//////////
4.2	1.3	.2						100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AU
LST TO UTC: + 5 MONTH: OCT HOURS:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65
(N) 350-010	1.5	4.6	2.4	1.5	.4	.4	.1				
020-040	2.3	2.8	1.7	.2							
050-070	.5	.2									
(E) 080-100	1.0	.8									
110-130	.8	1.7	.2								
140-160	1.0	2.2	1.1	.3							
(S) 170-190	1.7	5.3	4.2	2.2	.2	.1					
200-220	2.5	6.2	5.7	1.9	1.0						
230-250	3.2	3.3	2.2								
(W) 260-280	2.5	4.3	1.0	.1							
290-310	2.2	3.3	2.2	.2	.1	.1					
320-340	2.2	3.7	3.7	.8	.1						
VARIABLE											
CALM	////////////

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: OCT HOURS: 09-11

	WIND SPEED IN KNOTS										
	14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	.4	1.5	.4	.4	.1					11.0	10.4	8.0
	.7	.2								7.0	7.2	7.0
										.8	3.3	4.0
										1.7	4.3	4.0
	.2									2.7	5.8	6.0
	.1	.3								4.5	8.1	7.5
	.2	2.2	.2	.1						13.7	9.9	9.0
	.7	1.9	1.0							17.3	9.9	9.0
	.2									8.7	6.3	6.0
	.2	.1								7.8	6.2	5.0
	.2	.2	.1	.1						8.1	7.9	8.0
	.7	.8	.1							10.3	8.8	9.0
	///									6.5	///	///
	.4	7.2	1.8	.6	.1					100.0	7.9	8.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: OCT HOURS: 12

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT %
(N) 350-010	1.0	3.8	5.2	1.2	.5	.2	.2					12.
020-040	1.5	4.5	2.7	.3	.1							9.
050-070	1.1	1.2	.2									2.
(E) 080-100	1.4	.6	.2									2.
110-130	.5	1.5	.2									2.
140-160	1.4	1.4	1.7	.6								5.
(S) 170-190	2.3	5.7	5.7	3.4	.4							17.
200-220	1.0	4.4	6.7	3.5	.5							16.
230-250	1.2	3.9	1.9	.5	.2							7.
(W) 260-280	.9	3.1	1.2	.3	.1							5.
290-310	1.2	2.5	3.7	.9	.1	.1						9.
320-340	1.3	2.7	4.3	.9	.4	.1						9.
VARIABLE												
CALM	//////////////

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

K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: OCT — HOURS: 12-14

	WIND SPEED IN KNOTS							TOTAL %	MEAN WIND	MEDIAN WIND
	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
.2	.5	.2	.2					12.0	11.0	10.0
.3	.1							9.1	7.9	8.0
								2.5	5.3	5.0
								2.3	4.7	4.0
								2.3	6.0	6.0
								5.2	8.2	7.0
.4	.4							17.5	10.3	10.0
.5	.5							16.1	11.4	11.0
.2	.2							7.6	8.6	8.0
.3	.1							5.5	8.1	7.0
.2	.1	.1						8.4	9.7	10.0
.9	.4	.1						9.7	10.2	10.0
////	////	////	////	////	////	////	////	1.8	////	////
.6	2.3	.4	.2					100.0	9.4	9.0

NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: OCT HOURS: 1

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TO
(N) 350-010	.6	4.3	5.4	1.1	.6	.3	.1					12.
020-040	2.8	7.3	2.6	.4								13.
050-070	2.0	1.6	.2									3.
(E) 080-100	1.0	.2										1.
110-130	.4	.8	.5									1.
140-160	1.4	3.2	2.2	.9								7.
(S) 170-190	.9	5.4	5.9	2.8	.3							15.
200-220	1.0	5.9	4.6	2.0	.4	.1	.1					14.
230-250	1.3	2.9	1.8	.9	.1		.1					7.
(W) 260-280	1.5	2.9	1.1	.4								5.
290-310	2.3	2.9	1.3	.6								7.
320-340	1.0	3.2	2.9	1.2	.2							8.
VARIABLE												
CALM	//////////////

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

F: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
+ 5 MONTH: OCT HOURS: 15-17

	WIND SPEED IN KNOTS									
-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
1.1	.6	.3	.1					12.5	11.0	10.0
.4								13.1	7.3	7.0
								3.9	4.8	4.0
								1.2	3.5	3.0
								1.7	7.3	6.0
.9								7.6	8.3	8.0
2.6	.3							15.3	10.8	10.0
2.0	.4	.1	.1					14.2	10.4	10.0
.9	.1		.1					7.1	9.2	8.5
.4								5.9	7.1	6.0
.6								7.1	7.1	6.0
1.2	.2							8.5	10.1	10.0
////	////	////	////	////	////	////	////	1.9	////	////
10.3	1.6	.4	.3					100.0	8.9	8.0

L NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: OCT HOURS: 1

	DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TO
(N)	350-010	2.2	3.0	2.6	.8	.6	.2						10
	020-040	4.5	3.7	.9	.1	.1							9
	050-070	2.7	1.2										3
(E)	080-100	1.7	.5	.1									2
	110-130	1.3	1.2	.4									2
	140-160	1.8	2.0	1.1	.2								5
(S)	170-190	3.0	9.2	6.3	1.3	.2							20
	200-220	2.2	4.7	2.6	.4								9
	230-250	2.0	2.5	.5	.1								5
(W)	260-280	1.2	1.3	.1									2
	290-310	2.9	2.7	1.7	.1								7
	320-340	2.9	4.0	2.0	.5	.2							9
	VARIABLE												
	CALM	//////////////

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
GMT DIFF. FROM UTC: + 5 MONTH: OCT HOURS: 18-20

WIND DIR	WIND SPEED IN KNOTS 1-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	2.6	.8	.6	.2						10.1	9.0	7.0
	.9	.1	.1							9.2	5.5	5.0
										3.9	3.4	3.5
	.1									2.4	3.6	3.0
	.4									2.9	5.7	6.0
	1.1	.2								5.2	7.3	7.0
	.3	1.3	.2							20.1	8.5	8.0
	.5	.4								9.9	7.7	8.0
	.8	.1								5.2	5.7	5.0
	.1									2.6	4.9	5.0
	1.7	.1								7.4	6.4	6.0
	.6	.5	.2							9.7	7.4	7.0
///												
	//									11.5	//////////	
	.7	3.5	1.1	.2						100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSU
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: OCT HOURS:

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	T
(N) 350-010	2.5	2.4	2.2	1.0	.8							
020-040	2.0	2.2	.8	.3	.2							
050-070	1.0	.5										
(E) 080-100	.5	.1	.1									
110-130	1.2	.9	.3	.1								
140-160	2.0	2.4	1.4	.2								
(S) 170-190	2.2	6.5	4.2	.9	.3							1
200-220	4.2	10.2	2.3	1.0	.1							1
230-250	2.9	1.9	.2	.1	.1							
(W) 260-280	3.2	1.5	.2									
290-310	2.4	2.8	.1									
320-340	1.7	3.9	1.7	.3								
VARIABLE												
CALM	////////////

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC: + 5 MONTH: OCT HOURS: 21-23

	WIND SPEED IN KNOTS										
	1-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	7.2	1.0	.8							8.7	9.1	8.0
	4.2	.3	.2							5.5	6.9	6.0
										1.5	4.2	4.0
	.1									.8	4.6	4.0
	.3	.1								2.5	5.8	5.0
	1.4	.2								6.0	6.9	6.0
	4.2	.9	.3							14.0	8.5	8.0
	2.3	1.0	.1							17.7	7.1	7.0
	.2	.1	.1							5.3	5.2	4.0
	.2									4.9	4.3	4.0
	.1									5.3	5.0	5.0
	1.7	.3								7.6	7.3	7.0
	////	////	////	////	////	////	////	////	////	20.2	////////////	
	4.5	3.9	1.5							100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSU
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: OCT HOURS:

		WIND SPEED IN KNOTS										
	DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65
	(DEGREES)											
(N)	350-010	1.7	3.3	3.1	1.1	.7	.2	.1				
	020-040	2.3	3.2	1.3	.2	.1						
	050-070	1.1	.7	.1								
(E)	080-100	.8	.4	.1								
	110-130	.9	.9	.3	.0							
	140-160	1.3	2.0	1.3	.3			.0				
(S)	170-190	2.4	5.7	4.6	1.8	.2	.0					
	200-220	3.7	6.7	3.7	1.4	.3	.0	.0	.0			
	230-250	3.1	2.5	1.1	.3	.1		.0				
(W)	260-280	2.5	2.3	.5	.1	.0						
	290-310	3.2	2.6	1.4	.2	.0	.0					
	320-340	2.4	3.3	2.2	.5	.1	.0					
	VARIABLE											
	CALM	////	////	////	////	////	////	////	////	////	////	////
	TOTALS	25.4	33.6	19.7	5.9	1.5	.2	.1				

TOTAL NUMBER OF OBSERVATIONS 7440

IND

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: OCT HOURS: ALL

	WIND SPEED IN KNOTS										
	4	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
		1.1	.7	.2	.1					10.1	10.2	10.0
		.2	.1							7.0	6.9	6.0
										1.9	4.3	4.0
										1.3	4.3	4.0
		.0								2.1	5.8	5.0
		.3			.0					4.9	7.7	7.0
		1.8	.2	.0						14.7	9.2	9.0
		1.4	.3	.0	.0	.0				15.9	8.3	7.0
		.3	.1		.0					7.1	6.3	5.0
		.1	.0							5.5	5.5	5.0
		.2	.0	.0						7.5	6.3	5.0
		.5	.1	.0						8.6	7.8	7.0
										13.4		
		5.9	1.5	.2	.1					100.0	6.7	7.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VER
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: A
LST TO UTC: + 5 MONTH: OCT HOURS

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METER
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH C

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65
(N) 350-010	1.4	6.8	5.9	2.5	2.8	.5					
020-040	3.5	6.1	2.5	1.0	.5						
050-070	.9	1.3	.1								
(E) 080-100	.8	.8	.3								
110-130	.8	1.4	1.0	.1							
140-160	1.0	3.2	2.6	.7			.1				
(S) 170-190	2.6	6.0	7.6	2.6	.2						
200-220	2.0	4.0	3.0	1.0				.1			
230-250	1.0	.8	.6								
(W) 260-290	1.2	1.1	.3								
290-310	1.5	1.2	.6	.2							
320-340	1.8	3.0	2.3	.6	.3	.1					
VARIABLE											
CALM	//										
TOTALS	18.4	35.7	26.7	8.9	3.8	.6	.1	.1			

TOTAL NUMBER OF OBSERVATIONS 1550

WIND

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

78 -
LL

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: OCT HOURS: ALL

ING G S THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
(0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

TAL

%	WIND SPEED IN KNOTS 15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.9											
.5	2.5	2.8	.5						19.8	11.9	10.0
.3	1.0	.5							13.5	7.9	7.0
.8									2.3	5.3	5.0
.2									1.8	5.3	5.0
.5	.1								3.2	7.0	7.0
.8	.7			.1					7.5	9.3	9.0
.1	2.6	.2							18.8	9.9	10.0
.5	1.0				.1				10.1	8.6	8.0
.6									2.5	6.2	6.0
.5									2.6	5.6	6.0
.3	.2								3.5	6.5	5.0
	.8	.3	.1						8.3	9.0	8.0
.0	//								6.0	//////////	
	8.9	3.8	.6	.1	.1				100.0	8.6	8.0

TAL NUMBER OF OBSERVATIONS 1550

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: NOV HOURS: C

		WIND SPEED IN KNOTS											
	DIRECTION (DEGREES)	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TC
(N)	350-010	1.3	2.4	3.2	1.3	.1							8
	020-040	1.7	1.6	2.1	.4								5
	050-070	.7	.6	.2									1
(E)	080-100	.3	.3	.2									1
	110-130	.3	1.0	.1									1
	140-160	1.2	.9	.4	.1								2
(S)	170-190	2.1	3.7	2.8	.8	.2							9
	200-220	4.0	5.0	4.7	1.1	.2							14
	230-250	3.2	3.3	1.7	.4	.1							8
(W)	260-280	2.6	3.8	1.6	.4								8
	290-310	2.9	3.3	1.0	.1								7
	320-340	3.3	3.6	3.0	.2								10
	VARIABLE												
	CALM	//////////											15
	TOTALS	24.6	33.0	21.0	4.8	.6							100

TOTAL NUMBER OF OBSERVATIONS 900

IND SP ...TAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

- WIN... NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
02 ...: + 5 MONTH: NOV HOURS: 00-02

L MEA... WI...	WIND SPEED IN KNOTS 15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
9.	1.3	.1							8.9	9.6	10.0
7.	.4								5.8	7.8	8.0
6.									1.4	6.2	5.0
5.									1.3	5.0	3.0
6.									1.4	6.1	6.0
6.	.1								2.7	6.2	5.5
8.	.8	.2							9.6	8.7	8.0
8.	1.1	.2							18.0	8.0	7.0
6.	.4	.1							8.8	6.7	6.0
7.	.4								8.3	7.0	6.0
6.	.1								7.8	6.2	6.0
7.	.2								10.1	7.0	6.0
////	//								15.9	////////////	
6.	4.8	.6							100.0	6.4	7.0

...L NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: NOV HOURS: 03-0

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	2.4	3.1	2.6	2.1	.1							10.3
020-040	1.3	1.9	2.0	.3	.1							5.7
050-070	.6	.6	.6	.2								1.9
(E) 080-100	.9	.4										1.3
110-130	.9	.8	.1									1.8
140-160	.7	1.6	.6									2.8
(S) 170-190	.9	5.7	1.1	.8	.1							8.6
200-220	5.6	7.1	2.8	1.7	.1							17.2
230-250	2.8	3.6	.9	.3								7.6
(W) 260-280	3.0	3.0	1.6	.7								8.2
290-310	2.8	3.8	.7	.1								7.3
320-340	3.4	5.7	2.4	.2								11.9
VARIABLE												
CALM	////////////

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

: K. I. SAWYER AF3 MI PERIOD OF RECORD: AUG 78 - JUL 88
+ 5 MONTH: NOV HOURS: 03-05

WIND SPEED IN KNOTS 5-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
2.1	.1							10.3	9.1	9.0
.3	.1							5.7	8.6	8.0
.2								1.9	7.8	6.0
								1.3	3.8	3.0
								1.8	5.0	4.5
								2.8	7.0	7.0
.9	.1							8.6	8.4	8.0
1.7	.1							17.2	7.4	6.0
.3								7.6	6.6	6.0
.7								8.2	6.9	6.0
.1								7.3	5.8	5.5
.2								11.5	6.8	6.0
//								15.6	//////////	
5.4	.4							100.0	6.2	7.0

NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: NOV HOURS: 06

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT %
(N) 350-010	1.7	2.9	3.1	1.9	.6							10.
020-040	2.4	1.8	1.0	.4								5.
050-070	1.1	1.0	.4									2.
(E) 080-100	1.0	.3										1.
110-130	.8	1.2										2.
140-160	.1	1.3	.7	.1								2.
(S) 170-190	2.3	4.4	2.8	.2	.6							10.
200-220	4.4	6.8	2.9	1.6	.2							15.
230-250	3.9	2.3	1.8	.3								8.
(W) 260-280	2.7	2.9	1.4	.4								7.
290-310	2.7	3.6	.6	.2								7.
320-340	2.9	5.3	2.2									10.
VARIABLE												
CALM	//////////////

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

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: NOV HOURS: 06-08

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
1.9	.6							10.1	10.5	10.0
.4								5.7	6.8	6.0
								2.6	5.5	5.0
								1.3	3.8	3.5
								2.0	5.3	6.0
.1								2.2	8.9	9.0
.2	.6							10.3	8.2	7.0
1.6	.2							15.9	7.6	7.0
.3								8.3	6.3	5.0
.4								7.4	6.7	6.0
.2								7.0	5.7	5.0
								10.4	6.8	6.5
//////////								16.7	//////////	
5.1	1.4							100.0	6.1	7.0

AL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: NOV HOURS: 09

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT. %
(N) 350-010	1.3	3.4	2.6	2.3	.6							10.
020-040	1.1	2.6	1.6	.4								5.
050-070	1.3	1.6	.6	.1								3.
(E) 080-100	.9	.8	.1									1.
110-130	.7	1.8										2.
140-160	.2	1.3	.7	.1								2.
(S) 170-190	2.3	3.0	3.4	1.0	.6	.2	.1					10.
200-220	4.1	7.4	4.7	1.9	.4							18.
230-250	2.2	4.7	2.6	.9								10.
(W) 260-280	1.8	3.0	1.4	.2								6.
290-310	2.6	3.8	1.8	.3	.1							8.
320-340	2.2	5.6	3.8	.6								12.
VARIABLE												
CALM	//////////											7.
TOTALS	20.7	39.0	23.3	7.8	1.7	.2	.1					100.

TOTAL NUMBER OF OBSERVATIONS 900

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

MF: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
: + 5 — MONTH: NOV HOURS: 09-11

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
2.3	.6							10.2	10.5	10.0
.4								5.7	8.0	8.0
.1								3.6	6.1	5.5
								1.8	4.6	4.5
								2.4	5.5	5.0
.1								2.3	8.6	8.0
1.0	.6	.2	.1					10.7	9.9	9.5
1.9	.4							18.6	8.5	8.0
.9								10.3	8.1	7.0
.2								6.4	6.8	6.0
.3	.1							8.6	7.0	7.0
.6								12.1	8.3	8.0
//////////								7.3	//////////	
7.3	1.7	.2	.1					100.0	7.7	8.0

L NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS W
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: NOV HOURS: 12-

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTA %
(N) 350-010	1.4	4.9	3.6	1.6	.7							12.1
020-040	1.1	2.9	3.3	.3								7.7
050-070	1.6	1.1	.4									3.1
(E) 080-100	.9	1.1										2.0
110-130	.4	1.1	.1									1.7
140-160	.4	1.9	.3									2.7
(S) 170-190	1.4	4.1	6.4	2.4	.1	.3						14.9
200-220	1.0	5.0	5.8	2.3	1.0	.3						15.4
230-250	1.7	3.3	3.2	1.0	.1							9.8
(W) 260-280	1.3	2.9	2.2	.3								6.8
290-310	1.2	3.8	3.8	.6	.1							9.4
320-340	2.2	5.3	4.3	1.2								13.1
VARIABLE												
CALM	//////////											1.3
TOTALS	14.5	37.9	33.4	9.7	2.0	.6						100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: NOV HOURS: 12-14

	WIND SPEED IN KNOTS										
14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.5	1.6	.7							12.1	9.7	9.0
.3	.3								7.7	8.7	9.0
.4									3.1	5.4	4.5
									2.0	4.6	5.0
.1									1.7	5.2	5.0
.3									2.7	6.9	7.0
.4	2.4	.1	.3						14.9	10.6	10.0
.7	2.3	1.0	.3						15.4	11.5	11.0
.2	1.0	.1							9.8	8.9	8.0
.2	.3								6.8	7.9	8.0
.3	.6	.1							9.4	9.1	9.0
.3	1.2								13.1	8.7	8.0
///											
///									1.3	///	///
.4	9.7	2.0	.6						100.0	9.1	9.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: NOV HOURS: 15

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT %
(N) 350-010	2.4	5.3	3.1	2.1	.1							13.
020-040	2.3	4.8	2.4	.2	.2							10.
050-070	1.9	1.4	.3									3.
(E) 080-100	1.0		.1									1.
110-130	.9	.7	.2									1.
140-160	1.5	1.0	.3	.1	.2							3.
(S) 170-190	1.9	4.9	6.6	1.6	.3	.2						15.
200-220	1.6	5.6	5.9	1.7	.3	.1						15.
230-250	1.0	3.8	1.9	.6	.1							7.
(W) 260-280	1.7	2.3	2.3	.2								6.
290-310	1.8	3.7	1.9	.7	.1							8.
320-340	1.9	6.3	3.2	.8	.2							12.
VARIABLE												
CALM	////////////

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC: + 5 MONTH: NOV HOURS: 15-17

	WIND SPEED IN KNOTS										
	0-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	9.1	2.1	.1							13.1	8.9	9.0
	7.4	.2	.2							10.0	7.5	7.0
	.3									3.7	4.8	4.0
	.1									1.1	3.6	3.0
	.2									1.8	5.1	3.5
	.3	.1	.2							3.2	6.9	6.0
	.4	1.6	.3	.2						15.3	10.1	10.0
	.4	1.7	.3	.1						15.1	10.1	10.0
	1.3	.6	.1							7.3	8.4	7.0
	2.3	.2								6.6	7.7	8.0
	1.9	.7	.1							8.1	8.2	8.0
	3.2	.8	.2							12.4	8.3	8.0
	////	////	////	////	////	////	////	////	////	2.2	////////////	
	.2	8.0	1.5	.3						100.0	6.4	8.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION MAW
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: NOV HOURS: 18-

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTA %
(N) 350-010	3.0	4.1	3.4	1.3	.1							12.0
020-040	2.7	3.1	2.2	.2								8.2
050-070	2.3	1.0	.2									3.6
(E) 080-100	.3	.6										1.3
110-130	1.4		.1									1.6
140-160	.7	2.0	.6	.4	.1							3.8
(S) 170-190	1.3	5.2	4.4	1.6	.7							13.1
200-220	3.0	6.9	5.0	.6	.2	.1						15.8
230-250	2.0	1.9	1.1	.4								5.4
(W) 260-280	2.6	2.3	1.8									6.7
290-310	3.1	4.2	1.1	.3	.1							8.9
320-340	3.7	4.3	2.7	.1								10.8
VARIABLE												
CALM	//////////////

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: + 5 MONTH: NOV HOURS: 18-20

	WIND SPEED IN KNOTS										
	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	[illegible]	1.3	.1							12.0	8.6	8.0
	[illegible]	.2								8.2	6.9	7.0
	[illegible]									3.6	4.1	3.0
										1.3	4.7	4.0
	.1									1.6	3.0	2.0
	[illegible]	.4	.1							3.8	8.1	6.0
	[illegible]	1.6	.7							13.7	9.8	9.0
	[illegible]	.6	.2	.1						15.8	8.2	8.0
	1.1	.4								5.4	7.3	6.0
	1.[illegible]									6.7	6.7	5.5
	1.1	.3	.1							8.9	6.5	6.0
	[illegible]	.1								10.8	6.7	6.0
	//									8.3	//////////	
	[illegible]	4.9	1.2	.1						100.0	6.9	7.0

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	2.2	3.4	2.8	1.6								10.0
020-040	1.1	2.6	1.9	.2								5.8
050-070	.8	.3	.1									1.2
(E) 080-100	1.7	1.0	.1									2.8
110-130	1.7	.6	.1									2.3
140-160	.9	1.0	.7		.1							2.6
(S) 170-190	1.4	5.4	3.1	.9	.1							11.0
200-220	3.6	6.9	5.9	.9	.3	.1						17.7
230-250	2.0	2.2	1.6	.6	.1							6.4
(W) 260-280	3.3	4.0	1.7	.3								9.3
290-310	3.4	4.4	.9									8.8
320-340	2.9	3.9	2.4	.3								9.6
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	12.6
TOTALS	24.9	35.7	21.3	4.8	.6	.1						100.0

TOTAL NUMBER OF OBSERVATIONS 900

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

E: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
+ 5 MONTH: NOV HOURS: 21-23

WIND SPEED IN KNOTS										
-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
1.6								10.0	8.8	8.0
.2								5.8	8.0	8.0
								1.2	5.2	4.0
								2.8	4.7	4.0
								2.3	3.8	3.0
	.1							2.6	7.7	6.0
.9	.1							11.0	8.7	8.0
.9	.3	.1						17.7	8.3	8.0
.6	.1							6.4	7.9	6.5
.3								9.3	6.7	6.0
								8.8	5.6	5.0
.3								9.6	7.3	7.0
//////////								12.6	//////////	
4.8	.6	.1						100.0	6.6	7.0

L NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSU
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: NOV HOURS:

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	T
(DEGREES)												
(N) 350-010	2.0	3.7	3.0	1.8	.3							1
020-040	1.7	2.6	2.1	.3	.0							
050-070	1.3	.9	.4	.0								
(E) 080-100	1.0	.6	.1									
110-130	.9	.9	.1									
140-160	.7	1.4	.5	.1	.1							
(S) 170-190	1.9	4.6	3.8	1.2	.3	.1	.0					1
200-220	3.4	6.7	4.7	1.5	.4	.1						1
230-250	2.3	3.2	1.8	.6	.1							
(W) 260-280	2.4	3.0	1.8	.3								
290-310	2.6	3.9	1.5	.3	.1							
320-340	2.3	5.0	3.0	.4	.0							1
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	////	1
TOTALS	22.9	36.5	22.8	6.5	1.3	.2						10

TOTAL NUMBER OF OBSERVATIONS 7200

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

N NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: +5 MONTH: NOV HOURS: ALL

14	WIND SPEED IN KNOTS 15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.0	1.8	.3							10.8	9.4	9.0
.1	.3	.0							6.8	7.8	7.5
.4	.0								2.6	5.5	5.0
.1									1.6	4.4	4.0
.1									1.9	4.9	5.0
.5	.1	.1							2.8	7.5	7.0
.	1.2	.3	.1	.0					11.7	9.4	9.0
.7	1.5	.4	.1						16.7	8.7	8.0
.	.6	.1							8.0	7.6	7.0
.	.3								7.5	7.0	6.0
.	.3	.1							8.2	6.8	6.0
.	.4	.0							11.3	7.6	7.0
///	///	///	///	///	///	///	///	///	10.0	///	///
	6.5	1.3	.2						100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL
(DEGREES)												%
(N) 350-010	2.0	5.6	6.0	3.8	.8							18.1
020-040	3.3	5.4	4.7	.6	.1							14.0
050-070	1.9	1.9	.4									4.2
(E) 080-100	1.4	1.3	.1									2.8
110-130	1.3	1.8	.4									3.5
140-160	.7	2.5	1.8	.4	.2							5.7
(S) 170-190	1.1	4.2	4.1	1.6	.6							11.6
200-220	2.3	4.3	3.7	1.1	.2							11.6
230-250	1.4	1.5	.4									3.3
(W) 260-280	1.1	1.1	1.1									3.2
290-310	1.0	2.2	.6	.2								3.9
320-340	2.5	3.9	4.1	.6	.1							11.2
VARIABLE												
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	7.0
TOTALS	20.0	35.7	27.4	8.3	2.0							100.0

TOTAL NUMBER OF OBSERVATIONS 1808

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: NOV HOURS: ALL

SS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
E (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

	WIND SPEED IN KNOTS									
	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
0	3.8	.8							18.1	10.8	10.0
7	.6	.1							14.0	8.0	8.0
4									4.2	5.4	5.0
5									2.8	4.9	5.0
9									3.5	5.7	5.0
0	.4	.2							5.7	9.2	8.0
9	1.6	.6							11.6	10.4	10.0
7	1.1	.2							11.6	9.0	9.0
7									3.3	5.7	5.0
6									3.2	7.0	7.0
8	.2								3.9	6.9	6.0
	.6	.1							11.2	8.5	8.0
	////	////	////	////	////	////	////	////	7.0	////	////
4	8.3	2.0							100.0	8.0	8.0

TOTAL NUMBER OF OBSERVATIONS 1808

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: DEC HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	1.2	1.3	2.8	1.2	.6	.1	.1					7.3
020-040	1.7	1.1	.4	.2	.1							3.5
050-070	.3	.6										1.0
(E) 080-100	.8	.5										1.3
110-130	1.0	.5	.1									1.6
140-160	1.0	1.9	.5									3.4
(S) 170-190	1.7	3.2	2.6	1.5	.1	.1						9.2
200-220	5.5	5.9	2.9	1.4	1.2	.2						17.1
230-250	4.0	4.1	1.5									9.6
(W) 260-280	5.6	5.6	2.4									13.5
290-310	2.3	4.7	2.4	.2	.1							10.2
320-340	2.3	4.7	2.8	1.0								10.8
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	////	11.4
TOTALS	27.9	34.1	18.4	5.5	2.1	.4	.1					100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: DEC HOURS: 00-02

	WIND SPEED IN KNOTS										
4	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1.2	.6	.1	.1					7.3	12.0	12.0
	.2	.1							3.5	6.7	6.0
									1.0	5.6	5.0
									1.3	3.9	4.0
									1.6	4.4	4.0
									3.4	6.8	7.0
	1.5	.1	.1						9.2	9.6	9.0
	1.4	1.2	.2						17.1	8.4	7.0
									9.6	5.6	5.0
									13.5	5.8	5.0
	.2	.1							10.2	7.3	7.0
	1.0								10.8	8.0	8.0
///	///	///	///	///	///	///	///	///	11.4	///	///
	5.5	2.1	.4	.1					100.0	6.8	7.0

ITAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: DEC HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	1.3	2.0	2.7	.6	.5		.2	.1				7.5
020-040	1.5	1.1	1.1									3.7
050-070	.6	.3										1.0
(E) 080-100	.9	.9										1.7
110-130	1.0	.4	.1									1.5
140-160	.8	1.5	.4									2.7
(S) 170-190	2.0	3.1	2.8	1.5	.1							9.6
200-220	4.6	4.6	3.4	1.3	1.1							15.1
230-250	6.1	3.7	.6									10.4
(W) 260-280	5.1	4.6	1.2	.2								11.1
290-310	3.9	6.5	2.3	.4								13.0
320-340	2.4	4.4	3.1	.2	.1							10.2
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	////	12.6
TOTALS	30.2	33.1	17.7	4.2	1.8		.2	.1				100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: DEC HOURS: 03-05

	WIND SPEED IN KNOTS										
	1-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	.7	.6	.5		.2	.1				7.5	10.8	10.0
	1.1									3.7	6.8	5.5
										1.0	3.9	3.0
										1.7	4.6	4.5
	.1									1.5	4.6	4.0
	.4									2.7	6.8	6.0
	.8	1.5	.1							9.6	9.1	8.0
	.4	1.3	1.1							15.1	8.5	7.0
	.6									10.4	4.7	4.0
	.2	.2								11.1	5.5	5.0
	.3	.4								13.0	6.8	6.0
	.1	.2	.1							10.2	7.8	8.0
	////	////	////	////	////	////	////	////	////	12.6	////////////	
	.7	4.2	1.8		.2	.1				100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: DEC HOURS: 06

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT %
(N) 350-010	1.9	2.2	2.6	1.6	.6	.2	.1					9.
020-040	1.1	1.1	1.2	.3	.1							3.
050-070	1.1	.6										1.
(E) 080-100	.9	.1										1.
110-130	.4	.4										.
140-160	1.2	1.4	.3									2.
(S) 170-190	2.0	3.3	3.0	1.1	.2							9.
200-220	4.2	4.9	3.7	1.5	.9							15.
230-250	5.1	4.1	1.0	.1								10.
(W) 260-280	4.7	4.9	.9									10.
290-310	4.5	6.1	1.6	.1								12.
320-340	2.0	3.9	3.0	1.0	.1							10.
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	////	12.
TOTALS	29.1	33.0	17.3	5.7	1.9	.2	.1					100.

TOTAL NUMBER OF OBSERVATIONS 930

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

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: DEC HOURS: 06-08

	WIND SPEED IN KNOTS									
	16-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1.6	.6	.2	.1					9.2	10.9	10.5
	.3	.1							3.8	8.5	8.0
									1.7	4.8	4.0
									1.0	3.4	4.0
									.9	4.9	4.5
									2.9	5.8	6.0
	1.1	.2							9.7	8.7	8.0
	1.5	.9							15.2	8.8	8.0
	.1								10.2	5.2	5.0
									10.5	5.2	5.0
	.1								12.4	6.0	6.0
	1.0	.1							10.0	8.8	8.0
///											
	////////////

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: DEC HOURS: 09

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT %
(N) 350-010	1.8	2.4	2.7	1.1	.5	.1						8.
020-040	1.2	1.3	1.4	.5								4.
050-070	.3	.3	.3									1.
(E) 080-100	.3	.5										.
110-130	.3	1.5	.1									2.
140-160	.5	.5	.3									1.
(S) 170-190	3.3	2.3	2.5	1.6	.4							10.
200-220	3.5	5.1	4.3	1.9	.3							16.
230-250	4.2	5.4	1.7	.3								11.
(W) 260-280	3.4	4.4	1.0	.2								9.
290-310	3.0	3.2	2.0	.1								13.
320-340	2.0	4.3	4.2	1.3	.1							11.
VARIABLE												
CALM	//////////											7.
TOTALS	24.9	36.3	22.1	6.9	1.9	.1						100.

TOTAL NUMBER OF OBSERVATIONS 930

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

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: DEC HOURS: 09-11

	WIND SPEED IN KNOTS									
	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	1.1	.5	.1						8.6	10.1	10.0
	.5								4.4	8.4	8.0
									1.9	5.7	5.0
									.9	5.5	5.5
									2.4	5.8	6.0
									1.9	7.6	8.5
	1.6	.4							10.1	9.0	8.0
	1.8	.3							16.0	9.1	8.0
	.3								11.6	6.3	6.0
	.2								9.7	6.3	6.0
	.1								13.3	6.7	7.0
	1.3	.1							11.9	9.2	9.0
///	///	///	///	///	///	///	///	///	7.2	///	///
	5.9	1.8	.1						100.0	7.4	7.0

TAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: DEC HOURS: 12-1

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	1.3	3.3	4.4	1.9	.5							11.5
020-040	1.8	2.2	1.1	.4		.1						5.6
050-070	.9	.4	.3									1.6
(E) 080-100	.5	.2	.1									.9
110-130	.5	.6	.2									1.4
140-160	.4	2.7	1.2									4.3
(S) 170-190	1.3	1.6	1.8	2.3	.2	.1						7.3
200-220	1.5	6.6	5.1	2.8	1.1							17.0
230-250	2.2	3.5	3.3	.5								9.6
(W) 260-280	1.6	4.4	2.7	.8								9.5
290-310	2.3	7.1	4.8	.8	.1							15.1
320-340	1.1	4.6	4.4	1.9	.3							12.4
VARIABLE												
CALM	////////////

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

STN NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
GMT UTC: + 5 MONTH: DEC HOURS: 12-14

	WIND SPEED IN KNOTS										
1-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
4.4	1.9	.5							11.5	10.7	10.0
1.1	.4		.1						5.6	7.7	6.0
.3									1.6	5.0	4.0
.1									.9	4.9	4.0
.3									1.4	5.8	6.0
1.2									4.3	7.8	7.5
1.4	2.3	.2	.1						7.3	11.2	11.0
3.1	2.8	1.1							17.0	10.6	10.0
1.3	.5								9.6	8.2	8.0
3.7	.8								9.5	8.4	8.5
4.3	.8	.1							15.1	8.3	8.0
3.4	1.9	.3							12.4	10.2	10.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	4.0	//////////	//////////
3.4	11.4	2.2	.2						100.0	8.9	9.0

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	1.8	4.3	3.5	1.1	.2							11.0
020-040	1.2	2.0	.9	.4	.3							4.8
050-070	.3	.9										1.2
(E) 080-100	.9	.3										1.2
110-130	.5	.9										1.4
140-160	.5	1.7	.9									3.1
(S) 170-190	2.2	3.1	2.5	2.5	.4							10.6
200-220	1.7	6.5	5.1	2.4	.6	.2						16.5
230-250	1.4	4.3	1.5	.3								7.5
(W) 260-280	2.6	3.9	2.8	.6	.2							10.1
290-310	3.0	6.0	4.3	.5								13.9
320-340	2.0	5.8	5.1	.5	.1							13.8
VARIABLE												
CALM	//////////////

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

E: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
+ 5 MONTH: DEC HOURS: 15-17

WIND SPEED IN KNOTS										
5-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
1.1	.2							11.0	9.1	8.0
.4	.3							4.8	8.9	8.0
								1.2	4.7	5.0
								1.2	3.6	4.0
								1.4	5.1	5.0
								3.1	7.4	8.0
2.5	.4							10.6	10.0	10.0
2.4	.6	.2						16.5	10.1	10.0
.3								7.5	7.5	7.0
.6	.2							10.1	8.1	8.0
.5								13.9	7.8	7.0
.3	.1							13.8	8.8	9.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	4.9	//////////	//////////
1.6	1.8	.2						100.0	8.2	8.0

NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: DEC HOURS: 1

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TO
(N) 350-010	2.3	1.8	2.2	1.1	.1							7
020-040	1.0	1.4	.8	.4	.2	.1						3
050-070	.4	.8	.1									1
(E) 080-100	.4	.5		.1								1
110-130	.9	.8	.1									1
140-160	1.3	1.4	.6									3
(S) 170-190	1.5	4.1	3.0	1.1	.4	.3						10
200-220	3.7	4.9	4.0	1.3	.9	.1						14
230-250	3.9	4.1	1.6	.1	.3							10
(W) 260-230	3.2	3.2	2.0	.4								8
290-310	3.7	4.8	2.0	.2								10
320-340	3.0	4.8	4.5	.8								13
VARIABLE												
CALM	////	////	////	////	////	////	////	////	////	////	////	13
TOTALS	25.3	32.6	20.9	5.5	1.9	.5						100

TOTAL NUMBER OF OBSERVATIONS 930

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

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: DEC HOURS: 18-20

WIND SPEED IN KNOTS								TOTAL %	MEAN WIND	MEDIAN WIND
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
1.1	.1							7.4	8.8	8.0
.4	.2	.1						3.9	9.3	8.0
								1.3	5.1	5.0
.1								1.1	6.3	5.5
								1.7	4.3	3.5
								3.3	6.2	6.0
1.1	.4	.3						10.4	10.1	9.0
1.3	.9	.1						14.8	9.0	8.0
.1	.3							10.0	6.6	6.0
.4								8.9	6.5	6.0
.2								10.8	6.6	6.0
.8								13.1	8.1	8.0
//								13.2	//////////	
5.5	1.9	.5						100.0	6.8	7.0

TAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS W
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: DEC HOURS: 21-

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTA %
(N) 350-010	2.8	.8	2.6	1.5	.2	.2						8.1
020-040	.1	1.0	.8	.2	.1							2.2
050-070	.5	.9	.1									1.5
(E) 080-100	.4	.4										.9
110-130	.5	1.0	.1									1.6
140-160	1.6	1.5	.4									3.5
(S) 170-190	2.3	4.2	2.4	1.4	.5							10.8
200-220	3.3	6.6	4.2	1.3	.9							16.2
230-250	4.4	4.0	1.3		.1							9.8
(W) 260-280	4.1	5.2	2.2	.2								11.6
290-310	3.8	4.2	1.9	.2								10.1
320-340	2.4	3.5	5.4	.5								11.8
VARIABLE												
CALM	//////////											11.9
TOTALS	26.2	33.3	21.4	5.3	1.8	.2						100.0

TOTAL NUMBER OF OBSERVATIONS 930

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

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: DEC HOURS: 21-23

WIND SPEED IN KNOTS										
15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
1.5	.2	.2						8.1	9.6	10.0
.2	.1							2.2	10.0	9.5
								1.5	5.3	5.5
								.9	4.6	4.5
								1.6	5.1	6.0
								3.5	5.5	5.0
1.4	.5							10.8	9.0	8.0
1.3	.9							16.2	8.8	8.0
	.1							9.8	5.8	5.0
.2								11.6	6.4	6.0
.2								10.1	6.5	6.0
.5								11.8	8.6	9.5
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	11.9	//////////	//////////
5.3	1.8	.2						100.0	6.8	7.0

TAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: DEC HOURS: A

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TO
(DEGREES)												
(N) 350-010	1.8	2.3	2.9	1.3	.4	.1	.1	.0				8
020-040	1.2	1.4	.9	.3	.1	.0						4
050-070	.6	.7	.1									1
(E) 080-100	.6	.4	.0	.0								1
110-130	.7	.8	.1									1
140-160	.9	1.6	.6									3
(S) 170-190	2.0	3.1	2.6	1.6	.3	.1						9
200-220	3.5	5.6	4.1	1.7	.9	.1						16
230-250	3.9	4.1	1.6	.2	.1							9
(W) 260-280	3.8	4.5	2.0	.3	.0							10
290-310	3.4	6.0	2.7	.3	.0							12
320-340	2.2	4.5	4.1	.9	.1							11
VARIABLE												
CALM	////////////

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC: + 5 MONTH: DEC HOURS: ALL

	WIND SPEED IN KNOTS										
	14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
	.9	1.3	.4	.1	.1	.0				8.8	10.2	10.0
	.3	.3	.1	.0						4.0	8.2	8.0
	.1									1.4	5.1	5.0
	.3	.0								1.1	4.6	4.0
	.1									1.6	5.0	5.0
	.3									3.2	6.7	6.0
	.4	1.6	.3	.1						9.7	9.6	9.0
	.1	1.7	.9	.1						16.0	9.2	8.0
	.5	.2	.1							9.8	6.2	6.0
	.0	.3	.0							10.6	6.5	6.0
	.7	.3	.0							12.3	7.1	7.0
	.1	.9	.1							11.7	8.7	8.0
	////	////	////	////	////	////	////	////	////	9.7	////	////
	.7	6.6	1.9	.3	.1					100.0	7.2	7.0

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: DEC HOURS: AL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILI

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOT
(DEGREES)												%
(N) 350-010	2.1	4.2	6.3	3.2	.7							16.
020-040	2.1	2.9	2.3	.5	.1							7.
050-070	1.2	1.1	.3									2.
(E) 080-100	1.0	1.2	.0	.0								2.
110-130	1.1	1.7	.2									3.
140-160	1.4	2.9	1.9									6.
(S) 170-190	1.7	3.0	4.6	3.4	.6	.0						13.
200-220	2.2	3.8	3.8	1.9	1.4	.0						13.
230-250	1.5	1.4	.5	.0	.0							3.
(W) 260-280	1.7	1.2	.8	.1								3.
290-310	2.1	3.0	1.1	.2	.0							6.
320-340	1.7	4.7	5.3	1.8	.2							13.
VARIABLE												
CALM	//////////////

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

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: DEC HOURS: ALL

LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

	WIND SPEED IN KNOTS										
-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
.3	3.2	.7							16.5	10.8	11.0
.3	.5	.1							7.9	8.2	8.0
.3									2.5	5.5	5.0
.0	.0								2.2	5.2	5.0
.2									3.0	5.4	5.5
1.9									6.2	7.4	7.0
.4	3.4	.6	.0						13.3	11.4	11.0
.3	1.9	1.4	.0						13.1	10.6	10.0
.3	.0	.0							3.9	5.7	5.0
.	.1								3.8	6.1	5.0
.1	.2	.0							6.4	6.6	6.0
.3	1.8	.2							13.8	9.9	10.0
////	////	////	////	////	////	////	////	////	7.3	////	////
7.1	11.1	3.0							100.0	8.4	8.0

TOTAL NUMBER OF OBSERVATIONS 2080

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	2.7	4.1	3.8	1.6	.6	.1	.0	.0	.0			13.0
020-040	2.4	5.0	2.4	.4	.1	.0						10.3
050-070	1.6	1.5	.3	.0								3.5
(E) 080-100	1.0	.6	.1	.0	.0							1.7
110-130	.9	.3	.1	.0								1.3
140-160	1.2	1.9	.8	.1	.0	.0	.0					4.0
(S) 170-190	2.3	4.7	3.7	1.2	.3	.0	.0					12.3
200-220	3.4	5.3	3.4	1.0	.3	.0	.0	.0				13.5
230-250	2.4	2.5	1.2	.2	.0	.0	.0					6.4
(W) 260-280	2.2	2.2	.9	.1	.0	.0						5.5
290-310	2.4	3.0	1.4	.3	.1	.0						7.1
320-340	2.0	3.2	2.5	.7	.2	.0	.0					8.5
VARIABLE												
CALM	//////////////

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

F: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
+ 5 — MONTH: ALL HOURS: ALL

WIND SPEED IN KNOTS 1-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
1.6	.6	.1	.0	.0	.0			13.0	9.6	9.0
.4	.1	.0						10.3	7.6	7.0
.0								3.5	5.2	5.0
.0	.0							1.7	4.5	4.0
.0								1.8	5.1	5.0
.1	.0	.0	.0					4.0	7.0	7.0
1.2	.3	.0	.0					12.3	8.9	8.0
1.3	.3	.0	.0	.0				13.5	8.1	8.0
.2	.0	.0	.0					6.4	6.6	6.0
.1	.0	.0						5.5	6.2	5.0
.3	.1	.0						7.1	6.9	6.0
.7	.2	.0	.0					8.6	8.4	8.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	12.4	//////////	//////////
.6	1.6	.1						100.0	6.8	7.0

NUMBER OF OBSERVATIONS: 87567

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIN
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %
(N) 350-010	2.2	6.4	7.8	3.9	1.3	.1						21.7
020-040	2.9	5.8	3.6	.8	.2	.0						13.4
050-070	1.7	1.6	.3	.0								3.6
(E) 080-100	1.3	1.0	.1	.0	.0							2.5
110-130	1.0	1.3	.3	.0								2.6
140-160	1.3	2.7	1.6	.2	.0	.0	.0					5.5
(S) 170-190	1.7	4.8	5.0	1.9	.5	.0						13.9
200-220	2.0	4.4	3.2	.9	.3	.0		.0				10.7
230-250	1.4	1.2	.4	.1	.0							3.1
(W) 260-280	1.1	.9	.4	.1	.0	.0						2.6
290-310	1.2	1.6	.7	.3	.0							3.9
320-340	1.4	3.5	3.7	1.3	.3	.0	.0					10.3
VARIABLE												
CALM	////////////

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

: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
+ 5 — MONTH: ALL HOURS: ALL

HAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
0/OR
300 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

WIND SPEED IN KNOTS										
-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
8.9	1.3	.1						21.7	11.0	10.0
.5	.2	.0						13.4	8.1	8.0
.0								3.6	5.3	5.0
.0	.0							2.5	5.0	4.0
.0								2.6	5.7	6.0
.2	.0	.0	.0					5.8	7.8	7.0
1.9	.5	.0						13.9	10.1	10.0
.9	.3	.0		.0				10.7	8.7	8.0
.1	.0							3.1	5.7	5.0
.1	.0	.0						2.6	6.0	5.0
.3	.0							3.9	7.3	6.5
1.3	.3	.0	.0					10.3	9.9	10.0
//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	6.0	//////////	//////////
9.5	2.6	.1						100.0	8.4	8.0

NUMBER OF OBSERVATIONS: 16969

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PPPPPPPP      AAAAAA      RRRRRRRR      TTTTTTTTTT      DDDDDDDD
PPPPPPPPP     AAAAAAAA     RRRRRRRRR     TTTTTTTTTT      DDDDDDDDD
PP      PP    AA    AA    RR      RR        TT          DD      DD
PP      PP    AA    AA    RR      RR        TT          DD      DD
PPPPPPPPP     AA    AA    RRRRRRRRR       TT          DD      DD
PPPPPPPP      AAAAAAAAAA    RRRRRRRR        TT          DD      DD
PP            AAAAAAAAAA    RR    RR        TT          DD      DD
PP            AA    AA    RR      RR        TT          DD      DD
PP            AA    AA    RR      RR        TT          DDDDDDDDD
PP            AA    AA    RR      RR        TT          DDDDDDDDD
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PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).
CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET--"NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.
ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURRED, OR TOTALLY OBSCURRED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS," HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBIL
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 — MONTH: JAN — HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	30.6	30.8	30.8	30.8	31.3	31.3	31.4	31.6	31.7	31.7	31.8	31.8	31.8
GE 20000	31.5	31.6	31.7	31.7	32.3	32.3	32.4	32.6	32.7	32.7	32.9	32.9	32.9
GE 18000	31.9	32.0	32.2	32.2	32.7	32.7	32.8	33.0	33.1	33.1	33.3	33.3	33.3
GE 16000	31.9	32.0	32.2	32.2	32.7	32.7	32.8	33.0	33.1	33.1	33.3	33.3	33.3
GE 14000	32.0	32.2	32.3	32.3	32.8	32.8	32.9	33.1	33.2	33.2	33.4	33.4	33.4
GE 12000	32.8	32.9	33.0	33.0	33.5	33.5	33.7	33.9	34.0	34.0	34.2	34.2	34.2
GE 10000	33.9	34.0	34.1	34.1	34.6	34.6	34.7	34.9	35.1	35.1	35.3	35.3	35.3
GE 9000	34.1	34.2	34.3	34.3	34.8	34.8	34.9	35.2	35.3	35.3	35.5	35.5	35.5
GE 8000	34.8	34.9	35.3	35.3	35.8	35.8	35.9	36.1	36.2	36.2	36.5	36.5	36.5
GE 7000	35.8	35.9	36.2	36.2	36.8	36.8	36.9	37.2	37.3	37.3	37.5	37.5	37.5
GE 6000	36.1	36.2	36.6	36.6	37.1	37.1	37.2	37.5	37.6	37.6	37.8	37.8	37.8
GE 5000	37.2	37.3	37.6	37.7	38.3	38.3	38.4	38.7	38.8	38.8	39.0	39.0	39.0
GE 4500	37.7	37.8	38.2	38.4	38.9	38.9	39.1	39.5	39.6	39.6	39.8	39.8	39.8
GE 4000	39.7	39.8	40.1	40.3	41.0	41.0	41.3	41.6	41.7	41.7	41.9	41.9	41.9
GE 3500	41.1	41.2	41.6	41.9	42.7	42.7	43.0	43.3	43.4	43.4	43.9	43.9	43.9
GE 3000	43.9	44.3	45.1	45.5	47.0	47.1	47.4	47.7	47.8	47.8	48.3	48.3	48.3
GE 2500	49.9	50.3	51.4	52.0	54.2	54.3	54.8	55.4	55.7	55.8	56.2	56.2	56.2
GE 2000	53.3	54.2	56.1	56.8	59.4	59.6	61.0	62.4	62.9	63.0	63.4	63.4	63.4
GE 1800	56.1	56.6	58.8	59.5	62.5	62.7	64.3	65.8	66.3	66.5	66.9	66.9	66.9
GE 1500	59.9	60.3	62.9	63.5	66.8	67.8	69.8	72.2	73.7	74.3	75.3	75.3	75.3
GE 1200	61.6	62.0	64.8	65.6	69.5	70.5	73.4	75.9	77.6	78.3	79.4	79.4	79.5
GE 1000	63.2	63.7	66.8	67.7	72.0	73.1	76.6	79.2	81.2	81.9	83.0	83.0	83.1
GE 900	64.0	64.7	67.8	68.8	73.2	74.3	77.8	81.1	83.3	84.2	85.3	85.3	85.4
GE 800	64.6	65.5	68.6	69.6	74.0	75.2	79.0	82.4	84.6	85.7	86.8	86.8	86.9
GE 700	65.1	65.9	69.1	70.3	75.2	76.5	80.3	83.8	86.3	87.5	89.0	89.1	89.2
GE 600	66.1	67.0	70.4	71.6	76.5	77.8	81.8	85.6	88.4	89.6	91.2	91.3	91.5
GE 500	66.3	67.3	70.8	72.0	77.0	78.4	82.4	86.1	89.6	90.9	92.7	92.8	93.0
GE 400	66.3	67.3	70.8	72.4	77.5	79.1	83.5	87.5	91.0	92.6	94.4	94.5	94.9
GE 300	66.7	67.6	71.1	72.7	78.1	79.6	84.0	88.4	92.5	94.5	96.5	96.7	97.5
GE 200	66.7	67.6	71.1	72.7	78.1	79.6	84.0	88.5	92.7	94.8	97.0	97.2	98.1
GE 100	66.7	67.6	71.1	72.7	78.1	79.6	84.0	88.5	92.7	94.8	97.1	97.3	98.2
GE 000	66.7	67.6	71.1	72.7	79.1	79.6	84.0	88.5	92.7	94.8	97.1	97.3	98.2

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

TION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: JAN HOURS: 00-02

CEILING	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	30.8	31.3	31.3	31.4	31.6	31.7	31.7	31.8	31.8	31.8	31.9	31.9	31.9
	31.7	32.3	32.3	32.4	32.6	32.7	32.7	32.9	32.9	32.9	33.0	33.0	33.0
	32.2	32.7	32.7	32.8	33.0	33.1	33.1	33.3	33.3	33.3	33.4	33.4	33.4
	32.2	32.7	32.7	32.8	33.0	33.1	33.1	33.3	33.3	33.3	33.4	33.4	33.4
	32.3	32.8	32.8	32.9	33.1	33.2	33.2	33.4	33.4	33.4	33.5	33.5	33.5
	33.0	33.5	33.5	33.7	33.9	34.0	34.0	34.2	34.2	34.2	34.3	34.3	34.3
	34.1	34.6	34.6	34.7	34.9	35.1	35.1	35.3	35.3	35.3	35.4	35.4	35.4
	34.3	34.8	34.8	34.9	35.2	35.3	35.3	35.5	35.5	35.5	35.6	35.6	35.6
	35.3	35.8	35.8	35.9	36.1	36.2	36.2	36.5	36.5	36.5	36.6	36.6	36.6
	36.2	36.8	36.8	36.9	37.2	37.3	37.3	37.5	37.5	37.5	37.6	37.6	37.6
	36.6	37.1	37.1	37.2	37.5	37.6	37.6	37.8	37.8	37.8	38.0	38.0	38.0
	37.7	38.3	38.3	38.4	38.7	38.8	38.8	39.0	39.0	39.0	39.1	39.1	39.1
	38.4	38.9	38.9	39.1	39.5	39.6	39.6	39.8	39.8	39.8	39.9	39.9	39.9
	40.3	41.0	41.0	41.3	41.6	41.7	41.7	41.9	41.9	41.9	42.0	42.0	42.0
	41.9	42.7	42.7	43.0	43.3	43.4	43.4	43.9	43.9	43.9	44.0	44.0	44.0
	46.5	47.0	47.1	47.4	47.7	47.8	47.8	48.3	48.3	48.3	48.4	48.4	48.4
	52.0	54.2	54.3	54.8	55.4	55.7	55.8	56.2	56.2	56.2	56.3	56.3	56.3
	56.8	59.4	59.6	61.0	62.4	62.9	63.0	63.4	63.4	63.4	63.5	63.5	63.5
	59.5	62.5	62.7	64.3	65.8	66.3	66.5	66.9	66.9	66.9	67.0	67.0	67.0
	63.5	66.8	67.8	69.8	72.2	73.7	74.3	75.3	75.3	75.3	75.4	75.4	75.4
	65.6	69.5	70.5	73.4	75.9	77.6	78.3	79.4	79.4	79.5	79.8	79.8	79.8
	67.7	72.0	73.1	76.6	79.2	81.2	81.9	83.0	83.0	83.1	83.4	83.4	83.4
	68.6	73.2	74.3	77.8	81.1	83.3	84.2	85.3	85.3	85.4	85.7	85.7	85.7
	69.6	74.0	75.2	79.0	82.4	84.6	85.7	86.8	86.8	86.9	87.2	87.2	87.2
	70.3	75.2	76.5	80.3	83.8	86.3	87.5	89.0	89.1	89.2	89.6	89.6	89.6
	71.6	76.5	77.8	81.8	85.6	88.4	89.6	91.2	91.3	91.5	91.8	91.8	91.8
	72.0	77.0	78.4	82.4	86.1	89.6	90.9	92.7	92.8	93.0	93.3	93.4	93.4
	72.4	77.6	79.1	83.5	87.5	91.0	92.6	94.4	94.5	94.9	95.4	95.6	95.8
	72.7	78.1	79.6	84.0	88.4	92.5	94.5	96.5	96.7	97.5	98.0	98.5	98.7
	72.7	78.1	79.6	84.0	88.5	92.7	94.8	97.0	97.2	98.1	98.6	99.5	99.7
	72.7	78.1	79.6	84.0	88.5	92.7	94.8	97.1	97.3	98.2	98.7	99.6	100.0
	72.7	78.1	79.6	84.0	88.5	92.7	94.8	97.1	97.3	98.2	98.7	99.6	100.0

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OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 — MONTH: JAN — HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	30.1	30.3	30.3	30.3	30.9	31.3	31.3	31.6	31.7	31.8	31.8	31.8	31.8
GE 20000	30.8	31.0	31.0	31.0	31.7	32.2	32.2	32.5	32.6	32.7	32.7	32.7	32.7
GE 18000	31.3	31.5	31.5	31.5	32.3	32.7	32.7	33.0	33.1	33.2	33.2	33.2	33.2
GE 16000	31.3	31.5	31.5	31.5	32.3	32.7	32.7	33.0	33.1	33.2	33.2	33.2	33.2
GE 14000	31.3	31.5	31.5	31.5	32.3	32.7	32.7	33.0	33.1	33.2	33.2	33.2	33.2
GE 12000	32.2	32.4	32.4	32.4	33.1	33.5	33.5	33.9	34.0	34.1	34.1	34.1	34.1
GE 10000	33.4	33.7	33.7	33.7	34.4	34.8	34.8	35.2	35.3	35.4	35.4	35.4	35.4
GE 9000	33.4	33.7	33.7	33.7	34.4	34.8	34.8	35.2	35.3	35.4	35.4	35.4	35.4
GE 8000	34.3	34.5	34.7	34.7	35.5	35.9	35.9	36.2	36.3	36.5	36.5	36.5	36.5
GE 7000	35.5	35.9	36.1	36.1	37.0	37.4	37.4	37.7	37.8	38.0	38.0	38.0	38.0
GE 6000	36.2	36.7	36.9	36.9	37.7	38.2	38.2	38.5	38.6	38.7	38.7	38.7	38.7
GE 5000	37.8	38.3	38.6	38.6	39.5	39.9	39.9	40.2	40.3	40.4	40.4	40.4	40.4
GE 4500	39.4	39.8	40.1	40.1	41.1	41.5	41.5	41.8	41.9	42.0	42.0	42.0	42.0
GE 4000	41.2	41.7	42.0	42.4	43.3	44.2	44.3	44.6	44.7	44.8	44.8	44.8	44.8
GE 3500	42.9	43.4	43.8	44.1	45.5	45.9	46.0	46.3	46.5	46.6	46.6	46.6	46.6
GE 3000	45.9	46.5	46.9	47.2	48.9	49.4	49.6	50.1	50.2	50.3	50.3	50.3	50.3
GE 2500	48.9	49.6	50.4	50.8	53.0	53.7	54.2	54.8	54.9	55.1	55.2	55.2	55.2
GE 2000	54.1	54.7	56.3	56.8	59.9	61.0	62.3	63.2	63.5	63.8	63.9	63.9	63.9
GE 1800	56.2	56.9	58.8	59.2	62.5	63.7	65.3	66.3	66.7	66.9	67.0	67.0	67.0
GE 1500	59.8	60.5	62.8	63.3	67.6	69.4	72.0	74.2	75.9	76.2	76.8	76.8	76.8
GE 1200	61.4	62.2	64.4	65.1	69.7	71.4	74.6	77.0	78.8	79.2	79.8	79.8	79.8
GE 1000	62.6	63.3	65.6	66.6	71.5	73.3	77.0	79.4	81.2	81.8	82.6	82.6	82.6
GE 900	63.7	64.4	66.7	67.6	72.7	74.5	78.5	81.0	82.9	83.5	84.3	84.3	84.3
GE 800	64.8	65.6	67.8	68.8	74.0	75.8	80.0	82.7	84.7	85.4	86.1	86.1	86.1
GE 700	65.5	66.2	68.6	69.6	74.8	76.7	81.0	84.0	86.2	87.0	88.2	88.2	88.2
GE 600	66.2	67.0	69.4	70.4	76.5	78.4	82.7	86.0	88.3	89.0	90.2	90.2	90.4
GE 500	66.7	67.4	69.8	70.9	77.0	79.0	83.5	87.4	90.2	91.1	92.8	92.8	93.1
GE 400	66.7	67.7	70.2	71.3	78.0	80.0	84.9	89.2	92.3	93.4	95.2	95.2	95.9
GE 300	66.8	67.8	70.4	71.5	78.2	80.2	85.5	90.1	93.3	94.6	96.7	96.8	97.4
GE 200	66.9	68.0	70.5	71.6	78.6	80.6	85.9	90.5	94.0	95.6	97.6	97.7	98.5
GE 100	66.9	68.0	70.5	71.6	78.6	80.6	85.9	90.5	94.1	95.7	97.7	97.8	98.6
GE 000	66.9	68.0	70.5	71.6	78.6	80.6	85.9	90.5	94.1	95.7	97.7	97.8	98.6

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

TION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: JAN HOURS: 03-05

CEILING GE	VISIBILITY IN STATUTE MILES GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	30.3	30.9	31.3	31.3	31.6	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8
	31.0	31.7	32.2	32.2	32.5	32.6	32.7	32.7	32.7	32.7	32.7	32.7	32.7
	31.5	32.3	32.7	32.7	33.0	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2
	31.5	32.3	32.7	32.7	33.0	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2
	31.5	32.3	32.7	32.7	33.0	33.1	33.2	33.2	33.2	33.2	33.2	33.2	33.2
	32.4	33.1	33.5	33.5	33.9	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1
	33.7	34.4	34.8	34.8	35.2	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4
	33.7	34.4	34.8	34.8	35.2	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4
	34.7	35.5	35.9	35.9	36.2	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5
	36.1	37.0	37.4	37.4	37.7	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0
	36.9	37.7	38.2	38.2	38.5	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7
	38.6	39.5	39.9	39.9	40.2	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4
	40.1	41.1	41.5	41.5	41.8	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0
	42.4	43.8	44.2	44.3	44.6	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8
	44.1	45.5	45.9	46.0	46.3	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6
	47.2	48.9	49.4	49.6	50.1	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3
	50.3	53.0	53.7	54.2	54.8	54.9	55.1	55.2	55.2	55.2	55.2	55.2	55.2
	56.3	59.9	61.0	62.3	63.2	63.5	63.8	63.9	63.9	63.9	63.9	64.0	64.0
	59.2	62.5	63.7	65.3	66.3	66.7	66.9	67.0	67.0	67.0	67.0	67.1	67.1
	63.3	67.6	69.4	72.0	74.2	75.9	76.2	76.8	76.8	76.8	76.8	76.9	76.9
	65.1	69.7	71.4	74.6	77.0	78.8	79.2	79.8	79.8	79.8	79.8	79.9	79.9
	66.6	71.5	73.3	77.0	79.4	81.2	81.8	82.6	82.6	82.6	82.6	82.7	82.7
	67.5	72.7	74.5	78.5	81.0	82.9	83.5	84.3	84.3	84.3	84.4	84.7	84.7
	68.8	74.0	75.8	80.0	82.7	84.7	85.4	86.1	86.1	86.1	86.2	86.8	86.8
	69.6	74.8	76.7	81.0	84.0	86.2	87.0	88.2	88.2	88.2	88.3	88.8	88.8
	70.4	76.5	78.4	82.7	86.0	88.3	89.0	90.2	90.2	90.4	90.5	91.1	91.1
	70.9	77.0	79.0	83.5	87.4	90.2	91.1	92.8	92.8	93.1	93.2	93.8	93.8
	71.3	78.0	80.0	84.9	89.2	92.3	93.4	95.2	95.2	95.5	95.6	96.1	96.1
	71.5	78.2	80.2	85.5	90.1	93.3	94.6	96.7	96.8	97.4	97.8	98.5	98.5
	71.6	78.6	80.6	85.9	90.5	94.0	95.6	97.6	97.7	98.5	98.9	99.7	99.8
	71.6	78.6	80.6	85.9	90.5	94.1	95.7	97.7	97.8	98.6	99.0	99.9	100.0
	71.6	78.6	80.6	85.9	90.5	94.1	95.7	97.7	97.8	98.6	99.0	99.9	100.0

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OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBIL
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	28.2	28.2	28.2	28.3	28.7	29.0	29.2	29.2	29.4	29.4	29.4	29.4	29.4
GE 20000	29.7	29.7	29.7	29.8	30.2	30.5	30.8	30.8	30.9	30.9	30.9	30.9	30.9
GE 18000	29.8	29.8	29.8	29.9	30.3	30.6	30.9	30.9	31.0	31.0	31.0	31.0	31.0
GE 16000	29.8	29.8	29.8	29.9	30.3	30.6	30.9	30.9	31.0	31.0	31.0	31.0	31.0
GE 14000	29.8	29.8	29.8	29.9	30.4	30.8	31.0	31.0	31.1	31.1	31.1	31.1	31.1
GE 12000	30.5	30.5	30.5	30.6	31.2	31.5	31.7	31.7	31.8	31.8	31.8	31.8	31.8
GE 10000	31.5	31.5	31.5	31.6	32.2	32.5	32.7	32.7	32.8	32.8	32.8	32.8	32.8
GE 9000	31.7	31.7	31.7	31.8	32.4	32.7	32.9	32.9	33.0	33.0	33.0	33.0	33.0
GE 8000	32.5	32.5	32.8	32.9	33.4	33.8	34.0	34.0	34.1	34.1	34.1	34.1	34.1
GE 7000	33.4	33.4	33.8	33.9	34.4	34.7	34.9	34.9	35.1	35.1	35.1	35.1	35.1
GE 6000	34.4	34.4	34.7	34.8	35.4	35.7	35.9	35.9	36.0	36.0	36.0	36.0	36.0
GE 5000	36.3	36.3	36.7	36.8	37.3	37.6	37.8	38.0	38.1	38.1	38.1	38.1	38.1
GE 4500	37.7	37.7	38.2	38.3	38.8	39.1	39.4	39.5	39.6	39.6	39.6	39.6	39.6
GE 4000	39.6	39.6	40.0	40.3	41.2	41.5	41.8	41.9	42.0	42.0	42.0	42.0	42.0
GE 3500	40.5	40.5	41.0	41.4	42.3	42.6	42.9	43.0	43.1	43.1	43.1	43.1	43.1
GE 3000	42.9	43.1	43.9	44.4	45.3	45.6	45.9	46.1	46.2	46.2	46.2	46.2	46.2
GE 2500	46.2	46.7	47.8	48.5	49.7	50.0	50.6	51.1	51.3	51.3	51.3	51.3	51.3
GE 2000	50.3	50.8	52.5	53.3	55.4	56.2	57.3	58.0	58.4	58.5	58.5	58.5	58.5
GE 1800	53.4	53.9	56.2	57.4	59.7	60.8	61.8	62.7	63.2	63.3	63.3	63.3	63.3
GE 1500	57.8	58.5	61.0	62.6	66.2	67.4	69.7	71.4	72.0	72.5	72.6	72.6	72.6
GE 1200	59.9	60.5	63.2	65.1	68.8	70.1	72.6	74.6	75.6	76.0	76.3	76.3	76.3
GE 1000	61.2	61.8	64.6	66.9	70.8	72.2	74.9	77.4	78.9	79.5	80.1	80.1	80.2
GE 900	62.4	63.0	65.8	68.1	72.4	73.8	76.7	79.2	80.9	81.4	82.3	82.3	82.4
GE 800	63.4	64.1	66.9	69.1	73.9	75.3	78.7	81.7	83.3	83.9	85.1	85.1	85.2
GE 700	64.6	65.3	68.1	70.3	75.5	76.9	80.8	83.8	85.7	86.5	87.7	87.8	88.0
GE 600	65.3	65.9	68.8	71.3	76.9	78.3	82.2	85.4	87.3	88.2	89.6	89.8	90.0
GE 500	65.6	66.2	69.4	71.9	77.6	79.2	83.2	86.9	89.5	90.8	92.6	92.8	93.0
GE 400	66.0	66.7	70.1	72.7	78.5	80.1	84.4	88.3	91.1	92.4	94.2	94.4	94.7
GE 300	66.2	66.9	70.4	73.0	78.8	80.4	84.7	88.9	92.0	93.5	95.4	95.6	95.9
GE 200	66.5	67.1	70.6	73.3	79.2	80.9	85.5	90.0	93.5	95.2	97.0	97.2	97.7
GE 100	66.5	67.1	70.6	73.3	79.2	80.9	85.5	90.0	93.5	95.2	97.0	97.2	97.8
GE 000	66.5	67.1	70.6	73.3	79.2	80.9	85.5	90.0	93.5	95.2	97.0	97.2	97.8

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC: + 5 MONTH: JAN HOURS: 06-08

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
29	28.3	28.7	29.0	29.2	29.2	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
30	29.9	30.2	30.5	30.8	30.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
31	29.9	30.3	30.6	30.9	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
31	29.9	30.3	30.6	30.9	30.9	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
31	29.9	30.4	30.8	31.0	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
31	30.6	31.2	31.5	31.7	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
33	31.6	32.2	32.5	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
33	31.8	32.4	32.7	32.9	32.9	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
34	32.9	33.4	33.8	34.0	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
35	33.9	34.4	34.7	34.9	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
36	34.8	35.4	35.7	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
37	36.4	37.3	37.6	37.8	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
39	38.3	39.8	39.1	39.4	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
42	40.3	41.2	41.5	41.8	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
43	41.4	42.3	42.6	42.9	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
45	44.4	45.3	45.6	45.9	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
51	48.5	49.7	50.0	50.6	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
57	53.3	55.4	56.2	57.3	58.0	58.4	58.5	58.5	58.5	58.5	58.5	58.6	58.6
63	57.4	59.7	60.8	61.8	62.7	63.2	63.3	63.3	63.3	63.3	63.3	63.5	63.5
72	62.6	65.2	67.4	69.7	71.4	72.0	72.5	72.6	72.6	72.6	72.6	72.8	72.8
74	65.1	68.3	70.1	72.6	74.6	75.6	76.0	76.3	76.3	76.3	76.3	76.6	76.6
80	69.9	70.8	72.2	74.9	77.4	78.9	79.5	80.1	80.1	80.2	80.3	80.8	80.8
82	71.1	72.4	73.8	76.7	79.2	80.9	81.4	82.3	82.3	82.4	82.5	82.9	82.9
85	73.1	73.9	75.3	78.7	81.7	83.3	83.9	85.1	85.1	85.2	85.4	85.8	85.8
88	75.3	75.5	76.9	80.8	83.8	85.7	86.5	87.7	87.8	88.0	88.3	88.8	88.8
90	76.3	76.9	78.3	82.2	85.4	87.3	88.2	89.6	89.8	90.0	90.4	91.0	91.0
93	77.1	77.6	79.2	83.2	86.9	89.5	90.8	92.6	92.8	93.0	93.5	94.1	94.1
95	77.7	78.5	80.1	84.4	88.3	91.1	92.4	94.2	94.4	94.7	95.3	95.8	95.8
96	78.0	78.8	80.4	84.7	88.9	92.0	93.5	95.4	95.6	95.9	96.5	97.3	97.6
98	78.3	79.2	80.9	85.5	90.0	93.5	95.2	97.0	97.2	97.7	98.3	99.2	99.7
98	78.3	79.2	80.9	85.5	90.0	93.5	95.2	97.0	97.2	97.8	98.4	99.5	100.0
98	78.3	79.2	80.9	85.5	90.0	93.5	95.2	97.0	97.2	97.8	98.4	99.5	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIB
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 — MONTH: JAN — HOURS: 09-1

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	G 1/
NO CEIL	27.2	27.4	27.6	27.8	28.2	28.4	28.6	28.6	28.6	28.7	28.8	28.9	29
GE 20000	30.5	30.8	31.1	31.3	31.7	31.9	32.2	32.2	32.2	32.3	32.4	32.5	32
GE 18000	31.0	31.2	31.5	31.7	32.2	32.4	32.6	32.6	32.6	32.7	32.8	32.9	33
GE 16000	31.2	31.4	31.7	31.9	32.4	32.6	32.8	32.8	32.8	32.9	33.0	33.1	33
GE 14000	31.9	32.2	32.5	32.7	33.1	33.3	33.5	33.5	33.5	33.7	33.8	33.9	34
GE 12000	32.6	32.8	33.1	33.3	33.8	34.0	34.2	34.2	34.2	34.3	34.4	34.5	34
GE 10000	34.0	34.2	34.5	34.7	35.2	35.4	35.6	35.7	35.7	35.8	35.9	36.0	36
GE 9000	34.7	34.9	35.3	35.5	35.9	36.1	36.3	36.5	36.5	36.6	36.7	36.8	37
GE 8000	36.0	36.2	36.6	36.9	37.5	37.8	38.2	38.3	38.3	38.4	38.5	38.6	38
GE 7000	36.9	37.1	37.4	37.7	38.4	38.7	39.0	39.1	39.1	39.2	39.4	39.5	39
GE 6000	37.3	37.6	38.0	38.3	38.9	39.2	39.6	39.7	39.7	39.8	39.9	40.0	40
GE 5000	37.8	38.3	38.6	39.0	39.7	40.0	40.3	40.4	40.4	40.5	40.6	40.8	41
GE 4500	38.2	38.6	38.9	39.4	40.0	40.3	40.6	40.8	40.8	40.9	41.0	41.1	41
GE 4000	40.0	40.5	41.1	41.5	42.3	42.7	43.0	43.1	43.3	43.5	43.7	43.8	44
GE 3500	40.8	41.3	41.8	42.4	43.1	43.5	43.9	44.0	44.2	44.5	44.6	44.7	44
GE 3000	41.8	42.5	43.2	43.9	44.7	45.4	45.7	45.9	46.1	46.6	46.7	46.8	47
GE 2500	43.5	44.3	45.4	46.1	47.4	48.3	49.2	49.6	49.8	50.2	50.3	50.4	50
GE 2000	47.1	48.3	49.3	51.1	53.5	54.6	56.5	57.3	57.6	58.2	58.4	58.5	58
GE 1800	48.5	49.7	51.4	53.0	55.6	56.7	58.7	59.7	60.0	60.5	60.8	60.9	61
GE 1500	51.9	53.3	55.5	57.5	61.3	62.7	65.5	67.3	67.8	68.9	69.2	69.5	69
GE 1200	54.4	56.2	58.7	60.9	65.1	66.7	70.0	72.4	73.7	74.8	75.2	75.4	75
GE 1000	55.8	57.7	60.4	62.7	67.2	68.8	72.3	74.9	76.5	78.2	78.7	78.9	79
GE 900	56.1	58.1	61.0	63.3	68.2	69.8	73.2	76.2	78.0	79.9	80.6	80.9	81
GE 800	56.7	58.6	61.6	64.0	69.1	70.8	74.2	77.4	79.1	81.2	82.2	82.4	83
GE 700	57.2	59.1	62.2	64.5	70.2	71.8	75.6	79.1	80.9	83.0	84.4	84.6	85
GE 600	57.8	59.8	62.8	65.5	71.3	72.9	76.8	80.4	82.8	84.9	86.5	86.7	88
GE 500	58.4	60.4	63.4	66.2	72.4	74.2	78.2	82.4	85.3	88.1	89.8	90.0	91
GE 400	58.6	60.6	63.8	66.6	72.9	74.7	78.9	83.2	86.3	89.2	91.4	91.6	93
GE 300	58.7	60.8	64.1	66.9	73.2	75.1	79.3	84.1	87.3	90.4	92.8	93.0	94
GE 200	58.7	60.8	64.2	67.0	73.4	75.3	80.1	84.4	87.6	90.8	93.3	93.5	95
GE 100	58.7	60.8	64.2	67.0	73.4	75.3	80.1	84.4	87.6	90.8	93.3	93.5	95
GE 000	58.7	60.8	64.2	67.0	73.4	75.3	80.1	84.4	87.6	90.8	93.3	93.5	95

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AF: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
E: + 5 — MONTH: JAN HOURS: 09-11

VISIBILITY IN STATUTE MILES											
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
28.2	28.4	28.6	28.6	28.6	28.7	28.8	28.9	29.1	29.2	29.2	29.2
31.7	31.9	32.2	32.2	32.2	32.3	32.4	32.5	32.7	32.8	32.8	32.8
32.2	32.4	32.6	32.6	32.6	32.7	32.8	32.9	33.1	33.2	33.2	33.2
32.4	32.6	32.8	32.8	32.8	32.9	33.0	33.1	33.3	33.4	33.4	33.4
33.1	33.3	33.5	33.5	33.5	33.7	33.8	33.9	34.1	34.2	34.2	34.2
33.8	34.0	34.2	34.2	34.2	34.3	34.4	34.5	34.7	34.8	34.8	34.8
35.2	35.4	35.6	35.7	35.7	35.8	35.9	36.0	36.2	36.3	36.3	36.3
35.9	36.1	36.3	36.5	36.5	36.6	36.7	36.8	37.0	37.1	37.1	37.1
37.5	37.8	38.2	38.3	38.3	38.4	38.5	38.6	38.8	38.9	38.9	38.9
38.4	38.7	39.0	39.1	39.1	39.2	39.4	39.5	39.7	39.8	39.8	39.8
38.9	39.2	39.6	39.7	39.7	39.8	39.9	40.0	40.2	40.3	40.3	40.3
39.7	40.0	40.3	40.4	40.4	40.5	40.6	40.8	41.0	41.1	41.1	41.1
40.0	40.3	40.6	40.8	40.8	40.9	41.0	41.1	41.3	41.4	41.4	41.4
42.3	42.7	43.0	43.1	43.3	43.5	43.7	43.8	44.0	44.1	44.1	44.1
43.1	43.5	43.9	44.0	44.2	44.5	44.6	44.7	44.9	45.1	45.1	45.1
44.7	45.4	45.7	45.9	46.1	46.6	46.7	46.8	47.0	47.1	47.1	47.1
47.4	48.3	49.2	49.6	49.8	50.2	50.3	50.4	50.6	50.8	50.8	50.9
53.5	54.6	56.5	57.3	57.6	58.2	58.4	58.5	58.8	58.9	59.0	59.2
55.6	56.7	58.7	59.7	60.0	60.5	60.8	60.9	61.2	61.3	61.4	61.6
61.3	62.7	65.5	67.3	67.8	68.9	69.2	69.5	69.9	70.1	70.3	70.6
65.1	66.7	70.0	72.4	73.7	74.8	75.2	75.4	75.9	76.3	76.6	76.9
67.2	68.8	72.3	74.9	76.5	78.2	78.7	78.9	79.7	80.2	80.4	80.8
68.2	69.8	73.2	76.2	78.0	79.9	80.6	80.9	81.7	82.3	82.5	83.1
69.1	70.8	74.2	77.4	79.1	81.2	82.2	82.4	83.4	84.1	84.3	84.9
70.2	71.8	75.6	79.1	80.9	83.0	84.4	84.6	85.8	86.6	86.8	87.6
71.3	72.9	76.8	80.4	82.8	84.9	86.5	86.7	88.1	89.1	89.4	90.2
72.4	74.2	78.2	82.4	85.3	88.1	89.8	90.0	91.6	92.8	93.1	94.3
72.9	74.7	78.9	83.2	86.3	89.2	91.4	91.6	93.5	94.7	95.1	96.3
73.2	75.1	79.8	84.1	87.3	90.4	92.8	93.0	94.9	96.2	97.0	98.3
73.4	75.3	80.1	84.4	87.6	90.8	93.3	93.5	95.9	97.4	98.5	100.0
73.4	75.3	80.1	84.4	87.6	90.8	93.3	93.5	95.9	97.4	98.5	100.0
73.4	75.3	80.1	84.4	87.6	90.8	93.3	93.5	95.9	97.4	98.5	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG
LST TO UTC: + 5 — MONTH: JAN HOURS: 12-

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	28.7	29.7	29.1	29.6	29.9	29.9	30.0	30.3	30.3	30.3	30.4	30.4	3
GE 20000	34.1	34.2	34.6	35.2	35.5	35.5	35.6	35.9	35.9	35.9	36.0	36.0	3
GE 18000	35.1	35.2	35.6	36.1	36.5	36.5	36.6	37.0	37.0	37.0	37.1	37.1	3
GE 16000	35.4	35.5	35.9	36.5	36.8	36.8	36.9	37.3	37.3	37.3	37.4	37.4	3
GE 14000	35.9	36.0	36.5	37.2	37.5	37.5	37.6	38.1	38.1	38.1	38.2	38.2	3
GE 12000	37.1	37.2	37.6	38.4	38.7	38.7	38.8	39.2	39.2	39.2	39.4	39.4	3
GE 10000	39.4	39.5	39.9	40.8	41.1	41.1	41.2	41.6	41.6	41.6	41.7	41.7	4
GE 9000	40.0	40.1	40.5	41.4	41.7	41.7	41.8	42.3	42.3	42.3	42.4	42.4	4
GE 8000	40.9	40.9	41.3	42.2	42.5	42.5	42.6	43.0	43.0	43.0	43.1	43.1	4
GE 7000	41.9	42.0	42.5	43.3	43.7	43.8	43.9	44.3	44.3	44.3	44.4	44.4	4
GE 6000	42.7	42.8	43.2	44.2	44.5	44.7	44.8	45.3	45.3	45.3	45.4	45.4	4
GE 5000	43.2	43.3	44.0	45.4	45.7	45.9	46.0	46.6	46.6	46.6	46.7	46.7	4
GE 4500	43.8	43.9	44.5	45.9	46.2	46.5	46.6	47.1	47.1	47.1	47.2	47.2	4
GE 4000	44.5	44.6	45.4	46.8	47.4	47.6	47.7	48.4	48.4	48.4	48.5	48.5	4
GE 3500	45.7	45.9	46.8	48.2	48.8	49.0	49.2	49.9	50.0	50.0	50.1	50.1	5
GE 3000	47.1	47.3	48.2	49.6	50.2	50.5	50.8	51.4	51.5	51.5	51.6	51.6	5
GE 2500	48.8	49.1	50.5	52.3	52.9	53.3	54.0	54.7	54.9	55.1	55.2	55.2	5
GE 2000	51.9	52.6	55.6	58.2	59.6	60.2	61.4	62.3	62.6	62.8	63.3	63.3	6
GE 1800	52.7	53.3	56.6	59.4	60.8	61.4	62.7	63.8	64.1	64.3	64.8	64.8	6
GE 1500	56.3	57.1	60.6	63.8	66.0	66.8	68.9	70.9	71.8	72.4	73.2	73.3	7
GE 1200	58.4	59.1	63.3	66.6	69.8	70.8	73.0	75.5	76.9	77.7	78.8	78.9	7
GE 1000	59.3	60.8	64.9	68.4	72.2	73.2	75.7	78.4	80.3	81.4	82.5	82.6	8
GE 900	60.6	61.6	65.8	69.2	73.4	74.5	77.0	79.9	81.9	83.1	84.2	84.3	8
GE 800	61.2	62.2	66.7	70.3	74.6	75.8	78.4	81.6	84.1	85.5	86.6	86.7	8
GE 700	61.7	62.7	67.2	71.0	75.3	76.5	79.2	82.6	85.1	86.6	87.6	87.8	8
GE 600	62.2	63.1	67.6	71.5	75.9	77.0	79.8	83.7	86.6	88.2	89.4	89.6	9
GE 500	62.5	63.5	68.1	71.9	76.2	77.5	80.4	84.5	87.7	89.9	91.3	91.6	9
GE 400	62.5	63.5	68.1	71.9	76.5	77.7	80.9	85.1	88.3	90.5	92.2	92.5	9
GE 300	62.5	63.5	68.1	71.9	76.6	77.8	81.1	85.5	88.9	91.2	93.5	93.9	9
GE 200	62.5	63.5	68.1	71.9	76.6	77.8	81.1	85.5	89.0	91.4	94.0	94.3	9
GE 100	62.5	63.5	68.1	71.9	76.6	77.8	81.1	85.5	89.0	91.4	94.0	94.3	9
GE 000	62.5	63.5	68.1	71.9	76.6	77.8	81.1	85.5	89.0	91.4	94.0	94.3	9

TOTAL NUMBER OF OBSERVATIONS 930

1

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: JAN HOURS: 12-14

	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	29.9	29.9	30.0	30.3	30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.4
	35.5	35.5	35.6	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0
	36.5	36.5	36.6	37.0	37.0	37.0	37.1	37.1	37.1	37.1	37.1	37.1
	36.8	36.8	36.9	37.3	37.3	37.3	37.4	37.4	37.4	37.4	37.4	37.4
	37.5	37.5	37.6	38.1	38.1	38.1	38.2	38.2	38.2	38.2	38.2	38.2
	38.7	38.7	38.8	39.2	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4
	41.1	41.1	41.2	41.6	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7
	41.7	41.7	41.8	42.3	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4
	42.5	42.5	42.6	43.0	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.1
	43.7	43.8	43.9	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4
	44.5	44.7	44.8	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4
	45.7	45.9	46.0	46.6	46.6	46.6	46.7	46.7	46.7	46.7	46.7	46.7
	46.2	46.5	46.6	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2	47.2
	47.4	47.6	47.7	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5
	48.8	49.0	49.2	49.9	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.1
	50.2	50.5	50.8	51.4	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6
	52.9	53.3	54.0	54.7	54.9	55.1	55.2	55.2	55.2	55.3	55.3	55.3
	59.6	60.2	61.4	62.3	62.6	62.8	63.3	63.3	63.5	63.7	63.7	63.7
	60.8	61.4	62.7	63.8	64.1	64.3	64.8	64.8	65.1	65.2	65.2	65.2
	66.0	66.8	68.9	70.9	71.8	72.4	73.2	73.3	73.7	73.8	73.8	74.0
	69.8	70.8	73.0	75.5	76.9	77.7	78.8	78.9	79.2	79.5	79.5	79.8
	72.2	73.2	75.7	78.4	80.3	81.4	82.5	82.6	83.1	83.4	83.4	83.8
	73.4	74.5	77.0	79.9	81.9	83.1	84.2	84.3	84.9	85.3	85.3	85.9
	74.6	75.8	78.4	81.6	84.1	85.5	86.6	86.7	87.3	87.7	87.7	88.4
	75.3	76.5	79.2	82.6	85.1	86.6	87.6	87.8	88.7	89.2	89.2	89.9
	75.3	77.0	79.8	83.7	86.6	88.2	89.4	89.6	91.0	91.5	91.5	92.2
	75.2	77.5	80.4	84.5	87.7	89.9	91.3	91.6	93.3	94.0	94.1	95.1
	76.5	77.7	80.9	85.1	88.3	90.5	92.2	92.5	94.5	95.3	95.4	96.7
	76.6	77.8	81.1	85.5	88.9	91.2	93.5	93.9	96.3	97.3	97.6	98.9
	76.6	77.8	81.1	85.5	89.0	91.4	94.0	94.3	97.0	98.1	98.7	100.0
	76.6	77.8	81.1	85.5	89.0	91.4	94.0	94.3	97.0	98.1	98.7	100.0
	76.6	77.8	81.1	85.5	89.0	91.4	94.0	94.3	97.0	98.1	98.7	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBIL
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	30.8	31.1	31.9	32.3	32.4	32.4	32.5	32.5	32.6	32.6	32.6	32.6	32.6
GE 20000	35.5	35.8	36.9	37.2	37.4	37.4	37.5	37.5	37.6	37.6	37.6	37.6	37.6
GE 18000	36.5	36.8	37.8	38.2	38.4	38.4	38.5	38.5	38.6	38.6	38.6	38.6	38.6
GE 16000	36.8	37.1	38.2	38.5	38.7	38.7	38.8	38.8	38.9	38.9	38.9	38.9	38.9
GE 14000	37.6	38.0	39.0	39.5	39.7	39.7	39.8	39.8	39.9	39.9	39.9	39.9	39.9
GE 12000	38.6	38.9	40.1	40.5	40.9	40.9	41.0	41.0	41.1	41.1	41.1	41.1	41.1
GE 10000	40.5	41.0	42.2	42.6	42.9	42.9	43.0	43.0	43.1	43.1	43.1	43.1	43.1
GE 9000	41.2	41.6	42.8	43.2	43.5	43.5	43.7	43.7	43.8	43.8	43.8	43.8	43.8
GE 8000	41.9	42.4	43.6	44.2	44.5	44.5	44.6	44.6	44.7	44.7	44.7	44.7	44.7
GE 7000	43.1	43.5	45.1	45.5	46.6	46.7	46.8	46.8	46.9	47.0	47.0	47.0	47.0
GE 6000	44.1	44.5	46.0	46.5	47.5	47.6	47.7	47.7	48.0	48.1	48.1	48.1	48.1
GE 5000	44.6	45.1	46.6	47.1	48.2	48.3	48.7	48.7	48.9	49.0	49.0	49.0	49.0
GE 4500	44.6	45.1	46.6	47.2	48.4	48.5	48.9	48.9	49.1	49.2	49.2	49.2	49.2
GE 4000	45.8	46.5	48.0	48.7	49.9	50.0	50.6	50.6	50.9	51.0	51.0	51.0	51.0
GE 3500	47.1	47.8	49.5	50.3	51.7	51.8	52.5	52.7	52.9	53.0	53.0	53.0	53.0
GE 3000	49.7	50.4	52.4	53.3	55.1	55.2	55.8	56.0	56.2	56.3	56.3	56.3	56.5
GE 2500	53.2	54.2	56.2	57.2	59.2	59.4	60.4	60.8	61.0	61.2	61.2	61.2	61.3
GE 2000	56.8	58.2	60.3	62.3	64.8	65.2	66.5	67.2	67.4	67.7	68.0	68.0	68.2
GE 1800	58.2	59.6	62.4	63.9	66.5	66.8	68.1	68.8	69.0	69.4	69.6	69.6	69.8
GE 1500	61.4	62.8	66.1	67.8	70.8	71.5	73.2	74.3	74.7	75.3	75.6	75.6	75.8
GE 1200	63.9	65.3	68.8	70.5	73.8	74.5	76.3	77.7	78.5	79.2	79.6	79.7	80.2
GE 1000	65.3	66.9	71.4	73.3	76.6	77.6	80.0	81.4	82.6	83.5	84.4	84.5	85.1
GE 900	65.6	67.3	71.9	74.0	77.8	78.7	81.2	82.9	84.1	85.1	85.9	86.0	86.6
GE 800	66.3	68.1	72.7	74.8	78.8	79.8	82.6	84.3	85.8	87.0	87.8	88.0	88.6
GE 700	66.6	68.3	73.1	75.4	79.5	80.4	83.5	85.5	87.0	88.2	89.0	89.1	90.0
GE 600	66.8	68.6	73.4	75.7	79.8	80.9	84.0	86.1	87.7	89.1	90.3	90.5	91.4
GE 500	67.1	68.9	73.8	76.1	80.2	81.3	84.7	87.0	89.0	90.9	92.5	92.7	93.7
GE 400	67.1	68.9	73.8	76.1	80.5	81.7	85.6	87.8	90.0	91.9	93.5	93.8	94.8
GE 300	67.1	68.9	73.8	76.1	80.5	81.7	85.6	88.0	90.3	92.5	94.3	94.7	96.0
GE 200	67.1	68.9	73.8	76.1	80.5	81.7	85.6	88.0	90.3	92.5	94.3	94.7	96.1
GE 100	67.1	68.9	73.8	76.1	80.5	81.7	85.6	88.0	90.3	92.5	94.3	94.7	96.1
GE 000	67.1	68.9	73.8	76.1	80.5	81.7	85.6	88.0	90.3	92.5	94.3	94.7	96.1

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: JAN HOURS: 15-17

CEILING	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	32.4	32.4	32.5	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
	37.4	37.4	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
	38.4	38.4	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
	38.7	38.7	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
	39.7	39.7	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
	40.9	40.9	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
	42.9	42.9	43.0	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
	43.5	43.5	43.7	43.7	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
	44.5	44.5	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
	46.6	46.7	46.8	46.8	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0
	47.5	47.6	47.7	47.7	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1
	48.2	48.3	48.7	48.7	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0
	48.4	48.5	48.9	48.9	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2
	49.9	50.0	50.6	50.6	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0
	51.7	51.8	52.5	52.7	52.9	53.0	53.0	53.0	53.0	53.0	53.1	53.2
	55.1	55.2	55.9	56.0	56.2	56.3	56.3	56.3	56.5	56.5	56.6	56.7
	59.2	59.4	60.4	60.8	61.0	61.2	61.2	61.2	61.3	61.3	61.4	61.5
	64.8	65.2	66.5	67.2	67.4	67.7	68.0	68.0	68.2	68.2	68.5	68.6
	66.5	66.8	68.1	68.8	69.0	69.4	69.6	69.6	69.8	69.8	70.1	70.2
	70.8	71.5	73.2	74.3	74.7	75.3	75.6	75.6	75.8	76.0	76.3	76.7
	73.8	74.5	76.3	77.7	78.5	79.2	79.6	79.7	80.2	80.4	80.9	81.3
	76.6	77.6	80.0	81.4	82.6	83.5	84.4	84.5	85.1	85.4	85.8	86.3
	77.4	78.7	81.2	82.9	84.1	85.1	85.9	86.0	86.6	86.9	87.3	87.8
	78.8	79.8	82.6	84.3	85.8	87.0	87.8	88.0	88.6	88.9	89.4	90.0
	79.5	80.4	83.5	85.5	87.0	88.2	89.0	89.1	90.0	90.3	90.8	91.4
	79.8	80.9	84.0	86.1	87.7	89.1	90.3	90.5	91.4	91.7	92.2	92.8
	80.2	81.3	84.7	87.0	89.0	90.9	92.5	92.7	93.7	94.0	94.4	95.3
	80.5	81.7	85.6	87.8	90.0	91.9	93.5	93.8	94.8	95.6	96.0	97.2
	80.5	81.7	85.6	88.0	90.3	92.5	94.3	94.7	96.0	96.8	97.8	99.1
	80.5	81.7	85.6	88.0	90.3	92.5	94.3	94.7	96.1	97.1	98.5	100.0
	80.5	81.7	85.6	88.0	90.3	92.5	94.3	94.7	96.1	97.1	98.5	100.0
	80.5	81.7	85.6	88.0	90.3	92.5	94.3	94.7	96.1	97.1	98.5	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBIL
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	31.9	31.9	32.0	32.2	32.3	32.4	32.6	32.6	32.6	32.7	32.7	32.8	32.8
GE 20000	35.1	35.4	36.0	36.3	36.6	36.7	36.9	36.9	37.0	37.1	37.1	37.2	37.2
GE 18000	35.6	35.9	36.5	36.9	37.1	37.2	37.4	37.4	37.5	37.6	37.6	37.7	37.7
GE 16000	35.8	36.1	36.8	37.1	37.3	37.4	37.6	37.6	37.7	37.8	37.8	38.0	38.0
GE 14000	36.5	36.8	37.4	37.7	38.0	38.1	38.3	38.3	38.4	38.5	38.5	38.6	38.6
GE 12000	38.1	38.4	39.0	39.4	39.6	39.7	39.9	39.9	40.0	40.1	40.1	40.2	40.2
GE 10000	39.7	40.0	40.6	41.1	41.3	41.5	41.7	41.7	41.8	41.9	41.9	42.0	42.0
GE 9000	40.3	40.6	41.3	41.7	42.0	42.3	42.5	42.5	42.6	42.7	42.7	42.8	42.8
GE 8000	42.5	42.8	43.4	44.0	44.4	44.6	44.8	44.8	44.9	45.1	45.1	45.2	45.2
GE 7000	43.7	44.0	44.7	45.3	45.8	46.0	46.2	46.2	46.3	46.5	46.5	46.6	46.6
GE 6000	44.6	44.9	45.7	46.2	46.9	47.4	47.7	47.7	48.0	48.1	48.1	48.2	48.2
GE 5000	46.0	46.3	47.1	47.6	48.4	49.1	49.5	49.5	49.7	49.8	49.8	49.9	49.9
GE 4500	46.5	46.9	47.5	48.1	49.1	49.9	50.2	50.2	50.4	50.5	50.5	50.6	50.6
GE 4000	48.3	48.7	49.5	50.1	51.3	52.0	52.6	52.6	52.9	53.0	53.0	53.1	53.1
GE 3500	49.0	49.5	50.3	50.9	52.0	52.8	53.4	53.5	53.9	54.0	54.0	54.1	54.1
GE 3000	52.3	52.7	53.5	54.2	55.9	56.7	57.4	57.5	57.8	58.0	58.0	58.1	58.1
GE 2500	54.2	54.6	55.5	56.1	58.0	58.7	59.6	59.8	60.1	60.2	60.3	60.4	60.4
GE 2000	59.6	60.0	61.4	62.2	64.8	66.0	67.2	67.8	68.2	68.3	68.6	68.8	69.0
GE 1800	61.1	61.5	62.9	63.7	66.3	67.6	68.9	69.8	70.2	70.3	70.6	70.9	71.1
GE 1500	63.5	64.1	65.7	66.6	69.7	71.1	72.6	74.2	74.7	75.3	75.6	75.9	76.1
GE 1200	66.3	66.9	68.6	69.5	72.8	74.6	76.5	78.2	78.9	79.6	80.2	80.5	81.1
GE 1000	68.1	68.7	70.5	71.4	75.1	77.2	79.1	81.4	82.5	83.2	83.9	84.2	84.9
GE 900	68.7	69.4	71.3	72.4	76.2	78.4	80.6	83.0	84.1	84.8	85.5	85.8	86.6
GE 800	69.0	69.7	71.6	72.8	76.7	78.8	81.2	83.7	84.8	85.7	86.5	86.8	87.7
GE 700	69.6	70.2	72.4	73.7	77.5	79.8	82.2	84.8	86.5	87.5	88.4	88.7	90.0
GE 600	69.7	70.3	72.5	73.9	77.8	80.5	82.9	86.0	88.0	89.1	90.3	90.6	91.9
GE 500	69.8	70.4	72.9	74.3	78.4	81.1	83.9	87.1	89.5	91.5	93.2	93.7	94.9
GE 400	69.9	70.5	73.0	74.4	78.6	81.3	84.2	87.7	90.3	92.4	94.2	94.6	95.9
GE 300	69.9	70.5	73.0	74.4	78.7	81.4	84.3	87.8	91.0	93.8	95.7	96.1	97.7
GE 200	69.9	70.5	73.0	74.4	78.7	81.4	84.3	87.8	91.0	93.9	95.8	96.3	98.0
GE 100	69.9	70.5	73.0	74.4	78.7	81.4	84.3	87.8	91.0	93.9	95.8	96.3	98.0
GE 000	69.9	70.5	73.0	74.4	78.7	81.4	84.3	87.8	91.0	93.9	95.8	96.3	98.0

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
WBAN: + 5 MONTH: JAN HOURS: 18-20

VISIBILITY IN STATUTE MILES											
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
32.3	32.4	32.6	32.6	32.6	32.7	32.7	32.8	32.8	32.8	32.9	32.9
36.6	36.7	36.9	36.9	37.0	37.1	37.1	37.2	37.2	37.2	37.3	37.3
37.1	37.2	37.4	37.4	37.5	37.6	37.6	37.7	37.7	37.7	37.8	37.8
37.3	37.4	37.6	37.6	37.7	37.8	37.8	38.0	38.0	38.0	38.1	38.1
38.0	38.1	38.3	38.3	38.4	38.5	38.5	38.6	38.6	38.6	38.7	38.7
39.6	39.7	39.9	39.9	40.0	40.1	40.1	40.2	40.2	40.2	40.3	40.3
41.3	41.5	41.7	41.7	41.8	41.9	41.9	42.0	42.0	42.0	42.2	42.2
42.0	42.3	42.5	42.5	42.6	42.7	42.7	42.6	42.8	42.8	42.9	42.9
44.4	44.6	44.8	44.8	44.9	45.1	45.1	45.2	45.2	45.2	45.3	45.3
45.8	46.0	46.2	46.2	46.3	46.5	46.5	46.6	46.6	46.6	46.7	46.7
46.9	47.4	47.7	47.7	48.0	48.1	48.1	48.2	48.2	48.2	48.3	48.3
49.4	49.1	49.5	49.5	49.7	49.8	49.8	49.9	49.9	49.9	50.0	50.0
49.1	49.9	50.2	50.2	50.4	50.5	50.5	50.6	50.6	50.6	50.8	50.8
51.3	52.0	52.6	52.6	52.9	53.0	53.0	53.1	53.1	53.1	53.2	53.2
52.0	52.8	53.4	53.5	53.9	54.0	54.0	54.1	54.1	54.1	54.2	54.2
55.9	56.7	57.4	57.5	57.8	58.0	58.0	58.1	58.1	58.1	58.2	58.2
58.0	58.7	59.6	59.8	60.1	60.2	60.3	60.4	60.4	60.4	60.5	60.5
64.8	66.0	67.2	67.8	68.2	68.3	68.6	68.8	69.0	69.0	69.2	69.2
66.3	67.6	68.9	69.8	70.2	70.3	70.6	70.9	71.1	71.1	71.3	71.3
69.7	71.1	72.6	74.2	74.7	75.3	75.6	75.9	76.1	76.1	76.3	76.3
72.8	74.6	76.5	78.2	78.9	79.6	80.2	80.5	81.1	81.1	81.3	81.3
75.1	77.2	79.1	81.4	82.5	83.2	83.9	84.2	84.9	84.9	85.2	85.2
76.2	78.4	80.8	83.0	84.1	84.8	85.5	85.8	86.6	86.6	86.8	86.8
76.7	78.8	81.2	83.7	84.8	85.7	86.5	86.8	87.7	87.7	88.0	88.3
77.5	79.8	82.2	84.8	86.5	87.5	88.4	88.7	90.0	90.0	90.3	90.8
77.8	80.5	82.9	86.0	88.0	89.1	90.3	90.6	91.9	92.0	92.4	92.8
78.4	81.1	83.9	87.1	89.5	91.5	93.2	93.7	94.9	95.2	95.5	95.9
78.5	81.3	84.2	87.7	90.3	92.4	94.2	94.6	95.9	96.5	96.8	97.3
78.7	81.4	84.3	87.8	91.0	93.8	95.7	96.1	97.7	98.3	98.8	99.8
78.7	81.4	84.3	87.8	91.0	93.9	95.8	96.3	98.0	98.5	99.0	100.0
78.7	81.4	84.3	87.8	91.0	93.9	95.8	96.3	98.0	98.5	99.0	100.0
78.7	81.4	84.3	87.8	91.0	93.9	95.8	96.3	98.0	98.5	99.0	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 — MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	31.0	31.0	31.3	31.4	31.6	31.7	31.9	32.0	32.2	32.2	32.2	32.2	32.2
GE 20000	33.8	34.1	34.5	34.6	34.9	35.1	35.3	35.4	35.5	35.5	35.5	35.5	35.5
GE 18000	34.2	34.5	34.9	35.1	35.4	35.5	35.7	35.8	35.9	35.9	35.9	35.9	35.9
GE 16000	34.2	34.5	34.9	35.1	35.4	35.5	35.7	35.8	35.9	35.9	35.9	35.9	35.9
GE 14000	34.2	34.5	34.9	35.1	35.4	35.5	35.7	35.8	35.9	35.9	35.9	35.9	35.9
GE 12000	35.4	35.7	36.1	36.2	36.6	36.7	36.9	37.0	37.1	37.1	37.1	37.1	37.1
GE 10000	37.0	37.3	37.8	38.0	38.3	38.4	38.6	38.7	38.8	38.8	38.8	38.8	38.8
GE 9000	37.2	37.5	38.1	38.2	38.5	38.6	38.8	38.9	39.0	39.0	39.0	39.0	39.0
GE 8000	38.8	39.1	39.7	39.9	40.4	40.5	40.9	41.1	41.2	41.2	41.2	41.2	41.2
GE 7000	38.9	39.2	39.8	40.0	40.5	40.6	41.0	41.2	41.3	41.3	41.3	41.3	41.3
GE 6000	39.8	40.1	40.6	40.9	41.4	41.5	41.8	42.0	42.2	42.2	42.2	42.2	42.2
GE 5000	41.0	41.3	41.8	42.2	42.9	43.0	43.3	43.5	43.7	43.7	43.7	43.7	43.7
GE 4500	41.5	41.8	42.4	42.7	43.4	43.5	43.9	44.1	44.2	44.2	44.2	44.2	44.2
GE 4000	43.7	44.0	44.6	44.9	45.8	45.9	46.2	46.5	46.6	46.6	46.6	46.6	46.6
GE 3500	44.5	44.8	45.5	45.8	46.9	47.0	47.3	47.6	47.7	47.7	47.7	47.7	47.7
GE 3000	48.7	49.1	49.9	50.2	52.4	52.7	53.0	53.3	53.4	53.4	53.5	53.5	53.5
GE 2500	53.4	54.0	55.2	55.5	58.1	58.7	59.0	59.5	59.6	59.8	59.9	59.9	59.9
GE 2000	58.4	59.2	60.6	61.1	64.2	65.3	66.1	67.5	67.8	68.4	68.5	68.6	68.8
GE 1800	61.1	61.9	63.3	63.8	67.0	68.1	69.1	70.6	71.0	71.6	71.7	71.8	72.0
GE 1500	63.4	64.4	65.9	66.5	69.9	71.1	72.8	75.2	76.0	77.3	77.6	77.7	78.1
GE 1200	65.7	66.7	68.5	69.1	72.7	73.9	76.1	78.8	79.9	81.3	81.9	82.0	82.4
GE 1000	67.3	68.3	70.3	71.2	75.1	76.5	78.8	82.0	83.4	84.8	85.5	85.6	85.9
GE 900	68.2	69.1	71.3	72.3	76.6	78.0	80.5	84.2	85.6	87.1	87.8	88.0	88.3
GE 800	68.5	69.5	71.6	72.6	76.9	78.4	81.1	84.7	86.1	87.6	88.4	88.5	89.0
GE 700	69.2	70.2	72.5	73.4	77.8	79.4	82.2	86.2	88.0	89.5	90.4	90.5	91.5
GE 600	69.8	70.8	73.0	74.0	78.5	80.2	83.1	87.7	89.5	91.1	92.0	92.3	93.3
GE 500	69.9	71.0	73.2	74.2	78.7	80.4	83.3	88.2	90.2	91.9	93.1	93.4	94.6
GE 400	69.9	71.3	73.5	74.6	79.4	81.1	84.1	89.2	91.3	93.1	94.4	94.7	95.9
GE 300	70.0	71.4	73.7	74.7	79.7	81.4	84.6	90.0	92.5	94.6	96.1	96.7	98.2
GE 200	70.0	71.4	73.7	74.7	79.7	81.4	84.6	90.0	92.5	94.7	96.3	96.9	98.4
GE 100	70.0	71.4	73.7	74.7	79.7	81.4	84.6	90.0	92.5	94.7	96.3	96.9	98.5
GE 000	70.0	71.4	73.7	74.7	79.7	81.4	84.6	90.0	92.5	94.7	96.3	96.9	98.5

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 — MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
.4	31.6	31.7	31.9	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.2	32.2
.5	34.9	35.1	35.3	35.4	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
.1	35.4	35.5	35.7	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
.1	35.4	35.5	35.7	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
.2	36.6	36.7	36.9	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
.3	38.3	38.4	38.6	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
.2	38.5	38.6	38.8	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
.9	40.4	40.5	40.9	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
.0	40.5	40.6	41.0	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
.9	41.4	41.5	41.8	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
.2	42.9	43.0	43.3	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
.7	43.4	43.5	43.9	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
.9	45.8	45.9	46.2	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
.2	46.9	47.0	47.3	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
.2	52.4	52.7	53.0	53.3	53.4	53.4	53.5	53.5	53.5	53.5	53.5	53.5
.5	58.1	58.7	59.0	59.5	59.6	59.8	59.9	59.9	59.9	59.9	59.9	59.9
.1	64.2	65.3	66.1	67.5	67.8	68.4	68.5	68.6	68.8	68.8	68.8	68.8
.	67.0	68.1	69.1	70.6	71.0	71.6	71.7	71.8	72.0	72.0	72.0	72.0
.5	69.9	71.1	72.8	75.2	76.0	77.3	77.6	77.7	78.1	78.1	78.1	78.1
.1	72.7	73.9	76.1	78.8	79.9	81.3	81.9	82.0	82.4	82.5	82.5	82.5
.2	75.1	76.5	78.8	82.0	83.4	84.8	85.5	85.6	85.9	86.0	86.0	86.0
.3	76.6	78.0	80.5	84.2	85.6	87.1	87.8	88.0	88.3	88.4	88.4	88.4
.	76.9	78.4	81.1	84.7	86.1	87.6	88.4	88.5	89.0	89.1	89.2	89.5
.4	77.8	79.4	82.2	86.2	88.0	89.5	90.4	90.5	91.5	91.6	91.7	91.9
.0	78.5	80.2	83.1	87.7	89.5	91.1	92.0	92.3	93.3	93.4	93.5	93.8
.2	78.7	80.4	83.3	88.2	90.2	91.9	93.1	93.4	94.6	94.7	94.8	95.1
.5	79.4	81.1	84.1	89.2	91.3	93.1	94.4	94.7	95.9	96.0	96.1	96.3
.7	79.7	81.4	84.6	90.0	92.5	94.6	96.1	96.7	98.2	98.4	98.8	99.0
.7	79.7	81.4	84.6	90.0	92.5	94.7	96.3	96.9	98.4	98.7	99.1	99.4
.7	79.7	81.4	84.6	90.0	92.5	94.7	96.3	96.9	98.5	99.0	99.7	99.9
.7	79.7	81.4	84.6	90.0	92.5	94.7	96.3	96.9	98.5	99.0	99.7	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 — MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	29.8	29.9	30.2	30.3	30.6	30.8	30.9	31.1	31.1	31.2	31.2	31.2	31.
GE 20000	32.6	32.8	33.2	33.4	33.8	33.9	34.1	34.2	34.3	34.3	34.4	34.4	34.
GE 18000	33.2	33.4	33.7	33.9	34.3	34.5	34.6	34.8	34.9	34.9	34.9	35.0	35.
GE 16000	33.3	33.5	33.9	34.1	34.5	34.6	34.8	34.9	35.0	35.0	35.1	35.1	35.
GE 14000	33.7	33.9	34.2	34.5	34.9	35.0	35.2	35.3	35.4	35.4	35.5	35.5	35.
GE 12000	34.7	34.9	35.2	35.5	35.9	36.1	36.2	36.3	36.4	36.5	36.5	36.5	36.
GE 10000	36.2	36.4	36.8	37.1	37.5	37.6	37.8	37.9	38.0	38.1	38.1	38.1	38.
GE 9000	36.6	36.8	37.2	37.5	37.9	38.1	38.2	38.4	38.5	38.5	38.5	38.6	38.
GE 8000	37.7	37.9	38.4	38.8	39.3	39.4	39.6	39.8	39.9	39.9	39.9	40.0	40.
GE 7000	38.7	38.9	39.4	39.8	40.4	40.6	40.8	40.9	41.0	41.1	41.1	41.2	41.
GE 6000	39.4	39.7	40.2	40.5	41.2	41.4	41.6	41.8	41.9	42.0	42.0	42.0	42.
GE 5000	40.5	40.8	41.4	41.8	42.5	42.8	43.0	43.2	43.3	43.4	43.4	43.4	43.
GE 4500	41.2	41.4	42.0	42.5	43.3	43.5	43.8	44.0	44.1	44.1	44.2	44.2	44.
GE 4000	42.8	43.2	43.8	44.4	45.3	45.6	46.0	46.2	46.3	46.4	46.4	46.5	46.
GE 3500	44.0	44.3	45.0	45.6	46.6	46.9	47.3	47.6	47.7	47.8	47.9	47.9	47.
GE 3000	46.5	47.0	47.9	48.5	49.9	50.3	50.7	51.0	51.2	51.3	51.4	51.4	51.
GE 2500	49.8	50.3	51.6	52.3	54.1	54.5	55.2	55.7	55.9	56.1	56.2	56.2	56.
GE 2000	54.0	54.7	56.7	57.7	60.2	61.0	62.3	63.2	63.6	63.8	64.1	64.1	64.
GE 1800	55.9	56.7	58.8	60.0	62.6	63.5	64.9	65.9	66.3	66.6	66.8	66.9	67.
GE 1500	59.3	60.1	62.6	64.0	67.3	68.5	70.6	72.4	73.3	74.0	74.5	74.6	74.
GE 1200	61.5	62.4	65.1	66.5	70.3	71.6	74.1	76.3	77.5	78.3	78.9	79.0	79.
GE 1000	62.9	63.9	66.8	68.5	72.6	74.0	76.8	79.3	80.8	81.8	82.6	82.7	83.
GE 900	63.7	64.7	67.7	69.5	73.8	75.2	78.2	80.9	82.6	83.6	84.5	84.6	85.
GE 800	64.3	65.4	68.4	70.3	74.7	76.2	79.4	82.3	84.1	85.2	86.2	86.3	86.
GE 700	64.9	66.0	69.1	71.0	75.7	77.2	80.6	83.7	85.7	87.0	88.1	88.3	88.
GE 600	65.5	66.6	69.7	71.7	76.6	78.3	81.7	85.1	87.3	88.7	89.9	90.1	91.
GE 500	65.8	66.9	70.2	72.2	77.2	78.9	82.5	86.2	88.9	90.6	92.2	92.5	93.
GE 400	65.9	67.1	70.4	72.5	77.7	79.5	83.3	87.3	90.1	91.9	93.7	93.9	95.
GE 300	66.0	67.2	70.6	72.7	78.0	79.7	83.7	87.8	91.0	93.1	95.1	95.4	96.
GE 200	66.0	67.2	70.6	72.7	78.1	79.8	83.9	88.1	91.3	93.6	95.7	96.0	97.
GE 100	66.0	67.2	70.6	72.7	78.1	79.8	83.9	88.1	91.3	93.6	95.7	96.0	97.
GE 000	66.0	67.2	70.6	72.7	78.1	79.8	83.9	88.1	91.3	93.6	95.7	96.0	97.

TOTAL NUMBER OF OBSERVATIONS 7440

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

N NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
) UTC: + 5 — MONTH: JAN HOURS: ALL

	VISIBILITY IN STATUTE MILES											
GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
30.3	30.6	30.8	30.9	31.1	31.1	31.2	31.2	31.2	31.3	31.3	31.3	31.3
33.4	33.8	33.9	34.1	34.2	34.3	34.3	34.4	34.4	34.4	34.5	34.5	34.5
33.9	34.3	34.5	34.6	34.8	34.9	34.9	34.9	35.0	35.0	35.0	35.0	35.0
34.1	34.5	34.6	34.8	34.9	35.0	35.0	35.1	35.1	35.1	35.2	35.2	35.2
34.5	34.9	35.0	35.2	35.3	35.4	35.4	35.5	35.5	35.6	35.6	35.6	35.6
35.5	35.9	36.1	36.2	36.3	36.4	36.5	36.5	36.5	36.6	36.6	36.6	36.6
37.1	37.5	37.6	37.8	37.9	38.0	38.1	38.1	38.1	38.2	38.2	38.2	38.2
37.5	37.9	38.1	38.2	38.4	38.5	38.5	38.5	38.6	38.6	38.6	38.6	38.6
39.8	39.3	39.4	39.6	39.8	39.9	39.9	39.9	40.0	40.0	40.0	40.0	40.0
40.8	40.4	40.6	40.8	40.9	41.0	41.1	41.1	41.2	41.2	41.2	41.2	41.2
41.8	41.2	41.4	41.6	41.8	41.9	42.0	42.0	42.0	42.1	42.1	42.1	42.1
41.8	42.5	42.8	43.0	43.2	43.3	43.4	43.4	43.4	43.5	43.5	43.5	43.5
43.5	43.3	43.5	43.8	44.0	44.1	44.1	44.2	44.2	44.2	44.3	44.3	44.3
44.4	45.3	45.6	46.0	46.2	46.3	46.4	46.4	46.5	46.5	46.5	46.5	46.5
46.6	46.6	46.9	47.3	47.6	47.7	47.8	47.9	47.9	47.9	48.0	48.0	48.0
49.5	49.9	50.3	50.7	51.0	51.2	51.3	51.4	51.4	51.4	51.5	51.5	51.5
54.3	54.1	54.5	55.2	55.7	55.9	56.1	56.2	56.2	56.3	56.3	56.3	56.4
57.7	60.2	61.0	62.3	63.2	63.6	63.8	64.1	64.1	64.3	64.3	64.4	64.5
70.0	62.6	63.5	64.9	65.9	66.3	66.6	66.8	66.9	67.0	67.1	67.2	67.2
74.0	67.3	68.5	70.6	72.4	73.3	74.0	74.5	74.6	74.8	74.9	75.0	75.1
78.5	70.3	71.6	74.1	76.3	77.5	78.3	78.9	79.0	79.3	79.5	79.6	79.7
81.5	72.6	74.0	76.8	79.3	80.8	81.8	82.6	82.7	83.1	83.3	83.5	83.6
84.5	73.8	75.2	78.2	80.9	82.6	83.6	84.5	84.6	85.0	85.2	85.4	85.7
86.3	74.7	76.2	79.4	82.3	84.1	85.2	86.2	86.3	86.8	87.1	87.3	87.6
91.0	75.7	77.2	80.6	83.7	85.7	87.0	88.1	88.3	88.9	89.2	89.5	89.9
91.7	76.6	78.3	81.7	85.1	87.3	88.7	89.9	90.1	91.0	91.3	91.6	91.9
92.2	77.2	78.9	82.5	86.2	88.9	90.6	92.2	92.5	93.4	93.8	94.2	94.6
92.5	77.7	79.5	83.3	87.3	90.1	91.9	93.7	93.9	95.0	95.5	95.9	96.5
92.7	78.0	79.7	83.7	87.8	91.0	93.1	95.1	95.4	96.8	97.4	98.1	98.8
92.7	78.1	79.8	83.9	88.1	91.3	93.6	95.7	96.0	97.5	98.2	99.0	99.8
92.7	78.1	79.8	83.9	88.1	91.3	93.6	95.7	96.0	97.5	98.3	99.2	100.0
92.7	78.1	79.8	83.9	88.1	91.3	93.6	95.7	96.0	97.5	98.3	99.2	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: FEB HOURS: 00-

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	35.1	35.5	36.0	36.4	37.0	37.0	37.3	37.3	37.3	37.6	37.6	37.6	3
GE 20000	37.9	38.3	38.9	39.2	39.8	39.8	40.2	40.2	40.2	40.4	40.4	40.4	4
GE 18000	38.2	38.5	39.1	39.5	40.0	40.0	40.4	40.4	40.4	40.6	40.6	40.6	4
GE 16000	38.2	38.5	39.1	39.5	40.0	40.0	40.4	40.4	40.4	40.6	40.6	40.6	4
GE 14000	39.1	39.7	40.3	40.6	41.3	41.3	41.7	41.7	41.7	41.9	41.9	41.9	4
GE 12000	39.9	40.5	41.1	41.5	42.2	42.2	42.5	42.5	42.5	42.8	42.8	42.8	4
GE 10000	41.5	42.0	42.6	43.0	43.7	43.7	44.1	44.1	44.1	44.3	44.3	44.3	4
GE 9000	42.0	42.6	43.2	43.6	44.3	44.3	44.6	44.6	44.6	44.9	44.9	44.9	4
GE 8000	44.4	45.1	45.7	46.1	46.8	46.8	47.1	47.1	47.1	47.3	47.3	47.3	4
GE 7000	45.3	46.2	46.8	47.1	47.8	47.8	48.2	48.2	48.2	48.4	48.4	48.4	4
GE 6000	46.2	47.0	47.6	47.9	48.6	48.6	49.0	49.0	49.0	49.2	49.2	49.2	4
GE 5000	47.2	48.1	48.6	49.0	49.8	49.8	50.2	50.2	50.2	50.4	50.4	50.4	5
GE 4500	47.9	48.8	49.4	49.7	50.6	50.6	51.0	51.0	51.0	51.2	51.2	51.2	5
GE 4000	49.8	50.9	51.6	51.9	53.2	53.4	53.9	53.9	54.1	54.4	54.4	54.4	5
GE 3500	50.3	51.4	52.2	52.5	53.8	54.1	54.7	54.7	54.8	55.1	55.1	55.1	5
GE 3000	53.4	54.7	55.5	55.8	57.7	58.0	58.5	58.7	58.8	59.1	59.1	59.1	5
GE 2500	55.7	57.1	58.2	58.7	60.7	61.0	62.3	62.5	62.7	63.0	63.0	63.0	6
GE 2000	58.9	60.4	61.7	62.7	64.9	65.7	67.6	68.4	68.6	69.0	69.0	69.0	6
GE 1800	60.4	62.0	63.4	64.7	66.9	67.7	70.0	70.8	70.9	71.4	71.5	71.5	7
GE 1500	62.0	63.6	65.5	67.0	69.6	70.4	72.8	74.1	74.3	75.3	75.5	75.5	7
GE 1200	63.0	64.7	66.5	68.4	71.4	72.7	75.1	76.7	76.9	78.1	78.4	78.6	7
GE 1000	64.3	66.3	68.6	70.6	74.0	75.4	78.1	80.2	80.6	81.7	82.2	82.4	8
GE 900	65.1	67.1	69.5	71.5	74.9	76.3	79.9	82.1	82.4	83.7	84.2	84.5	8
GE 800	65.7	67.7	70.1	72.1	75.3	77.9	81.4	83.6	84.0	85.3	85.9	86.1	8
GE 700	66.1	68.1	70.6	72.6	76.9	78.4	82.4	84.7	85.2	86.5	87.4	87.6	8
GE 600	66.5	68.6	71.0	73.0	77.6	79.2	83.3	86.0	86.5	87.8	88.8	89.0	9
GE 500	66.9	68.9	71.5	73.5	78.6	80.1	84.5	87.5	88.2	90.1	91.4	91.6	9
GE 400	67.3	69.4	72.0	74.0	79.0	80.6	85.5	88.7	89.6	91.8	93.2	93.4	9
GE 300	67.4	69.5	72.1	74.2	79.3	80.9	86.0	89.5	90.5	92.8	94.5	94.8	9
GE 200	67.4	69.5	72.1	74.2	79.3	80.9	86.1	89.8	90.9	93.4	95.2	95.8	9
GE 100	67.4	69.5	72.1	74.2	79.3	80.9	86.1	89.8	91.0	93.8	95.5	96.1	9
GE 000	67.4	69.5	72.1	74.2	79.3	80.9	86.1	89.8	91.0	93.8	95.5	96.1	9

TOTAL NUMBER OF OBSERVATIONS 849

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: FEB HOURS: 00-02

CEILING	VISIBILITY IN STATUTE MILES											
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
GE	37.4	37.0	37.0	37.3	37.3	37.3	37.6	37.6	37.6	37.7	37.7	37.7	37.7
	39.2	39.8	39.8	40.2	40.2	40.2	40.4	40.4	40.4	40.5	40.5	40.5	40.5
	39.5	40.0	40.0	40.4	40.4	40.4	40.6	40.6	40.6	40.8	40.8	40.8	40.8
	39.5	40.0	40.0	40.4	40.4	40.4	40.6	40.6	40.6	40.8	40.8	40.8	40.8
	40.8	41.3	41.3	41.7	41.7	41.7	41.9	41.9	41.9	42.0	42.0	42.0	42.0
	41.5	42.2	42.2	42.5	42.5	42.5	42.8	42.8	42.8	42.9	42.9	42.9	42.9
	43.0	43.7	43.7	44.1	44.1	44.1	44.3	44.3	44.3	44.4	44.4	44.4	44.4
	43.6	44.3	44.3	44.6	44.6	44.6	44.9	44.9	44.9	45.0	45.0	45.0	45.0
	46.1	46.8	46.8	47.1	47.1	47.1	47.3	47.3	47.3	47.5	47.5	47.5	47.5
	47.1	47.8	47.8	48.2	48.2	48.2	48.4	48.4	48.4	48.5	48.5	48.5	48.5
	47.9	48.6	48.6	49.0	49.0	49.0	49.2	49.2	49.2	49.4	49.4	49.4	49.4
	49.8	49.8	49.8	50.2	50.2	50.2	50.4	50.4	50.4	50.5	50.5	50.5	50.5
	50.7	50.6	50.6	51.0	51.0	51.0	51.2	51.2	51.2	51.4	51.4	51.4	51.4
	51.9	53.2	53.4	53.9	53.9	54.1	54.4	54.4	54.4	54.5	54.5	54.5	54.5
	53.5	53.3	54.1	54.7	54.7	54.8	55.1	55.1	55.1	55.2	55.2	55.2	55.2
	57.3	57.7	58.0	58.5	58.7	58.8	59.1	59.1	59.1	59.2	59.2	59.2	59.2
	60.7	60.7	61.0	62.3	62.5	62.7	63.0	63.0	63.0	63.1	63.1	63.1	63.1
	64.7	64.9	65.7	67.6	68.4	68.6	69.0	69.0	69.0	69.1	69.1	69.1	69.1
	66.7	66.9	67.7	70.0	70.8	70.9	71.4	71.5	71.5	71.6	71.6	71.6	71.6
	67.0	69.6	70.4	72.8	74.1	74.3	75.3	75.5	75.5	75.6	75.6	75.6	75.6
	71.4	71.4	72.7	75.1	76.7	76.9	78.1	78.4	78.6	78.9	78.9	78.9	78.9
	73.6	74.0	75.4	78.1	80.2	80.6	81.7	82.2	82.4	82.9	83.0	83.2	83.2
	74.5	74.9	76.3	79.9	82.1	82.4	83.7	84.2	84.5	84.9	85.0	85.2	85.2
	75.1	75.3	77.9	81.4	83.6	84.0	85.3	85.9	86.1	86.7	86.8	86.9	87.0
	76.6	76.9	78.4	82.4	84.7	85.2	86.5	87.4	87.6	88.5	88.6	88.7	88.8
	77.0	77.6	79.2	83.3	86.0	86.5	87.8	88.8	89.0	90.2	90.3	90.5	90.6
	78.5	78.6	80.1	84.5	87.5	88.2	90.1	91.4	91.6	92.8	92.9	93.1	93.2
	79.0	79.0	80.6	85.5	88.7	89.6	91.8	93.2	93.4	94.7	94.8	95.2	95.3
	79.2	79.3	80.9	86.0	89.5	90.5	92.8	94.5	94.8	96.5	96.6	96.9	97.1
	79.2	79.3	80.9	86.1	89.8	90.9	93.4	95.2	95.8	97.6	98.0	98.6	98.8
	79.2	79.3	80.9	86.1	89.8	91.0	93.8	95.5	96.1	98.0	98.4	99.3	99.5
	79.2	79.3	80.9	86.1	89.8	91.0	93.8	95.5	96.1	98.0	98.4	99.5	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG
LST TO UTC: + 5 — MONTH: FEB HOURS: 03-

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	34.6	34.7	35.0	35.1	35.5	35.5	35.8	35.8	35.9	35.9	35.9	35.9	3
GE 20000	37.9	38.0	38.4	38.6	39.0	39.0	39.3	39.5	39.7	39.7	39.7	39.7	3
GE 18000	38.2	38.3	38.6	38.9	39.2	39.2	39.6	39.7	39.9	39.9	39.9	39.9	3
GE 16000	38.4	38.5	38.9	39.1	39.5	39.5	39.8	39.9	40.2	40.2	40.2	40.2	4
GE 14000	38.8	38.9	39.2	39.5	39.8	39.8	40.2	40.3	40.5	40.5	40.5	40.5	4
GE 12000	38.8	38.9	39.2	39.5	39.8	39.8	40.2	40.3	40.5	40.5	40.5	40.5	4
GE 10000	39.6	39.7	40.2	40.4	40.8	40.8	41.1	41.3	41.7	41.8	41.8	41.8	4
GE 9000	40.4	40.5	41.0	41.2	41.6	41.6	41.9	42.2	42.5	42.6	42.6	42.6	4
GE 8000	42.8	42.9	43.3	43.6	43.9	43.9	44.3	44.5	44.9	45.0	45.0	45.0	4
GE 7000	43.8	44.1	44.5	44.8	45.1	45.1	45.5	45.7	46.1	46.2	46.2	46.2	4
GE 6000	44.3	44.6	45.1	45.3	45.8	45.8	46.2	46.4	46.8	46.9	46.9	46.9	4
GE 5000	46.7	46.1	46.5	46.8	47.2	47.2	47.6	47.8	48.2	48.3	48.3	48.3	4
GE 4500	45.9	46.3	46.8	47.0	47.6	47.6	47.9	48.2	48.5	48.6	48.6	48.6	4
GE 4000	48.5	48.9	49.6	49.8	50.5	50.9	51.6	52.3	52.7	52.8	52.8	52.8	5
GE 3500	49.9	50.3	51.0	51.7	52.5	52.9	53.6	54.3	54.7	54.8	54.8	54.8	5
GE 3000	53.2	53.6	54.3	55.2	56.7	57.0	57.7	58.7	59.0	59.1	59.1	59.1	5
GE 2500	55.6	55.9	56.8	57.8	59.4	59.8	61.1	62.1	62.4	62.5	62.5	62.5	6
GE 2000	57.6	58.0	59.0	60.4	62.4	63.3	65.0	66.1	66.4	66.5	66.9	67.0	6
GE 1800	59.7	60.1	61.1	62.9	65.0	66.0	67.8	68.9	69.3	69.5	69.8	70.0	7
GE 1500	61.7	62.1	63.4	65.8	68.1	69.3	71.6	73.3	73.6	74.8	75.3	75.7	7
GE 1200	63.4	63.7	65.1	67.6	69.8	71.0	73.6	75.4	75.7	77.1	78.0	78.6	7
GE 1000	65.0	65.5	67.0	69.5	72.3	73.5	76.2	78.2	78.6	80.2	81.3	82.0	8
GE 900	65.3	65.7	67.4	69.8	73.0	74.3	77.3	79.5	79.9	81.5	82.6	83.3	8
GE 800	66.1	66.5	68.3	70.9	74.4	75.9	78.8	81.0	81.4	83.0	84.2	85.2	8
GE 700	66.7	67.1	69.0	71.7	75.4	76.8	80.1	82.7	83.3	85.2	86.5	87.4	8
GE 600	66.9	67.4	69.3	72.0	75.7	77.5	81.0	84.1	84.7	86.6	87.9	88.9	8
GE 500	66.9	67.4	69.4	72.2	76.1	78.0	82.0	85.0	85.6	88.1	89.4	90.6	9
GE 400	67.3	67.7	69.7	72.7	76.6	78.4	83.0	86.3	87.4	90.0	91.3	92.5	9
GE 300	67.4	67.8	69.8	72.8	76.7	78.8	83.9	87.4	88.9	91.9	93.2	94.6	9
GE 200	67.4	67.8	69.8	72.8	76.7	78.8	83.9	87.6	89.4	92.5	93.8	95.3	9
GE 100	67.4	67.8	69.8	72.8	76.7	78.8	83.9	87.6	89.5	92.7	94.0	95.5	9
GE 000	67.4	67.8	69.8	72.8	76.7	78.8	83.9	87.6	89.5	92.7	94.0	95.5	9

TOTAL NUMBER OF OBSERVATIONS 849

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: FEB HOURS: 03-05

	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
1	35.5	35.5	35.8	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
	39.0	39.0	39.3	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
	39.2	39.2	39.6	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
	39.5	39.5	39.8	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
	39.8	39.8	40.2	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
	39.8	39.8	40.2	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
	40.8	40.8	41.1	41.3	41.7	41.8	41.8	41.8	41.8	41.8	41.8	41.8
	41.6	41.6	41.9	42.2	42.5	42.6	42.6	42.6	42.6	42.6	42.6	42.6
	43.9	43.9	44.3	44.5	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0
	45.1	45.1	45.5	45.7	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2
	45.8	45.8	46.2	46.4	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9
	47.2	47.2	47.6	47.8	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3
	47.6	47.6	47.9	48.2	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6
	50.5	50.9	51.6	52.3	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8
	52.5	52.9	53.6	54.3	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8
	56.7	57.0	57.7	58.7	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1
	59.4	59.8	61.1	62.1	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5
	62.4	63.3	65.0	66.1	66.4	66.5	66.9	67.0	67.0	67.0	67.1	67.1
	65.0	66.0	67.8	68.9	69.3	69.5	69.8	70.0	70.0	70.0	70.1	70.1
	68.1	69.3	71.6	73.3	73.6	74.8	75.3	75.7	75.9	75.9	76.0	76.0
	69.8	71.0	73.6	75.4	75.7	77.1	78.0	78.6	78.7	78.7	78.8	78.8
	72.3	73.5	76.2	78.2	78.6	80.2	81.3	82.0	82.1	82.1	82.2	82.2
	73.0	74.3	77.3	79.5	79.9	81.5	82.6	83.3	83.4	83.4	83.5	83.5
	74.4	75.9	78.8	81.0	81.4	83.0	84.2	85.2	85.5	85.5	85.6	85.6
	75.4	76.8	80.1	82.7	83.3	85.2	86.5	87.4	87.9	87.9	88.1	88.1
	75.7	77.5	81.0	84.1	84.7	86.6	87.9	88.9	89.6	89.6	90.0	90.0
	76.1	78.0	82.0	85.0	85.6	88.1	89.4	90.6	91.6	91.6	92.0	92.0
	76.6	78.4	83.0	86.3	87.4	90.0	91.3	92.5	93.5	93.5	94.2	94.2
	76.7	78.8	83.9	87.4	88.9	91.9	93.2	94.6	95.9	95.9	96.6	96.8
	76.7	78.8	83.9	87.6	89.4	92.5	93.8	95.3	96.8	97.1	97.9	98.4
	76.7	78.8	83.9	87.6	89.5	92.7	94.0	95.5	97.1	97.4	98.5	99.4
	76.7	78.8	83.9	87.6	89.5	92.7	94.0	95.5	97.1	97.4	98.6	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: FEB HOURS: 06-0

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE
NO CEIL	33.7	33.9	34.2	34.7	34.9	34.9	35.1	35.1	35.3	35.5	35.9	35.9	35.
GE 20000	36.3	36.5	36.9	37.7	37.9	37.9	38.2	38.4	38.6	38.8	39.2	39.2	39.
GE 18000	36.4	36.6	37.0	37.8	38.0	38.0	38.3	38.5	38.8	38.9	39.3	39.3	39.
GE 16000	36.4	36.6	37.0	37.8	38.0	38.0	38.3	38.5	38.8	38.9	39.3	39.3	39.
GE 14000	36.9	37.1	37.5	38.3	38.5	38.5	38.8	39.0	39.2	39.3	39.8	39.8	39.
GE 12000	37.6	37.8	38.2	39.0	39.2	39.2	39.5	39.7	39.9	40.0	40.5	40.5	40.
GE 10000	39.1	39.3	39.7	40.5	40.8	40.8	41.0	41.2	41.6	41.7	42.2	42.2	42.
GE 9000	39.6	39.8	40.2	41.0	41.2	41.2	41.5	41.7	42.0	42.2	42.6	42.6	42.
GE 8000	41.5	41.7	42.0	42.9	43.1	43.1	43.3	43.6	43.9	44.1	44.5	44.5	44.
GE 7000	42.5	42.8	43.1	43.9	44.2	44.2	44.4	44.6	45.0	45.1	45.6	45.6	45.
GE 6000	42.8	43.0	43.5	44.3	44.5	44.5	44.8	45.0	45.3	45.5	45.9	45.9	45.
GE 5000	43.7	43.9	44.5	45.3	45.9	46.4	46.8	47.0	47.3	47.6	48.1	48.1	48.
GE 4500	44.1	44.3	45.2	46.1	46.6	47.1	47.5	47.7	48.1	48.3	48.8	48.8	48.
GE 4000	46.4	46.6	47.6	48.4	49.0	49.5	50.4	50.9	51.2	51.6	52.1	52.1	52.
GE 3500	46.8	47.1	48.2	49.0	49.7	50.2	51.1	51.6	51.9	52.3	52.8	52.9	52.
GE 3000	50.2	50.5	51.3	52.9	53.8	54.3	55.2	55.7	56.1	56.4	56.9	57.0	57.
GE 2500	53.0	53.5	55.0	56.3	57.6	58.1	59.6	60.1	60.4	60.8	61.2	61.4	61.
GE 2000	55.5	55.9	57.3	59.3	61.6	62.1	64.0	65.0	65.4	65.8	67.0	67.1	67.
GE 1800	56.9	57.4	59.2	61.4	63.5	64.0	66.2	67.3	67.7	68.2	69.4	69.5	69.
GE 1500	59.0	59.5	61.7	64.2	66.8	67.7	70.6	72.1	72.7	73.5	74.8	74.9	74.
GE 1200	60.9	61.4	63.7	66.3	69.1	70.1	73.7	75.6	76.2	77.0	78.3	78.6	78.
GE 1000	62.5	63.0	65.4	68.0	71.1	72.1	76.1	78.1	78.7	79.6	81.0	81.3	81.
GE 900	63.3	63.7	66.1	68.8	72.3	73.4	77.5	79.6	80.2	81.3	82.9	83.2	83.
GE 800	63.5	64.0	66.7	69.8	73.6	74.7	78.8	81.0	81.6	82.7	84.3	84.6	85.
GE 700	64.3	64.8	67.5	70.8	74.7	75.9	80.0	82.3	83.2	84.2	86.0	86.2	87.
GE 600	64.4	64.9	67.7	71.0	74.9	76.1	80.2	82.7	83.6	84.7	86.5	86.8	87.
GE 500	64.7	65.4	68.4	72.0	76.1	77.3	81.5	84.1	85.2	86.2	88.2	88.6	90.
GE 400	65.4	66.1	69.1	72.7	76.9	78.2	82.9	85.6	87.0	88.3	90.5	90.8	93.
GE 300	65.4	66.1	69.3	72.8	77.1	78.7	84.0	86.7	88.2	90.1	92.5	92.9	95.
GE 200	65.4	66.1	69.3	72.8	77.1	78.7	84.0	86.7	88.5	90.6	93.1	93.5	95.
GE 100	65.4	66.1	69.3	72.8	77.1	78.7	84.0	86.9	88.7	90.9	93.4	93.9	96.
GE 000	65.4	66.1	69.3	72.8	77.1	78.7	84.0	86.9	88.7	90.9	93.4	93.9	96.

TOTAL NUMBER OF OBSERVATIONS 849

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: FEB HOURS: 06-08

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	34.9	34.9	35.1	35.1	35.3	35.5	35.9	35.9	35.9	35.9	35.9	35.9
	37.9	37.9	38.2	38.4	38.6	38.8	39.2	39.2	39.2	39.2	39.2	39.2
	38.0	38.0	38.3	38.5	38.8	38.9	39.3	39.3	39.3	39.3	39.3	39.3
	38.0	38.0	38.3	38.5	38.8	38.9	39.3	39.3	39.3	39.3	39.3	39.3
	38.5	38.5	38.8	39.0	39.2	39.3	39.8	39.8	39.8	39.8	39.8	39.8
	39.2	39.2	39.5	39.7	39.9	40.0	40.5	40.5	40.5	40.5	40.5	40.5
	40.8	40.8	41.0	41.2	41.6	41.7	42.2	42.2	42.2	42.2	42.2	42.2
	41.2	41.2	41.5	41.7	42.0	42.2	42.6	42.6	42.6	42.6	42.6	42.6
	43.1	43.1	43.3	43.6	43.9	44.1	44.5	44.5	44.5	44.5	44.5	44.5
	44.2	44.2	44.4	44.6	45.0	45.1	45.6	45.6	45.6	45.6	45.6	45.6
	44.5	44.5	44.8	45.0	45.3	45.5	45.9	45.9	45.9	45.9	45.9	45.9
	46.3	46.4	46.6	47.0	47.3	47.6	48.1	48.1	48.1	48.1	48.1	48.1
	46.6	47.1	47.5	47.7	48.1	48.3	48.8	48.8	48.8	48.8	48.8	48.8
	49.0	49.5	50.4	50.9	51.2	51.6	52.1	52.1	52.1	52.1	52.1	52.1
	49.7	50.2	51.1	51.6	51.9	52.3	52.8	52.9	52.9	52.9	52.9	52.9
	53.8	54.3	55.2	55.7	56.1	56.4	56.9	57.0	57.0	57.0	57.0	57.0
	57.6	58.1	59.6	60.1	60.4	60.8	61.2	61.4	61.4	61.4	61.4	61.4
	61.6	62.1	64.0	65.0	65.4	65.8	67.0	67.1	67.1	67.1	67.1	67.1
	63.5	64.0	66.2	67.3	67.7	68.2	69.4	69.5	69.5	69.5	69.5	69.5
	66.8	67.7	70.6	72.1	72.7	73.5	74.8	74.9	74.9	74.9	74.9	74.9
	69.1	70.1	73.7	75.6	76.2	77.0	78.3	78.6	78.7	78.7	78.7	78.7
	71.1	72.1	76.1	78.1	78.7	79.6	81.0	81.3	81.6	81.6	81.6	81.6
	72.3	73.4	77.5	79.6	80.2	81.3	82.9	83.2	83.5	83.5	83.5	83.5
	73.6	74.7	78.8	81.0	81.6	82.7	84.3	84.6	85.3	85.3	85.6	85.6
	74.7	75.9	80.0	82.3	83.2	84.2	86.0	86.2	87.0	87.0	87.9	88.0
	74.7	76.1	80.2	82.7	83.6	84.7	86.5	86.8	87.8	87.8	88.6	88.7
	76.1	77.3	81.5	84.1	85.2	86.2	88.2	88.6	90.8	91.2	92.1	92.3
	76.9	78.2	82.9	85.6	87.0	88.3	90.5	90.8	93.1	93.4	94.7	94.9
	77.1	78.7	84.0	86.7	88.2	90.1	92.5	92.9	95.2	95.6	96.9	97.4
	77.1	78.7	84.0	86.7	88.5	90.6	93.1	93.5	95.9	96.6	98.0	98.9
	77.1	78.7	84.0	86.9	88.7	90.9	93.4	93.9	96.2	96.9	98.4	99.6
	77.1	78.7	84.0	86.9	88.7	90.9	93.4	93.9	96.2	96.9	98.4	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIB
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 — MONTH: FEB — HOURS: 09-1

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	G 1/
NO CEIL	29.3	29.6	29.9	30.0	31.3	31.4	31.9	32.2	32.2	32.2	32.4	32.4	32
GE 20000	33.8	34.0	34.4	34.6	35.9	36.0	36.5	36.7	36.7	36.7	37.0	37.0	37
GE 18000	33.8	34.2	34.5	34.7	36.0	36.2	36.6	36.9	36.9	36.9	37.1	37.1	37
GE 16000	33.8	34.2	34.5	34.7	36.0	36.2	36.6	36.9	36.9	36.9	37.1	37.1	37
GE 14000	34.7	35.1	35.5	35.7	37.0	37.1	37.6	37.8	37.8	37.8	38.0	38.0	38
GE 12000	36.3	36.6	37.0	37.2	38.5	38.6	39.1	39.3	39.3	39.3	39.6	39.6	39
GE 10000	38.6	39.0	39.5	39.8	41.1	41.2	41.7	41.9	41.9	41.9	42.2	42.2	42
GE 9000	39.3	39.8	40.3	40.6	41.9	42.0	42.5	42.8	42.8	42.8	43.0	43.0	43
GE 8000	41.6	42.0	42.5	42.9	44.2	44.3	44.8	45.0	45.1	45.1	45.3	45.3	45
GE 7000	42.6	43.1	43.6	43.9	45.2	45.3	45.9	46.2	46.3	46.3	46.5	46.5	46
GE 6000	43.0	43.5	44.1	44.4	45.8	45.9	46.5	46.8	46.9	46.9	47.1	47.1	47
GE 5000	44.6	45.2	45.8	46.3	48.2	48.4	49.0	49.2	49.4	49.4	49.6	49.6	49
GE 4500	45.1	45.7	46.3	46.8	48.8	49.0	49.6	49.8	49.9	49.9	50.2	50.2	50
GE 4000	45.9	46.5	47.2	47.7	49.7	49.9	50.6	51.1	51.2	51.2	51.5	51.5	51
GE 3500	46.4	47.1	47.9	48.4	50.4	50.6	51.5	51.9	52.1	52.1	52.3	52.3	52
GE 3000	47.8	48.5	49.9	50.6	52.9	53.2	54.3	54.8	54.9	54.9	55.1	55.1	55
GE 2500	50.4	51.4	53.0	54.1	56.7	57.1	58.4	59.0	59.1	59.2	59.5	59.5	59
GE 2000	52.3	53.5	55.6	56.9	59.8	60.3	63.1	63.8	64.2	64.8	65.1	65.3	65
GE 1800	53.4	54.8	56.9	58.3	61.6	62.1	65.3	66.1	66.4	67.1	67.5	67.6	69
GE 1500	55.5	56.9	59.4	61.1	65.0	65.5	69.4	70.4	70.8	71.5	72.0	72.1	72
GE 1200	56.5	58.0	61.1	63.4	68.0	68.4	72.4	73.5	74.4	75.4	76.3	76.4	76
GE 1000	57.6	59.0	62.4	64.8	69.8	70.3	74.8	76.2	77.3	78.6	79.6	79.7	80
GE 900	58.9	60.4	64.0	66.3	71.5	72.0	76.4	78.0	79.0	80.3	81.4	81.5	82
GE 800	59.1	60.8	64.4	66.9	72.3	72.8	77.4	79.0	80.3	81.6	82.9	83.2	84
GE 700	59.4	61.1	64.8	67.3	72.7	73.1	77.7	79.5	80.8	82.3	84.0	84.3	85
GE 600	59.8	61.6	65.4	67.8	73.5	74.0	78.6	80.4	81.7	83.3	84.9	85.4	86
GE 500	60.2	62.0	65.8	68.4	74.3	74.9	79.6	81.6	83.6	85.6	87.9	88.6	90
GE 400	60.4	62.2	66.7	69.4	75.4	76.1	80.8	83.0	85.3	87.5	90.5	91.2	93
GE 300	60.4	62.2	66.7	69.5	75.9	76.6	81.3	83.6	85.9	88.3	92.1	92.9	94
GE 200	60.4	62.2	66.7	69.5	75.9	76.6	81.3	83.6	85.9	88.3	92.7	93.6	95
GE 100	60.4	62.2	66.7	69.5	75.9	76.6	81.3	83.6	85.9	88.3	92.8	93.8	96
GE 000	60.4	62.2	66.7	69.5	75.9	76.6	81.3	83.6	85.9	88.3	92.8	93.8	96

TOTAL NUMBER OF OBSERVATIONS 849

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

N NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: FEB HOURS: 09-11

CE	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
[illegible]	31.3	31.4	31.9	32.2	32.2	32.2	32.4	32.4	32.4	32.4	32.4	32.4
[illegible]	35.9	36.0	36.5	36.7	36.7	36.7	37.0	37.0	37.0	37.0	37.0	37.0
[illegible]	36.0	36.2	36.6	36.9	36.9	36.9	37.1	37.1	37.1	37.1	37.1	37.1
[illegible]	36.0	36.2	36.6	36.9	36.9	36.9	37.1	37.1	37.1	37.1	37.1	37.1
[illegible]	37.0	37.1	37.6	37.8	37.8	37.8	38.0	38.0	38.0	38.0	38.0	38.0
[illegible]	38.5	38.6	39.1	39.3	39.3	39.3	39.6	39.6	39.6	39.6	39.6	39.6
[illegible]	41.1	41.2	41.7	41.9	41.9	41.9	42.2	42.2	42.2	42.2	42.2	42.2
[illegible]	41.9	42.0	42.5	42.8	42.8	42.8	43.0	43.0	43.0	43.0	43.0	43.0
[illegible]	44.2	44.3	44.8	45.0	45.1	45.1	45.3	45.3	45.3	45.3	45.3	45.3
[illegible]	45.2	45.3	45.9	46.2	46.3	46.3	46.5	46.5	46.5	46.5	46.5	46.5
[illegible]	45.8	45.9	46.5	46.8	46.9	46.9	47.1	47.1	47.1	47.1	47.1	47.1
[illegible]	48.2	48.4	49.0	49.2	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6
[illegible]	48.8	49.0	49.6	49.8	49.9	49.9	50.2	50.2	50.2	50.2	50.2	50.2
[illegible]	49.7	49.9	50.6	51.1	51.2	51.2	51.5	51.5	51.6	51.6	51.6	51.6
[illegible]	50.4	50.6	51.5	51.9	52.1	52.1	52.3	52.3	52.4	52.4	52.4	52.4
[illegible]	52.9	53.2	54.3	54.8	54.9	54.9	55.1	55.1	55.2	55.2	55.2	55.2
[illegible]	56.7	57.1	58.4	59.0	59.1	59.2	59.5	59.5	59.7	59.7	59.7	59.7
[illegible]	59.5	60.3	63.1	63.8	64.2	64.8	65.1	65.3	65.6	65.6	65.6	65.6
[illegible]	61.6	62.1	65.3	66.1	66.4	67.1	67.5	67.6	68.0	68.0	68.0	68.0
[illegible]	65.0	65.5	69.4	70.4	70.8	71.5	72.0	72.1	72.4	72.4	72.4	72.4
[illegible]	68.0	68.4	72.4	73.5	74.4	75.4	76.3	76.4	76.8	76.8	76.8	76.8
[illegible]	69.8	70.3	74.8	76.2	77.3	78.6	79.6	79.7	80.8	80.8	80.8	80.8
[illegible]	71.5	72.0	76.4	78.0	79.0	80.3	81.4	81.5	82.6	82.6	82.6	82.6
[illegible]	72.3	72.8	77.4	79.0	80.3	81.6	82.9	83.2	84.2	84.2	84.3	84.3
[illegible]	72.7	73.1	77.7	79.5	80.8	82.3	84.0	84.3	85.4	85.4	85.5	86.2
[illegible]	73.5	74.0	78.6	80.4	81.7	83.3	84.9	85.4	86.6	86.6	86.7	87.4
[illegible]	74.3	74.9	79.6	81.6	83.6	85.6	87.9	88.6	90.3	90.3	90.5	91.4
[illegible]	75.4	76.1	80.8	83.0	85.3	87.5	90.5	91.2	93.1	93.2	94.1	95.1
[illegible]	75.9	76.6	81.3	83.6	85.9	88.3	92.1	92.9	94.9	95.1	96.3	97.3
[illegible]	75.9	76.6	81.3	83.6	85.9	88.3	92.7	93.6	95.8	95.9	97.3	99.1
[illegible]	75.9	76.6	81.3	83.6	85.9	88.3	92.8	93.8	96.2	96.3	97.8	99.6
[illegible]	75.9	76.6	81.3	83.6	85.9	88.3	92.8	93.8	96.2	96.3	97.8	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBIL
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 — MONTH: FEB — HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	28.9	29.3	29.4	29.6	29.7	29.7	30.0	30.0	30.0	30.3	30.3	30.3	30.3
GE 20000	34.3	34.7	34.9	35.2	35.3	35.3	35.7	35.7	35.7	35.9	35.9	35.9	35.9
GE 18000	34.5	35.0	35.1	35.6	35.7	35.7	36.0	36.0	36.0	36.3	36.3	36.3	36.3
GE 16000	34.7	35.2	35.3	35.8	35.9	35.9	36.3	36.3	36.3	36.5	36.5	36.5	36.5
GE 14000	35.9	36.4	36.5	37.1	37.2	37.2	37.6	37.6	37.7	38.0	38.0	38.0	38.0
GE 12000	37.1	37.6	37.7	38.3	38.4	38.4	38.8	38.8	38.9	39.2	39.2	39.2	39.2
GE 10000	38.4	38.9	39.0	39.8	39.9	39.9	40.3	40.3	40.4	40.8	40.8	40.8	40.8
GE 9000	38.6	39.1	39.2	40.0	40.2	40.2	40.5	40.5	40.6	41.0	41.0	41.0	41.0
GE 8000	41.3	41.8	42.0	42.9	43.0	43.2	43.6	43.6	43.7	44.1	44.1	44.1	44.1
GE 7000	43.1	43.6	43.9	44.6	44.9	45.1	45.5	45.6	45.7	46.1	46.1	46.1	46.1
GE 6000	43.2	43.7	43.9	44.8	45.1	45.3	45.7	45.8	45.9	46.4	46.4	46.4	46.4
GE 5000	44.4	45.2	45.7	46.8	47.3	47.6	47.9	48.2	48.5	49.0	49.0	49.0	49.0
GE 4500	44.5	45.3	45.8	46.9	47.5	47.7	48.1	48.3	48.6	49.1	49.1	49.1	49.1
GE 4000	46.3	47.1	47.7	48.9	49.4	49.6	49.9	50.2	50.5	51.1	51.1	51.1	51.1
GE 3500	47.2	48.1	48.9	50.1	50.8	51.0	51.4	51.6	51.9	52.5	52.5	52.5	52.5
GE 3000	50.3	51.2	52.4	53.6	54.8	55.0	55.4	55.6	55.9	56.5	56.5	56.5	56.5
GE 2500	51.7	53.1	54.4	55.8	57.5	58.0	58.7	59.0	59.5	60.2	60.3	60.3	60.3
GE 2000	55.5	57.2	59.1	60.9	63.0	63.5	65.0	65.6	66.1	66.9	67.1	67.1	67.3
GE 1800	56.8	58.5	60.5	62.3	64.5	65.1	67.1	67.8	68.3	69.1	69.4	69.4	69.5
GE 1500	59.2	61.0	64.0	65.8	68.9	69.7	72.4	73.6	74.3	75.4	75.7	75.7	76.0
GE 1200	61.5	63.8	66.8	69.1	72.4	73.5	76.9	78.1	78.8	80.0	80.6	80.6	80.8
GE 1000	63.1	65.5	68.7	71.1	74.4	75.7	79.6	81.0	81.9	83.4	84.3	84.3	85.3
GE 900	64.0	66.5	70.2	73.0	76.6	77.9	81.9	83.5	84.5	86.1	87.0	87.0	88.0
GE 800	64.2	66.8	70.7	73.5	77.3	78.6	82.7	84.9	85.9	88.0	88.9	88.9	89.9
GE 700	64.5	67.3	71.1	74.1	78.0	79.4	83.5	85.9	86.9	89.0	90.0	90.1	91.0
GE 600	64.7	67.4	71.3	74.2	78.1	79.5	83.6	86.5	87.5	89.6	90.7	90.9	91.9
GE 500	64.7	67.4	71.3	74.2	78.3	79.7	84.3	87.5	88.7	91.0	92.5	92.8	93.9
GE 400	64.7	67.4	71.5	74.6	78.7	80.2	84.9	88.1	89.3	91.8	93.4	94.0	95.2
GE 300	64.7	67.4	71.5	74.6	78.7	80.2	84.9	88.2	89.4	91.9	94.0	94.7	96.2
GE 200	64.7	67.4	71.5	74.6	78.7	80.2	84.9	88.2	89.4	91.9	94.0	94.7	96.3
GE 100	64.7	67.4	71.5	74.6	78.7	80.2	84.9	88.2	89.4	91.9	94.2	94.9	96.6
GE 000	64.7	67.4	71.5	74.6	78.7	80.2	84.9	88.2	89.4	91.9	94.2	94.9	96.6

TOTAL NUMBER OF OBSERVATIONS 849

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

FROM: K. I. SAWYER AFB MI
+ 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: FEB HOURS: 12-14

CEILING	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	29.7	29.7	30.0	30.0	30.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3
	35.3	35.3	35.7	35.7	35.7	35.9	35.9	35.9	35.9	35.9	35.9	35.9
	35.7	35.7	36.0	36.0	36.0	36.3	36.3	36.3	36.3	36.3	36.3	36.3
	35.9	35.9	36.3	36.3	36.3	36.5	36.5	36.5	36.5	36.5	36.5	36.5
	37.2	37.2	37.6	37.6	37.7	38.0	38.0	38.0	38.0	38.0	38.0	38.0
	38.4	38.4	38.8	38.8	38.9	39.2	39.2	39.2	39.2	39.2	39.2	39.2
	39.9	39.9	40.3	40.3	40.4	40.8	40.8	40.8	40.8	40.8	40.8	40.8
	40.2	40.2	40.5	40.5	40.6	41.0	41.0	41.0	41.0	41.0	41.0	41.0
	43.0	43.2	43.6	43.6	43.7	44.1	44.1	44.1	44.1	44.1	44.1	44.1
	44.9	45.1	45.5	45.6	45.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1
	45.1	45.3	45.7	45.8	45.9	46.4	46.4	46.4	46.4	46.4	46.4	46.4
	47.3	47.6	47.9	48.2	48.5	49.0	49.0	49.0	49.0	49.0	49.0	49.0
	47.5	47.7	48.1	48.3	48.6	49.1	49.1	49.1	49.1	49.1	49.1	49.1
	49.4	49.6	49.9	50.2	50.5	51.1	51.1	51.1	51.1	51.1	51.1	51.1	
	50.8	51.0	51.4	51.6	51.9	52.5	52.5	52.5	52.5	52.5	52.5	52.5
	54.8	55.0	55.4	55.6	55.9	56.5	56.5	56.5	56.5	56.5	56.5	56.5
	57.5	58.0	58.7	59.0	59.5	60.2	60.3	60.3	60.3	60.3	60.3	60.3
	63.0	63.5	65.0	65.6	66.1	66.9	67.1	67.1	67.3	67.3	67.3	67.3
	64.5	65.1	67.1	67.8	68.3	69.1	69.4	69.4	69.5	69.5	69.5	69.5
	68.9	69.7	72.4	73.6	74.3	75.4	75.7	75.7	76.0	76.0	76.2	76.2
	72.4	73.5	76.9	78.1	78.8	80.0	80.6	80.6	80.8	80.9	81.2	81.2
	74.4	75.7	79.6	81.0	81.9	83.4	84.3	84.3	85.3	85.4	85.6	85.6
	75.6	77.9	81.9	83.5	84.5	86.1	87.0	87.0	88.0	88.1	88.3	88.3
	77.3	78.6	82.7	84.9	85.9	88.0	88.9	88.9	89.9	90.0	90.2	90.2
	78.0	79.4	83.5	85.9	86.9	89.0	90.0	90.1	91.0	91.2	91.4	91.8
	78.1	79.5	83.6	86.5	87.5	89.6	90.7	90.9	91.9	92.1	92.3	92.7
	78.3	79.7	84.3	87.5	88.7	91.0	92.5	92.8	93.9	94.1	94.5	94.8
	78.7	80.2	84.9	88.1	89.3	91.8	93.4	94.0	95.2	95.6	96.3	96.7
	78.7	80.2	84.9	88.2	89.4	91.9	94.0	94.7	96.2	96.7	97.9	98.2
	78.7	80.2	84.9	88.2	89.4	91.9	94.0	94.7	96.3	97.1	98.5	99.3
	78.7	80.2	84.9	88.2	89.4	91.9	94.2	94.9	96.6	97.4	98.8	99.6
	78.7	80.2	84.9	88.2	89.4	91.9	94.2	94.9	96.6	97.4	98.8	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: FEB HOURS: 15-

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	29.8	29.9	30.0	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	3
GE 20000	35.8	35.9	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	3
GE 18000	36.6	36.9	37.2	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	3
GE 16000	37.2	37.5	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	3
GE 14000	38.6	38.9	39.2	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	3
GE 12000	40.9	41.1	41.5	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	4
GE 10000	43.3	43.6	43.9	44.4	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	4
GE 9000	43.6	43.8	44.2	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	4
GE 8000	45.3	45.6	45.9	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	4
GE 7000	46.4	46.6	47.0	47.6	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	4
GE 6000	46.6	46.9	47.2	47.8	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	4
GE 5000	47.8	48.1	48.4	49.0	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	4
GE 4500	47.8	48.1	48.4	49.0	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	4
GE 4000	49.6	49.8	50.8	51.6	51.8	51.9	51.9	52.1	52.2	52.2	52.2	52.2	5
GE 3500	51.2	51.5	52.5	53.4	53.8	53.9	53.9	54.1	54.2	54.2	54.2	54.2	5
GE 3000	55.9	56.2	57.4	58.2	58.9	59.0	59.0	59.1	59.2	59.2	59.4	59.4	5
GE 2500	58.8	59.2	61.0	62.1	62.9	63.0	63.4	63.6	63.7	63.8	64.0	64.0	6
GE 2000	62.3	63.1	66.8	68.2	69.6	69.7	70.1	70.3	70.4	70.6	70.7	70.8	7
GE 1800	63.5	64.4	68.1	69.5	71.0	71.1	71.5	72.1	72.2	72.6	72.7	72.8	7
GE 1500	65.7	67.1	71.6	73.6	76.0	76.2	77.0	78.0	78.4	79.3	79.7	79.9	8
GE 1200	67.1	68.9	74.2	76.7	79.6	79.9	80.9	82.0	82.7	83.9	84.8	85.0	8
GE 1000	68.4	70.3	75.9	78.7	81.7	82.1	83.2	84.5	85.3	86.5	87.5	87.8	8
GE 900	68.8	70.7	76.8	79.6	82.9	83.3	84.3	86.0	86.8	88.0	89.0	89.4	8
GE 800	69.3	71.1	77.6	80.7	84.1	84.5	85.5	87.5	88.9	90.1	91.3	91.6	9
GE 700	69.5	71.4	77.9	81.3	84.7	85.0	86.1	88.1	89.5	90.9	92.5	92.8	9
GE 600	69.6	71.5	78.0	81.4	84.8	85.3	86.3	88.3	89.8	91.2	92.8	93.2	9
GE 500	69.6	71.5	78.0	81.4	84.8	85.4	86.5	88.6	90.0	91.9	93.5	93.9	9
GE 400	69.6	71.5	78.0	81.4	84.8	85.4	86.5	88.8	90.3	92.5	94.5	94.9	9
GE 300	69.6	71.5	78.0	81.4	84.8	85.4	86.5	88.8	90.6	93.3	95.6	96.1	9
GE 200	69.6	71.5	78.0	81.4	84.8	85.4	86.5	88.8	90.6	93.3	95.6	96.1	9
GE 100	69.6	71.5	78.0	81.4	84.8	85.4	86.5	88.8	90.6	93.3	95.6	96.1	9
GE 000	69.6	71.5	78.0	81.4	84.8	85.4	86.5	88.8	90.6	93.3	95.6	96.1	9

TOTAL NUMBER OF OBSERVATIONS 849

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: FEB HOURS: 15-17

CEILING	VISIBILITY IN STATUTE MILES											
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
GE 30	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3	30.3
GE 35	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
GE 37	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
GE 38	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
GE 39	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
GE 41	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
GE 44	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
GE 45	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
GE 46	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
GE 47	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
GE 47	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 49	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
GE 49	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
GE 51	51.8	51.9	51.9	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 53	53.8	53.9	53.9	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 58	58.9	59.0	59.0	59.1	59.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 62	62.9	63.0	63.4	63.6	63.7	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 69	69.6	69.7	70.1	70.3	70.4	70.6	70.7	70.8	70.9	71.0	71.0	71.0	71.0
GE 69	71.0	71.1	71.5	72.1	72.2	72.6	72.7	72.8	72.9	73.0	73.0	73.0	73.0
GE 73	76.0	76.2	77.0	78.0	78.4	79.3	79.7	79.9	80.0	80.1	80.1	80.1	80.1
GE 78	79.6	79.9	80.9	82.0	82.7	83.9	84.8	85.0	85.2	85.3	85.3	85.3	85.3
GE 79	81.7	82.1	83.2	84.5	85.3	86.5	87.5	87.8	88.2	88.5	88.5	88.5	88.5
GE 79	82.9	83.3	84.3	86.0	86.8	88.0	89.0	89.4	89.9	90.1	90.1	90.1	90.1
GE 81	84.1	84.5	85.5	87.5	88.9	90.1	91.3	91.6	92.1	92.3	92.3	92.3	92.3
GE 81	84.7	85.0	86.1	88.1	89.5	90.9	92.5	92.8	93.5	93.8	93.8	94.1	
GE 81	84.8	85.3	86.3	88.3	89.8	91.2	92.8	93.2	94.1	94.3	94.5	94.8	
GE 81	84.8	85.4	86.5	88.6	90.0	91.9	93.5	93.9	94.9	95.2	95.3	95.8	
GE 81	84.8	85.4	86.5	88.8	90.3	92.5	94.5	94.9	96.3	96.6	96.9	97.4	
GE 81	84.8	85.4	86.5	88.8	90.6	93.3	95.6	96.1	97.9	98.1	98.6	99.1	
GE 81	84.8	85.4	86.5	88.8	90.6	93.3	95.6	96.1	97.9	98.1	99.2	100.0	
GE 81	84.8	85.4	86.5	88.8	90.6	93.3	95.6	96.1	97.9	98.1	99.2	100.0	
GE 81	84.8	85.4	86.5	88.8	90.6	93.3	95.6	96.1	97.9	98.1	99.2	100.0	

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 — MONTH: FEB — HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	33.3	33.9	33.9	33.9	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.
GE 20000	40.0	40.6	40.8	40.8	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.
GE 18000	40.6	41.2	41.3	41.3	42.0	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.
GE 16000	40.6	41.2	41.3	41.3	42.0	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.
GE 14000	42.8	43.3	43.5	43.5	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.
GE 12000	43.9	44.5	44.6	44.6	45.3	45.3	45.3	45.5	45.5	45.5	45.5	45.5	45.
GE 10000	46.5	47.2	47.6	47.6	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.
GE 9000	46.8	47.5	47.8	47.8	48.6	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.
GE 8000	49.5	50.3	50.6	50.6	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.
GE 7000	49.8	50.6	51.0	51.0	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.
GE 6000	50.4	51.2	51.6	51.6	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.
GE 5000	51.4	52.3	52.7	52.7	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.
GE 4500	51.4	52.3	52.7	52.7	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.
GE 4000	52.2	53.4	53.8	53.8	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.
GE 3500	53.1	54.4	54.9	55.0	56.2	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.
GE 3000	55.7	57.1	57.6	57.7	59.2	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.
GE 2500	59.2	60.9	61.6	61.8	63.5	63.6	63.8	64.4	64.4	64.4	64.4	64.4	64.
GE 2000	63.4	65.3	66.4	67.0	69.7	70.0	70.3	71.7	71.8	71.8	71.8	71.8	71.
GE 1800	64.8	66.9	68.1	69.3	72.0	72.2	72.6	74.0	74.1	74.1	74.1	74.1	74.
GE 1500	69.4	71.6	72.9	74.6	77.9	78.2	78.9	80.8	81.6	81.6	81.7	81.7	81.
GE 1200	70.7	73.3	75.0	77.1	81.0	81.4	82.4	84.6	85.4	85.4	85.5	85.5	85.
GE 1000	71.1	73.7	75.6	77.7	82.6	82.9	84.2	86.5	87.3	87.5	87.8	87.8	88.
GE 900	72.0	74.7	76.6	78.8	83.6	84.0	85.3	87.8	88.6	88.8	89.0	89.0	89.
GE 800	72.3	75.0	76.9	79.2	84.0	84.3	85.6	88.8	90.1	90.3	90.6	90.6	90.
GE 700	72.3	75.0	76.9	79.4	84.2	84.7	86.0	89.4	91.2	91.4	91.6	91.6	92.
GE 600	72.4	75.1	77.3	79.7	84.7	85.3	86.7	90.2	92.0	92.5	92.7	92.7	93.
GE 500	72.6	75.4	77.7	80.2	85.4	86.0	89.1	91.9	93.8	94.2	94.9	94.9	95.
GE 400	72.7	75.5	77.9	80.3	85.5	86.1	88.3	92.5	94.3	94.8	95.6	95.6	96.
GE 300	72.7	75.5	77.9	80.3	85.6	96.2	88.5	92.6	94.8	95.4	96.2	96.3	96.
GE 200	72.7	75.5	77.9	80.3	85.6	86.2	88.5	92.6	94.8	95.5	96.5	96.6	97.
GE 100	72.7	75.5	77.9	80.3	85.6	86.2	88.5	92.6	94.8	95.5	96.5	96.6	97.
GE 000	72.7	75.5	77.9	80.3	85.6	86.2	88.5	92.6	94.8	95.5	96.5	96.6	97.

TOTAL NUMBER OF OBSERVATIONS 849

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: FEB HOURS: 18-20

CEILING GE	VISIBILITY IN STATUTE MILES GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	33.9	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
	40.8	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
	41.3	42.0	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
	41.3	42.0	42.0	42.0	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
	43.5	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
	44.6	45.3	45.3	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
	47.6	48.4	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
	47.8	48.6	48.6	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
	50.6	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
	51.0	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
	51.6	52.4	52.4	52.4	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
	52.7	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
	52.7	53.5	53.5	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
	53.?	54.9	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
	55.0	56.2	56.2	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
	57.7	59.2	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
	61.3	63.5	63.6	63.8	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
	67.0	69.7	70.0	70.3	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
	69.3	72.0	72.2	72.6	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
	74.5	77.9	78.2	78.9	80.8	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7
	77.1	81.0	81.4	82.4	84.6	85.4	85.4	85.5	85.5	85.7	85.9	85.9	85.9
	77.7	82.6	82.9	84.2	86.5	87.3	87.5	87.8	87.8	88.0	88.2	88.2	88.2
	78.3	83.6	84.0	85.3	87.8	88.6	88.8	89.0	89.0	89.3	89.5	89.5	89.5
	79.2	84.0	84.3	85.6	88.8	90.1	90.3	90.6	90.6	90.8	91.0	91.2	91.2
	79.4	84.2	84.7	86.0	89.4	91.2	91.4	91.6	91.6	92.0	92.2	92.5	92.6
	79.7	84.7	85.3	86.7	90.2	92.0	92.5	92.7	92.7	93.1	93.3	93.6	93.8
	80.2	85.4	86.0	89.1	91.9	93.8	94.2	94.9	94.9	95.3	95.6	96.0	96.2
	80.3	85.5	86.1	88.3	92.5	94.3	94.8	95.6	95.6	96.0	96.3	96.7	96.9
	80.3	85.6	86.2	88.5	92.6	94.8	95.4	96.2	96.3	96.9	97.3	97.6	98.0
	80.3	85.6	86.2	88.5	92.6	94.8	95.5	96.5	96.6	97.4	98.2	98.8	99.8
	80.3	85.6	86.2	88.5	92.6	94.8	95.5	96.5	96.6	97.4	98.2	98.9	100.0
	80.3	85.6	86.2	88.5	92.6	94.8	95.5	96.5	96.6	97.4	98.2	98.9	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS V
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: A
LST TO UTC: + 5 — MONTH: FEB HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	35.6	35.7	36.4	36.5	37.0	37.0	37.2	37.2	37.2	37.2	37.2	37.2
GE 20000	40.6	40.8	41.5	41.6	42.0	42.0	42.3	42.3	42.3	42.3	42.3	42.3
GE 18000	41.0	41.1	41.8	41.9	42.4	42.4	42.6	42.6	42.6	42.6	42.6	42.6
GE 16000	41.0	41.1	41.8	41.9	42.4	42.4	42.6	42.6	42.6	42.6	42.6	42.6
GE 14000	42.8	43.0	43.8	44.1	44.5	44.5	44.8	44.8	44.8	44.8	44.8	44.8
GE 12000	43.5	43.7	44.5	44.8	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5
GE 10000	45.0	45.2	46.1	46.3	46.8	46.8	47.0	47.0	47.0	47.0	47.0	47.0
GE 9000	45.3	45.6	46.4	46.6	47.1	47.1	47.3	47.3	47.3	47.3	47.3	47.3
GE 8000	47.0	47.2	48.1	48.3	48.9	48.9	49.1	49.1	49.1	49.1	49.1	49.1
GE 7000	47.7	48.1	48.9	49.1	50.1	50.3	50.5	50.5	50.5	50.5	50.5	50.5
GE 6000	48.5	48.9	49.7	49.9	50.9	51.1	51.4	51.4	51.4	51.4	51.4	51.4
GE 5000	50.3	50.6	51.5	51.7	52.7	52.9	53.1	53.1	53.1	53.1	53.1	53.1
GE 4500	51.2	51.6	52.4	52.7	53.6	53.8	54.1	54.1	54.1	54.1	54.1	54.1
GE 4000	53.0	53.6	54.7	54.9	56.1	56.4	56.7	56.7	56.7	56.7	56.7	56.7
GE 3500	53.7	54.3	55.4	55.7	57.0	57.5	57.7	57.7	57.7	57.7	57.7	57.7
GE 3000	55.9	56.5	58.1	58.5	60.0	60.4	60.7	60.7	60.7	60.7	60.7	60.7
GE 2500	59.4	60.0	62.0	62.7	64.2	64.7	65.0	65.3	65.3	65.3	65.3	65.3
GE 2000	62.2	63.0	65.1	66.1	68.4	69.3	70.0	70.6	70.7	70.8	70.8	70.8
GE 1800	63.5	64.3	66.4	67.5	69.8	70.7	71.5	72.1	72.3	72.4	72.4	72.4
GE 1500	66.9	67.7	70.0	71.1	73.9	74.9	76.2	77.5	78.4	78.7	78.9	78.9
GE 1200	68.8	69.6	72.2	73.7	76.8	77.9	79.4	80.8	81.7	82.0	82.2	82.2
GE 1000	69.7	70.6	73.3	75.4	78.9	80.0	81.9	83.6	84.6	85.2	85.5	85.5
GE 900	70.0	71.0	73.7	75.9	79.7	80.8	82.7	84.8	85.7	86.3	86.7	86.7
GE 800	70.6	71.6	74.4	76.6	80.7	81.9	83.7	86.1	87.0	87.6	88.2	88.2
GE 700	70.6	71.6	74.4	76.6	80.7	81.9	83.9	86.3	87.5	88.3	89.2	89.2
GE 600	70.9	72.0	75.0	77.1	81.3	82.4	84.6	87.2	88.7	89.6	90.7	90.7
GE 500	71.3	72.4	75.6	77.9	82.0	83.2	85.6	88.3	89.9	91.0	92.2	92.2
GE 400	71.4	72.6	75.7	78.1	82.4	83.6	86.6	89.9	91.4	92.9	94.3	94.3
GE 300	71.4	72.6	75.7	78.1	82.4	83.6	86.8	90.6	92.6	94.2	95.9	96.0
GE 200	71.4	72.6	75.7	78.1	82.6	83.9	87.2	91.0	93.2	95.2	97.1	97.3
GE 100	71.4	72.6	75.7	78.1	82.6	83.9	87.2	91.0	93.2	95.2	97.1	97.3
GE 000	71.4	72.6	75.7	78.1	82.6	83.9	87.2	91.0	93.2	95.2	97.1	97.3

TOTAL NUMBER OF OBSERVATIONS 849

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: FEB HOURS: 21-23

CEILING GE	VISIBILITY IN STATUTE MILES GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	37.0	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.3
	42.0	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.4
	42.4	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.8
	42.4	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.8
	44.5	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.9
	45.2	45.2	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.6
	46.8	46.8	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.1
	47.1	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.5
	48.9	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.2
	50.1	50.3	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.6
	50.9	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.5
	52.7	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.2
	53.6	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.2
	55.1	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8
	57.0	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8
	60.0	60.4	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8
	64.2	64.7	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.4
	68.4	69.3	70.0	70.6	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.9
	69.8	70.7	71.5	72.1	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.6
	73.9	74.9	76.2	77.5	78.4	78.7	78.9	78.9	78.9	78.9	78.9	79.0
	76.9	77.9	79.4	80.8	81.7	82.0	82.2	82.2	82.4	82.4	82.4	82.6
	78.9	80.0	81.9	83.6	84.6	85.2	85.5	85.5	85.9	85.9	85.9	86.0
	79.7	80.8	82.7	84.8	85.7	86.3	86.7	86.7	87.0	87.0	87.0	87.2
	80.7	81.9	83.7	86.1	87.0	87.6	88.2	88.2	88.6	88.6	88.6	88.7
	80.7	81.9	83.9	86.3	87.5	88.3	89.2	89.2	89.8	89.8	89.8	89.9
	81.3	82.4	84.6	87.2	88.7	89.6	90.7	90.7	91.3	91.4	91.5	91.6
	82.0	83.2	85.6	88.3	89.9	91.0	92.2	92.2	92.8	92.9	93.1	93.2
	82.4	83.6	86.6	89.9	91.4	92.9	94.3	94.3	94.9	95.1	95.2	95.3
	82.4	83.6	86.8	90.6	92.6	94.2	95.9	96.0	96.7	96.8	96.9	97.1
	82.6	83.9	87.2	91.0	93.2	95.2	97.1	97.3	98.5	98.8	99.3	99.6
	82.6	83.9	87.2	91.0	93.2	95.2	97.1	97.3	98.5	98.8	99.6	100.0
	82.6	83.9	87.2	91.0	93.2	95.2	97.1	97.3	98.5	98.8	99.6	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	32.5	32.8	33.1	33.3	33.7	33.7	34.0	34.0	34.1	34.1	34.2	34.2	34.2
GE 20000	37.1	37.4	37.7	38.0	38.5	38.5	38.8	38.8	38.9	39.0	39.1	39.1	39.
GE 18000	37.4	37.7	38.1	38.4	38.9	38.9	39.1	39.2	39.3	39.4	39.4	39.4	39.
GE 16000	37.5	37.9	38.2	38.5	39.0	39.0	39.3	39.4	39.4	39.5	39.6	39.6	39.
GE 14000	38.7	39.0	39.4	39.8	40.3	40.3	40.5	40.6	40.7	40.8	40.9	40.9	40.
GE 12000	39.7	40.1	40.5	40.8	41.3	41.3	41.6	41.7	41.7	41.8	41.9	41.9	41.
GE 10000	41.5	41.9	42.3	42.7	43.3	43.3	43.5	43.6	43.7	43.8	43.9	43.9	43.
GE 9000	42.0	42.3	42.8	43.2	43.7	43.8	44.0	44.1	44.2	44.3	44.4	44.4	44.
GE 8000	44.2	44.6	45.0	45.5	46.0	46.1	46.3	46.4	46.5	46.6	46.7	46.7	46.
GE 7000	45.2	45.6	46.1	46.5	47.1	47.2	47.5	47.6	47.7	47.8	47.9	47.9	47.
GE 6000	45.6	46.1	46.6	47.0	47.7	47.7	48.0	48.1	48.2	48.4	48.4	48.4	48.
GE 5000	46.9	47.4	48.0	48.5	49.2	49.4	49.7	49.8	50.0	50.1	50.2	50.2	50.
GE 4500	47.2	47.8	48.4	48.8	49.7	49.8	50.1	50.3	50.4	50.5	50.6	50.6	50.
GE 4000	49.0	49.6	50.4	50.9	51.8	52.1	52.5	52.8	52.9	53.1	53.2	53.2	53.
GE 3500	49.8	50.5	51.4	52.0	53.0	53.3	53.8	54.0	54.2	54.4	54.5	54.5	54.
GE 3000	52.8	53.5	54.6	55.3	56.7	57.0	57.6	57.9	58.0	58.2	58.3	58.3	58.
GE 2500	55.5	56.4	57.7	58.7	60.3	60.7	61.5	62.0	62.2	62.4	62.5	62.5	62.
GE 2000	58.5	59.6	61.5	62.8	64.9	65.5	66.9	67.7	67.9	68.3	68.6	68.6	69.
GE 1800	59.9	61.0	63.0	64.5	66.8	67.4	69.0	69.9	70.2	70.6	70.8	70.9	71.
GE 1500	62.4	63.7	66.0	67.9	70.8	71.5	73.6	75.0	75.5	76.3	76.7	76.8	76.
GE 1200	64.0	65.4	68.1	70.3	73.5	74.4	76.8	78.3	79.0	79.9	80.5	80.7	80.
GE 1000	65.2	66.7	69.6	72.0	75.6	76.5	79.3	81.0	81.8	82.8	83.7	83.9	84.
GE 900	65.9	67.5	70.5	73.0	76.8	77.7	80.7	82.7	83.4	84.5	85.4	85.6	86.
GE 800	66.3	67.9	71.1	73.7	77.8	78.8	81.7	84.0	84.9	86.1	87.0	87.3	87.
GE 700	66.7	68.3	71.5	74.2	78.4	79.4	82.5	84.9	85.9	87.2	88.4	88.7	89.
GE 600	66.9	68.6	71.9	74.5	78.8	79.9	83.0	85.7	86.8	88.1	89.4	89.7	90.
GE 500	67.1	68.8	72.2	75.0	79.4	80.6	84.0	86.8	88.1	89.8	91.3	91.7	92.
GE 400	67.3	69.0	72.6	75.4	79.9	81.1	84.8	87.9	89.3	91.2	92.9	93.3	94.
GE 300	67.4	69.1	72.6	75.5	80.1	81.3	85.2	88.4	90.1	92.2	94.2	94.8	96.
GE 200	67.4	69.1	72.6	75.5	80.1	81.3	85.3	88.5	90.3	92.6	94.7	95.4	97.
GE 100	67.4	69.1	72.6	75.5	80.1	81.3	85.3	88.6	90.4	92.7	94.9	95.5	97.
GE 000	67.4	69.1	72.6	75.5	80.1	81.3	85.3	88.6	90.4	92.7	94.9	95.5	97.

TOTAL NUMBER OF OBSERVATIONS 6792

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 — MONTH: FEB HOURS: ALL

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	33.7	33.7	34.0	34.0	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.3
	38.5	38.5	38.8	38.8	38.9	39.0	39.1	39.1	39.1	39.1	39.1	39.1
	38.9	38.9	39.1	39.2	39.3	39.4	39.4	39.4	39.5	39.5	39.5	39.5
	39.0	39.0	39.3	39.4	39.4	39.5	39.6	39.6	39.6	39.6	39.6	39.6
	40.3	40.3	40.5	40.6	40.7	40.8	40.9	40.9	40.9	40.9	40.9	40.9
	41.3	41.3	41.6	41.7	41.7	41.8	41.9	41.9	41.9	41.9	41.9	41.9
	43.3	43.3	43.5	43.6	43.7	43.8	43.9	43.9	43.9	43.9	43.9	43.9
	43.7	43.8	44.0	44.1	44.2	44.3	44.4	44.4	44.4	44.4	44.4	44.4
	46.0	46.1	46.3	46.4	46.5	46.6	46.7	46.7	46.7	46.7	46.7	46.7
	47.1	47.2	47.5	47.6	47.7	47.8	47.9	47.9	47.9	47.9	47.9	47.9
	47.7	47.7	48.0	48.1	48.2	48.4	48.4	48.4	48.5	48.5	48.5	48.5
	49.2	49.4	49.7	49.8	50.0	50.1	50.2	50.2	50.2	50.2	50.2	50.2
	49.7	49.8	50.1	50.3	50.4	50.5	50.6	50.6	50.6	50.6	50.6	50.6
	51.8	52.1	52.5	52.8	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.3
	53.0	53.3	53.8	54.0	54.2	54.4	54.5	54.5	54.5	54.5	54.5	54.5
	56.7	57.0	57.6	57.9	58.0	58.2	58.3	58.3	58.4	58.4	58.4	58.4
	60.3	60.7	61.5	62.0	62.2	62.4	62.5	62.5	62.6	62.6	62.6	62.6
	64.9	65.5	66.9	67.7	67.9	68.3	68.6	68.6	69.7	68.7	68.7	68.8
	66.8	67.4	69.0	69.9	70.2	70.6	70.8	70.9	71.0	71.0	71.0	71.0
	70.8	71.5	73.6	75.0	75.5	76.3	76.7	76.8	76.9	76.9	77.0	77.0
	73.5	74.4	76.8	78.3	79.0	79.9	80.5	80.7	80.9	80.9	81.0	81.0
	75.6	76.5	79.3	81.0	81.8	82.8	83.7	83.9	84.3	84.4	84.5	84.5
	76.8	77.7	80.7	82.7	83.4	84.5	85.4	85.6	86.1	86.2	86.2	86.2
	77.8	78.8	81.7	84.0	84.9	86.1	87.0	87.3	87.9	88.0	88.1	88.1
	78.4	79.4	82.5	84.9	85.9	87.2	88.4	88.7	89.4	89.5	89.7	89.9
	78.8	79.9	83.0	85.7	86.8	88.1	89.4	89.7	90.6	90.7	91.0	91.2
	79.4	80.6	84.0	86.8	88.1	89.8	91.3	91.7	92.8	93.0	93.3	93.6
	79.9	81.1	84.8	87.9	89.3	91.2	92.9	93.3	94.6	94.8	95.4	95.7
	80.1	81.3	85.2	88.4	90.1	92.2	94.2	94.8	96.3	96.5	97.2	97.6
	80.1	81.3	85.3	88.5	90.3	92.6	94.7	95.4	97.0	97.5	98.4	99.2
	80.1	81.3	85.3	88.6	90.4	92.7	94.9	95.5	97.2	97.7	98.8	99.7
	80.1	81.3	85.3	88.6	90.4	92.7	94.9	95.5	97.2	97.7	98.9	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIB
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: MAR HOURS: 00-0

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/
NO CEIL	39.0	39.2	39.5	39.6	40.0	40.0	40.1	40.2	40.2	40.2	40.2	40.2	40.
GE 20000	42.2	42.4	42.6	42.7	43.2	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.
GE 18000	42.5	42.7	42.9	43.0	43.5	43.5	43.7	43.8	43.8	43.8	43.8	43.8	43.
GE 16000	42.5	42.7	42.9	43.0	43.5	43.5	43.7	43.8	43.8	43.8	43.8	43.8	43.
GE 14000	42.5	42.7	42.9	43.0	43.5	43.5	43.7	43.8	43.8	43.8	43.8	43.8	43.
GE 12000	42.6	42.8	43.0	43.1	43.7	43.7	43.8	43.9	43.9	43.9	43.9	43.9	44.
GE 10000	43.8	44.0	44.2	44.4	45.2	45.2	45.3	45.4	45.4	45.4	45.4	45.4	45.
GE 9000	44.6	44.8	45.1	45.3	46.0	46.0	46.1	46.2	46.2	46.2	46.2	46.2	46.
GE 8000	46.3	46.6	46.8	47.0	48.0	48.0	48.1	48.2	48.2	48.2	48.2	48.2	48.
GE 7000	47.0	47.2	47.5	47.7	48.8	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.
GE 6000	47.1	47.3	47.6	47.8	48.9	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.
GE 5000	48.3	48.5	48.8	49.0	50.3	50.3	50.4	50.5	50.5	50.5	50.5	50.5	50.
GE 4500	49.4	49.7	50.0	50.2	51.5	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.
GE 4000	52.5	52.8	53.1	53.3	54.6	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.
GE 3500	53.5	53.9	54.2	54.4	55.7	55.7	55.8	55.9	55.9	55.9	55.9	55.9	56.
GE 3000	56.5	56.8	57.2	57.6	59.0	59.0	59.4	59.5	59.5	59.5	59.5	59.5	59.
GE 2500	59.4	59.7	60.1	60.6	62.2	62.2	62.5	62.6	62.6	62.6	62.6	62.6	62.
GE 2000	63.5	63.9	64.7	65.7	67.7	67.7	68.5	68.9	69.1	69.1	69.1	69.1	69.
GE 1800	64.4	64.8	65.7	66.7	68.7	68.8	69.8	70.2	70.5	70.5	70.5	70.5	70.
GE 1500	66.2	66.7	67.5	68.5	70.9	70.9	72.6	73.0	73.4	73.4	73.4	73.4	73.
GE 1200	67.1	67.5	68.4	69.6	72.4	72.6	74.6	75.2	75.6	75.7	75.7	75.8	76.
GE 1000	67.5	68.0	68.9	70.2	73.4	73.7	75.7	76.2	76.9	77.2	77.3	77.4	77.
GE 900	68.1	68.5	69.6	71.1	74.6	74.8	77.0	77.5	78.4	78.7	78.8	78.9	79.
GE 800	68.5	68.9	70.0	71.5	75.3	75.5	77.6	78.4	79.5	80.1	80.2	80.3	80.
GE 700	68.7	69.2	70.4	72.2	76.1	76.3	78.7	79.8	81.1	81.8	82.0	82.2	82.
GE 600	69.1	69.7	71.2	73.2	77.5	78.0	81.0	82.5	84.1	85.1	85.6	85.7	86.
GE 500	69.7	70.3	72.0	74.3	78.9	79.5	82.5	84.9	86.6	87.8	88.5	88.6	89.
GE 400	69.9	70.5	72.3	74.7	79.8	80.4	84.0	86.6	88.2	89.6	90.2	90.3	91.
GE 300	70.1	70.8	72.5	75.1	80.4	81.4	85.4	88.4	90.1	92.0	93.4	93.5	94.
GE 200	70.1	70.8	72.5	75.1	80.4	81.4	85.9	89.4	91.2	93.4	95.1	95.2	96.
GE 100	70.1	70.8	72.5	75.1	80.4	81.4	85.9	89.4	91.2	93.4	95.1	95.2	96.
GE 000	70.1	70.8	72.5	75.1	80.4	81.4	85.9	89.4	91.2	93.4	95.1	95.2	96.

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: MAR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
[illegible]	40.0	40.0	40.1	40.2	40.2	40.2	40.2	40.2	40.3	40.3	40.3	40.3
[illegible].7	43.2	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.5	43.5	43.5	43.5
[illegible].0	43.5	43.5	43.7	43.8	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9
[illegible].0	43.5	43.5	43.7	43.8	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9
[illegible].2	43.5	43.5	43.7	43.8	43.8	43.8	43.8	43.8	43.9	43.9	43.9	43.9
[illegible].1	43.7	43.7	43.8	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.0	44.0
[illegible].4	45.2	45.2	45.3	45.4	45.4	45.4	45.4	45.4	45.5	45.5	45.5	45.5
[illegible].3	46.0	46.0	46.1	46.2	46.2	46.2	46.2	46.2	46.3	46.3	46.3	46.3
[illegible].0	48.0	48.0	48.1	48.2	48.2	48.2	48.2	48.2	48.3	48.3	48.3	48.3
[illegible].7	48.8	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.1
[illegible].	48.9	48.9	49.0	49.1	49.1	49.1	49.1	49.1	49.2	49.2	49.2	49.2
[illegible].3	50.3	50.3	50.4	50.5	50.5	50.5	50.5	50.5	50.6	50.6	50.6	50.6
[illegible].5	51.5	51.5	51.6	51.7	51.7	51.7	51.7	51.7	51.8	51.8	51.8	51.8
[illegible].3	54.5	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9
[illegible].4	55.7	55.7	55.8	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0
[illegible].3	59.0	59.0	59.4	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6
[illegible].5	62.2	62.2	62.3	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7
[illegible].2	67.7	67.7	68.5	68.9	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2
[illegible].7	68.7	68.8	69.8	70.2	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6
[illegible].3	70.9	70.9	72.6	73.0	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.5
[illegible].3	72.4	72.6	74.6	75.2	75.6	75.7	75.7	75.8	76.1	76.1	76.1	76.1
[illegible].2	73.4	73.7	75.7	76.2	76.9	77.2	77.3	77.4	77.7	77.7	77.7	77.7
[illegible].1	74.6	74.8	77.0	77.5	78.4	78.7	78.8	78.9	79.2	79.2	79.2	79.2
[illegible].2	75.3	75.5	77.6	78.4	79.5	80.1	80.2	80.3	80.6	80.6	80.6	80.6
[illegible].3	76.1	76.3	78.7	79.9	81.1	81.8	82.0	82.2	82.5	82.5	82.5	82.5
[illegible].1	77.5	78.0	81.0	82.5	84.1	85.1	85.6	85.7	86.3	86.3	86.3	87.0
[illegible].3	78.9	79.5	82.6	84.9	86.6	87.8	88.5	88.6	89.2	89.2	89.2	89.9
[illegible].7	79.3	80.4	84.0	86.6	88.2	89.6	90.2	90.3	91.0	91.3	91.3	91.9
.1	80.4	81.4	85.4	88.4	90.1	92.0	93.4	93.5	94.2	94.7	94.7	95.4
.1	80.4	81.4	85.9	89.4	91.2	93.4	95.1	95.2	96.3	97.1	97.7	98.5
.1	80.4	81.4	85.9	89.4	91.2	93.4	95.1	95.2	96.3	97.2	97.8	99.4
.1	80.4	81.4	85.9	89.4	91.2	93.4	95.1	95.2	96.3	97.2	97.8	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	34.9	35.1	35.2	35.4	35.7	35.7	35.7	35.9	35.9	35.9	36.0	36.0	36.0
GE 20000	37.6	37.7	37.8	38.1	38.7	38.7	38.7	38.9	38.9	38.9	39.0	39.0	39.0
GE 18000	37.6	37.7	37.8	38.1	38.7	38.7	38.7	38.9	38.9	38.9	39.0	39.0	39.0
GE 16000	37.8	38.0	38.1	38.3	38.9	38.9	38.9	39.1	39.1	39.1	39.2	39.2	39.2
GE 14000	37.8	38.0	38.1	38.3	38.9	38.9	38.9	39.1	39.1	39.1	39.2	39.2	39.2
GE 12000	38.5	38.6	38.7	38.9	39.6	39.6	39.6	39.8	39.8	39.8	39.9	39.9	39.9
GE 10000	39.8	39.9	40.0	40.2	41.0	41.0	41.0	41.2	41.2	41.2	41.3	41.3	41.3
GE 9000	40.1	40.2	40.3	40.5	41.3	41.3	41.3	41.5	41.5	41.5	41.6	41.6	41.6
GE 8000	41.3	41.4	41.5	41.7	42.5	42.5	42.5	42.7	42.7	42.7	42.8	42.8	42.8
GE 7000	43.0	43.1	43.2	43.4	44.3	44.3	44.3	44.5	44.5	44.5	44.6	44.6	44.6
GE 6000	43.7	43.8	43.9	44.1	44.9	44.9	44.9	45.2	45.2	45.2	45.3	45.3	45.3
GE 5000	45.3	45.4	45.5	45.8	46.9	46.9	47.1	47.3	47.3	47.3	47.4	47.4	47.4
GE 4500	45.8	45.9	46.0	46.5	47.6	47.6	47.8	48.1	48.1	48.1	48.2	48.2	48.2
GE 4000	48.7	48.9	49.1	49.4	51.1	51.1	51.3	51.5	51.5	51.5	51.6	51.6	51.6
GE 3500	49.7	50.0	50.3	50.8	52.3	52.3	52.5	52.7	52.7	52.7	52.8	52.8	52.8
GE 3000	51.9	52.3	52.7	53.1	54.8	54.8	55.1	55.3	55.3	55.3	55.4	55.4	55.4
GE 2500	54.3	55.4	55.9	56.3	58.5	58.6	58.9	59.4	59.4	59.4	59.5	59.5	59.5
GE 2000	58.7	59.2	59.9	60.5	63.4	63.8	64.1	64.9	65.2	65.4	65.5	65.5	65.5
GE 1800	59.7	60.2	61.1	61.7	64.6	64.9	65.3	66.1	66.3	66.6	66.7	66.7	66.7
GE 1500	62.4	63.3	64.4	65.1	68.7	69.0	69.5	70.4	70.6	71.0	71.1	71.1	71.1
GE 1200	64.4	65.1	66.3	67.1	70.8	71.1	71.7	72.7	72.9	73.3	73.8	73.8	73.8
GE 1000	65.5	66.2	67.6	68.4	72.2	72.6	73.4	74.5	75.2	75.6	76.2	76.2	76.2
GE 900	66.2	67.0	68.5	69.2	73.4	73.9	75.2	76.6	77.2	77.8	78.6	78.6	78.6
GE 800	66.9	67.7	69.2	70.0	74.2	74.6	75.9	77.5	78.7	79.4	80.1	80.1	80.1
GE 700	67.3	68.2	69.8	70.7	75.3	75.8	77.2	79.0	80.2	81.2	81.9	81.9	81.9
GE 600	68.0	68.8	70.4	71.4	76.2	76.8	78.5	80.5	82.0	83.0	84.1	84.1	84.4
GE 500	68.3	69.1	70.8	71.9	76.9	77.8	79.8	82.3	83.9	84.9	86.7	86.7	87.1
GE 400	68.6	69.6	71.3	72.5	77.5	78.8	81.1	84.0	85.6	86.7	88.9	89.0	89.6
GE 300	68.9	69.9	71.8	73.1	78.2	80.0	82.9	86.6	88.6	89.9	92.4	92.5	93.0
GE 200	68.9	69.9	71.8	73.1	78.4	80.2	83.3	87.4	89.7	91.2	94.1	94.6	95.9
GE 100	69.0	70.0	72.0	73.3	78.6	80.4	83.5	87.6	89.9	91.4	94.3	94.8	96.3
GE 000	69.0	70.0	72.0	73.3	78.6	80.4	83.5	87.6	89.9	91.4	94.3	94.8	96.3

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
+ 5 MONTH: MAR HOURS: 03-05

CEILING	VISIBILITY IN STATUTE MILES										
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
[illegible]	35.7	35.7	35.9	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0
[illegible]	36.7	38.7	38.9	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0
[illegible]	38.7	38.7	38.9	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0
[illegible]	38.9	38.9	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2
[illegible]	38.9	38.9	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2
[illegible]	39.6	39.6	39.8	39.8	39.9	39.9	39.9	39.9	39.9	39.9	39.9
[illegible]	41.0	41.0	41.2	41.2	41.2	41.3	41.3	41.3	41.3	41.3	41.3
41.3	41.3	41.3	41.5	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6
[illegible]	42.5	42.5	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8
[illegible]	44.3	44.3	44.5	44.5	44.5	44.6	44.6	44.6	44.6	44.6	44.6
[illegible]	44.9	44.9	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3
[illegible]	46.9	47.1	47.3	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4
47.6	47.6	47.8	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2
[illegible]	51.1	51.3	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6
[illegible]	52.3	52.5	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8
[illegible]	54.8	55.1	55.3	55.3	55.3	55.4	55.4	55.4	55.4	55.4	55.4
[illegible]	58.6	58.9	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5	59.5
[illegible]	63.3	64.1	64.9	65.2	65.4	65.5	65.5	65.5	65.5	65.5	65.5
[illegible]	64.9	65.3	66.1	66.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7
[illegible]	69.0	69.5	70.4	70.6	71.0	71.1	71.1	71.1	71.1	71.1	71.1
[illegible]	71.1	71.7	72.7	72.9	73.3	73.8	73.8	73.8	74.1	74.1	74.1
[illegible]	72.6	73.4	74.5	75.2	75.6	76.2	76.2	76.2	76.6	76.6	76.6
73.4	73.9	75.2	76.6	77.2	77.8	78.6	78.6	78.6	78.9	78.9	78.9
74.2	74.6	75.9	77.5	78.7	79.4	80.1	80.1	80.1	80.4	80.4	80.4
[illegible]	75.9	77.2	79.0	80.2	81.2	81.9	81.9	81.9	82.3	82.3	82.3
[illegible]	76.8	78.5	80.5	82.0	83.0	84.1	84.1	84.4	84.7	84.7	85.4
[illegible]	77.8	79.8	82.3	83.9	84.9	86.7	86.7	87.1	87.4	87.4	88.1
77.5	78.8	81.1	84.0	85.6	86.7	88.9	89.0	89.6	89.9	89.9	90.8
[illegible]	80.0	82.9	86.6	88.6	89.9	92.4	92.5	93.0	93.3	93.3	94.2
[illegible]	80.2	83.3	87.4	89.7	91.2	94.1	94.6	95.9	96.5	96.9	97.8
[illegible]	80.4	83.5	87.6	89.9	91.4	94.3	94.8	96.3	97.1	97.8	99.7
[illegible]	80.4	83.5	87.6	89.9	91.4	94.3	94.8	96.3	97.1	98.1	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 — MONTH: MAR — HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	33.5	33.8	34.1	34.3	34.5	34.6	34.7	35.3	35.4	35.4	35.5	35.5	35.6
GE 20000	36.2	36.5	37.0	37.2	37.5	37.6	37.8	38.4	38.5	38.5	38.6	38.6	38.7
GE 18000	36.3	36.6	37.1	37.3	37.6	37.7	38.0	38.5	38.6	38.6	38.7	38.7	38.8
GE 16000	36.5	36.7	37.2	37.4	37.7	37.8	38.1	38.6	38.7	38.7	38.8	38.8	38.9
GE 14000	36.9	37.1	37.6	37.8	38.2	38.3	38.5	39.0	39.1	39.1	39.2	39.2	39.4
GE 12000	38.2	38.4	38.9	39.2	39.6	39.7	40.0	40.5	40.6	40.6	40.8	40.8	40.9
GE 10000	39.8	40.0	40.5	40.9	41.2	41.3	41.6	42.2	42.3	42.3	42.4	42.4	42.5
GE 9000	40.0	40.2	40.8	41.1	41.4	41.5	41.8	42.4	42.5	42.5	42.6	42.6	42.7
GE 8000	41.8	42.0	42.6	42.9	43.2	43.3	43.7	44.2	44.3	44.3	44.4	44.4	44.5
GE 7000	43.1	43.3	43.9	44.2	44.5	44.6	44.9	45.5	45.6	45.6	45.7	45.7	45.8
GE 6000	44.1	44.3	45.1	45.4	45.7	45.8	46.1	46.7	46.8	46.8	46.9	46.9	47.0
GE 5000	46.0	46.3	47.2	47.5	47.8	48.0	48.4	48.9	49.0	49.0	49.1	49.1	49.2
GE 4500	46.2	46.5	47.6	48.0	48.5	48.6	49.1	49.7	49.8	49.8	49.9	49.9	50.0
GE 4000	47.6	48.2	49.0	49.4	50.0	50.1	50.6	51.3	51.4	51.5	51.6	51.6	51.7
GE 3500	48.5	49.1	50.0	50.3	51.0	51.2	51.7	52.4	52.5	52.6	52.7	52.7	52.8
GE 3000	50.0	50.6	51.5	51.8	53.0	53.3	54.0	54.6	54.7	54.8	54.9	54.9	55.1
GE 2500	51.4	52.2	53.2	53.7	55.1	55.4	56.1	56.8	57.0	57.1	57.2	57.2	57.3
GE 2000	55.1	55.9	57.3	57.8	59.7	60.1	61.2	61.9	62.5	62.7	63.0	63.0	63.1
GE 1800	56.7	57.5	58.9	59.5	61.3	61.7	62.9	63.7	64.2	64.4	64.7	64.7	64.8
GE 1500	59.8	60.6	62.2	62.8	65.5	65.9	67.6	68.5	69.0	69.4	69.9	69.9	70.0
GE 1200	62.0	62.9	64.6	65.3	68.3	68.8	70.6	71.6	72.4	72.7	73.4	73.4	74.0
GE 1000	63.1	64.1	65.8	66.5	69.6	70.2	72.5	73.5	74.4	75.1	75.8	75.8	76.3
GE 900	63.8	64.7	66.7	67.4	70.8	71.4	73.9	74.9	75.8	76.6	77.4	77.4	78.0
GE 800	64.1	65.1	67.1	67.8	71.5	72.3	74.9	76.3	77.4	78.6	79.8	79.8	80.3
GE 700	64.7	65.7	67.7	68.5	72.3	73.0	76.2	78.0	79.1	80.4	81.7	81.7	82.4
GE 600	65.1	66.0	68.3	69.0	72.9	73.8	77.2	79.2	80.5	82.2	83.9	83.9	85.2
GE 500	65.6	66.7	69.0	69.8	73.9	74.7	78.5	80.6	82.5	84.5	86.8	86.9	88.3
GE 400	65.8	66.9	69.2	70.0	74.1	75.1	79.0	81.6	83.3	85.4	88.0	88.3	89.9
GE 300	65.8	67.0	69.5	70.2	74.4	75.4	79.9	82.9	85.6	88.0	90.9	91.2	93.3
GE 200	65.8	67.0	69.5	70.2	74.7	75.8	80.4	84.4	87.3	90.3	93.4	93.8	96.1
GE 100	65.8	67.0	69.5	70.2	74.7	75.8	80.4	84.4	87.3	90.3	93.4	93.8	96.1
GE 000	65.8	67.0	69.5	70.2	74.7	75.8	80.4	84.4	87.3	90.3	93.4	93.8	96.1

TOTAL NUMBER OF OBSERVATIONS 930

RCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: MAR HOURS: 06-08

	VISIBILITY IN STATUTE MILES										
	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
.5	34.6	34.7	35.3	35.4	35.4	35.5	35.5	35.6	35.6	35.6	35.6
.5	37.6	37.8	38.4	38.5	38.5	38.6	38.6	38.7	38.7	38.7	38.7
.6	37.7	38.0	38.5	38.6	38.6	38.7	38.7	38.8	38.8	38.8	38.8
.7	37.8	38.1	38.6	38.7	38.7	38.8	38.8	38.9	38.9	38.9	38.9
.2	38.3	38.5	39.0	39.1	39.1	39.2	39.2	39.4	39.4	39.4	39.4
.5	39.7	40.0	40.5	40.6	40.6	40.8	40.8	40.9	40.9	40.9	40.9
.2	41.3	41.6	42.2	42.3	42.3	42.4	42.4	42.5	42.5	42.5	42.5
.4	41.5	41.8	42.4	42.5	42.5	42.6	42.6	42.7	42.7	42.7	42.7
.2	43.3	43.7	44.2	44.3	44.3	44.4	44.4	44.5	44.5	44.5	44.5
.5	44.6	44.9	45.5	45.6	45.6	45.7	45.7	45.8	45.8	45.8	45.8
.7	45.8	46.1	46.7	46.8	46.8	46.9	46.9	47.0	47.0	47.0	47.0
.1	48.0	48.4	48.9	49.0	49.0	49.1	49.1	49.2	49.2	49.2	49.2
.5	48.6	49.1	49.7	49.8	49.8	49.9	49.9	50.0	50.0	50.0	50.0
.2	50.1	50.6	51.3	51.4	51.5	51.6	51.6	51.7	51.7	51.7	51.7
.0	51.2	51.7	52.4	52.5	52.6	52.7	52.7	52.8	52.8	52.8	52.8
.0	53.3	54.0	54.6	54.7	54.8	54.9	54.9	55.1	55.1	55.1	55.1
.1	55.4	56.1	56.8	57.0	57.1	57.2	57.2	57.3	57.3	57.3	57.3
.7	60.1	61.2	61.9	62.5	62.7	63.0	63.0	63.1	63.1	63.1	63.1
.3	61.7	62.9	63.7	64.2	64.4	64.7	64.7	64.8	64.8	64.8	64.8
.1	65.9	67.6	68.5	69.0	69.4	69.9	69.9	70.0	70.0	70.0	70.0
.3	68.8	70.6	71.6	72.4	72.7	73.4	73.4	74.0	74.1	74.1	74.1
.5	70.2	72.5	73.5	74.4	75.1	75.8	75.8	76.3	76.5	76.5	76.5
.3	71.4	73.9	74.9	75.8	76.6	77.4	77.4	78.0	78.1	78.1	78.1
.7	72.3	74.9	76.3	77.4	78.6	79.8	79.8	80.3	80.4	80.4	80.6
.1	73.0	75.2	78.0	79.1	80.4	81.7	81.7	82.4	82.5	82.5	82.7
.9	73.3	77.2	79.2	80.5	82.2	83.9	83.9	85.2	85.3	85.3	85.7
.0	74.7	78.6	80.8	82.5	84.5	86.8	86.9	88.3	88.4	88.5	88.9
.1	75.1	79.0	81.6	83.3	85.4	88.0	88.3	89.9	90.2	90.3	91.1
.4	75.4	79.9	82.9	85.6	88.0	90.9	91.2	93.3	93.8	93.9	94.7
.7	75.8	80.4	84.4	87.3	90.3	93.4	93.8	96.1	97.0	97.4	98.4
.7	75.8	80.4	84.4	87.3	90.3	93.4	93.8	96.1	97.3	98.2	99.9
.7	75.8	80.4	84.4	87.3	90.3	93.4	93.8	96.1	97.3	98.2	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AL
LST TO UTC: + 5 — MONTH: MAR — HOURS: C

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	31.3	31.8	32.3	32.5	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1
GE 20000	34.7	35.3	35.9	36.1	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8
GE 18000	35.5	36.3	37.0	37.2	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8
GE 16000	36.0	36.6	37.2	37.4	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 14000	36.5	37.0	37.6	37.8	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5
GE 12000	37.6	38.2	38.8	39.0	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 10000	40.0	40.6	41.4	41.6	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 9000	40.0	40.6	41.4	41.6	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4
GE 8000	42.6	43.2	44.0	44.3	44.9	45.1	45.2	45.2	45.2	45.2	45.2	45.2
GE 7000	44.2	44.8	45.9	46.2	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1
GE 6000	44.9	45.6	46.6	47.0	47.6	47.8	48.0	48.0	48.0	48.0	48.0	48.0
GE 5000	46.5	47.1	48.1	48.6	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.7
GE 4500	46.7	47.4	48.4	48.9	49.8	50.0	50.1	50.1	50.1	50.1	50.1	50.1
GE 4000	47.2	48.1	49.1	49.8	50.9	51.1	51.2	51.3	51.3	51.3	51.3	51.3
GE 3500	47.7	48.6	49.8	50.4	51.5	51.7	51.8	51.9	51.9	51.9	51.9	51.9
GE 3000	48.6	49.6	50.6	51.3	52.6	52.8	53.0	53.2	53.2	53.3	53.4	53.4
GE 2500	50.0	50.9	52.3	53.0	54.4	54.7	55.2	55.5	55.5	55.6	55.8	55.8
GE 2000	53.7	54.6	56.1	57.2	58.6	58.9	59.6	60.1	60.2	60.4	60.6	60.6
GE 1800	55.5	56.6	58.2	59.2	60.8	61.2	61.9	62.5	62.6	62.9	63.1	63.1
GE 1500	58.2	59.2	61.1	62.4	64.1	64.7	65.8	66.7	66.8	67.2	67.5	67.5
GE 1200	61.0	62.2	64.0	65.4	67.1	68.0	69.2	70.4	70.8	71.7	72.6	72.7
GE 1000	61.9	63.2	65.1	66.5	68.4	69.2	70.8	72.2	72.7	73.9	75.1	75.2
GE 900	62.5	64.0	65.9	67.4	69.4	70.4	71.9	73.7	74.3	75.5	77.0	77.1
GE 800	63.0	64.5	66.9	68.5	70.8	72.2	74.1	76.0	76.9	78.2	80.1	80.3
GE 700	63.4	64.9	67.3	68.9	71.3	72.7	74.6	76.6	77.5	79.2	81.4	81.8
GE 600	63.8	65.3	67.6	69.7	72.4	74.3	76.6	78.7	79.9	81.8	84.6	85.1
GE 500	64.0	65.5	68.2	70.0	72.7	74.6	77.6	80.9	82.5	85.2	88.1	88.7
GE 400	64.0	65.5	68.2	70.0	72.8	74.7	78.0	81.7	83.3	86.2	89.6	90.4
GE 300	64.0	65.5	68.3	70.1	73.0	75.1	78.4	82.3	84.4	87.7	91.4	92.4
GE 200	64.0	65.5	68.3	70.1	73.0	75.1	78.4	82.4	84.6	88.4	92.4	93.5
GE 100	64.0	65.5	68.3	70.1	73.0	75.1	78.4	82.4	84.6	88.4	92.6	93.8
GE 000	64.0	65.5	68.3	70.1	73.0	75.1	78.4	82.4	84.6	88.4	92.6	93.8

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: MAR HOURS: 09-11

CEILING	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1	33.1
	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
	44.9	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
	46.9	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
	47.6	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
	49.4	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
	49.8	50.0	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
	50.9	51.1	51.2	51.3	51.3	51.3	51.3	51.3	51.5	51.5	51.5	51.5
	51.5	51.7	51.8	51.9	51.9	51.9	51.9	51.9	52.2	52.3	52.3	52.3
	52.6	52.8	53.0	53.2	53.2	53.3	53.4	53.4	53.7	53.8	53.8	53.8
	54.4	54.7	55.2	55.5	55.5	55.6	55.8	55.8	56.0	56.1	56.1	56.1
	58.6	58.9	59.6	60.1	60.2	60.4	60.6	60.6	61.0	61.1	61.1	61.1
	60.8	61.2	61.9	62.5	62.6	62.9	63.1	63.1	63.5	63.7	63.7	63.7
	64.1	64.7	65.8	66.7	66.8	67.2	67.5	67.5	68.0	68.1	68.1	68.1
	67.1	68.0	69.2	70.4	70.8	71.7	72.6	72.7	73.3	73.8	74.0	74.0
	68.4	69.2	70.8	72.2	72.7	73.9	75.1	75.2	75.8	76.2	76.5	76.5
	69.4	70.4	71.9	73.7	74.3	75.5	77.0	77.1	77.7	78.2	78.4	78.4
	70.8	72.2	74.1	76.0	76.9	78.2	80.1	80.3	81.1	81.5	81.8	82.2
	71.3	72.7	74.6	76.6	77.5	79.2	81.4	81.8	82.7	83.1	83.4	83.8
	72.4	74.3	76.6	78.7	79.9	81.8	84.6	85.1	85.9	86.3	87.2	87.5
	72.7	74.6	77.6	80.9	82.5	85.2	88.1	88.7	89.7	90.1	91.0	91.4
	72.8	74.7	78.0	81.7	83.3	86.2	89.6	90.4	91.4	92.6	93.5	94.1
	73.0	75.1	78.4	82.3	84.4	87.7	91.4	92.4	93.4	94.6	96.0	96.8
	73.0	75.1	78.4	82.4	84.6	88.4	92.4	93.5	94.6	96.2	97.7	98.8
	73.0	75.1	78.4	82.4	84.6	88.4	92.6	93.8	95.1	96.7	98.3	99.7
	73.0	75.1	78.4	82.4	84.6	88.4	92.6	93.8	95.1	96.7	98.3	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBIL
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 — MONTH: MAR — HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	36.1	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
GE 20000	40.6	41.1	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
GE 18000	41.5	41.9	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 16000	41.7	42.2	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 14000	42.5	42.9	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 12000	43.0	43.4	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
GE 10000	45.1	45.5	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
GE 9000	45.3	45.7	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 8000	47.5	48.0	48.4	48.6	48.8	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9
GE 7000	48.5	48.9	49.4	49.6	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9
GE 6000	48.7	49.1	49.6	49.8	50.1	50.1	50.1	50.1	50.2	50.2	50.2	50.2	50.2
GE 5000	48.9	49.5	49.9	50.1	50.4	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5
GE 4500	49.5	50.0	50.4	50.6	51.0	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1
GE 4000	49.9	50.4	50.9	51.1	51.5	51.5	51.6	51.6	51.7	51.8	51.9	51.9	52.0
GE 3500	51.1	51.6	52.0	52.3	52.9	52.9	53.1	53.1	53.2	53.3	53.4	53.4	53.5
GE 3000	52.3	52.8	53.3	53.5	54.2	54.2	54.5	54.5	54.6	54.7	54.8	54.8	54.9
GE 2500	55.1	55.6	56.2	56.6	57.3	57.3	57.8	58.1	58.2	58.4	58.5	58.5	58.6
GE 2000	58.7	59.2	60.5	61.2	62.4	62.6	63.5	63.8	64.0	64.2	64.4	64.4	64.5
GE 1800	60.0	60.6	62.0	62.7	63.9	64.1	65.4	65.6	66.0	66.2	66.6	66.6	66.7
GE 1500	63.2	64.2	65.9	66.8	68.1	68.3	69.6	69.8	70.4	70.8	71.2	71.2	71.4
GE 1200	65.1	66.3	68.7	70.1	71.5	71.8	73.2	73.4	74.3	74.7	75.4	75.6	75.8
GE 1000	65.7	67.1	69.8	71.2	72.7	73.4	75.1	75.5	76.3	76.9	78.0	78.2	78.7
GE 900	66.7	68.1	71.3	72.9	74.5	75.4	77.3	77.7	78.7	79.2	80.4	80.6	81.4
GE 800	67.0	68.4	71.8	73.4	75.3	76.1	78.4	78.8	80.0	80.5	82.3	82.6	83.3
GE 700	67.4	68.8	72.4	74.4	76.5	77.4	79.8	80.4	81.6	82.4	84.1	84.4	85.3
GE 600	67.6	69.0	72.6	74.5	76.8	78.0	80.3	81.4	82.8	83.7	85.6	85.9	87.2
GE 500	67.8	69.5	73.2	75.3	77.6	78.8	81.6	83.2	84.9	86.1	88.2	88.5	89.9
GE 400	67.8	69.7	73.4	75.5	78.1	79.2	82.3	84.1	85.8	87.2	89.9	90.4	91.9
GE 300	67.8	69.7	73.5	75.6	78.4	79.7	82.8	84.7	87.0	88.7	91.4	92.0	93.7
GE 200	67.8	69.7	73.5	75.6	78.4	79.7	82.9	85.3	87.8	89.8	92.8	93.4	95.3
GE 100	67.8	69.7	73.5	75.6	78.4	79.7	82.9	85.3	87.8	89.8	92.9	93.5	95.6
GE 000	67.8	69.7	73.5	75.6	78.4	79.7	82.9	85.3	87.8	89.8	92.9	93.5	95.6

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 84
TC: + 5 — MONTH: MAR HOURS: 12-14

CEILING GE	VISIBILITY IN STATUTE MILES GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	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	42.7
	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
	49.8	49.8	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
	50.1	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
	50.4	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
	51.5	51.5	51.6	51.6	51.7	51.8	51.9	51.9	52.0	52.0	52.0	52.0
	52.9	52.9	53.1	53.1	53.2	53.3	53.4	53.4	53.5	53.5	53.5	53.5
	54.2	54.2	54.5	54.5	54.6	54.7	54.8	54.8	54.9	54.9	54.9	54.9
	57.3	57.3	57.8	58.1	58.2	58.4	58.5	58.5	58.6	58.6	58.6	58.6
	62.4	62.6	63.5	63.8	64.0	64.2	64.4	64.4	64.5	64.6	64.6	64.6
	63.9	64.1	65.4	65.6	66.0	66.2	66.6	66.6	66.7	66.8	66.8	66.8
	68.1	68.3	69.6	69.8	70.4	70.8	71.2	71.2	71.4	71.8	71.8	71.8
	71.5	71.8	73.2	73.4	74.3	74.7	75.4	75.6	75.8	76.3	76.3	76.3
	72.7	73.4	75.1	75.5	76.3	76.9	78.0	78.2	78.7	79.4	79.4	79.4
	74.5	75.4	77.3	77.7	78.7	79.2	80.4	80.6	81.4	82.0	82.2	82.2
	75.3	76.1	78.4	78.8	80.0	80.5	82.3	82.6	83.3	84.0	84.2	84.3
	76.5	77.4	79.8	80.4	81.6	82.4	84.1	84.4	85.3	86.0	86.2	86.6
	76.8	78.0	80.3	81.4	82.8	83.7	85.6	85.9	87.2	88.1	88.5	88.8
	77.6	78.8	81.6	83.2	84.9	86.1	88.2	88.5	89.9	90.9	91.7	92.2
	78.1	79.2	82.3	84.1	85.8	87.2	89.9	90.4	91.9	93.2	94.4	94.8
	78.4	79.7	82.8	84.7	87.0	88.7	91.4	92.0	93.7	95.3	96.6	97.0
	78.4	79.7	82.9	85.3	87.8	89.8	92.8	93.4	95.3	97.0	98.5	99.2
	78.4	79.7	82.9	85.3	87.8	89.8	92.9	93.5	95.6	97.4	98.9	99.7
	78.4	79.7	82.9	85.3	87.8	89.8	92.9	93.5	95.6	97.4	98.9	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD:
LST TO UTC: + 5 MONTH: MAR HOURS

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	38.5	38.6	38.7	38.8	38.8	38.8	38.8	38.9	38.9	38.9	38.9	38.9
GE 20000	43.0	43.1	43.3	43.4	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.5
GE 18000	43.8	44.0	44.4	44.5	44.5	44.5	44.5	44.6	44.6	44.6	44.6	44.6
GE 16000	44.0	44.2	44.6	44.7	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8
GE 14000	44.5	44.7	45.2	45.3	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4
GE 12000	45.3	45.5	45.9	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1
GE 10000	47.2	47.4	48.0	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2
GE 9000	47.7	48.0	48.5	48.6	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7
GE 8000	50.0	50.2	50.8	50.9	50.9	50.9	50.9	51.0	51.1	51.2	51.2	51.2
GE 7000	51.3	51.5	52.0	52.2	52.2	52.2	52.2	52.3	52.4	52.5	52.5	52.5
GE 6000	51.8	52.0	52.6	52.7	52.8	52.9	52.9	53.0	53.1	53.2	53.2	53.2
GE 5000	52.3	52.6	53.1	53.3	53.4	53.5	53.7	53.8	53.9	54.0	54.0	54.0
GE 4500	52.9	53.2	53.8	54.0	54.1	54.2	54.3	54.4	54.6	54.7	54.7	54.7
GE 4000	54.1	54.5	55.3	55.5	55.6	55.7	55.8	56.1	56.3	56.5	56.6	56.6
GE 3500	55.7	56.1	56.9	57.1	57.3	57.4	57.5	57.8	58.2	58.3	58.4	58.4
GE 3000	57.3	57.7	58.5	58.7	58.9	59.0	59.1	59.5	59.8	59.9	60.0	60.0
GE 2500	59.7	60.2	61.3	61.7	62.2	62.3	62.4	62.7	63.1	63.2	63.3	63.3
GE 2000	63.3	63.9	65.5	66.0	66.3	67.1	67.3	67.6	68.3	68.4	68.5	68.5
GE 1800	64.1	64.7	66.6	67.1	67.3	68.2	68.5	68.9	69.6	69.7	69.8	69.8
GE 1500	67.0	67.7	69.9	70.5	71.4	71.9	72.5	73.1	73.8	74.1	74.6	74.6
GE 1200	68.9	70.0	72.5	73.7	75.4	76.0	77.2	78.2	78.9	79.5	80.1	80.1
GE 1000	69.6	70.6	73.3	74.5	76.2	76.9	78.2	79.1	79.9	80.6	81.3	81.3
GE 900	70.0	71.2	73.9	75.1	76.9	77.5	78.9	80.1	81.1	81.8	82.5	82.5
GE 800	70.2	71.4	74.5	75.8	77.7	78.5	80.1	81.5	82.8	83.9	84.6	84.6
GE 700	70.2	71.5	74.9	76.5	78.5	79.2	81.1	82.5	83.9	84.9	85.7	85.7
GE 600	70.5	71.8	75.3	77.1	79.4	80.2	82.2	83.8	85.5	86.7	87.5	87.5
GE 500	71.0	72.5	76.2	78.2	80.9	81.8	84.1	86.1	88.2	89.7	91.0	91.0
GE 400	71.0	72.6	76.5	78.4	81.1	82.3	84.6	86.8	88.8	90.4	91.9	92.7
GE 300	71.0	72.6	76.5	78.4	81.3	82.5	85.1	87.2	89.4	91.0	93.1	94.0
GE 200	71.0	72.6	76.5	78.4	81.3	82.5	85.1	87.2	89.4	91.3	93.7	94.5
GE 100	71.0	72.6	76.5	78.4	81.3	82.5	85.1	87.2	89.4	91.3	93.7	94.5
GE 000	71.0	72.6	76.5	78.4	81.3	82.5	85.1	87.2	89.4	91.3	93.7	94.5

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

TATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
T TO UTC: + 5 — MONTH: MAR HOURS: 15-17

	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
7	38.8	38.9	38.8	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
	43.4	43.4	43.4	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
	44.5	44.5	44.5	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
5	44.7	44.7	44.7	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
	45.3	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
	46.0	46.0	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
	48.6	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
	50.9	50.9	50.9	50.9	51.0	51.1	51.2	51.2	51.2	51.3	51.3	51.3	51.3
	52.2	52.2	52.2	52.2	52.3	52.4	52.5	52.5	52.5	52.6	52.6	52.6	52.6
	52.7	52.8	52.9	52.9	53.0	53.1	53.2	53.2	53.2	53.3	53.3	53.3	53.3
	53.3	53.4	53.5	53.7	53.8	53.9	54.0	54.0	54.0	54.1	54.1	54.1	54.1
	54.0	54.1	54.2	54.3	54.4	54.6	54.7	54.7	54.7	54.8	54.8	54.8	54.8
	55.5	55.6	55.7	55.8	56.1	56.3	56.5	56.6	56.6	56.7	56.7	56.7	56.7
	57.1	57.3	57.4	57.5	57.8	58.2	58.3	58.4	58.4	58.5	58.5	58.5	58.5
	58.7	58.9	59.0	59.1	59.5	59.8	59.9	60.0	60.0	60.1	60.1	60.1	60.1
	61.7	62.2	62.3	62.4	62.7	63.1	63.2	63.3	63.3	63.4	63.7	63.7	63.7
	65.0	65.3	67.1	67.3	67.6	68.3	68.4	68.5	68.5	68.6	68.8	68.8	68.8
	67.1	67.3	68.2	68.5	68.9	69.6	69.7	69.8	69.8	69.9	70.1	70.1	70.1
	70.5	71.4	71.9	72.5	73.1	73.8	74.1	74.6	74.6	74.7	75.3	75.3	75.3
	73.7	75.4	76.0	77.2	78.2	78.9	79.5	80.1	80.1	80.2	80.8	80.8	80.8
	74.3	76.2	76.9	78.2	79.1	79.9	80.6	81.3	81.3	81.5	82.0	82.0	82.0
	75.1	76.9	77.5	78.9	80.1	81.1	81.8	82.5	82.6	82.8	83.4	83.7	83.7
	75.9	77.7	78.5	80.1	81.5	82.8	83.9	84.6	84.7	85.1	85.8	86.1	86.1
	76.5	78.5	79.2	81.1	82.5	83.9	84.9	85.7	85.8	86.1	86.9	87.2	87.3
	77.1	79.4	80.2	82.2	83.8	85.5	86.7	87.5	87.8	88.4	89.1	89.7	89.8
	78.2	80.9	81.8	84.1	86.1	88.2	89.7	91.0	91.3	91.9	92.7	93.4	93.8
	78.4	81.1	82.3	84.6	86.8	88.8	90.4	91.9	92.5	93.4	94.4	95.4	95.7
	78.4	81.3	82.5	85.1	87.2	89.4	91.0	93.1	94.0	95.1	96.2	97.3	97.7
	78.4	81.3	82.5	85.1	87.2	89.4	91.3	93.7	94.5	95.9	97.2	98.7	99.5
	78.4	81.3	82.5	85.1	87.2	89.4	91.3	93.7	94.5	95.9	97.3	98.8	99.7
	78.4	81.3	82.5	85.1	87.2	89.4	91.3	93.7	94.5	95.9	97.3	98.8	100.0

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OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS V
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: A
LST TO UTC: + 5 MONTH: MAR HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	41.0	41.0	41.0	41.0	41.0	41.1	41.2	41.2	41.2	41.2	41.2	41.2
GE 20000	46.3	46.3	46.3	46.3	46.5	46.6	46.8	46.9	46.9	46.9	46.9	46.9
GE 18000	47.4	47.4	47.4	47.5	47.6	47.7	48.0	48.1	48.1	48.1	48.1	48.1
GE 16000	47.4	47.4	47.4	47.5	47.6	47.7	48.0	48.1	48.1	48.1	48.1	48.1
GE 14000	47.6	47.6	47.6	47.7	47.8	48.0	48.2	48.3	48.3	48.3	48.3	48.3
GE 12000	48.2	48.2	48.2	48.3	48.4	48.5	48.7	48.8	48.8	48.8	48.8	48.8
GE 10000	50.0	50.0	50.2	50.6	50.8	50.9	51.1	51.2	51.2	51.2	51.2	51.2
GE 9000	50.3	50.3	50.5	51.0	51.1	51.2	51.5	51.6	51.6	51.6	51.6	51.6
GE 8000	53.4	53.4	53.8	54.3	54.4	54.5	54.8	54.9	54.9	54.9	54.9	54.9
GE 7000	54.3	54.3	54.7	55.3	55.5	55.6	55.9	56.0	56.0	56.0	56.0	56.0
GE 6000	54.9	54.9	55.4	55.9	56.1	56.2	56.6	56.7	56.7	56.7	56.7	56.7
GE 5000	56.0	56.1	56.6	57.1	57.4	57.5	57.8	58.0	58.0	58.0	58.0	58.0
GE 4500	56.7	56.8	57.2	57.7	58.1	58.3	58.6	58.7	58.7	58.7	58.7	58.7
GE 4000	57.5	57.6	58.2	58.9	59.2	59.5	59.8	60.1	60.2	60.2	60.2	60.2
GE 3500	58.2	58.3	58.8	59.6	60.0	60.2	60.6	60.9	61.1	61.1	61.1	61.1
GE 3000	59.8	59.9	60.4	61.2	61.6	61.8	62.5	62.7	62.9	62.9	62.9	62.9
GE 2500	62.9	63.0	64.3	65.2	65.7	65.9	66.6	66.8	67.1	67.1	67.1	67.1
GE 2000	65.4	65.5	67.1	68.1	68.7	68.9	70.1	70.4	70.9	71.0	71.1	71.1
GE 1800	65.9	66.1	67.7	68.7	69.7	70.0	71.2	71.5	71.9	72.0	72.2	72.2
GE 1500	68.1	68.6	70.3	71.6	72.9	73.2	74.6	74.9	75.8	76.0	76.6	76.6
GE 1200	70.1	70.6	72.6	73.9	75.6	76.0	77.6	78.3	79.1	79.4	80.0	80.0
GE 1000	71.2	71.7	73.7	75.1	76.9	77.4	79.2	80.3	81.2	81.4	82.0	82.0
GE 900	71.6	72.2	74.1	75.6	77.6	78.2	80.4	81.6	82.6	83.0	83.7	83.7
GE 800	71.7	72.3	74.3	75.7	78.0	78.5	81.1	82.3	83.3	84.0	84.6	84.6
GE 700	72.7	73.2	75.4	76.8	79.2	79.9	82.7	83.9	85.3	86.0	86.7	86.7
GE 600	73.1	73.7	75.8	77.2	79.9	80.5	83.7	85.2	86.9	87.8	88.5	88.5
GE 500	73.2	73.8	75.9	77.3	80.1	81.0	84.5	86.8	88.7	90.1	90.8	90.8
GE 400	73.2	73.8	75.9	77.4	80.3	81.4	85.3	87.7	89.9	91.5	92.6	92.6
GE 300	73.2	73.8	75.9	77.4	80.5	81.8	85.8	88.3	91.0	92.7	94.0	94.6
GE 200	73.2	73.8	75.9	77.4	80.5	81.8	85.9	88.4	91.1	92.8	94.2	94.8
GE 100	73.2	73.8	75.9	77.4	80.5	81.8	85.9	88.4	91.1	92.8	94.2	94.8
GE 000	73.2	73.8	75.9	77.4	80.5	81.8	85.9	88.4	91.1	92.8	94.2	94.8

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 — MONTH: MAR HOURS: 18-20

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES: GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
[illegible]	41.0	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
[illegible]	46.5	46.6	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
[illegible]	47.6	47.7	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
[illegible]	47.6	47.7	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
[illegible]	47.8	48.0	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
[illegible]	48.4	48.5	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
[illegible]	50.8	50.9	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
[illegible]	51.1	51.2	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
[illegible]	54.4	54.5	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
[illegible]	55.5	55.6	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
[illegible]	56.1	56.2	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
[illegible]	57.4	57.5	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
[illegible]	58.1	58.3	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
[illegible]	59.2	59.5	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
[illegible]	60.0	60.2	60.6	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
[illegible]	61.6	61.8	62.5	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
[illegible]	65.7	65.9	66.6	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
[illegible]	68.7	68.9	70.1	70.4	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1
[illegible]	69.7	70.0	71.2	71.5	71.9	72.0	72.2	72.2	72.2	72.2	72.2	72.2
[illegible]	72.9	73.2	74.6	74.9	75.8	76.0	76.6	76.6	76.6	76.8	76.8	76.8
[illegible]	75.6	76.0	77.6	78.3	79.1	79.4	80.0	80.0	80.0	80.2	80.2	80.2
[illegible]	76.9	77.4	79.2	80.3	81.2	81.4	82.0	82.0	82.2	82.4	82.4	82.4
[illegible]	77.6	78.2	80.4	81.6	82.6	83.0	83.7	83.7	83.8	84.0	84.0	84.0
[illegible]	78.0	78.5	81.1	82.3	83.3	84.0	84.6	84.6	84.7	84.9	84.9	84.9
[illegible]	79.2	79.9	82.7	83.9	85.3	86.0	86.7	86.7	86.8	87.0	87.0	87.0
[illegible]	79.9	80.5	83.7	85.2	86.9	87.8	88.5	88.5	88.6	88.8	89.1	89.8
[illegible]	80.1	81.0	84.5	86.8	88.7	90.1	90.8	90.8	90.9	91.1	91.4	92.0
[illegible]	80.3	81.4	85.3	87.7	89.9	91.5	92.6	92.6	93.0	93.2	93.5	94.2
[illegible]	80.5	81.8	85.8	88.3	91.0	92.7	94.0	94.6	95.6	95.8	96.2	96.9
[illegible]	80.5	81.8	85.9	88.4	91.1	92.8	94.2	94.8	96.0	96.7	97.4	98.4
[illegible]	80.5	81.8	85.9	88.4	91.1	92.8	94.2	94.8	96.2	96.9	98.0	99.5
[illegible]	80.5	81.8	85.9	88.4	91.1	92.8	94.2	94.8	96.2	96.9	98.0	100.0

...TAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

1. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: MAR HOURS: 18-20

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES										
	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
	46.6	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
	47.7	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
	47.7	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
	48.0	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
	48.5	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
	50.9	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
	51.2	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
	54.5	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
	56.2	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
	57.5	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
	58.3	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
	59.5	59.9	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
	60.2	60.6	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
	61.9	62.5	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
	66.2	66.5	66.8	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
	69.9	70.1	70.4	70.9	71.0	71.1	71.1	71.1	71.1	71.1	71.1
	70.0	71.2	71.5	71.9	72.0	72.2	72.2	72.2	72.2	72.2	72.2
	73.2	74.5	74.9	75.8	76.0	76.6	76.6	76.6	76.8	76.8	76.8
	75.0	77.5	78.3	79.1	79.4	80.0	80.0	80.0	80.2	80.2	80.2
	77.4	79.2	80.3	81.2	81.4	82.0	82.0	82.2	82.4	82.4	82.4
	78.2	80.4	81.6	82.6	83.0	83.7	83.7	83.8	84.0	84.0	84.0
	79.5	81.1	82.3	83.3	84.0	84.6	84.6	84.7	84.9	84.9	84.9
	79.9	82.7	83.9	85.3	86.0	86.7	86.7	86.8	87.0	87.0	87.0
	80.5	83.7	85.2	86.9	87.8	88.5	88.5	88.6	89.8	89.1	89.8
	81.0	84.5	86.8	88.7	90.1	90.8	90.8	90.9	91.1	91.4	92.0
	81.4	85.3	87.7	89.9	91.5	92.6	92.6	93.0	93.2	93.5	94.2
	81.8	85.8	88.3	91.0	92.7	94.0	94.6	95.6	95.8	96.2	96.9
	81.8	85.9	88.4	91.1	92.8	94.2	94.8	96.0	96.7	97.4	98.4
	81.8	85.9	88.4	91.1	92.8	94.2	94.8	96.2	96.9	98.0	99.5
	81.8	85.9	88.4	91.1	92.8	94.2	94.8	96.2	96.9	98.0	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AL
LST TO UTC: + 5 — MONTH: MAR — HOURS: 2

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	43.3	43.7	43.8	43.9	44.0	44.2	44.2	44.2	44.2	44.3	44.3	44.3
GE 20000	46.5	46.8	47.0	47.1	47.2	47.4	47.4	47.4	47.4	47.5	47.5	47.5
GE 18000	46.7	47.0	47.2	47.3	47.4	47.6	47.6	47.6	47.6	47.7	47.7	47.7
GE 16000	46.7	47.0	47.2	47.3	47.4	47.6	47.6	47.6	47.6	47.7	47.7	47.7
GE 14000	46.7	47.0	47.2	47.3	47.4	47.6	47.6	47.6	47.6	47.7	47.7	47.7
GE 12000	47.5	47.8	48.1	48.2	48.3	48.5	48.5	48.5	48.5	48.6	48.6	48.6
GE 10000	49.6	49.9	50.1	50.2	50.3	50.5	50.5	50.5	50.5	50.6	50.6	50.6
GE 9000	49.7	50.0	50.2	50.3	50.4	50.6	50.6	50.6	50.6	50.8	50.8	50.8
GE 8000	51.9	52.3	52.5	52.7	53.0	53.2	53.2	53.2	53.2	53.3	53.3	53.3
GE 7000	52.3	52.6	52.8	53.0	53.3	53.5	53.5	53.5	53.5	53.7	53.7	53.7
GE 6000	52.7	53.0	53.2	53.4	53.8	54.0	54.0	54.0	54.0	54.1	54.1	54.1
GE 5000	54.4	54.9	55.2	55.5	55.8	56.0	56.0	56.0	56.0	56.1	56.1	56.1
GE 4500	55.1	55.6	55.8	56.1	56.5	56.7	56.7	56.7	56.7	56.8	56.8	56.8
GE 4000	56.5	57.0	57.2	57.5	57.8	58.2	58.3	58.3	58.3	58.4	58.4	58.4
GE 3500	57.2	57.7	58.0	58.3	58.6	58.9	59.0	59.0	59.0	59.1	59.1	59.1
GE 3000	58.9	59.5	59.8	60.1	61.2	61.6	61.9	61.9	61.9	62.0	62.0	62.0
GE 2500	61.9	62.5	62.9	63.3	64.5	64.9	65.3	65.4	65.4	65.5	65.5	65.5
GE 2000	65.4	65.9	66.7	67.3	68.9	69.5	70.4	70.6	70.6	70.8	70.8	70.8
GE 1800	65.8	66.3	67.3	68.0	69.6	70.1	71.2	71.5	71.6	71.8	71.8	71.8
GE 1500	68.1	68.7	69.9	70.5	72.6	73.1	74.5	74.9	75.2	75.9	76.0	76.0
GE 1200	69.1	69.8	71.2	71.9	74.1	74.7	76.3	76.8	77.1	78.1	78.4	78.5
GE 1000	70.1	70.8	72.5	73.2	75.5	76.1	77.8	78.4	78.7	79.8	80.2	80.4
GE 900	70.2	70.9	72.6	73.5	76.0	76.7	78.5	79.0	79.6	80.8	81.2	81.4
GE 800	70.4	71.1	72.8	73.8	76.6	77.4	79.4	79.9	80.4	81.9	82.6	82.8
GE 700	71.3	71.9	73.8	74.9	77.8	78.7	81.5	82.6	83.1	84.6	85.3	85.5
GE 600	71.6	72.3	74.4	75.8	78.9	79.9	83.2	84.3	84.9	86.6	87.2	87.4
GE 500	72.2	72.8	74.9	76.7	80.1	81.1	84.6	85.8	86.7	88.4	89.1	89.4
GE 400	72.3	72.9	75.2	76.9	80.5	81.6	85.7	87.6	88.6	90.5	91.5	91.7
GE 300	72.5	73.1	75.4	77.1	81.0	82.6	86.9	89.2	90.9	93.1	94.4	94.9
GE 200	72.5	73.1	75.4	77.1	81.0	82.6	87.0	89.7	91.3	93.7	94.9	95.5
GE 100	72.5	73.1	75.4	77.1	81.0	82.6	87.0	89.7	91.3	93.8	95.1	95.6
GE 000	72.5	73.1	75.4	77.1	81.0	82.6	87.0	89.7	91.3	93.8	95.1	95.6

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

E: K. I. SAWYER AFB MI
+ 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: MAR HOURS: 21-23

	VISIBILITY IN STATUTE MILES										
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
44.0	44.2	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3
47.2	47.4	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5
47.4	47.6	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7
47.4	47.6	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7
47.4	47.6	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7
48.3	48.5	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6
50.3	50.5	50.5	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6
50.4	50.6	50.6	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.8	50.8
53.0	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3
53.3	53.5	53.5	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7
53.8	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1
55.8	56.0	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1
56.5	56.7	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8
57.8	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4
58.6	58.9	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1
61.2	61.6	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0
64.5	64.9	65.3	65.4	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5
68.9	69.5	70.4	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8
69.6	70.1	71.2	71.5	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8
72.6	73.1	74.5	74.9	75.2	75.9	76.0	76.0	76.0	76.0	76.0	76.0
74.1	74.7	76.3	76.8	77.1	78.1	78.4	78.5	78.5	78.5	78.5	78.5
75.5	76.1	77.8	78.4	78.7	79.8	80.2	80.4	80.4	80.4	80.4	80.4
76.0	76.7	78.5	79.0	79.6	80.8	81.2	81.4	81.4	81.4	81.4	81.4
76.6	77.4	79.4	79.9	80.4	81.9	82.6	82.8	82.8	82.8	82.8	82.8
77.8	78.7	81.5	82.6	83.1	84.6	85.3	85.5	85.5	85.5	85.5	85.5
78.9	79.9	83.2	84.3	84.9	86.6	87.2	87.4	87.7	87.7	87.8	88.5
80.1	81.1	84.6	85.8	86.7	88.4	89.1	89.4	89.7	89.7	89.8	90.4
80.5	81.6	85.7	87.6	88.6	90.5	91.5	91.7	92.0	92.2	92.4	93.0
81.0	82.6	86.9	89.2	90.9	93.1	94.4	94.9	95.8	96.0	96.3	97.0
81.0	82.6	87.0	89.7	91.3	93.7	94.9	95.5	96.6	96.8	97.7	98.4
81.0	82.6	87.0	89.7	91.3	93.8	95.1	95.6	96.7	96.9	98.0	99.4
81.0	82.6	87.0	89.7	91.3	93.8	95.1	95.6	96.7	96.9	98.0	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS V
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD:
LST TO UTC: + 5 MONTH: MAR HOURS: AL

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	37.2	37.4	37.6	37.7	37.9	38.0	38.1	38.2	38.2	38.2	38.2	38.2
GE 20000	40.9	41.1	41.4	41.5	41.9	41.9	42.0	42.1	42.1	42.2	42.2	42.2
GE 18000	41.5	41.7	42.0	42.2	42.5	42.5	42.6	42.7	42.7	42.8	42.8	42.8
GE 16000	41.6	41.8	42.2	42.3	42.6	42.6	42.7	42.8	42.9	42.9	42.9	42.9
GE 14000	41.9	42.1	42.4	42.6	42.9	42.9	43.0	43.1	43.2	43.2	43.2	43.2
GE 12000	42.6	42.9	43.2	43.3	43.6	43.7	43.8	43.9	43.9	44.0	44.0	44.0
GE 10000	44.4	44.7	45.0	45.3	45.6	45.7	45.7	45.9	45.9	45.9	45.9	45.9
GE 9000	44.7	45.0	45.4	45.6	45.9	46.0	46.1	46.2	46.2	46.2	46.3	46.3
GE 8000	46.9	47.1	47.5	47.8	48.2	48.3	48.4	48.5	48.6	48.6	48.6	48.6
GE 7000	48.0	48.2	48.7	49.0	49.4	49.5	49.6	49.7	49.8	49.8	49.8	49.8
GE 6000	48.5	48.8	49.2	49.5	50.0	50.1	50.2	50.3	50.4	50.4	50.4	50.4
GE 5000	49.7	50.1	50.5	50.9	51.4	51.5	51.7	51.8	51.9	51.9	51.9	51.9
GE 4500	50.3	50.7	51.2	51.5	52.1	52.2	52.4	52.5	52.6	52.6	52.6	52.6
GE 4000	51.7	52.2	52.7	53.1	53.8	54.0	54.2	54.4	54.4	54.5	54.6	54.6
GE 3500	52.7	53.2	53.8	54.1	54.9	55.0	55.3	55.5	55.6	55.6	55.7	55.7
GE 3000	54.4	54.9	55.5	55.9	56.9	57.1	57.4	57.6	57.7	57.8	57.9	57.9
GE 2500	56.9	57.4	58.3	58.8	60.0	60.2	60.6	60.9	61.0	61.1	61.2	61.2
GE 2000	60.5	61.0	62.2	63.0	64.5	64.8	65.6	66.0	66.3	66.5	66.6	66.6
GE 1800	61.5	62.1	63.4	64.2	65.8	66.1	67.0	67.5	67.8	68.0	68.2	68.2
GE 1500	64.2	64.9	66.4	67.3	69.2	69.6	70.8	71.4	71.9	72.2	72.5	72.5
GE 1200	66.0	66.8	68.5	69.6	71.9	72.4	73.8	74.6	75.1	75.6	76.2	76.2
GE 1000	66.9	67.7	69.6	70.7	73.1	73.7	75.3	76.2	76.9	77.6	78.2	78.3
GE 900	67.4	68.3	70.3	71.5	74.2	74.8	76.6	77.6	78.5	79.2	79.9	80.0
GE 800	67.7	68.7	70.8	72.1	74.9	75.6	77.7	78.8	79.9	80.8	81.8	81.9
GE 700	68.2	69.2	71.5	72.9	75.9	76.6	79.0	80.3	81.5	82.6	83.6	83.8
GE 600	68.6	69.6	72.0	73.5	76.7	77.7	80.3	81.9	83.3	84.6	85.9	86.0
GE 500	69.0	70.0	72.5	74.2	77.6	78.7	81.7	83.8	85.5	87.1	88.6	88.8
GE 400	69.1	70.2	72.7	74.4	78.0	79.2	82.5	85.0	86.7	88.4	90.3	90.7
GE 300	69.2	70.3	72.9	74.6	78.4	79.8	83.4	86.2	88.4	90.4	92.6	93.1
GE 200	69.2	70.3	72.9	74.6	78.5	79.9	83.6	86.8	89.0	91.4	93.8	94.4
GE 100	69.2	70.3	72.9	74.7	78.5	79.9	83.6	86.8	89.1	91.4	93.9	94.5
GE 000	69.2	70.3	72.9	74.7	78.5	79.9	83.6	86.8	89.1	91.4	93.9	94.5

TOTAL NUMBER OF OBSERVATIONS 7440

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: MAR HOURS: ALL

VISIBILITY IN STATUTE MILES											
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
37.9	38.0	38.1	38.2	38.2	38.2	38.2	38.2	38.3	38.3	38.3	38.3
41.9	41.9	42.0	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2
42.5	42.5	42.6	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8
42.6	42.6	42.7	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
42.9	42.9	43.0	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
43.6	43.7	43.8	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0
45.6	45.7	45.7	45.9	45.9	45.9	45.9	45.9	46.0	46.0	46.0	46.0
45.9	46.0	46.1	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3
48.2	48.3	48.4	48.5	48.6	48.6	48.6	48.6	48.7	48.7	48.7	48.7
49.4	49.5	49.6	49.7	49.8	49.8	49.8	49.8	49.9	49.9	49.9	49.9
50.0	50.1	50.2	50.3	50.4	50.4	50.4	50.4	50.5	50.5	50.5	50.5
51.4	51.5	51.7	51.8	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0
52.1	52.2	52.4	52.5	52.6	52.6	52.6	52.6	52.7	52.7	52.7	52.7
53.8	54.0	54.2	54.4	54.4	54.5	54.6	54.6	54.6	54.6	54.6	54.6
54.9	55.0	55.3	55.5	55.6	55.6	55.7	55.7	55.8	55.8	55.8	55.8
56.9	57.1	57.4	57.6	57.7	57.8	57.9	57.9	58.0	58.0	58.0	58.0
60.0	60.2	60.6	60.9	61.0	61.1	61.2	61.2	61.3	61.3	61.3	61.3
64.5	64.8	65.6	66.0	66.3	66.5	66.6	66.6	66.7	66.8	66.8	66.8
65.8	66.1	67.0	67.5	67.8	68.0	68.2	68.2	68.3	68.3	68.3	68.3
69.2	69.6	70.8	71.4	71.9	72.2	72.5	72.5	72.7	72.8	72.8	72.8
71.9	72.4	73.8	74.6	75.1	75.6	76.2	76.2	76.5	76.7	76.8	76.8
73.1	73.7	75.3	76.2	76.9	77.6	78.2	78.3	78.6	78.9	78.9	78.9
74.2	74.8	76.6	77.6	78.5	79.2	79.9	80.0	80.4	80.7	80.7	80.7
74.9	75.6	77.7	79.8	79.9	80.8	81.8	81.9	82.3	82.6	82.7	82.8
75.9	76.6	79.0	80.3	81.5	82.6	83.6	83.8	84.1	84.5	84.6	84.7
76.7	77.7	80.3	81.9	83.3	84.6	85.9	86.0	86.7	87.1	87.3	87.8
77.6	78.7	81.7	83.8	85.5	87.1	88.6	88.8	89.6	89.9	90.3	90.8
78.0	79.2	82.5	85.0	86.7	88.4	90.3	90.7	91.5	92.1	92.6	93.2
78.4	79.8	83.4	86.2	88.4	90.4	92.6	93.1	94.3	95.0	95.6	96.2
78.5	79.9	83.6	86.8	89.0	91.4	93.8	94.4	95.8	96.8	97.8	98.6
78.5	79.9	83.6	86.8	89.1	91.4	93.9	94.5	96.0	97.1	98.2	99.6
78.5	79.9	83.6	86.8	89.1	91.4	93.9	94.5	96.0	97.1	98.3	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: APR HOURS: 00

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
GE 20000	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 18000	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 16000	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 14000	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 12000	57.6	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 10000	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 9000	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 8000	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 7000	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 6000	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 5000	65.6	65.8	66.0	66.0	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2
GE 4500	68.1	68.3	68.6	68.7	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0
GE 4000	70.4	70.7	71.0	71.1	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8
GE 3500	71.4	71.8	72.2	72.3	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0
GE 3000	73.8	74.1	74.7	74.8	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4
GE 2500	75.7	76.0	76.6	76.7	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3
GE 2000	77.0	77.4	78.1	78.4	79.0	79.0	79.2	79.3	79.3	79.3	79.3	79.3
GE 1800	77.8	78.2	79.1	79.4	80.0	80.0	80.2	80.3	80.3	80.3	80.3	80.3
GE 1500	79.2	79.7	80.7	81.0	81.8	81.8	82.0	82.1	82.1	82.1	82.1	82.1
GE 1200	79.9	80.3	81.4	81.8	82.7	82.7	82.9	83.0	83.0	83.0	83.1	83.1
GE 1000	80.9	81.3	82.4	82.8	83.8	83.9	84.1	84.3	84.3	84.3	84.4	84.4
GE 900	81.2	81.8	82.9	83.2	84.3	84.4	84.7	85.0	85.0	85.0	85.1	85.1
GE 800	81.9	82.6	83.9	84.3	85.6	85.7	85.9	86.3	86.6	86.6	86.8	87.0
GE 700	82.1	82.8	84.1	84.6	85.8	85.9	86.2	87.1	87.3	87.3	87.6	87.9
GE 600	82.4	83.1	84.6	85.1	86.8	86.9	87.3	88.2	88.4	88.4	88.7	89.0
GE 500	82.8	83.4	84.9	85.7	87.9	88.3	89.4	90.6	90.9	90.9	91.1	91.4
GE 400	82.8	83.4	85.0	85.8	88.1	88.6	89.8	91.2	91.9	92.0	92.2	92.6
GE 300	83.0	83.7	85.4	86.2	88.8	89.3	90.9	92.9	94.1	94.3	94.8	95.2
GE 200	83.0	83.7	85.4	86.2	88.8	89.3	90.9	93.3	94.8	95.0	95.4	95.9
GE 100	83.0	83.7	85.4	86.2	88.8	89.3	90.9	93.3	94.8	95.1	95.6	96.0
GE 000	83.0	83.7	85.4	86.2	88.8	89.3	90.9	93.3	94.8	95.1	95.6	96.0

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: APR HOURS: 00-02

	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
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
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
[illegible]	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
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
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
4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
2	66.0	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
0	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
8	71.6	71.6	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
C	72.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
4	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
[illegible]	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
[illegible]	79.0	79.0	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
[illegible]	80.0	80.0	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
2	81.8	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2	82.2
2	82.7	82.7	82.9	83.0	83.0	83.0	83.1	83.1	83.2	83.3	83.3	83.3
6	83.8	83.9	84.1	84.3	84.3	84.3	84.4	84.4	84.6	84.7	84.7	84.7
2	84.3	84.4	84.7	85.0	85.0	85.0	85.1	85.1	85.2	85.3	85.3	85.3
1	85.6	85.7	85.9	86.3	86.6	86.6	86.8	87.0	87.1	87.3	87.3	87.3
0	85.8	85.9	86.2	87.1	87.3	87.3	87.6	87.9	88.0	88.2	88.2	88.2
1	86.8	86.9	87.3	88.2	88.4	88.4	88.7	89.0	89.1	89.3	89.3	89.3
6	87.9	88.3	89.4	90.6	90.9	90.9	91.1	91.4	91.6	91.8	91.8	91.8
8	88.1	88.6	89.8	91.2	91.9	92.0	92.2	92.6	92.8	93.0	93.0	93.0
6	88.8	89.3	90.9	92.9	94.1	94.3	94.8	95.2	95.6	95.8	95.9	96.2
4	88.8	89.3	90.9	93.3	94.8	95.0	95.4	95.9	96.4	96.9	97.4	98.3
7	88.8	89.3	90.9	93.3	94.8	95.1	95.6	96.0	96.7	97.2	98.6	99.7
7	88.8	89.3	90.9	93.3	94.8	95.1	95.6	96.0	96.7	97.2	98.6	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: APR HOURS: 03

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	49.3	49.6	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 20000	51.6	52.0	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 18000	51.9	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 16000	51.9	52.3	52.3	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 14000	52.6	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 12000	53.9	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 10000	55.9	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 9000	56.1	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 8000	58.3	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 7000	58.7	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 6000	59.8	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 5000	61.8	62.3	62.3	62.3	62.4	62.4	62.6	62.8	62.8	62.8	62.8	62.8
GE 4500	62.7	63.2	63.2	63.2	63.3	63.3	63.4	63.7	63.7	63.7	63.7	63.7
GE 4000	66.9	67.4	67.4	67.7	67.8	67.8	67.9	68.1	68.1	68.1	68.1	68.1
GE 3500	67.9	68.4	68.6	68.8	68.9	68.9	69.1	69.3	69.3	69.3	69.3	69.3
GE 3000	69.3	69.9	70.1	70.3	70.3	70.8	71.1	71.3	71.3	71.3	71.3	71.3
GE 2500	70.7	71.2	71.6	72.0	72.4	72.4	72.8	73.0	73.0	73.0	73.1	73.1
GE 2000	72.7	73.2	73.7	74.1	74.8	74.8	75.2	75.4	75.4	75.4	75.6	75.6
GE 1800	73.7	74.2	74.8	75.3	76.2	76.2	76.7	76.9	76.9	76.9	77.0	77.0
GE 1500	75.1	75.7	76.6	77.2	78.2	78.2	78.7	79.2	79.3	79.3	79.4	79.4
GE 1200	76.9	77.4	78.4	79.1	80.1	80.1	80.6	81.1	81.2	81.2	81.3	81.3
GE 1000	77.9	78.4	79.8	80.4	81.6	81.6	82.0	82.6	82.7	82.7	82.8	82.8
GE 900	78.0	78.6	79.9	80.6	81.7	82.0	82.4	83.1	83.4	83.4	83.6	83.6
GE 800	78.7	79.2	80.3	81.4	82.9	83.2	83.7	84.6	85.0	85.0	85.1	85.1
GE 700	79.0	79.7	81.2	81.9	83.4	83.8	84.3	85.2	85.8	85.8	85.9	85.9
GE 600	79.1	79.8	81.3	82.0	83.8	84.1	84.9	85.9	86.4	86.4	86.6	86.6
GE 500	79.2	80.0	81.6	82.3	84.3	84.9	86.2	87.2	88.0	88.0	88.3	88.3
GE 400	79.4	80.3	82.1	82.9	85.1	85.8	87.8	89.0	90.1	90.1	90.4	90.4
GE 300	79.4	80.3	82.3	83.2	85.7	86.3	88.4	89.8	91.1	91.2	91.8	91.8
GE 200	79.4	80.3	82.4	83.3	85.8	86.4	88.7	90.1	92.0	92.6	93.2	93.3
GE 100	79.4	80.3	82.4	83.3	85.8	86.4	88.7	90.3	92.2	92.9	93.6	93.7
GE 000	79.4	80.3	82.4	83.3	85.8	86.4	88.7	90.3	92.2	92.9	93.6	93.7

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

WBAN: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: + 5 MONTH: APR HOURS: 03-05

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
GE 0	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.9	49.9	49.9
GE 100	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.3	52.3	52.3
GE 200	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.7	52.7	52.7
GE 300	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.7	52.7	52.7
GE 500	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.3	53.3	53.3
GE 700	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.7	54.7	54.7
GE 900	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.7	56.7	56.7
GE 1000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.9	56.9	56.9
GE 1200	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.1	59.1	59.1
GE 1400	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.4	59.4	59.4
GE 1600	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.7	60.7	60.7
GE 1800	62.4	62.4	62.6	62.8	62.8	62.8	62.8	62.8	62.8	63.0	63.0	63.0
GE 2000	63.3	63.3	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.9	63.9	63.9
GE 2200	67.8	67.8	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.3	68.3	68.3
GE 2400	68.9	68.9	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.6	69.7	69.7
GE 2600	70.8	70.8	71.1	71.3	71.3	71.3	71.3	71.3	71.4	71.7	71.8	71.8
GE 2800	72.4	72.4	72.8	73.0	73.0	73.0	73.1	73.1	73.2	73.4	73.6	73.6
GE 3000	74.8	74.8	75.2	75.4	75.4	75.4	75.6	75.6	75.7	75.9	76.0	76.0
GE 3500	76.2	76.2	76.7	76.9	76.9	76.9	77.0	77.0	77.1	77.3	77.4	77.4
GE 4000	78.2	78.2	78.7	79.2	79.3	79.3	79.4	79.4	79.9	80.2	80.3	80.3
GE 4500	80.1	80.1	80.6	81.1	81.2	81.2	81.3	81.3	81.8	82.1	82.2	82.2
GE 5000	81.6	81.6	82.0	82.6	82.7	82.7	82.8	82.8	83.2	83.6	83.7	83.7
GE 5500	81.7	82.0	82.4	83.1	83.4	83.4	83.6	83.6	84.0	84.3	84.4	84.4
GE 6000	82.9	83.2	83.7	84.6	85.0	85.0	85.1	85.1	85.8	86.3	86.4	86.4
GE 6500	83.4	83.8	84.3	85.2	85.8	85.8	85.9	85.9	86.7	87.2	87.3	87.3
GE 7000	83.9	84.1	84.9	85.9	86.4	86.4	86.6	86.6	87.3	87.9	88.0	88.0
GE 8000	84.3	84.9	86.2	87.2	88.0	88.0	88.3	88.3	89.1	89.7	89.9	90.0
GE 9000	85.1	85.8	87.8	89.0	90.1	90.1	90.4	90.4	91.2	91.8	92.0	92.1
GE 10000	85.7	86.3	88.4	89.8	91.1	91.2	91.8	91.8	92.6	93.1	93.3	93.4
GE 12000	85.8	86.4	88.7	90.1	92.0	92.6	93.2	93.3	94.4	95.4	96.2	96.7
GE 15000	85.8	86.4	88.7	90.3	92.2	92.9	93.6	93.7	94.9	96.0	98.1	99.7
GE 20000	85.8	86.4	88.7	90.3	92.2	92.9	93.6	93.7	94.9	96.0	98.1	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG
LST TO UTC: + 5 — MONTH: APR — HOURS: 06-

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1/
NO CEIL	41.0	41.4	42.0	42.3	42.9	43.0	43.0	43.2	43.3	43.3	43.3	43.3	4
GE 20000	44.9	45.4	46.0	46.3	46.9	47.0	47.0	47.2	47.3	47.3	47.3	47.3	4
GE 18000	45.7	46.2	46.8	47.1	47.7	47.8	47.8	48.0	48.1	48.1	48.1	48.1	4
GE 16000	45.7	46.2	46.8	47.1	47.7	47.8	47.8	48.0	48.1	48.1	48.1	48.1	4
GE 14000	46.6	47.1	47.7	48.0	48.6	48.7	48.7	48.9	49.0	49.0	49.0	49.0	4
GE 12000	48.1	48.7	49.3	49.7	50.2	50.3	50.3	50.6	50.7	50.7	50.7	50.8	5
GE 10000	50.7	51.3	52.2	52.6	53.1	53.2	53.2	53.4	53.6	53.6	53.6	53.7	5
GE 9000	50.8	51.6	52.4	52.8	53.3	53.4	53.4	53.7	53.8	53.8	53.8	53.9	5
GE 8000	52.9	53.7	54.9	55.2	55.8	55.9	55.9	56.1	56.2	56.2	56.2	56.3	5
GE 7000	53.7	54.4	55.7	56.0	56.6	56.7	56.7	56.9	57.0	57.0	57.0	57.1	5
GE 6000	54.2	55.0	56.3	56.7	57.4	57.6	57.6	57.8	57.9	57.9	57.9	58.0	5
GE 5000	57.0	57.8	59.6	60.0	61.0	61.2	61.2	61.4	61.6	61.6	61.6	61.7	6
GE 4500	58.2	59.0	60.8	61.3	62.3	62.6	62.6	62.8	63.0	63.0	63.0	63.1	6
GE 4000	60.9	61.7	63.6	64.1	65.3	65.6	65.6	66.0	66.3	66.3	66.3	66.4	6
GE 3500	61.6	62.3	64.2	64.8	66.0	66.4	66.4	67.0	67.3	67.3	67.3	67.4	6
GE 3000	62.4	63.2	65.1	65.7	67.1	67.6	67.8	68.3	68.7	68.7	68.7	68.8	6
GE 2500	63.6	64.3	66.2	66.8	68.3	68.8	69.0	69.7	70.0	70.0	70.0	70.1	7
GE 2000	66.4	67.2	69.2	69.8	71.3	71.9	72.2	72.9	73.2	73.2	73.2	73.3	7
GE 1800	67.2	68.0	70.0	70.6	72.3	72.9	73.2	73.9	74.2	74.2	74.2	74.3	7
GE 1500	69.0	69.9	72.0	72.8	74.6	75.2	75.7	76.3	76.8	76.8	77.0	77.1	7
GE 1200	71.0	71.9	74.1	74.9	76.9	77.6	78.2	79.0	79.7	79.8	80.0	80.1	8
GE 1000	72.0	72.9	75.2	76.0	78.1	78.8	79.4	80.2	81.0	81.2	81.7	81.8	8
GE 900	72.1	73.0	75.3	76.2	78.3	79.0	79.7	80.6	81.3	81.6	82.0	82.1	8
GE 800	72.4	73.4	75.9	76.9	79.2	79.9	80.7	81.6	82.7	82.9	83.4	83.6	8
GE 700	72.8	73.8	76.4	77.4	79.8	80.4	81.3	82.3	83.4	83.7	84.2	84.3	8
GE 600	73.2	74.3	77.3	78.3	80.8	81.7	83.0	84.0	85.2	85.7	86.2	86.3	8
GE 500	73.3	74.4	77.7	78.7	81.8	82.8	84.4	85.6	87.0	87.6	88.3	88.4	8
GE 400	73.6	74.8	78.2	79.4	83.0	84.0	86.3	87.9	89.3	90.0	90.9	91.0	9
GE 300	73.7	74.9	78.3	79.6	83.1	84.1	86.4	88.0	89.6	90.6	91.8	91.9	9
GE 200	73.7	74.9	78.3	79.6	83.1	84.1	86.4	88.1	90.2	91.3	93.0	93.2	9
GE 100	73.7	74.9	78.3	79.6	83.1	84.1	86.4	88.1	90.2	91.3	93.1	93.3	9
GE 000	73.7	74.9	78.3	79.6	83.1	84.1	86.4	88.1	90.2	91.3	93.1	93.3	9

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STA: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME: + 5 MONTH: APR HOURS: 06-08

CEILING	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
GE 22000	42.9	43.0	43.0	43.2	43.3	43.3	43.3	43.3	43.4	43.4	43.6	43.6
GE 15000	46.9	47.0	47.0	47.2	47.3	47.3	47.3	47.3	47.4	47.4	47.6	47.6
GE 10000	47.7	47.8	47.8	48.0	48.1	48.1	48.1	48.1	48.2	48.2	48.3	48.3
GE 9000	47.7	47.8	47.8	48.0	48.1	48.1	48.1	48.1	48.2	48.2	48.3	48.3
GE 8000	48.6	48.7	48.7	48.9	49.0	49.0	49.0	49.0	49.1	49.1	49.2	49.2
GE 7000	50.2	50.3	50.3	50.6	50.7	50.7	50.7	50.8	50.9	50.9	51.0	51.0
GE 6000	53.1	53.2	53.2	53.4	53.6	53.6	53.6	53.7	53.8	53.8	53.9	53.9
GE 5000	53.3	53.4	53.4	53.7	53.8	53.8	53.8	53.9	54.0	54.0	54.1	54.1
GE 4500	55.9	55.9	55.9	56.1	56.2	56.2	56.2	56.3	56.4	56.4	56.6	56.6
GE 4000	56.6	56.7	56.7	56.9	57.0	57.0	57.0	57.1	57.2	57.2	57.3	57.3
GE 3500	57.4	57.6	57.6	57.8	57.9	57.9	57.9	58.0	58.1	58.1	58.2	58.2
GE 3000	61.0	61.2	61.2	61.4	61.6	61.6	61.6	61.7	61.8	61.9	62.0	62.0
GE 2500	62.3	62.6	62.6	62.8	63.0	63.0	63.0	63.1	63.2	63.3	63.4	63.4
GE 2200	65.3	65.6	65.6	66.0	66.3	66.3	66.3	66.4	66.6	66.7	66.8	66.8
GE 2000	66.0	66.4	66.4	67.0	67.3	67.3	67.3	67.4	67.6	67.7	67.8	67.8
GE 1800	67.1	67.6	67.8	68.3	68.7	68.7	68.7	68.8	68.9	69.0	69.1	69.1
GE 1600	68.3	68.8	69.0	69.7	70.0	70.0	70.0	70.1	70.2	70.3	70.4	70.4
GE 1400	71.3	71.7	72.2	72.9	73.2	73.2	73.2	73.3	73.4	73.6	73.7	73.7
GE 1200	72.3	72.9	73.2	73.9	74.2	74.2	74.2	74.3	74.4	74.6	74.7	74.7
GE 1000	74.6	75.2	75.7	76.3	76.8	76.8	77.0	77.1	77.3	77.4	77.6	77.6
GE 900	76.9	77.6	78.2	79.0	79.7	79.8	80.0	80.1	80.3	80.4	80.6	80.6
GE 800	78.1	78.8	79.4	80.2	81.0	81.2	81.7	81.8	82.0	82.1	82.2	82.2
GE 700	78.3	79.0	79.7	80.6	81.3	81.6	82.0	82.1	82.3	82.4	82.6	82.6
GE 600	79.2	79.9	80.7	81.6	82.7	82.9	83.4	83.6	83.8	83.9	84.3	84.3
GE 500	79.5	80.4	81.3	82.3	83.4	83.7	84.2	84.3	84.6	84.7	85.1	85.1
GE 400	80.8	81.7	83.0	84.0	85.2	85.7	86.2	86.3	86.6	86.7	87.1	87.1
GE 300	81.8	82.8	84.4	85.6	87.0	87.6	88.3	88.4	89.0	89.1	89.6	89.6
GE 200	83.0	84.0	86.3	87.9	89.3	90.0	90.9	91.0	91.9	92.0	92.4	92.4
GE 100	83.1	84.1	86.4	88.0	89.6	90.6	91.8	91.9	92.9	93.0	93.4	93.8
GE 50	83.1	84.1	86.4	88.1	90.2	91.3	93.0	93.2	94.3	94.6	96.3	97.1
GE 0	83.1	84.1	86.4	88.1	90.2	91.3	93.1	93.3	94.6	95.1	97.8	99.9
	83.1	84.1	86.4	88.1	90.2	91.3	93.1	93.3	94.6	95.1	97.8	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: APR HOURS: 09

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	40.4	40.9	41.3	41.4	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6
GE 20000	45.2	45.7	46.1	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3
GE 18000	45.7	46.1	46.5	46.7	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.8
GE 16000	46.0	46.4	46.9	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1
GE 14000	47.0	47.4	47.9	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1
GE 12000	48.4	48.9	49.3	49.4	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6
GE 10000	51.6	52.0	52.4	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7
GE 9000	51.7	52.1	52.6	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8
GE 8000	54.6	55.0	55.4	55.5	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7
GE 7000	55.6	56.2	56.7	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9
GE 6000	56.6	57.2	57.7	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9
GE 5000	58.6	59.4	60.3	60.4	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7
GE 4500	59.2	60.1	61.0	61.1	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3
GE 4000	60.2	61.1	62.3	62.6	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9
GE 3500	61.9	62.8	64.1	64.3	64.4	64.4	64.6	64.7	64.7	64.7	64.7	64.7
GE 3000	63.8	64.8	66.2	66.7	66.8	66.8	66.9	67.0	67.1	67.1	67.1	67.1
GE 2500	65.2	66.2	69.1	69.7	69.8	69.8	69.9	69.0	69.1	69.1	69.1	69.1
GE 2000	67.4	68.6	70.4	71.1	71.6	71.6	71.7	72.0	72.1	72.1	72.1	72.1
GE 1800	68.1	70.2	72.2	72.9	73.4	73.6	74.1	74.7	74.8	74.8	74.8	74.8
GE 1500	71.3	72.4	74.7	75.6	76.1	76.2	77.2	77.8	77.9	78.1	78.1	78.1
GE 1200	73.9	75.0	77.2	78.1	78.7	78.8	79.8	80.3	80.6	81.1	81.1	81.2
GE 1000	74.4	75.7	77.9	78.8	79.3	79.4	80.4	81.4	81.8	82.3	82.3	82.6
GE 900	74.9	76.0	78.2	79.1	79.8	79.9	80.9	81.9	82.2	82.8	82.8	83.0
GE 800	75.7	77.0	79.3	80.3	81.2	81.3	82.4	83.4	83.9	84.4	84.6	84.8
GE 700	76.0	77.3	79.7	80.7	81.9	82.1	83.6	84.6	85.1	85.7	85.9	86.1
GE 600	76.3	77.8	80.3	81.7	83.1	83.6	85.0	86.0	86.6	87.2	87.7	87.9
GE 500	76.7	78.3	81.6	82.9	84.7	85.2	87.2	88.4	89.0	89.8	90.6	90.8
GE 400	76.8	78.4	81.9	83.2	85.3	86.0	88.7	90.2	91.0	92.1	93.1	93.3
GE 300	76.8	78.4	82.0	83.3	85.7	86.4	89.1	91.1	92.2	93.6	94.7	95.0
GE 200	76.8	78.4	82.0	83.3	85.7	86.4	89.3	91.6	93.0	94.3	95.9	96.2
GE 100	76.8	78.4	82.0	83.3	85.7	86.4	89.3	91.7	93.1	94.4	96.1	96.4
GE 000	76.8	78.4	82.0	83.3	85.7	86.4	89.3	91.7	93.1	94.4	96.1	96.4

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STN. NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	41.4	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
	46.2	46.2	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
	46.7	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
	47.0	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
	48.0	48.0	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
	49.4	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
	52.6	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
	52.7	52.7	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
	60.6	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
	62.7	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
	64.4	64.4	64.4	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
	66.8	66.8	66.8	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
	68.8	68.8	68.8	68.9	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
	71.6	71.6	71.6	71.7	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
	73.4	73.6	73.6	74.1	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
	76.1	76.2	76.2	77.2	77.8	77.9	78.1	78.1	78.1	79.3	78.3	78.3	78.3
	78.7	78.8	78.8	79.8	80.3	80.6	81.1	81.1	81.2	81.4	81.4	81.4	81.4
	79.3	79.4	80.4	81.4	81.8	82.3	82.3	82.6	82.8	83.1	83.1	83.1	83.1
	79.8	79.9	80.9	81.9	82.2	82.8	82.8	83.0	83.2	83.6	83.6	83.6	83.6
	81.2	81.3	82.4	83.4	83.9	84.4	84.6	84.8	85.0	85.3	85.3	85.3	85.3
	81.9	82.1	83.6	84.6	85.1	85.7	85.9	86.1	86.3	86.8	86.9	86.9	86.9
	83.1	83.6	85.0	86.0	86.6	87.2	87.7	87.9	88.2	88.7	88.8	88.8	88.8
	84.7	85.2	87.2	88.4	89.0	89.8	90.6	90.8	91.1	91.7	91.8	91.8	91.8
	85.3	86.0	88.7	90.2	91.0	92.1	93.1	93.3	93.8	94.3	94.4	94.4	94.4
	85.7	86.4	89.1	91.1	92.2	93.6	94.7	95.0	95.6	96.2	96.4	96.6	96.6
	85.7	86.4	89.3	91.6	93.0	94.3	95.9	96.2	96.8	97.4	98.1	98.2	98.2
	85.7	86.4	89.3	91.7	93.1	94.4	96.1	96.4	97.3	98.2	99.1	99.9	99.9
	85.7	86.4	89.3	91.7	93.1	94.4	96.1	96.4	97.3	98.2	99.2	100.0	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 — MONTH: APR — HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	42.1	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
GE 20000	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
GE 18000	50.4	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
GE 16000	50.7	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
GE 14000	51.4	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 12000	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
GE 10000	54.7	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 9000	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
GE 8000	58.1	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 7000	58.9	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 6000	60.2	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
GE 5000	61.8	62.6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 4500	62.9	63.8	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 4000	64.8	65.7	66.4	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 3500	66.3	67.2	68.0	68.0	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 3000	67.8	68.7	69.4	69.4	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 2500	69.4	70.4	71.4	71.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 2000	72.2	73.2	74.3	74.3	75.7	75.8	75.9	76.0	76.1	76.6	76.6	76.6	76.6
GE 1800	73.7	74.7	75.8	75.9	77.2	77.3	77.4	77.6	77.7	78.1	78.1	78.1	78.1
GE 1500	77.1	78.1	79.5	80.1	81.7	81.8	82.2	82.3	82.4	83.0	83.1	83.1	83.1
GE 1200	78.4	79.6	81.4	81.9	83.3	83.4	83.9	84.1	84.2	84.9	85.0	85.0	85.0
GE 1000	79.8	81.1	83.1	83.4	85.0	85.1	85.6	85.8	86.0	86.9	87.1	87.1	87.1
GE 900	80.7	82.0	84.4	84.9	86.6	86.7	87.1	87.3	87.6	88.6	88.8	88.8	88.8
GE 800	81.7	83.0	85.4	85.8	87.8	88.1	88.6	88.9	89.1	90.3	90.6	90.6	90.6
GE 700	82.0	83.3	85.8	86.2	88.2	88.7	89.2	89.8	90.2	91.4	91.7	91.7	91.7
GE 600	82.7	84.0	86.4	86.9	89.1	89.6	90.1	90.7	91.2	92.4	92.9	92.9	93.0
GE 500	82.7	84.1	86.8	87.7	90.1	90.6	91.6	92.1	92.8	94.0	94.6	94.6	94.7
GE 400	82.7	84.1	86.8	87.7	90.1	90.6	91.9	92.8	93.6	94.8	95.7	95.7	95.8
GE 300	82.8	84.2	87.0	88.0	90.4	90.9	92.3	93.7	94.6	96.2	97.1	97.1	97.3
GE 200	82.8	84.2	87.0	88.0	90.4	90.9	92.4	94.0	95.4	97.2	98.3	98.7	99.0
GE 100	82.8	84.2	87.0	88.0	90.4	90.9	92.4	94.0	95.4	97.2	98.3	98.7	99.2
GE 000	82.8	84.2	87.0	88.0	90.4	90.9	92.4	94.0	95.4	97.2	98.3	98.7	99.2

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC: + 5 MONTH: APR HOURS: 12-14

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES											
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
	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
	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
	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
	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
	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
	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
	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
	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
71.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
74.3	75.7	75.8	75.9	76.0	76.1	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
75.9	77.2	77.3	77.4	77.6	77.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
80.1	81.7	81.8	82.2	82.3	82.4	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
81.9	83.3	83.4	83.9	84.1	84.2	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0
83.4	85.0	85.1	85.6	85.8	86.0	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1
86.3	86.6	86.7	87.1	87.3	87.6	88.6	88.8	88.8	88.8	88.8	88.8	88.8	88.8
87.8	87.8	88.1	88.6	88.9	89.1	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6
88.2	88.2	88.7	89.2	89.8	90.2	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7
88.9	89.1	89.6	90.1	90.7	91.2	92.4	92.9	92.9	93.0	93.0	93.0	93.0	93.0
89.7	90.1	90.6	91.6	92.1	92.8	94.0	94.6	94.6	94.7	94.7	94.7	94.7	94.7
89.7	90.1	90.6	91.9	92.8	93.6	94.8	95.7	95.7	95.8	95.8	95.8	95.8	95.8
89.9	90.4	90.9	92.3	93.7	94.6	96.2	97.1	97.1	97.3	97.3	97.3	97.4	
90.0	90.4	90.9	92.4	94.0	95.4	97.2	98.3	98.7	99.0	99.1	99.3	99.6	
90.0	90.4	90.9	92.4	94.0	95.4	97.2	98.3	98.7	99.2	99.3	99.6	100.0	
90.0	90.4	90.9	92.4	94.0	95.4	97.2	98.3	98.7	99.2	99.3	99.6	100.0	

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG
LST TO UTC: + 5 — MONTH: APR — HOURS: 15-

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	46.8	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	4
GE 20000	54.6	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	5
GE 18000	55.8	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	5
GE 16000	56.3	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	5
GE 14000	57.1	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	5
GE 12000	57.4	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	5
GE 10000	59.8	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	6
GE 9000	60.3	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	6
GE 8000	63.3	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	6
GE 7000	64.9	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	6
GE 6000	65.9	66.3	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	6
GE 5000	68.2	69.0	69.4	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	6
GE 4500	68.8	69.6	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	7
GE 4000	71.9	72.7	73.3	73.3	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	7
GE 3500	72.9	73.7	74.3	74.3	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	7
GE 3000	73.6	74.3	75.0	75.0	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	7
GE 2500	76.2	77.1	77.9	77.9	78.7	78.8	78.9	79.0	79.0	79.0	79.0	79.0	7
GE 2000	78.1	79.2	80.4	80.4	81.4	81.7	82.2	82.3	82.4	82.4	82.4	82.4	8
GE 1800	79.6	80.7	82.0	82.0	83.0	83.2	83.8	83.9	84.0	84.0	84.0	84.0	8
GE 1500	81.9	83.1	84.9	84.9	85.9	86.2	87.0	87.4	87.6	87.7	87.7	87.7	8
GE 1200	83.0	84.2	86.0	86.1	87.3	87.7	88.4	89.0	89.1	89.2	89.2	89.2	8
GE 1000	83.4	84.7	86.6	86.7	88.1	88.4	89.2	90.1	90.4	90.6	90.6	90.6	9
GE 900	83.8	85.0	87.2	87.3	89.1	89.4	90.2	91.2	91.6	91.7	91.8	91.8	9
GE 800	84.0	85.2	87.6	87.8	89.6	89.9	90.8	91.9	92.3	92.7	92.8	92.8	9
GE 700	84.2	85.4	87.9	88.2	90.0	90.3	91.3	92.4	92.9	93.2	93.3	93.3	9
GE 600	84.2	85.4	88.1	88.4	90.2	90.6	91.7	93.1	93.8	94.1	94.2	94.4	9
GE 500	84.4	85.7	88.3	88.8	91.0	91.3	92.6	94.1	95.0	95.3	95.6	95.8	9
GE 400	84.4	85.7	88.4	89.0	91.3	91.7	92.9	94.4	95.7	96.0	96.2	96.4	9
GE 300	84.4	85.7	88.4	89.0	91.4	91.8	93.4	95.1	97.0	97.3	97.8	98.0	9
GE 200	84.4	85.7	88.4	89.0	91.4	91.8	93.4	95.1	97.2	97.7	98.2	98.4	9
GE 100	84.4	85.7	88.4	89.0	91.4	91.8	93.4	95.1	97.2	97.8	98.3	98.6	9
GE 000	84.4	85.7	88.4	89.0	91.4	91.8	93.4	95.1	97.2	97.8	98.3	98.6	9

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
HOUR UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: APR HOURS: 15-17

CEILING	VISIBILITY IN STATUTE MILES											
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
GE 22000	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 20000	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 18000	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
GE 16000	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 14000	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
GE 12000	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
GE 10000	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
GE 9000	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
GE 8000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 7000	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
GE 6000	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 5000	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 4500	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 4000	73.3	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 3500	74.3	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 3000	75.0	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 2500	77.9	78.7	78.8	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 2000	80.4	81.4	81.7	82.2	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 1800	82.0	83.0	83.2	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 1600	84.9	85.9	86.2	87.0	87.4	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1400	86.1	87.3	87.7	88.4	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1200	86.7	88.1	88.4	89.2	90.1	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1000	87.3	89.1	89.4	90.2	91.2	91.6	91.7	91.8	91.8	91.9	91.9	91.9	91.9
GE 900	87.8	89.6	89.9	90.8	91.9	92.3	92.7	92.8	92.8	92.9	92.9	93.0	93.0
GE 800	88.2	90.0	90.3	91.3	92.4	92.9	93.2	93.3	93.3	93.4	93.4	93.6	93.6
GE 700	88.4	90.2	90.6	91.7	93.1	93.8	94.1	94.2	94.4	94.6	94.6	94.7	94.7
GE 600	88.8	91.0	91.3	92.6	94.1	95.0	95.3	95.6	95.8	96.0	96.0	96.1	96.1
GE 500	89.0	91.3	91.7	92.9	94.4	95.7	96.0	96.2	96.4	96.8	96.8	96.9	96.9
GE 400	89.0	91.4	91.8	93.4	95.1	97.0	97.3	97.8	98.0	98.3	98.6	98.8	98.8
GE 300	89.0	91.4	91.8	93.4	95.1	97.2	97.7	98.2	98.4	98.9	99.1	99.7	99.7
GE 200	89.0	91.4	91.8	93.4	95.1	97.2	97.8	98.3	98.6	99.0	99.2	99.8	100.0
GE 100	89.0	91.4	91.8	93.4	95.1	97.2	97.8	98.3	98.6	99.0	99.2	99.8	100.0

900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: APR HOURS: 19

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	48.8	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 20000	55.7	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 18000	56.2	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 16000	56.3	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 14000	57.9	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 12000	58.6	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 10000	60.9	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 9000	61.4	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 8000	64.1	64.9	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 7000	65.1	65.9	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 6000	65.7	66.4	66.7	66.8	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 5000	68.6	69.6	69.9	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 4500	69.8	70.8	71.1	71.3	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 4000	71.3	72.3	72.7	72.9	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4
GE 3500	73.1	74.2	74.6	74.8	75.0	75.3	75.4	75.4	75.4	75.4	75.4	75.4
GE 3000	74.1	75.2	75.6	75.8	76.0	76.3	76.4	76.4	76.4	76.4	76.4	76.4
GE 2500	77.1	78.2	78.8	79.0	79.7	80.3	80.6	80.6	80.6	80.6	80.6	80.6
GE 2000	78.4	79.6	80.2	80.4	81.4	82.1	82.9	82.9	82.9	82.9	83.0	83.0
GE 1800	79.6	80.7	81.3	81.7	82.7	83.3	84.1	84.1	84.1	84.1	84.2	84.2
GE 1500	81.8	83.0	84.0	84.3	85.7	86.3	87.2	87.3	87.3	87.3	87.4	87.4
GE 1200	82.9	84.1	85.2	85.6	87.0	87.7	88.6	88.8	88.8	88.9	89.1	89.1
GE 1000	83.3	84.6	85.7	86.0	87.8	88.6	89.6	90.0	90.0	90.1	90.4	90.4
GE 900	83.4	84.7	85.8	86.1	88.1	88.9	89.9	90.3	90.3	90.4	90.9	90.9
GE 800	83.8	85.1	86.3	86.8	89.0	89.8	91.1	91.6	91.8	91.9	92.3	92.3
GE 700	84.1	85.4	86.7	87.1	89.3	90.1	91.9	92.3	92.6	92.7	93.2	93.2
GE 600	84.3	85.8	87.1	87.6	89.9	90.7	92.6	93.1	93.4	93.6	94.1	94.1
GE 500	84.6	86.0	87.3	88.0	90.6	91.3	93.3	93.9	94.6	94.9	95.4	95.4
GE 400	84.7	86.1	87.4	88.1	90.8	91.6	93.6	94.2	95.0	95.3	95.9	95.9
GE 300	84.7	86.1	87.4	88.1	90.9	91.7	93.9	94.6	95.7	96.2	96.9	96.9
GE 200	84.7	86.1	87.4	88.1	90.9	91.7	94.1	94.8	96.0	96.6	97.3	97.3
GE 100	84.7	86.1	87.4	88.1	90.9	91.7	94.1	94.9	96.1	96.8	97.7	97.7
GE 000	84.7	86.1	87.4	88.1	90.9	91.7	94.1	94.9	96.1	96.8	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ON NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C UTC: + 5 MONTH: APR HOURS: 18-20

CEILING	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
GE 22000	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 20000	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 18000	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
GE 17000	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 16000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 15000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 14000	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
GE 13000	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 12000	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
GE 11000	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
GE 10000	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 9000	70.1	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 8000	71.3	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
GE 7000	72.9	73.0	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 6000	74.8	75.0	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 5000	75.8	76.0	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 4000	79.0	79.7	80.3	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 3500	80.4	81.4	82.1	82.9	82.9	82.9	82.9	83.0	83.0	83.1	83.1	83.1	83.1
GE 3000	81.7	82.7	83.3	84.1	84.1	84.1	84.1	84.2	84.2	84.3	84.3	84.3	84.3
GE 2500	84.3	85.7	86.3	87.2	87.3	87.3	87.3	87.4	87.4	87.6	87.6	87.6	87.6
GE 2000	85.6	87.0	87.7	88.6	88.8	88.8	88.9	89.1	89.1	89.2	89.2	89.2	89.2
GE 1800	86.0	87.5	88.6	89.6	90.0	90.0	90.1	90.4	90.4	90.7	90.7	90.7	90.7
GE 1600	86.1	88.1	88.9	89.9	90.3	90.3	90.4	90.9	90.9	91.1	91.1	91.1	91.1
GE 1400	86.8	89.0	89.8	91.1	91.6	91.8	91.9	92.3	92.3	92.6	92.7	92.7	92.7
GE 1200	87.1	89.3	90.1	91.9	92.3	92.6	92.7	93.2	93.2	93.4	93.6	93.6	93.6
GE 1000	87.6	89.9	90.7	92.6	93.1	93.4	93.6	94.1	94.1	94.3	94.4	94.4	94.4
GE 900	88.0	90.6	91.3	93.3	93.9	94.6	94.9	95.4	95.4	95.7	95.9	95.9	95.9
GE 800	88.1	90.8	91.6	93.6	94.2	95.0	95.3	95.9	95.9	96.1	96.3	96.4	96.4
GE 700	88.1	90.9	91.7	93.9	94.6	95.7	96.2	96.9	96.9	97.1	97.6	97.7	97.8
GE 600	88.1	90.9	91.7	94.1	94.8	96.0	96.6	97.3	97.3	98.2	98.8	99.0	99.2
GE 500	88.1	90.9	91.7	94.1	94.9	96.1	96.8	97.7	97.7	98.6	99.1	99.3	100.0
GE 0	88.1	90.9	91.7	94.1	94.9	96.1	96.8	97.7	97.7	98.6	99.1	99.3	100.0

900

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AU
LST TO UTC: + 5 — MONTH: APR — HOURS: 2

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	51.3	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 20000	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 18000	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 16000	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 14000	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 12000	59.0	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 10000	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 9000	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 8000	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 7000	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 6000	64.8	65.0	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2
GE 5000	67.8	68.0	68.2	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4
GE 4500	70.8	71.0	71.2	71.2	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7
GE 4000	73.1	73.3	73.8	73.9	74.3	74.6	74.8	74.9	74.9	75.0	75.0	75.0
GE 3500	74.2	74.4	75.0	75.0	75.6	75.8	76.0	76.1	76.1	76.2	76.2	76.2
GE 3000	75.6	75.8	76.3	76.3	76.9	77.1	77.3	77.4	77.4	77.6	77.6	77.6
GE 2500	78.6	78.8	79.3	79.4	80.2	80.6	80.9	81.0	81.0	81.1	81.1	81.1
GE 2000	79.4	79.7	80.2	80.3	81.7	82.0	82.3	82.4	82.4	82.6	82.7	82.7
GE 1800	79.8	80.0	80.6	80.7	82.0	82.3	82.7	82.8	82.8	82.9	83.0	83.0
GE 1500	80.4	80.7	81.4	81.6	83.0	83.4	84.0	84.1	84.2	84.3	84.4	84.4
GE 1200	81.9	82.1	82.9	83.0	84.6	85.0	85.7	85.8	85.9	86.0	86.1	86.1
GE 1000	82.7	82.9	83.7	83.8	85.3	85.8	86.6	86.7	86.8	86.9	87.0	87.0
GE 900	82.8	83.1	83.9	84.0	85.7	86.2	87.0	87.1	87.2	87.3	87.6	87.6
GE 800	82.9	83.3	84.2	84.3	86.1	86.8	87.7	88.0	88.1	88.2	88.4	88.4
GE 700	83.3	83.8	84.7	84.8	86.8	87.4	88.3	89.0	89.1	89.2	89.4	89.4
GE 600	83.7	84.1	85.2	85.3	87.6	88.2	89.1	89.8	89.9	90.1	90.6	90.6
GE 500	84.0	84.4	85.6	85.7	88.1	88.8	90.4	91.1	91.8	92.0	92.4	92.4
GE 400	84.2	84.7	85.8	85.9	88.3	89.2	91.3	92.0	92.8	93.3	93.8	93.8
GE 300	84.3	84.8	85.9	86.0	88.8	89.7	92.0	93.0	94.2	94.9	95.6	95.6
GE 200	84.3	84.8	85.9	86.0	88.9	89.8	92.1	93.3	94.8	95.9	96.7	96.8
GE 100	84.3	84.8	85.9	86.0	88.9	89.8	92.1	93.3	94.9	96.1	96.9	97.0
GE 000	84.3	84.8	85.9	86.0	88.9	89.8	92.1	93.3	94.9	96.1	96.9	97.0

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
T TO UTC: + 5 — MONTH: APR HOURS: 21-23

CEILING	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
GE 22000	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 20000	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
GE 18000	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
GE 17000	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
GE 16000	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 15000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 14000	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
GE 13000	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 12000	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
GE 11000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 10000	65.1	65.1	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 9000	68.2	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 8000	71.2	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 7000	73.9	74.3	74.6	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 6000	75.0	75.6	75.8	76.0	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 5000	76.3	76.9	77.1	77.3	77.4	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 4000	79.4	80.2	80.6	80.9	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 3500	80.3	81.7	82.0	82.3	82.4	82.4	82.6	82.7	82.7	82.7	82.7	82.7	82.7
GE 3000	80.7	82.0	82.3	82.7	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0
GE 2500	81.6	83.0	83.4	84.0	84.1	84.2	84.3	84.4	84.4	84.4	84.4	84.4	84.4
GE 2000	83.0	84.6	85.0	85.7	85.8	85.9	86.0	86.1	86.1	86.2	86.2	86.2	86.2
GE 1800	83.8	85.3	85.8	86.6	86.7	86.8	86.9	87.0	87.0	87.3	87.3	87.3	87.3
GE 1700	84.0	85.7	86.2	87.0	87.1	87.2	87.3	87.6	87.6	87.9	87.9	87.9	87.9
GE 1600	84.3	86.1	86.8	87.7	88.0	88.1	88.2	88.4	88.4	88.9	88.9	88.9	88.9
GE 1500	84.8	86.8	87.4	88.3	89.0	89.1	89.2	89.4	89.4	90.0	90.0	90.0	90.0
GE 1400	85.3	87.6	88.2	89.1	89.8	89.9	90.1	90.6	90.6	91.1	91.1	91.1	91.1
GE 1300	85.7	88.1	88.8	90.4	91.1	91.8	92.0	92.4	92.4	93.0	93.0	93.0	93.0
GE 1200	85.9	88.3	89.2	91.3	92.0	92.8	93.3	93.8	93.8	94.3	94.4	94.4	94.4
GE 1100	86.0	88.8	89.7	92.0	93.0	94.2	94.9	95.6	95.6	96.1	96.2	96.4	96.7
GE 1000	86.0	88.9	89.8	92.1	93.3	94.8	95.9	96.7	96.8	97.6	97.7	98.2	98.8
GE 900	86.0	88.9	89.8	92.1	93.3	94.9	96.1	96.9	97.0	98.1	98.2	99.2	100.0
GE 0	86.0	88.9	89.8	92.1	93.3	94.9	96.1	96.9	97.0	98.1	98.2	99.2	100.0

900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	46.4	46.8	46.9	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	4
GE 20000	51.5	52.0	52.1	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	5
GE 18000	52.2	52.7	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	5
GE 16000	52.4	52.9	53.0	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	5
GE 14000	53.4	53.9	54.0	54.1	54.2	54.2	54.2	54.2	54.3	54.3	54.3	54.3	5
GE 12000	54.4	54.8	55.0	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	5
GE 10000	56.7	57.1	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	5
GE 9000	57.0	57.4	57.6	57.7	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9	5
GE 8000	59.3	59.8	60.1	60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	6
GE 7000	60.3	60.8	61.1	61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	6
GE 6000	61.2	61.7	62.1	62.1	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	6
GE 5000	63.7	64.3	64.9	65.0	65.2	65.2	65.3	65.4	65.4	65.4	65.4	65.4	6
GE 4500	65.1	65.7	66.3	66.4	66.7	66.8	66.8	66.9	66.9	66.9	66.9	66.9	6
GE 4000	67.4	68.1	68.8	69.0	69.4	69.5	69.6	69.7	69.8	69.8	69.8	69.8	6
GE 3500	68.7	69.4	70.1	70.3	70.8	70.9	71.0	71.2	71.2	71.2	71.2	71.2	7
GE 3000	70.0	70.8	71.6	71.8	72.3	72.5	72.6	72.8	72.8	72.8	72.8	72.8	7
GE 2500	72.1	72.8	73.7	74.0	74.7	74.9	75.1	75.3	75.3	75.3	75.3	75.4	7
GE 2000	74.0	74.8	75.8	76.1	77.1	77.3	77.7	77.9	78.0	78.1	78.1	78.1	7
GE 1800	75.0	75.8	77.0	77.3	78.4	78.6	79.0	79.3	79.3	79.4	79.5	79.5	7
GE 1500	77.0	77.8	79.3	79.7	80.9	81.2	81.8	82.1	82.2	82.3	82.4	82.4	8
GE 1200	78.5	79.3	80.8	81.3	82.6	82.9	83.5	83.9	84.1	84.3	84.4	84.4	8
GE 1000	79.3	80.2	81.8	82.2	83.6	83.9	84.6	85.1	85.4	85.6	85.8	85.8	8
GE 900	79.6	80.5	82.2	82.7	84.2	84.6	85.2	85.8	86.1	86.3	86.6	86.6	8
GE 800	80.1	81.1	82.9	83.5	85.2	85.6	86.3	87.0	87.4	87.8	88.0	88.1	8
GE 700	80.4	81.4	83.3	83.9	85.7	86.1	87.0	87.8	88.3	88.6	88.9	89.0	8
GE 600	80.8	81.8	83.8	84.4	86.4	86.9	88.0	88.8	89.4	89.8	90.1	90.2	9
GE 500	81.0	82.1	84.2	85.0	87.3	87.9	89.4	90.4	91.1	91.6	92.0	92.2	9
GE 400	81.1	82.2	84.5	85.3	87.8	88.4	90.3	91.5	92.4	93.0	93.5	93.6	9
GE 300	81.1	82.3	84.6	85.4	88.1	88.8	90.8	92.3	93.6	94.3	95.0	95.2	9
GE 200	81.1	82.3	84.6	85.4	88.1	88.8	90.9	92.5	94.2	95.1	96.0	96.2	9
GE 100	81.1	82.3	84.6	85.4	88.1	88.8	90.9	92.6	94.3	95.2	96.2	96.4	9
GE 000	81.1	82.3	84.6	85.4	88.1	88.8	90.9	92.6	94.3	95.2	96.2	96.4	9

TOTAL NUMBER OF OBSERVATIONS 7200

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
T TO UTC: + 5 MONTH: APR HOURS: ALL

VISIBILITY IN STATUTE MILES												
GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.2	47.2	47.2
52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4	52.4	52.4
52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1
53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.3
54.1	54.2	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3	55.3	55.3
57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6	57.6	57.6
57.7	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
60.1	60.2	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4
61.1	61.2	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
62.1	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
65.0	65.2	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5
66.4	66.7	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	67.0	67.0	67.0
69.0	69.4	69.5	69.6	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.9	69.9
70.3	70.8	70.9	71.0	71.2	71.2	71.2	71.2	71.2	71.2	71.3	71.3	71.3
71.8	72.3	72.5	72.6	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9	72.9
74.0	74.7	74.9	75.1	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.5	75.5
76.1	77.1	77.3	77.7	77.9	78.0	78.1	78.1	78.1	78.2	78.2	78.2	78.2
77.3	78.4	78.6	79.0	79.3	79.3	79.4	79.5	79.5	79.5	79.6	79.6	79.6
79.7	80.9	81.2	81.8	82.1	82.2	82.3	82.4	82.4	82.6	82.6	82.7	82.7
81.3	82.6	82.9	83.5	83.9	84.1	84.3	84.4	84.4	84.6	84.6	84.7	84.7
82.2	83.6	83.9	84.6	85.1	85.4	85.6	85.8	85.8	86.0	86.1	86.2	86.2
82.7	84.2	84.6	85.2	85.8	86.1	86.3	86.6	86.6	86.8	86.9	86.9	86.9
83.5	85.2	85.6	86.3	87.0	87.4	87.8	88.0	88.1	88.3	88.5	88.6	88.6
83.9	85.7	86.1	87.0	87.8	88.3	88.6	88.9	89.0	89.3	89.4	89.5	89.5
84.4	86.4	86.9	88.0	88.8	89.4	89.8	90.1	90.2	90.5	90.7	90.8	90.8
85.0	87.3	87.9	89.4	90.4	91.1	91.6	92.0	92.2	92.5	92.7	92.8	92.8
85.3	87.8	88.4	90.3	91.5	92.4	93.0	93.5	93.6	94.1	94.3	94.4	94.4
85.4	88.1	88.8	90.8	92.3	93.6	94.3	95.0	95.2	95.7	96.0	96.2	96.3
85.4	88.1	88.8	90.9	92.5	94.2	95.1	96.0	96.2	97.0	97.4	98.0	98.4
85.4	88.1	88.8	90.9	92.6	94.3	95.2	96.2	96.4	97.3	97.8	98.9	99.9
85.4	88.1	88.8	90.9	92.6	94.3	95.2	96.2	96.4	97.3	97.8	98.9	100.0

7206

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIS
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG
LST TO UTC: + 5 — MONTH: MAY — HOURS: 00

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	55.2	55.6	56.1	56.2	56.5	56.6	56.8	57.0	57.0	57.0	57.0	57.0
GE 20000	59.4	59.8	60.3	60.4	60.6	60.8	61.0	61.2	61.2	61.2	61.2	61.2
GE 18000	59.5	59.9	60.4	60.5	60.8	60.9	61.1	61.3	61.3	61.3	61.3	61.3
GE 16000	59.5	59.9	60.4	60.5	60.8	60.9	61.1	61.3	61.3	61.3	61.3	61.3
GE 14000	59.6	60.0	60.5	60.6	60.9	61.0	61.2	61.4	61.4	61.4	61.4	61.4
GE 12000	60.9	61.3	61.9	62.0	62.3	62.4	62.6	62.8	62.8	62.8	62.8	62.8
GE 10000	64.0	64.4	65.3	65.5	65.7	65.8	66.0	66.2	66.2	66.2	66.2	66.2
GE 9000	64.5	64.9	65.8	66.0	66.2	66.3	66.6	66.8	66.8	66.8	66.8	66.8
GE 8000	67.3	67.7	68.6	68.8	69.0	69.1	69.4	69.6	69.6	69.6	69.6	69.6
GE 7000	68.7	69.1	70.0	70.3	70.5	70.6	70.9	71.1	71.1	71.1	71.1	71.1
GE 6000	70.4	70.9	71.7	72.2	72.4	72.5	72.7	72.9	72.9	72.9	72.9	72.9
GE 5000	71.8	72.4	73.2	73.7	73.9	74.0	74.2	74.4	74.4	74.4	74.4	74.4
GE 4500	73.4	74.0	74.9	75.4	75.6	75.7	75.9	76.1	76.1	76.1	76.1	76.1
GE 4000	75.5	76.1	77.2	77.7	78.4	78.7	78.9	79.2	79.2	79.2	79.2	79.2
GE 3500	76.3	77.0	78.1	78.6	79.2	79.6	79.8	80.1	80.1	80.1	80.1	80.1
GE 3000	76.8	77.4	78.6	79.1	80.1	80.4	80.6	81.0	81.0	81.0	81.0	81.0
GE 2500	77.3	78.0	79.1	79.7	80.6	81.1	81.3	81.6	81.6	81.6	81.6	81.6
GE 2000	78.6	79.2	80.4	81.0	81.9	82.5	82.7	83.0	83.0	83.0	83.0	83.0
GE 1800	79.1	79.8	81.0	81.5	82.6	83.1	83.3	83.7	83.7	83.7	83.7	83.7
GE 1500	80.2	80.9	82.0	82.6	83.7	84.2	84.4	84.7	84.7	84.7	84.7	84.7
GE 1200	81.0	81.6	82.9	83.4	84.5	85.1	85.4	85.7	85.7	85.7	85.7	85.7
GE 1000	81.4	82.0	83.4	84.0	85.3	85.8	86.2	86.6	86.6	86.6	86.6	86.6
GE 900	81.8	82.6	84.1	84.6	86.1	86.7	87.1	87.4	87.4	87.4	87.4	87.4
GE 800	82.2	82.9	84.4	84.9	86.5	87.0	87.4	87.7	87.7	87.7	87.7	87.7
GE 700	82.5	83.2	84.8	85.4	86.9	87.4	88.0	88.3	88.3	88.3	88.3	88.3
GE 600	82.7	83.4	85.1	85.6	87.2	87.8	88.4	88.7	88.7	88.7	88.7	88.7
GE 500	82.7	83.5	85.5	86.2	88.4	89.1	90.0	90.6	90.6	90.6	90.6	90.6
GE 400	82.8	83.7	86.0	86.8	89.0	89.8	91.0	91.9	92.2	92.2	92.2	92.2
GE 300	82.9	83.9	86.2	87.1	89.7	90.5	91.9	93.5	93.9	94.4	94.4	94.4
GE 200	82.9	84.0	86.3	87.2	90.0	90.9	92.5	94.8	95.6	96.7	97.0	97.1
GE 100	82.9	84.0	86.3	87.3	90.1	91.0	92.6	94.9	95.7	97.0	97.5	97.6
GE 000	82.9	84.0	86.3	87.3	90.1	91.0	92.6	94.9	95.7	97.0	97.5	97.6

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
ST TO UTC: + 5 — MONTH: MAY HOURS: 00-02

	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
.1	56.2	56.5	56.6	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1	57.1
.3	60.4	60.6	60.8	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.3	61.3	61.3
.4	60.5	60.8	60.9	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4
.	60.5	60.8	60.9	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4
.5	60.6	60.9	61.0	61.2	61.4	61.4	61.4	61.4	61.4	61.4	61.5	61.5	61.5
.9	62.0	62.3	62.4	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.9	62.9	62.9
.3	65.5	65.7	65.8	66.0	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3
.	66.0	66.2	66.3	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.9	66.9	66.9
.5	68.8	69.0	69.1	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.7	69.7	69.7
.	70.3	70.5	70.6	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.2	71.2	71.2
.7	72.2	72.4	72.5	72.7	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0
.2	73.7	73.9	74.0	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.5	74.5	74.5
.5	75.4	75.6	75.7	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2
.2	77.7	78.4	78.7	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.4	79.4	79.4
.1	78.6	79.2	79.6	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2
.5	79.1	80.1	80.4	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1
.1	79.7	80.6	81.1	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7
.4	81.0	81.9	82.5	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1
.5	81.5	82.6	83.1	83.3	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8
.2	82.5	83.7	84.2	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.8	84.8	84.8
.7	83.4	84.5	85.1	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8
.4	84.0	85.3	85.8	86.2	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7
.1	84.6	86.1	86.7	87.1	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5
.4	84.9	86.5	87.0	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.8	87.8	87.8
.	85.4	86.9	87.4	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4
.1	85.6	87.2	87.8	88.4	88.7	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8
.5	86.2	88.4	89.1	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.8	90.8	90.8
.2	86.8	89.0	89.8	91.0	91.9	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3
.2	87.1	89.7	90.5	91.9	93.5	93.9	94.4	94.4	94.4	94.4	94.5	94.5	94.5
.3	87.2	90.0	90.9	92.5	94.8	95.6	96.7	97.0	97.1	97.4	97.6	98.4	98.7
.3	87.3	90.1	91.0	92.6	94.9	95.7	97.0	97.5	97.6	98.4	98.6	99.5	100.0
.3	87.3	90.1	91.0	92.6	94.9	95.7	97.0	97.5	97.6	98.4	98.6	99.5	100.0

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: MAY HOURS: 03

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	52.4	52.6	53.5	54.0	54.3	54.4	54.5	54.7	54.7	54.8	54.8	54.8
GE 20000	56.8	57.1	58.1	58.5	58.8	58.9	59.0	59.2	59.2	59.4	59.4	59.4
GE 18000	56.8	57.1	58.1	58.5	58.8	58.9	59.0	59.2	59.2	59.4	59.4	59.4
GE 16000	56.9	57.2	58.2	58.6	58.9	59.0	59.1	59.4	59.4	59.5	59.5	59.5
GE 14000	57.3	57.6	58.6	59.0	59.4	59.5	59.6	59.8	59.8	59.9	59.9	59.9
GE 12000	57.6	58.0	58.9	59.4	59.7	59.8	59.9	60.1	60.1	60.2	60.2	60.2
GE 10000	61.0	61.4	62.5	63.0	63.5	63.7	63.8	64.2	64.2	64.3	64.3	64.3
GE 9000	61.4	61.8	62.9	63.4	64.1	64.2	64.3	64.7	64.7	64.8	64.8	64.8
GE 8000	62.7	63.1	64.2	64.7	65.4	65.5	65.6	66.0	66.1	66.2	66.2	66.2
GE 7000	64.1	64.5	65.7	66.3	67.0	67.1	67.2	67.6	67.7	67.8	67.8	67.8
GE 6000	64.5	64.9	66.1	66.7	67.4	67.5	67.6	68.1	68.2	68.3	68.3	68.3
GE 5000	66.1	66.6	67.8	68.5	69.2	69.4	69.6	70.1	70.3	70.4	70.4	70.4
GE 4500	67.4	68.0	69.2	69.9	70.6	70.8	71.0	71.5	71.7	71.8	71.8	71.8
GE 4000	70.4	71.0	72.4	73.0	73.8	73.9	74.2	74.8	75.1	75.2	75.2	75.2
GE 3500	71.5	72.0	73.4	74.2	75.1	75.2	75.6	76.2	76.5	76.6	76.6	76.6
GE 3000	72.6	73.2	74.9	75.9	76.8	76.9	77.3	78.0	78.2	78.3	78.3	78.3
GE 2500	73.8	74.8	75.7	76.8	77.6	77.7	78.2	78.8	79.0	79.1	79.1	79.1
GE 2000	75.3	75.9	77.6	78.5	79.7	79.8	80.2	80.9	81.1	81.2	81.2	81.2
GE 1800	76.2	76.9	78.6	79.5	80.6	80.8	81.2	81.8	82.0	82.2	82.2	82.2
GE 1500	77.7	78.4	80.2	81.6	82.6	82.7	83.3	84.0	84.2	84.3	84.3	84.3
GE 1200	79.1	79.7	80.5	81.9	82.9	83.0	83.7	84.3	84.5	84.6	84.6	84.6
GE 1000	78.8	79.5	81.3	82.7	83.9	84.1	84.8	85.6	85.8	85.9	85.9	85.9
GE 900	79.1	79.8	81.6	83.1	84.4	84.7	85.5	86.2	86.5	86.6	86.6	86.6
GE 800	79.5	80.1	81.9	83.4	84.7	85.1	85.9	86.6	86.8	86.9	86.9	86.9
GE 700	79.9	80.5	82.4	84.1	85.4	85.7	86.6	87.3	87.5	87.6	87.6	87.6
GE 600	80.6	81.3	83.2	85.1	86.3	86.7	87.6	88.4	88.6	88.7	88.7	88.7
GE 500	81.6	82.5	84.5	86.7	88.3	88.7	90.0	90.9	91.1	91.2	91.2	91.2
GE 400	81.7	82.6	84.6	86.9	88.7	89.1	91.0	92.2	92.7	92.8	92.8	92.8
GE 300	81.7	82.6	84.6	86.9	89.2	89.4	91.4	93.2	94.1	94.5	94.6	94.6
GE 200	81.7	82.6	84.6	86.9	89.2	89.7	92.0	94.2	95.2	95.9	96.5	96.6
GE 100	81.7	82.6	84.6	86.9	89.2	89.7	92.2	94.4	95.4	96.2	96.9	97.0
GE 000	81.7	82.6	84.6	86.9	89.2	89.7	92.2	94.4	95.4	96.2	96.9	97.0

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: MAY HOURS: 03-05

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES											
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	54.0	54.3	54.4	54.5	54.7	54.7	54.8	54.8	54.8	55.1	55.1	55.2	55.2
	58.5	58.8	58.9	59.0	59.2	59.2	59.4	59.4	59.4	59.6	59.6	59.7	59.7
	58.5	58.8	58.9	59.0	59.2	59.2	59.4	59.4	59.4	59.6	59.6	59.7	59.7
	58.6	58.9	59.0	59.1	59.4	59.4	59.5	59.5	59.5	59.7	59.7	59.8	59.8
	59.0	59.4	59.5	59.6	59.8	59.8	59.9	59.9	59.9	60.1	60.1	60.2	60.2
	59.4	59.7	59.8	59.9	60.1	60.1	60.2	60.2	60.2	60.4	60.4	60.5	60.5
	63.0	63.5	63.7	63.8	64.2	64.2	64.3	64.3	64.3	64.5	64.5	64.6	64.6
	63.4	64.1	64.2	64.3	64.7	64.7	64.8	64.8	64.8	65.1	65.1	65.2	65.2
	64.7	65.4	65.5	65.6	66.0	66.1	66.2	66.2	66.2	66.5	66.5	66.6	66.6
	66.8	67.0	67.1	67.2	67.6	67.7	67.8	67.8	67.8	68.1	68.1	68.2	68.2
	67.4	67.4	67.5	67.6	68.1	68.2	68.3	68.3	68.3	68.5	68.5	68.6	68.6
	69.5	69.2	69.4	69.6	70.1	70.3	70.4	70.4	70.4	70.6	70.6	70.8	70.8
	70.9	70.6	70.8	71.0	71.5	71.7	71.8	71.8	71.8	72.0	72.0	72.2	72.2
	73.0	73.3	73.9	74.2	74.8	75.1	75.2	75.2	75.2	75.4	75.4	75.5	75.5
	74.2	75.1	75.2	75.6	76.2	76.5	76.6	76.6	76.6	76.8	76.8	76.9	76.9
	75.9	76.8	76.9	77.3	78.0	78.2	78.3	78.3	78.3	78.5	78.5	78.6	78.6
	76.9	77.6	77.7	78.2	78.8	79.0	79.1	79.1	79.1	79.4	79.4	79.5	79.5
	79.5	79.7	79.8	80.2	80.9	81.1	81.2	81.2	81.2	81.4	81.4	81.5	81.5
	80.	80.6	80.8	81.2	81.8	82.0	82.2	82.2	82.2	82.4	82.4	82.5	82.5
	82.5	82.6	82.7	83.3	84.0	84.2	84.3	84.3	84.3	84.5	84.5	84.6	84.6
	82.9	82.9	83.0	83.7	84.3	84.5	84.6	84.6	84.6	84.8	84.8	84.9	84.9
	83.7	83.9	84.1	84.8	85.6	85.8	85.9	85.9	85.9	86.1	86.1	86.2	86.2
	84.1	84.4	84.7	85.5	86.2	86.5	86.6	86.6	86.6	86.8	86.8	86.9	86.9
	84.4	84.7	85.1	85.8	86.5	86.8	86.9	86.9	86.9	87.1	87.1	87.2	87.2
	85.1	85.4	85.7	86.6	87.3	87.5	87.6	87.6	87.6	87.8	87.8	88.0	88.0
	86.1	86.3	86.7	87.6	88.4	88.6	88.7	88.7	88.7	88.9	88.9	89.0	89.0
	88.7	88.3	88.7	90.0	90.9	91.1	91.2	91.2	91.2	91.4	91.4	91.5	91.5
	89.0	88.7	89.1	91.0	92.2	92.7	92.8	92.8	92.8	93.0	93.0	93.1	93.1
	89.4	89.9	89.4	91.4	93.2	94.1	94.5	94.6	94.6	95.1	95.1	95.2	95.2
	89.7	89.2	89.7	92.0	94.2	95.2	95.9	96.5	96.6	97.3	97.4	97.7	98.2
	89.7	89.2	89.7	92.2	94.4	95.4	96.2	96.9	97.0	98.1	98.2	99.1	100.0
	89.7	89.2	89.7	92.2	94.4	95.4	96.2	96.9	97.0	98.1	98.2	99.1	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AL
LST TO UTC: + 5 — MONTH: MAY HOURS: C

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	45.8	46.5	46.8	47.0	47.4	47.6	47.7	47.7	47.7	47.8	48.0	48.0
GE 20000	52.6	53.2	53.8	54.0	54.6	54.8	54.9	54.9	54.9	55.1	55.2	55.2
GE 18000	52.9	53.7	54.2	54.4	55.1	55.3	55.5	55.5	55.5	55.6	55.7	55.7
GE 16000	53.1	53.9	54.4	54.6	55.3	55.5	55.7	55.7	55.7	55.8	55.9	55.9
GE 14000	53.3	54.1	54.6	54.8	55.5	55.7	55.9	55.9	55.9	56.0	56.1	56.1
GE 12000	54.1	54.9	55.5	55.8	56.5	56.7	56.9	56.9	56.9	57.0	57.1	57.1
GE 10000	56.7	57.5	58.1	58.7	59.5	59.7	59.9	59.9	60.0	60.1	60.2	60.2
GE 9000	57.4	58.3	58.8	59.5	60.2	60.4	60.8	60.8	60.9	61.0	61.1	61.1
GE 8000	59.3	60.6	61.2	62.0	62.8	63.0	63.4	63.4	63.5	63.7	63.8	63.8
GE 7000	62.3	63.1	64.0	64.8	65.7	66.0	66.6	66.6	66.7	66.8	66.9	66.9
GE 6000	63.0	63.9	64.7	66.0	67.0	67.3	67.8	67.8	68.0	68.1	68.2	68.2
GE 5000	64.9	65.9	66.9	68.2	69.7	70.1	70.6	70.8	71.0	71.1	71.2	71.2
GE 4500	65.8	66.8	67.8	69.1	70.6	71.1	71.8	71.9	72.2	72.3	72.4	72.4
GE 4000	68.3	69.2	70.4	71.7	73.2	73.7	74.4	74.7	75.1	75.2	75.3	75.3
GE 3500	68.8	70.0	71.2	72.5	74.0	74.4	75.2	75.6	75.9	76.0	76.1	76.1
GE 3000	70.4	71.7	72.9	74.2	75.7	76.3	77.1	77.5	77.8	78.0	78.1	78.1
GE 2500	71.2	72.5	73.3	75.1	76.9	77.5	78.3	78.7	79.0	79.1	79.2	79.2
GE 2000	73.1	74.5	75.3	77.1	78.9	79.7	80.4	80.9	81.2	81.3	81.4	81.4
GE 1800	73.4	74.8	76.1	77.5	79.4	80.1	80.9	81.3	81.6	81.7	81.8	81.8
GE 1500	74.9	76.5	77.8	79.7	81.7	82.5	83.2	83.7	84.0	84.1	84.2	84.2
GE 1200	76.5	78.0	79.7	81.5	83.7	84.4	85.3	85.7	86.0	86.1	86.2	86.2
GE 1000	77.7	79.2	81.2	83.0	85.5	86.3	87.3	87.7	88.1	88.2	88.3	88.3
GE 900	78.3	79.9	81.7	83.7	86.3	87.2	88.2	88.6	88.9	89.0	89.1	89.1
GE 800	78.5	80.0	82.2	84.1	86.8	87.6	88.7	89.1	89.5	89.6	89.7	89.7
GE 700	78.8	80.3	82.5	84.6	87.7	88.7	89.9	90.3	90.6	90.8	90.9	90.9
GE 600	79.0	80.5	82.7	84.9	88.3	89.2	90.4	90.9	91.2	91.3	91.4	91.4
GE 500	79.1	80.6	82.8	85.1	88.5	89.6	91.4	91.8	92.3	92.4	92.5	92.5
GE 400	79.4	80.9	83.0	85.3	88.8	90.0	92.4	93.1	93.5	93.8	93.9	93.9
GE 300	79.5	81.0	83.1	85.4	89.5	90.6	93.3	94.2	95.4	95.8	96.0	96.1
GE 200	79.5	81.0	83.1	85.4	89.5	90.6	93.7	94.6	96.0	96.7	97.0	97.1
GE 100	79.5	81.0	83.1	85.4	89.5	90.6	93.7	94.6	96.0	96.7	97.1	97.3
GE 000	79.5	81.0	83.1	85.4	89.5	90.6	93.7	94.6	96.0	96.7	97.1	97.3

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

TION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: MAY HOURS: 06-08

CEILING	VISIBILITY IN STATUTE MILES											
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	47.0	47.4	47.6	47.7	47.7	47.7	47.8	48.0	48.0	48.1	48.1	48.2	48.2
	54.0	54.6	54.8	54.9	54.9	54.9	55.1	55.2	55.2	55.3	55.3	55.5	55.5
	54.4	55.1	55.3	55.5	55.5	55.5	55.6	55.7	55.7	55.8	55.8	56.0	56.0
	54.6	55.3	55.5	55.7	55.7	55.7	55.8	55.9	55.9	56.0	56.0	56.2	56.2
	54.8	55.5	55.7	55.9	55.9	55.9	56.0	56.1	56.1	56.2	56.2	56.5	56.5
	55.8	56.5	56.7	56.9	56.9	56.9	57.0	57.1	57.1	57.2	57.2	57.4	57.4
	58.7	59.5	59.7	59.9	59.9	60.0	60.1	60.2	60.2	60.3	60.3	60.5	60.6
	59.5	60.2	60.4	60.8	60.8	60.9	61.0	61.1	61.1	61.2	61.2	61.4	61.5
	62.0	62.8	63.0	63.4	63.4	63.5	63.7	63.8	63.8	63.9	63.9	64.1	64.2
	64.8	65.7	66.0	66.6	66.6	66.7	66.8	66.9	66.9	67.0	67.0	67.2	67.3
	66.0	67.0	67.3	67.8	67.8	68.0	68.1	68.2	68.2	68.3	68.3	68.5	68.6
	68.2	69.7	70.1	70.6	70.8	71.0	71.1	71.2	71.2	71.3	71.3	71.5	71.6
	69.1	70.6	71.1	71.8	71.9	72.2	72.3	72.4	72.4	72.5	72.5	72.7	72.8
	71.7	73.2	73.7	74.4	74.7	75.1	75.2	75.3	75.3	75.4	75.4	75.6	75.7
	72.5	74.0	74.4	75.2	75.6	75.9	76.0	76.1	76.1	76.2	76.2	76.5	76.6
	74.2	75.7	76.3	77.1	77.5	77.8	78.0	78.1	78.1	78.2	78.2	78.4	78.6
	75.1	75.8	77.5	78.3	78.7	79.0	79.1	79.2	79.2	79.4	79.4	79.6	79.8
	77.1	78.9	79.7	80.4	80.9	81.2	81.3	81.4	81.4	81.5	81.5	81.7	81.9
	77.5	79.4	80.1	80.9	81.3	81.6	81.7	81.8	81.8	81.9	81.9	82.2	82.4
	79.7	81.7	82.5	83.2	83.7	84.0	84.1	84.2	84.2	84.3	84.3	84.5	84.7
	81.5	83.7	84.4	85.3	85.7	86.0	86.1	86.2	86.2	86.3	86.3	86.6	86.8
	83.0	85.5	86.3	87.3	87.7	88.1	88.2	88.3	88.3	88.4	88.4	88.6	88.8
	83.7	86.3	87.2	88.2	88.6	88.9	89.0	89.1	89.1	89.2	89.2	89.5	89.7
	84.1	86.8	87.6	88.7	89.1	89.5	89.6	89.7	89.7	89.8	89.8	90.0	90.2
	84.6	87.7	88.7	89.9	90.3	90.6	90.8	90.9	90.9	91.0	91.0	91.2	91.4
	84.9	88.3	89.2	90.4	90.9	91.2	91.3	91.4	91.4	91.5	91.5	91.7	91.9
	86.1	88.5	89.6	91.4	91.8	92.3	92.4	92.5	92.5	92.6	92.6	92.8	93.0
	86.3	88.8	90.0	92.4	93.1	93.5	93.8	93.9	93.9	94.1	94.1	94.3	94.5
	86.4	89.5	90.6	93.3	94.2	95.4	95.8	96.0	96.1	96.5	96.6	96.8	97.0
	86.4	89.5	90.6	93.7	94.6	96.0	96.7	97.0	97.1	97.7	98.0	98.3	98.8
	86.4	89.5	90.6	93.7	94.6	96.0	96.7	97.1	97.3	98.0	98.2	99.1	100.0
	86.4	89.5	90.6	93.7	94.6	96.0	96.7	97.1	97.3	98.0	98.2	99.1	100.0

930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AL
LST TO UTC: + 5 MONTH: MAY HOURS: (

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	44.1	45.4	45.7	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 20000	53.1	54.4	54.7	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 18000	53.3	54.6	54.9	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 16000	53.8	55.1	55.4	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 14000	53.9	55.2	55.5	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 12000	54.6	56.1	56.5	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 10000	57.2	58.7	59.1	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 9000	57.8	59.4	59.8	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 8000	59.8	61.3	61.7	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 7000	61.1	62.7	63.3	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 6000	63.4	65.2	66.0	66.9	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3
GE 5000	64.9	66.8	67.6	68.5	68.9	68.9	69.5	69.5	69.5	69.5	69.5	69.5
GE 4500	65.6	67.4	68.5	69.4	69.8	69.8	70.5	70.5	70.5	70.5	70.5	70.5
GE 4000	67.3	69.1	70.2	71.1	71.7	71.7	72.5	72.5	72.5	72.5	72.5	72.5
GE 3500	68.3	70.1	71.2	72.2	72.9	72.9	73.7	73.7	73.7	73.7	73.7	73.7
GE 3000	70.5	72.4	73.5	74.5	75.3	75.3	76.0	76.1	76.1	76.1	76.1	76.1
GE 2500	72.6	74.4	75.6	76.6	77.4	77.4	78.2	78.3	78.3	78.3	78.3	78.3
GE 2000	74.5	76.5	78.0	78.9	79.9	79.9	80.8	80.9	81.0	81.1	81.2	81.2
GE 1800	74.7	76.7	78.2	79.1	80.1	80.1	81.0	81.2	81.3	81.4	81.5	81.5
GE 1500	77.7	79.9	81.5	82.6	83.8	83.9	84.8	85.2	85.3	85.4	85.5	85.5
GE 1200	78.9	81.2	83.0	84.1	85.4	85.5	86.5	86.8	86.9	87.0	87.1	87.1
GE 1000	79.8	82.0	84.0	85.2	86.6	86.8	87.7	88.1	88.2	88.3	88.4	88.4
GE 900	80.4	82.7	84.6	86.0	87.4	87.7	88.7	89.0	89.1	89.2	89.4	89.4
GE 800	81.2	83.4	85.7	87.2	88.7	89.1	90.2	90.5	90.6	90.8	90.9	90.9
GE 700	81.4	83.7	86.0	87.5	89.1	89.9	91.3	91.7	91.8	91.9	92.0	92.0
GE 600	81.7	84.0	86.5	88.0	89.8	90.5	92.0	92.5	92.6	92.7	92.8	92.8
GE 500	81.9	84.3	86.8	88.4	90.5	91.7	93.4	94.2	94.6	94.7	94.9	94.9
GE 400	81.9	84.3	87.0	88.6	91.0	92.6	94.7	95.8	96.5	96.7	96.9	96.9
GE 300	81.9	84.3	87.0	88.9	91.4	93.1	95.3	96.8	97.7	98.1	98.4	98.5
GE 200	81.9	84.3	87.0	88.9	91.4	93.1	95.3	96.9	98.1	98.4	98.8	98.9
GE 100	81.9	84.3	87.0	88.9	91.4	93.1	95.3	96.9	98.3	98.6	99.0	99.2
GE 000	81.9	84.3	87.0	88.9	91.4	93.1	95.3	96.9	98.3	98.6	99.0	99.2

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
EST TO UTC: + 5 MONTH: MAY HOURS: 09-11

	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
7	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
7	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
9	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
4	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
	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
3	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
1	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
3	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
7	62.4	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
5	64.0	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
	66.9	67.2	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
5	68.5	68.9	68.9	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
5	69.4	69.8	69.8	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
1	71.1	71.7	71.7	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
2	72.2	72.9	72.9	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
5	74.5	75.3	75.3	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
3	76.6	77.4	77.4	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
2	78.9	79.9	79.9	80.8	80.9	81.0	81.1	81.2	81.2	81.2	81.2	81.2	81.2
2	79.1	80.1	80.1	81.0	81.2	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5
5	82.6	83.8	83.9	84.8	85.2	85.3	85.4	85.5	85.5	85.5	85.5	85.5	85.5
4	84.1	85.4	85.5	86.5	86.8	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1
9	85.2	86.6	86.8	87.7	88.1	88.2	88.3	88.4	88.4	88.4	88.4	88.4	88.4
5	86.0	87.4	87.7	88.7	89.0	89.1	89.2	89.4	89.4	89.4	89.4	89.4	89.4
7	87.2	88.7	89.1	90.2	90.5	90.6	90.8	90.9	90.9	90.9	90.9	90.9	90.9
2	87.5	89.1	89.9	91.3	91.7	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0
5	88.0	89.8	90.5	92.0	92.5	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8
3	88.4	90.5	91.7	93.4	94.2	94.6	94.7	94.9	94.9	94.9	94.9	94.9	94.9
3	88.6	91.0	92.6	94.7	95.8	96.5	96.7	96.9	96.9	96.9	96.9	96.9	96.9
4	88.9	91.4	93.1	95.3	96.8	97.7	98.1	98.4	98.5	98.5	98.6	98.6	98.6
4	88.9	91.4	93.1	95.3	96.9	98.1	98.4	98.8	98.9	99.0	99.2	99.4	99.4
4	88.9	91.4	93.1	95.3	96.9	98.3	98.6	99.0	99.2	99.4	99.7	100.0	100.0
	88.9	91.4	93.1	95.3	96.9	98.3	98.6	99.0	99.2	99.4	99.7	100.0	100.0

930

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG
LST TO UTC: + 5 — MONTH: MAY — HOURS: 12-

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	45.3	45.8	45.8	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	4
GE 20000	55.3	55.8	56.1	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	5
GE 18000	55.3	55.8	56.3	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	5
GE 16000	55.3	55.8	56.3	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	5
GE 14000	55.9	56.5	57.0	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	5
GE 12000	56.9	57.5	58.1	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	5
GE 10000	58.6	59.2	60.0	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	6
GE 9000	59.4	60.0	60.8	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	6
GE 8000	61.2	61.8	62.7	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	6
GE 7000	62.8	63.5	64.4	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	6
GE 6000	64.4	65.3	66.1	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	6
GE 5000	66.5	67.3	68.2	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	6
GE 4500	67.6	68.6	69.5	69.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	7
GE 4000	71.2	72.2	73.4	73.9	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	7
GE 3500	73.2	74.2	75.6	76.1	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	7
GE 3000	76.5	77.4	78.8	79.4	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	8
GE 2500	77.3	78.4	79.9	80.4	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	8
GE 2000	79.9	81.0	82.5	83.0	83.9	83.9	83.9	84.1	84.3	84.3	84.3	84.3	8
GE 1800	80.4	81.5	83.1	83.7	84.5	84.5	84.5	84.7	84.9	84.9	84.9	84.9	8
GE 1500	82.7	83.8	86.0	86.6	87.6	87.6	87.6	87.8	88.1	88.1	88.1	88.1	8
GE 1200	84.0	85.1	87.4	88.0	89.1	89.4	89.4	89.6	89.8	89.8	89.8	89.8	9
GE 1000	84.4	85.5	87.8	88.4	89.8	90.0	90.1	90.3	90.5	90.5	90.5	90.5	9
GE 900	84.9	86.0	88.4	88.9	90.3	90.5	90.6	91.0	91.2	91.2	91.2	91.2	9
GE 800	85.2	86.2	88.6	89.2	90.6	90.9	91.1	91.4	91.6	91.6	91.6	91.6	9
GE 700	85.5	86.6	89.0	89.9	91.3	91.6	92.0	92.4	92.6	92.6	92.6	92.6	9
GE 600	85.8	86.9	89.5	90.5	92.2	92.6	93.0	93.4	93.7	93.7	93.7	93.7	9
GE 500	86.0	87.2	90.1	91.7	93.3	94.1	94.7	95.8	96.5	96.5	96.7	96.7	9
GE 400	86.0	87.3	90.2	91.9	94.0	94.8	95.6	97.0	97.7	97.7	98.1	98.1	9
GE 300	86.0	87.3	90.2	92.0	94.1	94.9	95.7	97.3	98.3	98.3	98.6	98.6	9
GE 200	86.0	87.3	90.2	92.0	94.1	95.1	95.9	97.8	98.9	99.0	99.5	99.5	9
GE 100	86.0	87.3	90.2	92.0	94.1	95.1	95.9	97.8	98.9	99.0	99.5	99.5	9
GE 000	86.0	87.3	90.2	92.0	94.1	95.1	95.9	97.8	98.9	99.0	99.5	99.5	9

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

TION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 MONTH: MAY HOURS: 12-14

CEILING	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
	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
	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
	69.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
	73.9	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
	76.1	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
	79.4	80.0	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
	80.4	81.1	81.1	81.1	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
	83.0	83.9	83.9	83.9	84.1	84.3	84.3	84.3	84.3	84.6	84.6	84.6	84.6
	83.7	84.5	84.5	84.5	84.7	84.9	84.9	84.9	84.9	85.3	85.3	85.3	85.3
	86.6	87.6	87.6	87.6	87.8	88.1	88.1	88.1	88.1	88.4	88.4	88.4	88.4
	88.0	89.1	89.4	89.4	89.6	89.8	89.8	89.8	89.8	90.1	90.1	90.1	90.1
	88.4	89.8	90.0	90.1	90.3	90.5	90.5	90.5	90.5	90.9	90.9	90.9	90.9
	88.9	90.3	90.5	90.6	91.0	91.2	91.2	91.2	91.2	91.5	91.5	91.5	91.5
	89.2	90.6	90.9	91.1	91.4	91.6	91.6	91.6	91.6	91.9	91.9	91.9	91.9
	89.9	91.3	91.6	92.0	92.4	92.6	92.6	92.6	92.6	92.9	92.9	92.9	92.9
	90.5	92.2	92.6	93.0	93.4	93.7	93.7	93.7	93.7	94.0	94.0	94.0	94.0
	91.7	93.3	94.1	94.7	95.8	96.5	96.5	96.7	96.7	97.0	97.0	97.0	97.0
	91.9	94.0	94.8	95.6	97.0	97.7	97.7	98.1	98.1	98.4	98.4	98.4	98.4
	92.0	94.1	94.9	95.7	97.3	98.3	98.3	98.6	98.6	99.0	99.0	99.0	99.0
	92.0	94.1	95.1	95.9	97.8	98.9	99.0	99.5	99.5	99.9	99.9	99.9	99.9
	92.0	94.1	95.1	95.9	97.8	98.9	99.0	99.5	99.5	99.9	99.9	99.9	100.0
	92.0	94.1	95.1	95.9	97.8	98.9	99.0	99.5	99.5	99.9	99.9	99.9	100.0

930

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD:
LST TO UTC: + 5 — MONTH: MAY — HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	45.3	45.6	45.9	46.0	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 20000	56.2	56.7	57.3	57.4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 18000	56.7	57.1	57.7	57.8	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 16000	57.1	57.5	58.2	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 14000	58.2	58.6	59.2	59.4	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 12000	59.5	59.9	60.8	60.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 10000	61.8	62.3	63.1	63.2	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 9000	62.6	63.0	63.9	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 8000	65.7	56.1	67.0	67.1	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
GE 7000	67.2	67.6	68.5	68.6	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 6000	68.2	68.7	69.7	69.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 5000	71.4	72.0	73.0	73.2	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 4500	73.7	74.4	75.4	75.6	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 4000	76.2	77.0	78.3	78.5	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 3500	78.2	78.9	80.5	80.8	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
GE 3000	80.1	80.9	82.6	82.8	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 2500	81.4	82.3	84.2	84.6	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 2000	83.7	84.5	86.6	87.1	87.6	87.7	87.7	87.7	88.1	88.1	88.1	88.1
GE 1800	84.3	85.2	87.2	87.8	88.4	88.5	88.7	88.7	89.0	89.0	89.0	89.0
GE 1500	85.7	86.6	88.8	89.8	90.5	90.8	91.0	91.0	91.3	91.3	91.3	91.3
GE 1200	86.3	87.2	89.6	90.5	91.3	91.5	91.7	91.7	92.0	92.0	92.0	92.0
GE 1000	86.9	87.7	90.1	91.2	92.3	92.5	92.7	92.7	93.0	93.0	93.0	93.0
GE 900	86.9	87.7	90.1	91.2	92.3	92.5	92.7	92.8	93.1	93.1	93.1	93.1
GE 800	87.0	87.8	90.3	91.5	92.6	92.8	93.0	93.1	93.4	93.4	93.4	93.4
GE 700	87.6	88.5	91.3	92.5	93.8	94.0	94.2	94.3	94.6	94.6	94.6	94.6
GE 600	87.7	88.6	91.4	92.6	93.9	94.1	94.3	94.4	94.7	94.7	94.7	94.7
GE 500	87.8	88.7	91.6	92.9	94.4	94.6	95.3	96.0	96.3	96.5	96.6	96.6
GE 400	88.0	88.8	92.0	93.4	94.9	95.3	96.0	97.1	97.4	97.6	97.8	97.8
GE 300	88.0	88.8	92.0	93.7	95.4	95.7	96.7	98.0	98.5	98.7	98.9	98.9
GE 200	88.0	88.8	92.0	93.7	95.5	95.8	96.9	98.3	98.9	99.1	99.6	99.7
GE 100	88.0	88.8	92.0	93.7	95.5	95.8	96.9	98.3	98.9	99.1	99.6	99.7
GE 000	88.0	88.8	92.0	93.7	95.5	95.8	96.9	98.3	98.9	99.1	99.6	99.7

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: MAY HOURS: 15-17

VISIBILITY IN STATUTE MILES											
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	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
58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
87.6	87.7	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
88.4	88.5	88.7	88.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
90.5	90.8	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
91.3	91.5	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
92.3	92.5	92.7	92.7	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
92.3	92.5	92.7	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
92.6	92.8	93.0	93.1	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
93.8	94.0	94.2	94.3	94.6	94.6	94.6	94.6	94.7	94.7	94.7	94.7
93.9	94.1	94.3	94.4	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8
94.4	94.6	95.3	96.0	96.3	96.5	96.6	96.6	96.8	96.8	96.8	96.8
94.9	95.3	96.0	97.1	97.4	97.6	97.8	97.8	98.1	98.1	98.1	98.1
95.4	95.7	96.7	98.0	98.5	98.7	98.9	98.9	99.1	99.1	99.1	99.1
95.5	95.8	96.9	98.3	98.9	99.1	99.6	99.7	100.0	100.0	100.0	100.0
95.5	95.8	96.9	98.3	98.9	99.1	99.6	99.7	100.0	100.0	100.0	100.0
95.5	95.8	96.9	98.3	98.9	99.1	99.6	99.7	100.0	100.0	100.0	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIB
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 — MONTH: MAY — HOURS: 18-2

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	G 1/
NO CEIL	50.6	51.2	51.9	52.0	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52
GE 20000	57.7	58.3	59.2	59.6	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.
GE 18000	58.5	59.0	60.0	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60
GE 16000	58.9	59.5	60.4	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61
GE 14000	60.0	60.6	61.6	61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.
GE 12000	62.0	62.7	63.9	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.
GE 10000	66.1	66.8	68.1	68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.
GE 9000	66.9	67.5	68.8	69.2	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.
GE 8000	70.2	70.9	72.4	72.9	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.
GE 7000	73.1	73.8	75.4	75.9	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.
GE 6000	74.5	75.2	76.9	77.5	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.
GE 5000	76.5	77.3	79.2	80.3	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.
GE 4500	77.3	78.3	80.2	81.3	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.
GE 4000	78.8	79.8	81.8	83.1	83.8	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.
GE 3500	79.4	80.3	82.4	83.7	84.3	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.
GE 3000	80.2	81.2	83.3	84.6	85.4	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.
GE 2500	81.1	82.0	84.2	85.6	86.3	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.
GE 2000	82.6	83.5	85.8	87.2	88.2	88.7	88.9	88.9	89.1	89.1	89.1	89.1	89.
GE 1800	83.0	84.0	86.2	87.6	88.6	89.1	89.4	89.4	89.6	89.6	89.6	89.6	89.
GE 1500	84.2	85.2	87.4	88.8	89.9	90.4	90.6	90.6	90.9	90.9	90.9	90.9	90.
GE 1200	85.3	86.3	88.7	90.2	91.3	91.8	92.0	92.0	92.3	92.3	92.3	92.3	92.
GE 1000	85.4	86.5	88.8	90.3	91.4	91.9	92.3	92.3	92.5	92.5	92.5	92.5	92.
GE 900	85.8	86.9	89.2	90.8	91.9	92.5	92.8	92.8	93.0	93.0	93.0	93.0	93.
GE 800	85.9	87.0	89.4	90.9	92.0	92.6	93.0	93.0	93.2	93.2	93.2	93.2	93.
GE 700	86.3	87.4	89.9	91.5	92.9	93.4	94.0	94.0	94.2	94.2	94.2	94.2	94.
GE 600	86.5	87.5	90.0	91.7	93.1	93.7	94.3	94.3	94.5	94.5	94.5	94.5	94.
GE 500	86.5	87.5	90.0	91.7	93.2	93.8	94.7	94.9	95.2	95.2	95.2	95.2	95.
GE 400	86.6	87.7	90.4	92.2	94.1	94.6	96.0	96.3	96.6	96.7	96.7	96.7	96.
GE 300	86.6	87.7	90.5	92.5	94.4	94.9	96.6	97.2	98.0	98.4	98.5	98.5	98.
GE 200	86.6	87.7	90.5	92.5	94.4	94.9	96.7	97.3	98.2	98.8	99.0	99.0	99.
GE 100	86.6	87.7	90.5	92.5	94.4	94.9	96.7	97.4	98.3	98.9	99.1	99.1	99.
GE 000	86.6	87.7	90.5	92.5	94.4	94.9	96.7	97.4	98.3	98.9	99.1	99.1	99.

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

TION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: MAY HOURS: 18-20

VISIBILITY IN STATUTE MILES

GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
52.0	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
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
60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
61.9	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
68.5	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
69.2	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
72.9	73.2	73.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
75.9	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
77.5	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
80.3	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
81.3	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
83.1	83.8	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
83.7	84.3	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
84.6	85.4	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
85.6	86.3	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
87.2	88.2	88.7	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
87.6	88.6	89.1	89.4	89.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
88.8	89.9	90.4	90.6	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
90.2	91.3	91.8	92.0	92.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
90.3	91.4	91.9	92.3	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
90.8	91.9	92.5	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
90.9	92.0	92.6	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
91.5	92.9	93.4	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
91.7	93.1	93.7	94.3	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
91.7	93.2	93.8	94.7	94.9	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
92.2	94.1	94.6	96.0	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
92.5	94.4	94.9	96.6	97.2	98.0	98.4	98.5	98.5	98.5	98.5	98.5	98.6
92.5	94.4	94.9	96.7	97.3	98.2	98.8	99.0	99.0	99.6	99.6	99.8	99.9
92.5	94.4	94.9	96.7	97.4	98.3	98.9	99.1	99.1	99.7	99.7	99.9	100.0
92.5	94.4	94.9	96.7	97.4	98.3	98.9	99.1	99.1	99.7	99.7	99.9	100.0

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OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: MAY HOURS: 21-

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	55.8	55.9	56.5	56.6	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	
GE 20000	58.8	58.9	59.8	60.0	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	
GE 18000	59.4	59.6	60.4	60.5	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	
GE 16000	59.4	59.5	60.4	60.8	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	
GE 14000	60.1	60.3	61.2	61.5	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	
GE 12000	61.8	62.4	63.2	63.7	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	
GE 10000	66.0	66.6	67.5	68.1	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	
GE 9000	66.2	66.8	67.7	68.3	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	
GE 8000	68.0	68.6	69.7	70.3	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	
GE 7000	70.6	71.3	72.4	73.0	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	
GE 6000	72.4	73.0	74.1	74.9	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	
GE 5000	74.0	74.9	76.3	77.2	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	
GE 4500	76.3	77.3	78.8	79.7	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	
GE 4000	78.6	79.6	81.1	82.0	82.7	83.1	83.2	83.2	83.2	83.2	83.2	83.2	
GE 3500	79.0	80.0	81.5	82.6	83.5	84.0	84.1	84.1	84.1	84.1	84.1	84.1	
GE 3000	80.2	81.2	82.7	84.0	85.1	85.6	85.8	85.8	85.8	85.8	85.8	85.8	
GE 2500	80.5	81.5	83.1	84.4	85.5	86.3	86.6	86.6	86.6	86.6	86.6	86.6	
GE 2000	81.5	82.5	84.1	85.5	86.6	87.5	87.7	87.7	87.7	87.7	87.7	87.7	
GE 1800	82.2	83.1	84.8	86.2	87.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	
GE 1500	83.4	84.4	86.1	87.5	88.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9	
GE 1200	84.0	84.9	86.7	88.1	89.2	90.2	90.6	90.6	90.6	90.6	90.6	90.6	
GE 1000	84.3	85.3	87.0	88.4	89.6	90.5	91.0	91.0	91.0	91.0	91.0	91.0	
GE 900	84.5	85.5	87.2	88.6	89.8	90.8	91.2	91.2	91.2	91.2	91.2	91.2	
GE 800	84.7	85.7	87.4	89.0	90.2	91.2	91.8	91.8	91.8	91.8	91.8	91.8	
GE 700	85.1	86.0	87.7	89.4	90.9	91.9	92.7	92.7	92.7	92.7	92.7	92.7	
GE 600	85.2	86.1	88.0	89.6	91.2	92.3	93.0	93.0	93.0	93.0	93.0	93.0	
GE 500	85.3	86.2	88.2	89.8	91.5	92.6	93.5	93.9	93.9	93.9	93.9	93.9	
GE 400	85.5	86.5	88.4	90.1	91.9	93.1	94.5	94.8	94.8	94.8	94.8	94.8	
GE 300	85.6	86.6	88.5	90.3	92.2	93.3	94.8	95.8	96.0	96.1	96.1	96.1	
GE 200	85.6	86.6	88.5	90.3	92.2	93.3	94.9	95.9	96.2	96.8	97.4	97.4	
GE 100	85.6	86.6	88.5	90.3	92.2	93.3	94.9	95.9	96.5	97.3	98.0	98.0	
GE 000	85.6	86.6	88.5	90.3	92.2	93.3	94.9	95.9	96.5	97.3	98.0	98.0	

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
ST TO UTC: + 5 — MONTH: MAY HOURS: 21-23

	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
0	56.6	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
5	60.0	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
2	60.6	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
3	60.8	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
0	61.5	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
2	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
7	68.1	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
9	68.3	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
0	70.3	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
7	73.0	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
5	74.9	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
0	77.2	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
4	79.7	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
2	82.0	82.7	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
1	82.6	83.5	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
8	84.0	85.1	85.6	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
6	84.4	85.5	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
7	85.5	86.6	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
5	86.2	87.3	88.3	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
9	87.5	88.6	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
6	88.1	89.2	90.2	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
0	88.4	89.6	90.5	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2	88.6	89.8	90.8	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
4	89.0	90.2	91.2	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
7	89.4	90.9	91.9	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
0	89.6	91.2	92.3	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
2	89.8	91.5	92.6	93.5	93.9	93.9	93.9	93.9	93.9	94.0	94.0	94.0	94.0
4	90.1	91.9	93.1	94.5	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9
5	90.3	92.2	93.3	94.8	95.8	96.0	96.1	96.1	96.1	96.2	96.2	96.3	96.3
5	90.3	92.2	93.3	94.9	95.9	96.2	96.8	97.4	97.4	98.2	98.4	98.8	99.2
5	90.3	92.2	93.3	94.9	95.9	96.5	97.3	98.0	98.0	98.8	99.0	99.6	100.0
5	90.3	92.2	93.3	94.9	95.9	96.5	97.3	98.0	98.0	98.8	99.0	99.6	100.0

S 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSU
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD:
LST TO UTC: + 5 MONTH: MAY HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	G 5/
NO CEIL	49.3	49.8	50.3	50.5	50.8	50.8	50.9	50.9	50.9	51.0	51.0	51
GE 20000	56.2	56.8	57.4	57.7	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58
GE 18000	56.5	57.1	57.8	58.0	58.4	58.4	58.5	58.5	58.5	58.6	58.6	58
GE 16000	56.7	57.3	58.0	58.2	58.6	58.6	58.7	58.8	58.8	58.8	58.8	58
GE 14000	57.3	57.9	58.5	58.8	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59
GE 12000	58.4	59.1	59.8	60.1	60.5	60.6	60.6	60.7	60.7	60.7	60.7	60
GE 10000	61.4	62.1	63.0	63.4	63.8	63.8	63.9	64.0	64.0	64.0	64.0	64
GE 9000	62.0	62.7	63.6	64.0	64.4	64.4	64.6	64.6	64.7	64.7	64.7	64
GE 8000	64.3	65.0	65.9	66.4	66.8	66.9	67.0	67.1	67.1	67.1	67.2	67
GE 7000	66.2	67.0	68.0	68.5	68.9	69.0	69.1	69.2	69.2	69.3	69.3	69
GE 6000	67.6	68.4	69.4	70.1	70.6	70.7	70.8	70.9	70.9	71.0	71.0	71
GE 5000	69.5	70.4	71.5	72.3	72.9	73.0	73.2	73.3	73.4	73.4	73.4	73
GE 4500	70.9	71.8	73.1	73.9	74.4	74.5	74.8	74.9	74.9	75.0	75.0	75
GE 4000	73.3	74.2	75.6	76.4	77.1	77.3	77.6	77.8	77.8	77.9	77.9	77
GE 3500	74.3	75.3	76.7	77.6	78.4	78.6	78.9	79.1	79.2	79.2	79.2	79
GE 3000	75.9	76.9	78.4	79.3	80.2	80.5	80.8	81.0	81.0	81.1	81.1	81
GE 2500	76.8	77.9	79.4	80.4	81.3	81.7	82.0	82.2	82.3	82.3	82.3	82
GE 2000	78.6	79.7	81.3	82.3	83.3	83.7	84.0	84.3	84.4	84.5	84.5	84
GE 1800	79.2	80.2	81.9	82.9	83.9	84.3	84.7	84.9	85.1	85.1	85.1	85
GE 1500	80.6	81.9	83.8	84.9	86.0	86.5	86.9	87.1	87.3	87.3	87.4	87
GE 1200	81.7	82.9	84.8	86.0	87.2	87.6	88.1	88.3	88.5	88.5	88.5	88
GE 1000	82.3	83.5	85.5	86.6	88.0	88.5	89.0	89.3	89.4	89.5	89.5	89
GE 900	82.7	83.9	85.9	87.1	88.6	89.1	89.6	89.9	90.1	90.1	90.1	90
GE 800	83.0	84.2	86.2	87.5	89.0	89.5	90.1	90.4	90.6	90.6	90.7	90
GE 700	83.4	84.5	86.7	88.1	89.7	90.3	91.1	91.4	91.5	91.6	91.6	91
GE 600	83.6	84.8	87.0	88.5	90.2	90.9	91.6	91.9	92.1	92.2	92.2	92
GE 500	83.9	85.1	87.4	89.1	91.0	91.8	92.9	93.5	93.8	93.9	93.9	93
GE 400	84.0	85.2	87.7	89.4	91.6	92.4	93.9	94.8	95.2	95.3	95.4	95
GE 300	84.0	85.3	87.8	89.5	91.9	92.8	94.5	95.8	96.5	96.8	96.9	97
GE 200	84.0	85.3	87.8	89.6	92.0	92.9	94.7	96.2	97.1	97.7	98.1	98
GE 100	84.0	85.3	87.8	89.6	92.0	92.9	94.8	96.3	97.2	97.9	98.3	98
GE 000	84.0	85.3	87.8	89.6	92.0	92.9	94.8	96.3	97.2	97.9	98.3	98

TOTAL NUMBER OF OBSERVATIONS 7440

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
T TO UTC: + 5 — MONTH: MAY HOURS: ALL

CEILING	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	50.5	50.8	50.8	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.1	51.1
	57.7	58.0	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3
	58.0	58.4	58.4	58.5	58.5	58.5	58.6	58.6	58.6	58.6	58.6	58.7	58.7
	58.2	58.6	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9
	59.2	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.5	59.5
	60.1	60.5	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8	60.8
	63.4	63.8	63.8	63.9	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1	64.2
	64.0	64.4	64.4	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8
	66.4	66.8	66.9	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.3
	68.8	68.9	69.0	69.1	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.4	69.4
	70.1	70.6	70.7	70.8	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.1	71.1
	72.8	72.9	73.0	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5
	73.8	74.4	74.5	74.8	74.9	74.9	75.0	75.0	75.0	75.0	75.0	75.1	75.1
	75.4	77.1	77.3	77.6	77.8	77.8	77.9	77.9	77.9	77.9	77.9	78.0	78.0
	77.6	78.4	78.6	78.9	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.3	79.3
	79.8	80.2	80.5	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.2	81.2
	80.4	81.3	81.7	82.0	82.2	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4
	82.3	83.3	83.7	84.0	84.3	84.4	84.5	84.5	84.5	84.6	84.6	84.6	84.7
	82.9	83.9	84.3	84.7	84.9	85.1	85.1	85.1	85.1	85.2	85.2	85.3	85.3
	84.9	86.0	86.5	86.9	87.1	87.3	87.3	87.4	87.4	87.4	87.4	87.5	87.5
	86.0	87.2	87.6	88.1	88.3	88.5	88.5	88.5	88.5	88.6	88.6	88.7	88.7
	86.5	88.0	88.5	89.0	89.3	89.4	89.5	89.5	89.5	89.6	89.6	89.7	89.7
	87.1	88.6	89.1	89.6	89.9	90.1	90.1	90.1	90.1	90.2	90.2	90.3	90.3
	87.5	89.0	89.5	90.1	90.4	90.6	90.6	90.7	90.7	90.7	90.8	90.8	90.8
	88.1	89.7	90.3	91.1	91.4	91.5	91.6	91.6	91.6	91.7	91.7	91.8	91.8
	88.5	90.2	90.9	91.5	91.9	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.4
	89.1	91.0	91.8	92.9	93.5	93.8	93.9	93.9	93.9	94.1	94.1	94.1	94.1
	89.4	91.6	92.4	93.9	94.8	95.2	95.3	95.4	95.4	95.5	95.5	95.6	95.6
	89.5	91.9	92.8	94.5	95.8	96.5	96.8	96.9	97.0	97.2	97.2	97.3	97.3
	89.6	92.0	92.9	94.7	96.2	97.1	97.7	98.1	98.2	98.6	98.8	99.0	99.3
	89.6	92.0	92.9	94.8	96.3	97.2	97.9	98.3	98.4	99.0	99.2	99.6	100.0
	89.6	92.0	92.9	94.8	96.3	97.2	97.9	98.3	98.4	99.0	99.2	99.6	100.0

7440

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIB
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: JUN HOURS: 00-0

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	G 1/
NO CEIL	56.4	56.7	57.7	58.0	58.2	58.3	58.6	58.9	58.9	59.0	59.0	59.0	59
GE 20000	60.2	60.7	61.7	62.0	62.2	62.3	62.6	63.0	63.0	63.1	63.1	63.1	63
GE 18000	60.2	60.7	61.7	62.0	62.2	62.3	62.6	63.0	63.0	63.1	63.1	63.1	63
GE 16000	60.2	60.7	61.7	62.0	62.2	62.3	62.6	63.0	63.0	63.1	63.1	63.1	63
GE 14000	61.2	61.7	62.7	63.1	63.3	63.4	63.7	64.1	64.1	64.2	64.2	64.2	64
GE 12000	62.4	62.9	63.9	64.3	64.6	64.7	64.9	65.3	65.3	65.4	65.4	65.4	65
GE 10000	66.7	67.1	68.1	68.6	68.9	69.0	69.2	69.7	69.7	69.8	69.8	69.8	70
GE 9000	67.3	67.8	68.8	69.2	69.6	69.7	69.9	70.3	70.3	70.4	70.4	70.4	70
GE 8000	70.3	70.9	71.9	72.3	72.7	72.9	73.1	73.6	73.6	73.7	73.8	73.8	74
GE 7000	72.6	73.1	74.1	74.6	74.9	75.1	75.3	75.8	75.8	75.9	76.0	76.0	76
GE 6000	74.6	75.1	76.1	76.6	76.9	77.1	77.3	77.8	77.6	77.9	78.0	78.0	78
GE 5000	77.9	78.6	79.6	80.0	80.3	80.6	80.9	81.3	81.3	81.4	81.6	81.6	81
GE 4500	78.6	79.2	80.2	80.7	81.0	81.2	81.6	82.0	82.0	82.1	82.2	82.2	82
GE 4000	79.4	80.1	81.1	81.7	82.2	82.4	82.8	83.2	83.2	83.3	83.4	83.4	83
GE 3500	80.8	81.4	82.7	83.2	83.8	84.0	84.3	84.8	84.8	84.9	85.0	85.0	85
GE 3000	81.3	82.0	83.2	83.8	84.7	84.9	85.2	85.7	85.7	85.8	85.9	85.9	86
GE 2500	82.7	83.3	84.6	85.1	86.0	86.2	86.6	87.0	87.0	87.1	87.2	87.2	87
GE 2000	83.6	84.2	85.4	86.0	87.0	87.2	87.6	88.0	88.0	88.1	88.2	88.2	88
GE 1800	83.8	84.4	85.7	86.2	87.2	87.4	87.8	88.2	88.2	88.3	88.4	88.4	88
GE 1500	84.3	85.1	86.3	87.0	88.0	88.2	88.6	89.0	89.0	89.1	89.2	89.2	89
GE 1200	84.7	85.4	86.7	87.3	88.3	88.6	88.9	89.3	89.3	89.4	89.6	89.6	89
GE 1000	85.4	86.2	87.4	88.1	89.2	89.4	89.9	90.3	90.3	90.4	90.6	90.6	90
GE 900	85.6	86.3	87.6	88.2	89.3	89.6	90.0	90.4	90.4	90.6	90.7	90.7	90
GE 800	86.1	86.9	88.1	88.8	90.0	90.2	90.7	91.1	91.1	91.2	91.3	91.3	91
GE 700	86.9	87.7	89.0	89.7	90.9	91.2	91.7	92.1	92.1	92.2	92.3	92.3	92
GE 600	87.0	87.9	89.2	90.3	91.9	92.1	92.7	93.1	93.1	93.2	93.3	93.3	93
GE 500	87.6	88.4	89.8	90.9	92.4	92.6	93.3	94.2	94.3	94.4	94.6	94.6	94
GE 400	87.6	88.4	89.8	90.9	92.8	93.3	94.0	95.6	95.7	95.9	96.1	96.1	96
GE 300	87.6	88.4	89.8	90.9	92.8	93.3	94.1	96.1	96.2	96.6	97.0	97.0	97
GE 200	87.6	88.4	89.8	90.9	92.9	93.4	94.3	96.6	96.9	97.4	98.0	98.0	98
GE 100	87.6	88.4	89.8	90.9	92.9	93.4	94.3	96.6	97.0	97.6	98.1	98.3	99
GE 000	87.6	88.4	89.8	90.9	92.9	93.4	94.3	96.6	97.0	97.6	98.1	98.3	99

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
T TO UTC: + 5 MONTH: JUN HOURS: 00-02

CEILING	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	58.0	58.2	58.3	58.6	58.9	58.9	59.0	59.0	59.0	59.2	59.2	59.2	59.2
	62.0	62.2	62.3	62.6	63.0	63.0	63.1	63.1	63.1	63.3	63.3	63.3	63.3
	62.0	62.2	62.3	62.6	63.0	63.0	63.1	63.1	63.1	63.3	63.3	63.3	63.3
	62.0	62.2	62.3	62.6	63.0	63.0	63.1	63.1	63.1	63.3	63.3	63.3	63.3
	63.1	63.3	63.4	63.7	64.1	64.1	64.2	64.2	64.2	64.4	64.4	64.4	64.4
	64.3	64.6	64.7	64.9	65.3	65.3	65.4	65.4	65.4	65.7	65.7	65.7	65.7
	68.6	68.9	69.0	69.2	69.7	69.7	69.8	69.8	69.8	70.0	70.0	70.0	70.0
	69.2	69.6	69.7	69.9	70.3	70.3	70.4	70.4	70.4	70.7	70.7	70.7	70.7
	72.3	72.7	72.9	73.1	73.6	73.6	73.7	73.8	73.8	74.0	74.0	74.0	74.0
	74.6	74.9	75.1	75.3	75.8	75.8	75.9	76.0	76.0	76.2	76.2	76.2	76.2
	76.6	76.9	77.1	77.3	77.8	77.8	77.9	78.0	78.0	78.2	78.2	78.2	78.2
	80.0	80.3	80.6	80.9	81.3	81.3	81.4	81.6	81.6	81.8	81.8	81.8	81.8
	80.7	81.0	81.2	81.6	82.0	82.0	82.1	82.2	82.2	82.4	82.4	82.4	82.4
	81.7	82.2	82.4	82.8	83.2	83.2	83.3	83.4	83.4	83.7	83.7	83.7	83.7
	83.2	83.8	84.0	84.3	84.8	84.8	84.9	85.0	85.0	85.2	85.2	85.2	85.2
	83.8	84.7	84.9	85.2	85.7	85.7	85.8	85.9	85.9	86.1	86.1	86.1	86.1
	85.1	86.0	86.2	86.6	87.0	87.0	87.1	87.2	87.2	87.4	87.4	87.4	87.4
	86.0	87.0	87.2	87.6	88.0	88.0	88.1	88.2	88.2	88.4	88.4	88.4	88.4
	86.2	87.2	87.4	87.8	88.2	88.2	88.3	88.4	88.4	88.7	88.7	88.7	88.7
	87.0	88.0	88.2	88.6	89.0	89.0	89.1	89.2	89.2	89.4	89.4	89.4	89.4
	87.3	88.3	88.6	88.9	89.3	89.3	89.4	89.6	89.6	89.8	89.8	89.8	89.8
	88.1	89.2	89.4	89.9	90.3	90.3	90.4	90.6	90.6	90.8	90.8	90.8	90.8
	88.2	89.3	89.6	90.0	90.4	90.4	90.6	90.7	90.7	90.9	90.9	90.9	90.9
	88.8	90.0	90.2	90.7	91.1	91.1	91.2	91.3	91.3	91.6	91.6	91.6	91.6
	89.7	90.9	91.2	91.7	92.1	92.1	92.2	92.3	92.3	92.6	92.6	92.6	92.6
	90.3	91.8	92.1	92.7	93.1	93.1	93.2	93.3	93.3	93.6	93.6	93.6	93.6
	90.9	92.4	92.8	93.3	94.2	94.3	94.4	94.6	94.6	94.8	94.8	94.8	94.8
	90.9	92.8	93.3	94.0	95.6	95.7	95.9	96.1	96.1	96.4	96.4	96.4	96.6
	90.9	92.8	93.3	94.1	96.1	96.2	96.6	97.0	97.0	97.3	97.3	97.3	97.4
	90.9	92.9	93.4	94.3	96.6	96.9	97.4	98.0	98.0	98.7	98.8	98.8	99.2
	90.9	92.9	93.4	94.3	96.6	97.0	97.6	98.1	98.3	99.0	99.1	99.2	100.0
	90.9	92.9	93.4	94.3	96.6	97.0	97.6	98.1	98.3	99.0	99.1	99.2	100.0

900

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS V
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: A
LST TO UTC: + 5 — MONTH: JUN HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	52.4	53.2	54.0	54.6	55.4	55.4	55.6	55.7	55.8	55.8	55.8	55.8
GE 20000	57.2	58.0	58.8	59.3	60.2	60.2	60.3	60.6	60.7	60.7	60.7	60.7
GE 18000	57.6	58.3	59.1	59.7	60.6	60.6	60.7	60.9	61.0	61.0	61.0	61.0
GE 16000	57.7	58.4	59.2	59.8	60.7	60.7	60.8	61.0	61.1	61.1	61.1	61.1
GE 14000	58.9	59.7	60.6	61.1	62.0	62.0	62.1	62.3	62.4	62.4	62.4	62.4
GE 12000	60.0	60.8	61.7	62.2	63.1	63.1	63.2	63.4	63.6	63.6	63.6	63.6
GE 10000	63.9	64.8	65.7	66.2	67.2	67.2	67.3	67.6	67.7	67.7	67.7	67.7
GE 9000	64.3	65.2	66.1	66.7	67.7	67.7	67.8	68.0	68.1	68.1	68.1	68.1
GE 8000	67.4	68.6	69.4	70.1	71.1	71.1	71.2	71.6	71.7	71.7	71.7	71.7
GE 7000	68.9	70.0	70.9	71.6	72.6	72.6	72.7	73.0	73.1	73.1	73.1	73.1
GE 6000	69.8	71.0	71.9	72.6	73.6	73.6	73.7	74.0	74.1	74.1	74.1	74.1
GE 5000	72.9	74.2	75.2	75.9	76.9	76.9	77.0	77.3	77.4	77.4	77.4	77.4
GE 4500	74.3	75.7	76.7	77.4	78.4	78.4	78.6	78.9	79.0	79.0	79.0	79.0
GE 4000	76.3	77.7	78.7	79.4	80.8	80.8	80.9	81.2	81.3	81.3	81.3	81.3
GE 3500	77.6	79.0	80.0	80.9	82.2	82.2	82.3	82.7	82.8	82.8	82.8	82.8
GE 3000	79.0	80.4	81.4	82.3	83.8	83.8	83.9	84.2	84.3	84.3	84.3	84.3
GE 2500	80.1	81.6	82.6	83.4	84.9	84.9	85.0	85.3	85.4	85.4	85.4	85.4
GE 2000	81.2	82.7	83.7	84.6	86.0	86.0	86.1	86.4	86.6	86.6	86.6	86.6
GE 1800	81.7	83.1	84.2	85.1	86.6	86.6	86.7	87.0	87.1	87.1	87.1	87.1
GE 1500	83.3	84.8	85.9	86.8	88.3	88.3	88.4	88.8	88.9	88.9	88.9	88.9
GE 1200	84.2	85.7	86.8	87.7	89.2	89.2	89.3	89.7	89.8	89.8	89.8	89.8
GE 1000	85.2	86.7	87.9	88.8	90.3	90.3	90.4	90.8	90.9	90.9	90.9	90.9
GE 900	85.6	87.0	88.2	89.1	90.7	90.7	90.8	91.1	91.2	91.2	91.2	91.2
GE 800	85.9	87.3	88.6	89.4	91.0	91.0	91.2	91.6	91.7	91.7	91.7	91.7
GE 700	86.1	87.6	88.8	89.7	91.2	91.2	91.4	91.8	91.9	91.9	91.9	91.9
GE 600	86.2	87.7	88.9	89.9	91.6	91.6	91.8	92.1	92.2	92.2	92.2	92.2
GE 500	87.0	88.4	89.7	90.8	92.4	92.4	92.8	93.2	93.6	93.6	93.6	93.6
GE 400	87.0	88.4	89.9	91.1	93.1	93.1	93.6	94.7	95.0	95.1	95.1	95.1
GE 300	87.1	88.6	90.0	91.2	93.4	93.4	94.1	95.3	95.8	95.9	96.3	96.3
GE 200	87.1	88.6	90.0	91.2	93.8	93.9	94.7	95.9	96.7	97.0	97.7	97.8
GE 100	87.1	88.6	90.0	91.2	93.8	94.0	94.8	96.0	96.8	97.1	97.9	98.0
GE 000	87.1	88.6	90.0	91.2	93.8	94.0	94.8	96.0	96.8	97.1	97.9	98.0

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

N NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: JUN HOURS: 03-05

GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
				VISIBILITY IN STATUTE MILES								
54.6	55.4	55.4	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.9	55.9	55.9
59.3	60.2	60.2	60.3	60.6	60.7	60.7	60.7	60.7	60.7	60.8	60.8	60.8
59.7	60.6	60.6	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.1	61.1	61.1
59.8	60.7	60.7	60.8	61.0	61.1	61.1	61.1	61.1	61.1	61.2	61.2	61.2
61.1	62.0	62.0	62.1	62.3	62.4	62.4	62.4	62.4	62.4	62.6	62.6	62.6
62.2	63.1	63.1	63.2	63.4	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.7
66.2	67.2	67.2	67.3	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8
66.7	67.7	67.7	67.8	68.0	68.1	68.1	68.1	68.1	68.1	68.2	68.2	68.2
70.1	71.1	71.1	71.2	71.6	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8
71.6	72.6	72.6	72.7	73.0	73.1	73.1	73.1	73.1	73.1	73.2	73.2	73.2
73.6	73.6	73.6	73.7	74.0	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2
75.9	76.9	76.9	77.0	77.3	77.4	77.4	77.4	77.4	77.4	77.6	77.6	77.6
77.4	78.4	78.4	78.6	78.9	79.0	79.0	79.0	79.0	79.1	79.2	79.2	79.2
79.4	80.8	80.8	80.9	81.2	81.3	81.3	81.3	81.3	81.4	81.6	81.6	81.6
82.0	82.2	82.2	82.3	82.7	82.8	82.8	82.8	82.8	82.9	83.0	83.0	83.0
83.3	83.8	83.8	83.9	84.2	84.3	84.3	84.3	84.3	84.4	84.6	84.6	84.6
84.4	84.9	84.9	85.0	85.3	85.4	85.4	85.4	85.4	85.6	85.7	85.7	85.7
86.6	86.0	86.0	86.1	86.4	86.6	86.6	86.6	86.6	86.7	86.8	86.8	86.8
87.1	86.6	86.6	86.7	87.0	87.1	87.1	87.1	87.1	87.2	87.3	87.3	87.3
88.4	88.3	88.3	88.4	88.8	88.9	88.9	88.9	88.9	89.0	89.1	89.1	89.1
89.7	89.2	89.2	89.3	89.7	89.8	89.8	89.8	89.8	89.9	90.0	90.0	90.0
90.8	90.3	90.3	90.4	90.8	90.9	90.9	90.9	90.9	91.0	91.1	91.1	91.1
91.1	90.7	90.7	90.8	91.1	91.2	91.2	91.2	91.2	91.3	91.4	91.4	91.4
91.4	91.0	91.0	91.2	91.6	91.7	91.7	91.7	91.7	91.8	91.9	91.9	91.9
91.7	91.2	91.2	91.4	91.8	91.9	91.9	91.9	91.9	92.0	92.1	92.1	92.1
91.9	91.6	91.6	91.8	92.1	92.2	92.2	92.2	92.2	92.3	92.4	92.4	92.4
92.8	92.4	92.4	92.8	93.2	93.6	93.6	93.6	93.6	93.7	93.8	93.8	93.8
93.1	93.1	93.1	93.6	94.7	95.0	95.1	95.1	95.1	95.2	95.3	95.3	95.3
93.2	93.4	93.4	94.1	95.3	95.8	95.9	96.3	96.3	96.4	96.6	96.7	96.7
93.2	93.8	93.9	94.7	95.9	96.7	97.0	97.7	97.8	98.0	98.1	98.7	99.2
93.2	93.8	94.0	94.8	96.0	96.8	97.1	97.9	98.0	98.2	98.3	98.9	99.8
93.2	93.8	94.0	94.8	96.0	96.8	97.1	97.9	98.0	98.2	98.3	98.9	100.0

900

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS V
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: A
LST TO UTC: + 5 — MONTH: JUN HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	52.7	53.3	54.4	55.3	55.8	56.1	56.3	56.6	56.6	56.6	56.6	56.6
GE 20000	58.2	58.9	60.4	61.4	61.9	62.3	62.7	63.1	63.1	63.1	63.1	63.1
GE 18000	58.4	59.1	60.7	61.7	62.1	62.6	62.9	63.3	63.3	63.3	63.3	63.3
GE 16000	58.4	59.1	60.7	61.7	62.1	62.6	62.9	63.3	63.3	63.3	63.3	63.3
GE 14000	59.2	60.0	61.6	62.8	63.2	63.7	64.0	64.4	64.4	64.4	64.4	64.4
GE 12000	60.3	61.1	62.9	63.9	64.3	64.8	65.1	65.6	65.6	65.6	65.6	65.6
GE 10000	63.3	64.1	65.9	67.0	67.7	68.1	68.4	68.9	68.9	68.9	68.9	68.9
GE 9000	64.0	64.8	66.6	67.8	68.6	69.0	69.3	69.8	69.8	69.8	69.8	69.8
GE 8000	67.8	68.6	70.4	71.8	72.9	73.3	73.7	74.1	74.1	74.1	74.1	74.1
GE 7000	68.6	69.3	71.2	72.6	73.8	74.2	74.6	75.0	75.0	75.0	75.0	75.0
GE 6000	69.2	70.1	72.6	73.9	75.2	75.7	76.1	76.6	76.6	76.6	76.6	76.6
GE 5000	70.6	71.6	74.0	75.3	76.7	77.1	77.6	78.0	78.0	78.0	78.0	78.0
GE 4500	71.3	72.3	74.8	76.3	77.7	78.1	78.6	79.0	79.0	79.1	79.1	79.1
GE 4000	72.4	73.6	76.0	77.6	79.0	79.4	80.0	80.4	80.4	80.6	80.6	80.6
GE 3500	73.6	74.7	77.3	78.9	80.6	81.0	81.6	82.0	82.0	82.1	82.1	82.1
GE 3000	74.3	75.4	78.1	79.7	81.6	82.0	82.7	83.1	83.1	83.2	83.2	83.2
GE 2500	74.9	76.0	78.8	80.3	82.2	82.7	83.3	83.8	83.8	83.9	83.9	83.9
GE 2000	76.2	77.3	80.2	81.8	83.8	84.2	85.1	85.6	85.6	85.7	85.7	85.7
GE 1800	76.6	77.7	80.6	82.1	84.1	84.6	85.4	85.9	85.9	86.0	86.0	86.0
GE 1500	79.0	80.1	83.2	84.8	87.0	87.4	88.3	88.8	88.8	88.9	88.9	88.9
GE 1200	80.0	81.2	84.3	85.9	88.2	88.7	89.6	90.0	90.0	90.1	90.1	90.1
GE 1000	81.0	82.2	85.3	86.9	89.2	89.7	90.6	91.1	91.1	91.2	91.2	91.2
GE 900	81.2	82.4	85.6	87.1	89.4	89.9	90.3	91.3	91.3	91.4	91.4	91.4
GE 800	81.6	82.8	85.9	87.7	90.0	90.7	91.7	92.2	92.2	92.3	92.3	92.3
GE 700	82.0	83.3	86.6	88.4	90.8	91.4	92.4	93.0	93.0	93.1	93.1	93.1
GE 600	82.2	83.6	86.9	88.9	91.4	92.1	93.1	93.7	93.7	93.8	93.8	93.8
GE 500	82.6	83.9	87.2	89.2	91.8	92.6	93.8	94.7	94.9	95.0	95.0	95.0
GE 400	82.8	84.1	87.4	89.4	92.1	93.1	94.4	95.4	96.0	96.1	96.1	96.1
GE 300	82.8	84.1	87.4	89.6	92.6	93.6	95.1	96.1	97.0	97.1	97.1	97.1
GE 200	82.8	84.1	87.4	89.6	92.6	93.6	95.1	96.1	97.1	97.3	97.6	97.7
GE 100	82.8	84.1	87.4	89.6	92.6	93.6	95.1	96.1	97.1	97.4	97.7	97.8
GE 000	82.8	84.1	87.4	89.6	92.6	93.6	95.1	96.1	97.1	97.4	97.7	97.8

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC: + 5 MONTH: JUN HOURS: 06-08

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	55.3	55.8	56.1	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
	61.4	61.9	62.3	62.7	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
	61.7	62.1	62.6	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
	61.7	62.1	62.6	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
	62.4	63.2	63.7	64.0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
	63.9	64.3	64.8	65.1	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
	67.0	67.7	68.1	68.4	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
	67.3	68.6	69.0	69.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
	71.8	72.9	73.3	73.7	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
	72.6	73.8	74.2	74.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	73.9	75.2	75.7	76.1	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
	75.3	76.7	77.1	77.6	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
	76.3	77.7	78.1	78.6	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1
	77.6	79.0	79.4	80.0	80.4	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6
	78.9	80.6	81.0	81.6	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1
	79.7	81.6	82.0	82.7	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
	80.3	82.2	82.7	83.3	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9
	81.8	83.8	84.2	85.1	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7
	82.1	84.1	84.6	85.4	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0
	84.8	87.0	87.4	88.3	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
	85.9	88.2	88.7	89.6	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
	86.0	89.2	89.7	90.6	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2
	87.1	89.4	89.9	90.8	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
	87.7	90.0	90.7	91.7	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
	88.4	90.8	91.4	92.4	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1
	88.9	91.4	92.1	93.1	93.7	93.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9
	89.2	91.8	92.6	93.8	94.7	94.9	95.0	95.0	95.0	95.1	95.1	95.1	95.1
	89.4	92.1	93.1	94.4	95.4	96.0	96.1	96.1	96.1	96.2	96.2	96.2	96.2
	89.5	92.6	93.6	95.1	96.1	97.0	97.1	97.1	97.1	97.6	97.8	98.1	98.1
	89.5	92.6	93.6	95.1	96.1	97.1	97.3	97.6	97.7	98.3	98.7	99.2	99.4
	89.5	92.6	93.6	95.1	96.1	97.1	97.4	97.7	97.8	98.4	98.9	99.4	99.9
	89.5	92.6	93.6	95.1	96.1	97.1	97.4	97.7	97.8	98.4	98.9	99.4	100.0

900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AU
LST TO UTC: + 5 MONTH: JUN HOURS: 0

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	51.8	53.1	54.2	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 20000	58.6	60.1	61.7	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 18000	58.6	60.1	61.7	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 16000	58.6	60.1	61.7	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 14000	58.9	60.7	62.2	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 12000	60.7	62.4	64.1	64.6	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 10000	64.2	66.0	67.9	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 9000	65.3	67.1	69.0	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 8000	67.7	69.4	71.4	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 7000	68.8	70.6	72.7	73.2	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8
GE 6000	69.2	71.2	73.4	74.0	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7
GE 5000	70.8	72.8	75.0	75.6	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2
GE 4500	71.6	73.6	75.8	76.3	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0
GE 4000	73.1	75.1	77.4	78.0	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7
GE 3500	74.2	76.2	78.8	79.3	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1
GE 3000	76.1	78.1	80.8	81.4	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2
GE 2500	78.2	80.2	83.1	83.9	84.4	84.4	84.7	84.7	84.7	84.7	84.7	84.7
GE 2000	80.2	82.3	85.2	86.0	86.6	86.6	86.8	86.8	86.9	86.9	86.8	86.8
GE 1900	81.0	83.1	86.0	86.8	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.6
GE 1500	82.4	84.6	87.6	88.3	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1
GE 1200	84.4	86.6	89.6	90.3	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1
GE 1000	85.7	87.8	90.9	91.7	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4
GE 900	86.4	88.6	91.7	92.4	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2
GE 800	87.4	89.7	93.0	93.9	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7
GE 700	87.9	90.1	93.6	94.4	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2
GE 600	88.1	90.4	94.0	94.9	95.7	95.7	96.1	96.3	96.3	96.3	96.3	96.3
GE 500	88.4	90.8	94.4	95.3	96.1	96.1	96.6	96.9	97.0	97.0	97.0	97.0
GE 400	88.4	90.8	94.6	95.4	96.3	96.4	96.9	97.4	97.6	97.6	97.7	97.7
GE 300	88.4	90.8	94.6	95.4	96.3	96.4	97.0	97.6	98.2	98.7	98.9	98.9
GE 200	88.4	90.8	94.6	95.4	96.3	96.4	97.0	97.6	98.4	98.9	99.3	99.4
GE 100	88.4	90.8	94.6	95.4	96.3	96.4	97.0	97.6	98.4	98.9	99.4	99.6
GE 000	88.4	90.8	94.6	95.4	96.3	96.4	97.0	97.6	98.4	98.9	99.4	99.6

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: JUN HOURS: 09-11

CEILING	VISIBILITY IN STATUTE MILES											
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	54.7	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
	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
	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
	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
	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
	72.0	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
	73.2	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
	74.0	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
	75.6	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
	76.3	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
	78.0	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
	79.3	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
	81.4	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
	83.9	84.4	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
	86.0	86.6	86.6	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
	87.3	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
	88.3	88.9	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
	90.3	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
	91.7	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
	92.4	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
	93.9	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
	94.4	95.0	95.0	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
	94.9	95.7	95.7	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
	95.3	95.1	96.1	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
	95.4	95.3	96.4	96.9	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.8	97.8
	95.4	96.3	96.4	97.0	97.6	98.2	98.7	98.9	98.9	98.9	98.9	99.0	99.0
	95.4	96.3	96.4	97.0	97.6	98.4	98.9	99.3	99.4	99.6	99.6	99.8	99.9
	95.4	96.3	96.4	97.0	97.6	98.4	98.9	99.4	99.6	99.7	99.7	99.9	100.0
	95.4	96.3	96.4	97.0	97.6	98.4	98.9	99.4	99.6	99.7	99.7	99.9	100.0

900

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG
LST TO UTC: + 5 — MONTH: JUN — HOURS: 12-

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	44.3	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	4
GE 20000	54.8	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	5
GE 18000	55.1	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	5
GE 16000	55.2	56.4	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	5
GE 14000	56.4	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	5
GE 12000	58.3	59.8	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	6
GE 10000	60.9	62.3	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	6
GE 9000	61.8	63.2	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	6
GE 8000	64.5	66.0	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	6
GE 7000	66.1	67.6	67.9	68.0	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	6
GE 6000	66.8	68.6	68.9	69.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	6
GE 5000	69.9	71.9	72.4	72.6	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	7
GE 4500	71.7	73.7	74.2	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	7
GE 4000	75.6	77.7	78.2	78.3	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	7
GE 3500	78.3	80.6	81.2	81.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	8
GE 3000	82.4	84.8	85.4	85.6	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	8
GE 2500	84.8	87.1	87.8	88.0	88.4	88.4	88.6	88.7	88.7	88.7	88.7	88.7	8
GE 2000	86.2	88.7	89.3	89.6	90.0	90.1	90.2	90.3	90.3	90.3	90.3	90.3	9
GE 1800	86.9	89.3	90.0	90.2	90.7	90.8	90.9	91.0	91.0	91.0	91.0	91.0	9
GE 1500	88.6	91.0	91.8	92.0	92.4	92.6	92.7	92.9	93.0	93.0	93.0	93.0	9
GE 1200	89.8	92.3	93.2	93.6	94.0	94.2	94.3	94.7	94.8	94.8	94.8	94.8	9
GE 1000	90.3	92.9	93.8	94.1	94.7	95.0	95.2	95.6	95.7	95.7	95.7	95.7	9
GE 900	90.4	93.0	94.1	94.4	95.0	95.3	95.7	96.0	96.2	96.3	96.3	96.3	9
GE 800	90.7	93.2	94.3	94.9	95.4	95.8	96.1	96.4	96.7	96.8	96.8	96.8	9
GE 700	90.9	93.4	94.6	95.1	95.7	96.0	96.3	96.7	96.9	97.0	97.0	97.0	9
GE 600	91.2	93.9	95.0	95.6	96.1	96.4	97.0	97.3	97.6	97.7	97.7	97.7	9
GE 500	91.3	94.0	95.2	96.0	96.6	96.9	97.6	97.9	98.1	98.2	98.2	98.2	9
GE 400	91.3	94.0	95.2	96.0	96.7	97.0	97.8	98.2	98.6	98.7	98.8	98.8	9
GE 300	91.4	94.1	95.3	96.1	97.0	97.3	98.1	98.6	99.1	99.2	99.3	99.3	9
GE 200	91.4	94.1	95.3	96.1	97.0	97.3	98.1	98.6	99.2	99.3	99.4	99.4	9
GE 100	91.4	94.1	95.3	96.1	97.0	97.3	98.1	98.6	99.2	99.3	99.4	99.4	9
GE 000	91.4	94.1	95.3	96.1	97.0	97.3	98.1	98.6	99.2	99.3	99.4	99.4	9

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
.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
.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
.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
.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
.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
.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
.0	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
.5	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
.3	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
.3	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
.5	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
.0	88.4	88.4	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
.6	90.0	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
.2	90.7	90.8	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
.0	92.4	92.6	92.7	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
.5	94.0	94.2	94.3	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
.1	94.7	95.0	95.2	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
.4	95.0	95.3	95.7	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3
.9	95.4	95.8	96.1	96.4	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.9
.1	95.7	96.0	96.3	96.7	96.9	97.0	97.0	97.0	97.0	97.2	97.2	97.2
.6	96.1	96.4	97.0	97.3	97.6	97.7	97.7	97.7	97.7	97.9	97.9	97.9
.0	96.6	96.9	97.6	97.9	98.1	98.2	98.2	98.2	98.2	98.4	98.4	98.4
.0	96.7	97.0	97.8	98.2	98.6	98.7	98.8	98.8	98.8	99.0	99.0	99.0
.1	97.0	97.3	98.1	98.6	99.1	99.2	99.3	99.3	99.3	99.6	99.6	99.6
.1	97.0	97.3	98.1	98.6	99.2	99.3	99.4	99.4	99.6	99.8	99.8	99.8
.1	97.0	97.3	98.1	98.6	99.2	99.3	99.4	99.4	99.6	99.9	100.0	100.0
.1	97.0	97.3	98.1	98.6	99.2	99.3	99.4	99.4	99.6	99.9	100.0	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS V
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: A
LST TO UTC: + 5 MONTH: JUN HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	43.3	43.8	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 20000	55.9	56.4	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 18000	56.7	57.2	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 16000	56.7	57.2	57.9	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 14000	57.9	58.4	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 12000	59.6	60.1	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 10000	63.2	63.8	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 9000	64.3	64.9	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 8000	67.2	67.8	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 7000	68.4	69.0	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 6000	69.7	70.6	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 5000	73.6	74.6	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 4500	75.4	76.6	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 4000	78.8	80.0	81.3	82.0	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6
GE 3500	81.9	83.1	84.9	85.1	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7
GE 3000	84.6	85.8	87.6	87.8	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3
GE 2500	87.0	88.2	90.0	90.2	90.7	90.7	90.8	90.9	90.9	90.9	90.9	90.9
GE 2000	88.8	90.0	92.0	92.4	93.1	93.1	93.2	93.3	93.3	93.3	93.3	93.3
GE 1800	89.2	90.4	92.4	92.9	93.6	93.6	93.7	93.8	93.8	93.8	93.8	93.8
GE 1500	89.7	91.1	93.1	93.6	94.3	94.3	94.4	94.6	94.6	94.6	94.6	94.6
GE 1200	90.8	92.2	94.2	94.7	95.4	95.6	95.7	95.8	95.8	95.8	95.8	95.8
GE 1000	91.4	93.0	95.0	95.4	96.2	96.3	96.7	96.8	96.8	96.8	96.8	96.8
GE 900	91.7	93.2	95.2	95.7	96.4	96.6	96.9	97.0	97.0	97.0	97.0	97.0
GE 800	91.9	93.4	95.4	95.9	96.9	97.0	97.3	97.4	97.4	97.4	97.4	97.4
GE 700	92.1	93.7	95.7	96.1	97.2	97.3	97.8	97.9	97.9	97.9	97.9	97.9
GE 600	92.3	93.9	95.9	96.3	97.4	97.6	98.0	98.1	98.1	98.1	98.1	98.1
GE 500	92.4	94.0	96.0	96.4	97.6	97.7	98.1	98.4	98.4	98.4	98.4	98.4
GE 400	92.4	94.0	96.0	96.4	97.7	97.8	98.3	98.9	99.0	99.0	99.0	99.0
GE 300	92.4	94.0	96.1	96.6	97.8	97.9	98.4	99.0	99.1	99.3	99.3	99.3
GE 200	92.4	94.0	96.1	96.6	97.8	98.0	98.6	99.1	99.2	99.4	99.6	99.6
GE 100	92.4	94.0	96.1	96.6	97.8	98.0	98.6	99.1	99.2	99.4	99.7	99.7
GE 000	92.4	94.0	96.1	96.6	97.8	98.0	98.6	99.1	99.2	99.4	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME: + 5 MONTH: JUN HOURS: 15-17

CEILING	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
	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	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
	90.7	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
	93.1	93.1	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
	93.6	93.6	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
	94.3	94.3	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
	95.4	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
	96.2	96.3	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
	96.4	96.6	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
	96.9	97.0	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
	97.2	97.3	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
	97.4	97.6	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
	97.6	97.7	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
	97.7	97.8	98.3	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2
	97.8	97.9	98.4	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.6	99.6
	97.8	98.0	98.6	99.1	99.2	99.4	99.6	99.6	99.6	99.6	99.8	99.8
	97.8	98.0	98.6	99.1	99.2	99.4	99.7	99.7	99.7	99.7	100.0	100.0
	97.8	98.0	98.6	99.1	99.2	99.4	99.7	99.7	99.7	99.7	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: JUN HOURS: 18-

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	50.4	51.2	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	5
GE 20000	62.7	63.4	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	6
GE 18000	63.1	64.0	64.3	64.3	64.8	64.8	64.3	64.8	64.8	64.8	64.8	64.8	6
GE 16000	63.3	64.2	64.6	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	6
GE 14000	64.7	65.6	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	6
GE 12000	65.9	66.8	67.1	67.5	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	6
GE 10000	69.6	70.4	70.9	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	7
GE 9000	70.3	71.2	71.7	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	7
GE 8000	73.4	74.4	74.9	75.3	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	7
GE 7000	75.8	76.8	77.2	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	7
GE 6000	78.0	79.4	80.1	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	8
GE 5000	80.6	82.0	83.0	83.4	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	8
GE 4500	81.1	82.6	83.6	84.1	84.3	84.3	84.6	84.6	84.6	84.6	84.6	84.6	8
GE 4000	84.1	85.6	86.9	87.4	87.8	87.9	88.1	88.1	88.1	88.1	88.1	88.1	8
GE 3500	85.7	87.1	88.4	89.0	89.3	89.4	89.7	89.7	89.7	89.7	89.7	89.7	8
GE 3000	86.8	88.2	89.6	90.1	90.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8	9
GE 2500	88.1	89.6	90.9	91.4	91.8	91.9	92.1	92.2	92.2	92.2	92.3	92.3	9
GE 2000	89.1	90.6	92.1	92.7	93.0	93.2	93.3	93.9	93.9	93.9	94.0	94.0	9
GE 1800	89.1	90.6	92.1	92.7	93.0	93.2	93.3	93.9	93.9	93.9	94.0	94.0	9
GE 1500	89.6	91.0	92.6	93.1	93.4	93.7	94.4	94.6	94.6	94.6	94.7	94.7	9
GE 1200	90.8	92.2	93.8	94.3	94.7	94.9	95.8	95.9	95.9	95.9	96.0	96.0	9
GE 1000	90.9	92.3	93.9	94.4	94.8	95.0	95.9	96.0	96.1	96.1	96.2	96.2	9
GE 900	91.1	92.6	94.1	94.7	95.0	95.2	96.1	96.2	96.3	96.3	96.4	96.4	9
GE 800	91.1	92.7	94.2	94.8	95.2	95.4	96.3	96.4	96.7	96.7	96.8	96.8	9
GE 700	91.6	93.1	94.7	95.3	95.8	96.0	96.9	97.1	97.3	97.3	97.4	97.4	9
GE 600	91.8	93.3	94.9	95.6	96.1	96.3	97.2	97.4	97.7	97.7	97.8	97.8	9
GE 500	92.0	93.6	95.2	95.9	96.6	96.8	97.7	98.1	98.3	98.3	98.4	98.4	9
GE 400	92.0	93.6	95.2	95.9	96.6	96.9	97.8	98.6	98.8	98.9	99.1	99.1	9
GE 300	92.0	93.6	95.2	95.9	96.6	96.9	97.9	98.7	98.9	99.0	99.3	99.3	9
GE 200	92.0	93.6	95.2	95.9	96.6	96.9	97.9	98.7	98.9	99.0	99.3	99.3	9
GE 100	92.0	93.6	95.2	95.9	96.6	96.9	97.9	98.7	98.9	99.0	99.3	99.3	9
GE 000	92.0	93.6	95.2	95.9	96.6	96.9	97.9	98.7	98.9	99.0	99.3	99.3	9

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
T TO UTC: + 5 — MONTH: JUN HOURS: 18-20

	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
	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
	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
	75.3	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
	77.7	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
	80.6	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
	83.4	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
	84.1	84.3	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
	87.4	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
	89.0	89.3	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
	90.1	90.4	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
	91.4	91.8	91.9	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3
	92.7	93.0	93.2	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0
	92.7	93.0	93.2	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0
	93.1	93.4	93.7	94.4	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7
	94.3	94.7	94.9	95.8	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0
	94.4	94.8	95.0	95.9	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2
	94.7	95.0	95.2	96.1	96.2	96.3	96.3	96.4	96.4	96.4	96.4	96.4	96.4
	94.8	95.2	95.4	96.3	96.4	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8
	95.3	95.8	96.0	96.9	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
	95.6	96.1	96.3	97.2	97.4	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8
	95.9	96.6	96.8	97.7	99.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
	95.9	96.6	96.9	97.8	98.6	98.8	98.9	99.1	99.1	99.2	99.2	99.2	99.2
	95.9	96.6	96.9	97.9	98.7	98.9	99.0	99.3	99.3	99.7	99.7	99.7	99.9
	95.9	96.6	96.9	97.9	98.7	98.9	99.0	99.3	99.3	99.7	99.7	99.7	100.0
	95.9	96.6	96.9	97.9	98.7	98.9	99.0	99.3	99.3	99.7	99.7	99.7	100.0
	95.9	96.6	96.9	97.9	98.7	98.9	99.0	99.3	99.3	99.7	99.7	99.7	100.0

900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AU
LST TO UTC: + 5 MONTH: JUN HOURS: 2

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	54.4	55.0	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 20000	61.6	62.4	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 18000	61.8	62.7	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 16000	62.0	62.9	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 14000	63.6	64.4	65.1	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 12000	65.2	66.1	66.8	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
GE 10000	68.3	69.2	69.9	70.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 9000	69.1	70.0	70.7	71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 8000	72.4	73.4	74.1	74.5	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 7000	75.1	76.3	77.0	77.4	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 6000	76.9	78.1	79.1	79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 5000	79.3	81.2	82.3	82.9	83.4	83.4	83.7	83.7	83.7	83.7	83.7	83.7
GE 4500	81.0	82.4	83.6	84.1	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9
GE 4000	83.1	84.6	85.7	86.2	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2
GE 3500	83.9	85.3	86.7	87.2	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2
GE 3000	84.2	85.7	87.0	87.6	88.3	88.3	88.7	88.8	88.8	88.9	88.9	88.9
GE 2500	85.0	86.4	87.8	88.3	89.2	89.2	89.6	89.7	89.7	89.7	89.8	89.8
GE 2000	85.9	87.3	88.7	89.4	90.3	90.3	91.0	91.1	91.1	91.1	91.2	91.2
GE 1800	86.1	87.6	88.9	89.7	90.6	90.6	91.2	91.3	91.3	91.3	91.4	91.4
GE 1500	86.7	88.1	89.4	90.2	91.1	91.1	91.8	91.9	91.9	91.9	92.0	92.0
GE 1200	87.4	88.9	90.2	91.0	92.0	92.1	92.8	92.9	92.9	92.9	93.0	93.0
GE 1000	87.9	89.3	90.8	91.6	92.6	92.8	93.6	93.7	93.7	93.7	93.8	93.8
GE 900	87.9	89.3	90.8	91.6	92.6	92.8	93.6	93.7	93.7	93.7	93.8	93.8
GE 800	88.6	90.0	91.4	92.3	93.3	93.6	94.3	94.4	94.4	94.4	94.6	94.6
GE 700	88.6	90.0	91.6	92.4	93.4	93.9	94.7	94.8	94.8	94.8	94.9	94.9
GE 600	88.9	90.3	92.0	92.9	93.9	94.3	95.1	95.2	95.2	95.2	95.3	95.3
GE 500	89.0	90.4	92.1	93.1	94.2	94.7	95.6	95.8	95.8	96.0	96.1	96.1
GE 400	89.0	90.4	92.1	93.4	95.1	95.6	96.6	96.8	96.8	97.1	97.2	97.2
GE 300	89.0	90.4	92.2	93.6	95.2	95.7	96.7	97.1	97.6	98.1	98.4	98.4
GE 200	89.0	90.4	92.2	93.6	95.2	95.7	96.7	97.2	97.9	98.4	99.2	99.2
GE 100	89.0	90.4	92.2	93.6	95.2	95.7	96.7	97.2	97.9	98.4	99.2	99.2
GE 000	89.0	90.4	92.2	93.6	95.2	95.7	96.7	97.2	97.9	98.4	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

N NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
) UTC: + 5 — MONTH: JUN HOURS: 21-23

GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
				VISIBILITY IN STATUTE MILES								
55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
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
63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
70.8	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
71.1	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
74.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
77.4	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
79.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
83.3	83.4	83.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
84.1	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
86.2	86.9	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
87.2	87.9	87.9	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
88.5	88.3	88.3	88.7	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
89.3	89.2	89.2	89.6	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	89.8
90.4	90.3	90.3	91.0	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2
90.7	90.6	90.6	91.2	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4
91.2	91.1	91.1	91.8	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0
91.9	92.0	92.1	92.8	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0
92.5	92.6	92.8	93.6	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
92.5	92.6	92.8	93.6	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
93.3	93.3	93.6	94.3	94.4	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6
93.4	93.4	93.9	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9
93.9	93.9	94.3	95.1	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3
94.1	94.2	94.7	95.6	95.8	95.8	96.0	96.1	96.1	96.1	96.1	96.1	96.1
94.4	95.1	95.6	96.6	96.8	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2
94.6	95.2	95.7	96.7	97.1	97.6	98.1	98.4	98.4	98.4	98.4	98.4	98.6
94.6	95.2	95.7	96.7	97.2	97.9	98.4	99.2	99.2	99.3	99.7	99.7	100.0
94.6	95.2	95.7	96.7	97.2	97.9	98.4	99.2	99.2	99.3	99.7	99.7	100.0
94.6	95.2	95.7	96.7	97.2	97.9	98.4	99.2	99.2	99.3	99.7	99.7	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	50.7	51.5	52.2	52.5	52.8	52.8	52.9	53.0	53.0	53.0	53.0	53.0	5
GE 20000	58.5	59.5	60.3	60.7	60.9	61.0	61.1	61.2	61.3	61.3	61.3	61.3	6
GE 18000	58.9	59.8	60.7	61.1	61.3	61.4	61.4	61.6	61.6	61.6	61.6	61.6	6
GE 16000	59.0	59.9	60.7	61.1	61.4	61.4	61.5	61.7	61.7	61.7	61.7	61.7	6
GE 14000	60.1	61.0	61.9	62.4	62.6	62.7	62.8	62.9	62.9	62.9	62.9	62.9	6
GE 12000	61.6	62.5	63.4	63.8	64.1	64.2	64.2	64.4	64.4	64.4	64.4	64.4	6
GE 10000	65.0	66.0	66.9	67.4	67.7	67.8	67.9	68.0	68.0	68.1	68.1	68.1	6
GE 9000	65.8	66.8	67.7	68.2	68.6	68.6	68.7	68.9	68.9	68.9	68.9	68.9	6
GE 8000	68.9	69.9	70.9	71.4	71.8	71.9	72.0	72.1	72.2	72.2	72.2	72.2	7
GE 7000	70.5	71.6	72.6	73.1	73.6	73.7	73.8	73.9	73.9	73.9	74.0	74.0	7
GE 6000	71.8	73.0	74.2	74.7	75.2	75.3	75.4	75.6	75.6	75.6	75.6	75.6	7
GE 5000	74.5	75.8	77.2	77.7	78.3	78.3	78.5	78.7	78.7	78.7	78.7	78.7	7
GE 4500	75.6	77.0	78.3	78.9	79.5	79.6	79.7	79.9	79.9	79.9	79.9	79.9	8
GE 4000	77.9	79.3	80.7	81.3	82.1	82.2	82.4	82.5	82.5	82.6	82.6	82.6	8
GE 3500	79.5	80.9	82.5	83.1	83.9	84.0	84.2	84.4	84.4	84.4	84.4	84.4	8
GE 3000	81.1	82.6	84.1	84.9	85.6	85.7	86.0	86.2	86.2	86.2	86.2	86.2	8
GE 2500	82.6	84.1	85.7	86.3	87.2	87.3	87.6	87.8	87.8	87.8	87.9	87.9	8
GE 2000	83.9	85.4	87.1	87.8	88.7	88.8	89.2	89.4	89.4	89.5	89.5	89.5	8
GE 1800	84.3	85.8	87.5	88.2	89.1	89.3	89.6	89.8	89.8	89.9	89.9	89.9	9
GE 1500	85.4	87.0	88.7	89.5	90.4	90.6	91.0	91.2	91.2	91.3	91.3	91.3	9
GE 1200	86.5	88.1	89.8	90.6	91.6	91.8	92.2	92.4	92.4	92.5	92.5	92.5	9
GE 1000	87.2	88.8	90.6	91.4	92.4	92.6	93.1	93.3	93.4	93.4	93.4	93.4	9
GE 900	87.5	89.1	90.9	91.7	92.7	92.9	93.4	93.6	93.7	93.7	93.8	93.8	9
GE 800	87.9	89.5	91.4	92.2	93.3	93.5	94.0	94.3	94.4	94.4	94.4	94.4	9
GE 700	88.3	89.9	91.8	92.7	93.8	94.0	94.6	94.8	94.9	94.9	95.0	95.0	9
GE 600	88.5	90.1	92.1	93.0	94.3	94.5	95.1	95.4	95.5	95.5	95.6	95.6	9
GE 500	88.8	90.4	92.5	93.5	94.7	95.0	95.7	96.2	96.3	96.4	96.4	96.4	9
GE 400	88.8	90.5	92.5	93.5	95.0	95.4	96.2	96.9	97.2	97.3	97.4	97.4	9
GE 300	88.8	90.5	92.6	93.7	95.2	95.6	96.4	97.3	97.7	98.0	98.2	98.2	9
GE 200	88.8	90.5	92.6	93.7	95.3	95.7	96.5	97.5	98.0	98.4	98.8	98.8	9
GE 100	88.8	90.5	92.6	93.7	95.3	95.7	95.6	97.5	98.1	98.4	98.8	98.9	9
GE 000	88.8	90.5	92.6	93.7	95.3	95.7	96.6	97.5	98.1	98.4	98.8	98.9	9

TOTAL NUMBER OF OBSERVATIONS 7200

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 MONTH: JUN HOURS: ALL

VISIBILITY IN STATUTE MILES												
GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
52.5	52.8	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
60.7	60.9	61.0	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
61.1	61.3	61.4	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7
61.1	61.4	61.4	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
62.4	62.6	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.0
63.9	64.1	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
67.4	67.7	67.8	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1
68.2	68.6	68.6	68.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
71.4	71.8	71.9	72.0	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
73.1	73.6	73.7	73.8	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0
74.7	75.2	75.3	75.4	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7
77.7	78.3	78.3	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
79.9	79.5	79.6	79.7	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0
81.3	82.1	82.2	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
83.1	83.9	84.0	84.2	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5
84.9	85.6	85.7	86.0	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3
86.3	87.2	87.3	87.6	87.8	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9
87.3	88.7	88.8	89.2	89.4	89.4	89.5	89.5	89.5	89.6	89.6	89.6	89.6
88.2	89.1	89.3	89.6	89.8	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.0
89.5	90.4	90.6	91.0	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3
90.6	91.6	91.8	92.2	92.4	92.4	92.5	92.5	92.5	92.6	92.6	92.6	92.6
91.4	92.4	92.6	93.1	93.3	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5
91.7	92.7	92.9	93.4	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
92.2	93.3	93.5	94.0	94.3	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5
92.7	93.8	94.0	94.6	94.8	94.9	94.9	95.0	95.0	95.0	95.1	95.1	95.1
93.0	94.3	94.5	95.1	95.4	95.5	95.5	95.6	95.6	95.6	95.7	95.7	95.7
93.5	94.7	95.0	95.7	96.2	96.3	96.4	96.4	96.4	96.5	96.5	96.5	96.5
93.5	95.0	95.4	96.2	96.9	97.2	97.3	97.4	97.4	97.5	97.5	97.6	97.6
93.7	95.2	95.6	96.4	97.3	97.7	98.0	98.2	98.2	98.4	98.4	98.5	98.6
93.7	95.3	95.7	96.5	97.5	98.0	98.4	98.8	98.8	99.1	99.2	99.4	99.7
93.7	95.3	95.7	96.6	97.5	98.1	98.4	98.8	98.9	99.2	99.4	99.6	100.0
93.7	95.3	95.7	96.6	97.5	98.1	98.4	98.8	98.9	99.2	99.4	99.6	100.0

7200

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG
LST TO UTC: + 5 — MONTH: JUL — HOURS: 00-(

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/
NO CEIL	61.3	62.7	64.0	65.3	66.3	66.3	66.6	66.9	67.1	67.3	67.4	67.4	67
GE 20000	66.6	67.6	68.9	70.2	71.4	71.5	71.8	72.2	72.4	72.6	72.7	72.7	72
GE 18000	66.7	67.7	69.0	70.3	71.5	71.6	71.9	72.3	72.5	72.7	72.8	72.8	72
GE 16000	66.9	68.0	69.2	70.5	71.7	71.8	72.2	72.5	72.7	72.9	73.0	73.0	73
GE 14000	68.2	69.2	70.5	71.8	73.0	73.1	73.4	73.8	74.0	74.2	74.3	74.3	74
GE 12000	69.7	70.8	72.0	73.4	74.7	74.8	75.2	75.5	75.7	75.9	76.0	76.0	76
GE 10000	72.3	73.4	74.8	76.2	77.6	77.7	78.1	78.4	78.6	78.8	78.9	78.9	79
GE 9000	72.8	74.0	75.4	76.8	78.2	78.3	78.9	79.2	79.5	79.7	79.8	79.8	79
GE 8000	74.4	75.6	77.0	78.4	79.9	79.9	80.5	80.9	81.1	81.3	81.4	81.4	81
GE 7000	76.2	77.4	78.8	80.2	81.6	81.7	82.4	82.7	82.9	83.1	83.2	83.2	83
GE 6000	77.0	78.2	79.6	81.0	82.4	82.5	83.1	83.4	83.7	83.9	84.0	84.0	84
GE 5000	79.0	80.2	81.6	83.2	84.6	84.7	85.5	85.8	86.0	86.2	86.3	86.3	86
GE 4500	79.6	80.8	82.2	83.9	85.3	85.4	86.1	86.5	86.7	86.9	87.0	87.0	87
GE 4000	81.1	82.3	83.7	85.3	87.3	87.4	88.2	88.5	88.7	88.9	89.0	89.0	89
GE 3500	81.9	83.1	84.5	86.7	88.2	88.3	89.1	89.5	89.7	89.9	90.0	90.0	90
GE 3000	82.3	83.4	84.8	87.0	88.6	88.7	89.6	89.9	90.1	90.3	90.4	90.4	90
GE 2500	82.8	84.0	85.4	87.5	89.2	89.4	90.2	90.5	90.8	91.0	91.1	91.1	91
GE 2000	82.9	84.1	85.6	87.7	89.5	89.7	90.5	90.9	91.1	91.3	91.4	91.4	91
GE 1800	83.0	84.2	85.7	87.8	89.6	89.8	90.6	91.0	91.3	91.5	91.6	91.6	91
GE 1500	83.2	84.4	85.9	88.1	89.8	90.0	91.0	91.4	91.7	91.9	92.0	92.0	92
GE 1200	83.7	84.8	86.3	88.5	90.2	90.4	91.6	92.0	92.4	92.6	92.7	92.7	92
GE 1000	84.0	85.2	86.7	88.8	90.5	90.8	92.0	92.5	92.8	93.0	93.1	93.1	93
GE 900	84.1	85.3	86.8	88.9	90.6	90.9	92.2	92.6	92.9	93.1	93.2	93.2	93
GE 800	84.3	85.5	87.0	89.1	90.9	91.1	92.5	92.9	93.2	93.4	93.5	93.5	93
GE 700	84.4	85.6	87.1	89.2	91.0	91.2	92.6	93.0	93.3	93.5	93.7	93.7	93
GE 600	84.5	85.7	87.2	89.4	91.1	91.3	92.7	93.1	93.4	93.8	93.9	93.9	94
GE 500	84.6	85.8	87.3	89.5	91.3	91.5	93.1	93.5	94.1	94.5	94.6	94.6	94
GE 400	84.8	86.0	87.5	89.7	91.5	91.7	93.3	93.8	94.7	95.2	95.3	95.3	95
GE 300	84.8	86.0	87.5	89.8	91.8	92.2	94.0	94.7	95.7	96.2	96.5	96.5	96
GE 200	84.9	86.1	87.6	89.9	92.2	92.7	94.9	95.7	96.7	97.2	97.4	97.4	97
GE 100	84.9	86.1	87.6	89.9	92.2	92.7	94.9	95.7	96.9	97.4	97.8	97.8	98
GE 000	84.9	86.1	87.6	89.9	92.2	92.7	94.9	95.7	96.9	97.4	97.8	97.8	98

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
ST TO UTC: + 5 — MONTH: JUL HOURS: 00-02

	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
0	65.3	66.3	66.3	66.6	66.9	67.1	67.3	67.4	67.4	67.4	67.4	67.4	67.4
1	70.2	71.4	71.5	71.8	72.2	72.4	72.6	72.7	72.7	72.7	72.7	72.7	72.7
2	70.3	71.5	71.6	71.9	72.3	72.5	72.7	72.8	72.8	72.8	72.8	72.8	72.8
3	70.5	71.7	71.8	72.2	72.5	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.0
4	71.8	73.0	73.1	73.4	73.8	74.0	74.2	74.3	74.3	74.3	74.3	74.3	74.3
5	73.4	74.7	74.8	75.2	75.5	75.7	75.9	76.0	76.0	76.0	76.0	76.0	76.0
6	76.2	77.6	77.7	78.1	78.4	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9
7	76.8	78.2	78.3	78.9	79.2	79.5	79.7	79.8	79.8	79.8	79.8	79.8	79.8
8	79.4	79.9	79.9	80.5	80.9	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4
9	80.2	81.6	81.7	82.4	82.7	82.9	83.1	83.2	83.2	83.2	83.2	83.2	83.2
10	81.0	82.4	82.5	83.1	83.4	83.7	83.9	84.0	84.0	84.0	84.0	84.0	84.0
11	83.2	84.6	84.7	85.5	85.8	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3
12	83.9	85.3	85.4	86.1	86.5	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0
13	85.8	87.3	87.4	88.2	88.5	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0
14	86.7	88.2	88.3	89.1	89.5	89.7	89.9	90.0	90.0	90.0	90.0	90.0	90.0
15	87.0	88.6	88.7	89.6	89.9	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4
16	87.5	89.2	89.4	90.2	90.5	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1
17	87.7	89.5	89.7	90.5	90.9	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.4
18	87.3	89.6	89.8	90.6	91.0	91.3	91.5	91.6	91.6	91.7	91.7	91.8	91.8
19	88.1	89.8	90.0	91.0	91.4	91.7	91.9	92.0	92.0	92.2	92.2	92.3	92.3
20	88.5	90.2	90.4	91.6	92.0	92.4	92.6	92.7	92.7	92.8	92.8	92.9	92.9
21	88.8	90.5	90.8	92.0	92.5	92.8	93.0	93.1	93.1	93.2	93.2	93.3	93.3
22	88.9	90.6	90.9	92.2	92.6	92.9	93.1	93.2	93.2	93.3	93.3	93.4	93.4
23	89.1	90.9	91.1	92.5	92.9	93.2	93.4	93.5	93.5	93.7	93.7	93.8	93.8
24	89.2	91.0	91.2	92.6	93.0	93.3	93.5	93.7	93.7	93.8	93.8	93.9	93.9
25	89.4	91.1	91.3	92.7	93.1	93.4	93.8	93.9	93.9	94.0	94.0	94.1	94.1
26	89.5	91.3	91.5	93.1	93.5	94.1	94.5	94.6	94.6	94.8	94.8	94.9	94.9
27	89.7	91.5	91.7	93.3	93.8	94.7	95.2	95.3	95.3	95.6	95.6	95.7	95.7
28	89.8	91.8	92.2	94.0	94.7	95.7	96.2	96.5	96.5	96.8	96.8	96.9	96.9
29	89.9	92.2	92.7	94.9	95.7	96.7	97.2	97.4	97.4	97.8	98.1	98.5	98.6
30	89.9	92.2	92.7	94.9	95.7	96.9	97.4	97.8	97.8	98.4	98.7	99.2	100.0
31	89.9	92.2	92.7	94.9	95.7	96.9	97.4	97.8	97.8	98.4	98.7	99.2	100.0

930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: JUL HOURS: 03

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	54.5	54.8	56.7	57.7	59.8	60.3	60.9	61.2	61.2	61.6	62.3	62.4
GE 20000	58.3	58.6	60.6	61.7	63.8	64.4	64.9	65.3	65.3	65.7	66.3	66.5
GE 18000	58.4	58.7	60.8	61.8	63.9	64.5	65.1	65.4	65.4	65.8	66.5	66.6
GE 16000	58.7	59.0	61.1	62.2	64.2	64.8	65.4	65.7	65.7	66.1	66.8	66.9
GE 14000	60.4	60.8	62.8	63.9	65.9	66.6	67.1	67.4	67.4	67.8	68.5	68.6
GE 12000	62.6	62.9	64.9	66.0	68.2	68.9	69.6	69.9	69.9	70.3	71.0	71.1
GE 10000	65.3	65.6	67.7	68.8	71.0	71.7	72.4	72.7	72.7	73.1	73.8	73.9
GE 9000	66.1	66.5	68.6	69.7	71.8	72.6	73.5	73.9	73.9	74.3	74.9	75.1
GE 8000	68.2	68.6	71.0	72.0	74.2	74.9	75.9	76.3	76.3	76.9	77.5	77.6
GE 7000	69.4	69.8	72.2	73.2	75.4	76.1	77.1	77.5	77.5	78.1	78.7	78.8
GE 6000	70.2	70.6	73.0	74.2	76.3	77.1	78.1	78.5	78.5	79.0	79.7	79.8
GE 5000	71.9	72.5	74.8	76.0	78.2	78.9	79.9	80.3	80.3	80.9	81.5	81.6
GE 4500	72.4	72.9	75.3	76.5	78.6	79.4	80.3	80.8	80.8	81.3	81.9	82.0
GE 4000	74.0	74.5	77.0	78.3	80.5	81.4	82.4	82.8	82.8	83.3	84.0	84.1
GE 3500	74.8	75.4	77.8	79.1	81.4	82.4	83.3	83.8	83.8	84.3	84.9	85.1
GE 3000	74.9	75.5	78.0	79.2	81.5	82.5	83.4	83.9	83.9	84.4	85.1	85.2
GE 2500	75.6	76.1	78.6	79.9	82.3	83.2	84.2	84.6	84.6	85.2	85.8	85.9
GE 2000	76.3	76.9	79.4	80.6	83.0	84.0	85.4	85.8	85.8	86.3	87.0	87.1
GE 1800	76.3	76.9	79.4	80.6	83.0	84.0	85.4	85.8	85.8	86.3	87.0	87.1
GE 1500	77.1	77.6	80.2	81.5	83.9	84.8	86.2	86.9	86.9	87.4	88.1	88.2
GE 1200	77.3	77.8	80.6	81.9	84.3	85.3	86.7	87.4	87.4	88.0	88.6	88.7
GE 1000	77.4	78.1	80.9	82.2	84.6	85.6	87.2	88.0	88.0	88.5	89.1	89.2
GE 900	77.7	78.5	81.3	82.6	85.1	86.0	87.6	88.4	88.4	88.9	89.6	89.7
GE 800	78.1	78.8	81.7	83.0	85.5	86.6	88.3	89.0	89.0	89.6	90.2	90.3
GE 700	78.2	78.9	81.9	83.2	85.8	86.9	88.6	89.4	89.4	89.9	90.5	90.6
GE 600	78.6	79.4	82.4	83.7	86.3	87.4	89.2	90.0	90.0	90.5	91.2	91.3
GE 500	79.0	79.8	82.9	84.2	86.9	88.0	90.2	91.1	91.1	91.6	92.3	92.4
GE 400	79.1	79.9	83.1	84.5	87.4	88.5	90.9	92.0	92.3	92.8	93.4	93.5
GE 300	79.3	80.6	83.9	85.4	88.5	89.6	92.2	93.5	93.8	94.4	95.1	95.2
GE 200	79.8	80.8	84.0	85.6	88.7	89.8	92.7	94.1	94.3	94.9	95.7	95.8
GE 100	79.8	80.8	84.0	85.6	88.7	89.8	92.9	94.4	94.8	95.8	96.7	96.8
GE 000	79.8	80.8	84.0	85.6	88.7	89.8	92.9	94.4	94.8	95.8	96.7	96.8

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: JUL HOURS: 03-05

	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
.7	59.8	60.3	60.9	61.2	61.2	61.6	62.3	62.4	62.8	62.8	63.3	63.3
.7	63.8	64.4	64.9	65.3	65.3	65.7	66.3	66.5	66.9	66.9	67.4	67.4
.5	63.9	64.5	65.1	65.4	65.4	65.8	66.5	66.6	67.0	67.0	67.5	67.5
.2	64.2	64.8	65.4	65.7	65.7	66.1	66.8	66.9	67.3	67.3	67.8	67.8
.3	65.9	66.6	67.1	67.4	67.4	67.8	68.5	68.6	69.0	69.0	69.6	69.6
.0	68.2	68.9	69.6	69.9	69.9	70.3	71.0	71.1	71.5	71.5	72.0	72.0
.3	71.0	71.7	72.4	72.7	72.7	73.1	73.8	73.9	74.3	74.3	74.8	74.8
.7	71.8	72.6	73.5	73.9	73.9	74.3	74.9	75.1	75.5	75.5	76.0	76.0
.0	74.2	74.9	75.9	76.3	76.3	76.9	77.5	77.6	78.1	78.1	78.6	78.6
.2	75.4	76.1	77.1	77.5	77.5	78.1	78.7	78.8	79.2	79.2	79.8	79.8
.2	76.3	77.1	78.1	78.5	78.5	79.0	79.7	79.8	80.2	80.2	80.8	80.8
.0	78.2	78.9	79.9	80.3	80.3	80.9	81.5	81.6	82.0	82.0	82.6	82.6
.5	78.6	79.4	80.3	80.8	80.8	81.3	81.9	82.0	82.5	82.5	83.0	83.0
.3	80.5	81.4	82.4	82.8	82.8	83.3	84.0	84.1	84.5	84.5	85.1	85.1
.1	81.4	82.4	83.3	83.8	83.8	84.3	84.9	85.1	85.5	85.5	86.0	86.0
.2	81.5	82.5	83.4	83.9	83.9	84.4	85.1	85.2	85.6	85.6	86.1	86.1
.0	82.3	83.2	84.2	84.6	84.6	85.2	85.8	85.9	86.3	86.3	86.9	86.9
.5	83.0	84.0	85.4	85.8	85.8	86.3	87.0	87.1	87.5	87.5	88.1	88.1
.4	83.0	84.0	85.4	85.8	85.8	86.3	87.0	87.1	87.5	87.5	88.1	88.1
.5	83.9	84.8	86.2	86.9	86.9	87.4	88.1	88.2	88.6	88.6	89.1	89.1
.0	84.3	85.3	86.7	87.4	87.4	88.0	88.6	88.7	89.1	89.1	89.7	89.7
.2	84.6	85.6	87.2	88.0	88.0	88.5	89.1	89.2	89.7	89.7	90.2	90.2
.5	85.1	86.0	87.6	88.4	88.4	88.9	89.6	89.7	90.1	90.1	90.6	90.6
.0	85.5	86.6	88.3	89.0	89.0	89.6	90.2	90.3	90.8	90.8	91.3	91.3
.2	85.8	86.9	88.6	89.4	89.4	89.9	90.5	90.6	91.1	91.1	91.6	91.6
.7	86.3	87.4	89.2	90.0	90.0	90.5	91.2	91.3	91.7	91.7	92.3	92.3
.2	86.9	88.0	90.2	91.1	91.1	91.6	92.3	92.4	92.8	92.8	93.3	93.3
.5	87.4	88.5	90.9	92.0	92.3	92.8	93.4	93.5	94.0	94.0	94.5	94.5
.4	88.5	89.6	92.2	93.5	93.8	94.4	95.1	95.2	95.6	95.8	96.5	96.5
.2	88.7	89.8	92.7	94.1	94.3	94.9	95.7	95.8	96.7	96.9	98.3	98.4
.6	88.7	89.8	92.9	94.4	94.8	95.8	96.7	96.8	97.6	97.8	99.5	99.9
.0	88.7	89.8	92.9	94.4	94.8	95.8	96.7	96.8	97.6	97.8	99.5	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: JUL HOURS: 06

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	48.2	48.8	49.6	50.5	51.9	52.5	53.1	53.8	53.9	54.1	54.4	54.5
GE 20000	54.7	55.4	56.5	58.0	59.9	60.4	61.2	61.8	62.0	62.4	62.8	62.9
GE 18000	54.7	55.4	56.5	58.0	59.9	60.4	61.2	61.8	62.0	62.4	62.8	62.9
GE 16000	55.1	55.7	56.8	58.3	60.2	60.8	61.5	62.2	62.4	62.7	63.1	63.2
GE 14000	56.3	57.0	58.1	59.6	61.8	62.4	63.1	64.1	64.3	64.6	65.1	65.2
GE 12000	58.9	59.7	60.8	62.4	64.9	65.6	66.5	67.5	67.7	68.1	68.5	68.6
GE 10000	60.6	61.6	62.8	64.4	67.1	67.7	68.6	69.8	70.0	70.4	70.9	71.0
GE 9000	61.2	62.2	63.5	65.2	67.8	68.5	69.4	70.5	70.8	71.2	71.6	71.7
GE 8000	64.6	65.6	67.2	68.8	71.6	72.3	73.1	74.4	74.6	75.1	75.5	75.6
GE 7000	65.7	66.7	68.4	70.0	72.9	73.5	74.4	75.8	76.0	76.5	76.9	77.0
GE 6000	66.7	67.6	69.4	71.0	73.9	74.5	75.4	76.8	77.0	77.4	77.8	78.0
GE 5000	68.8	69.8	71.5	73.4	76.7	77.3	78.2	79.6	79.8	80.3	80.8	80.9
GE 4500	69.0	70.1	71.8	73.9	77.2	78.0	78.9	80.3	80.5	81.1	81.5	81.6
GE 4000	70.1	71.2	73.0	75.3	78.7	79.5	80.4	81.8	82.2	82.7	83.1	83.2
GE 3500	70.4	71.5	73.3	75.6	79.0	79.8	80.8	82.2	82.5	83.0	83.4	83.5
GE 3000	71.0	72.0	73.9	76.1	79.9	80.6	81.6	83.1	83.4	84.0	84.4	84.5
GE 2500	71.4	72.5	74.3	76.6	80.3	81.1	82.2	83.7	84.0	84.5	84.9	85.1
GE 2000	72.0	73.1	74.9	77.4	81.4	82.2	83.3	84.8	85.2	85.7	86.1	86.2
GE 1800	72.0	73.1	74.9	77.4	81.4	82.2	83.3	84.9	85.2	85.7	86.1	86.2
GE 1500	72.5	73.5	75.5	78.0	81.9	82.7	83.9	85.5	85.8	86.3	86.8	86.9
GE 1200	73.5	74.8	77.0	79.5	83.8	84.5	85.8	87.4	87.7	88.3	88.7	88.8
GE 1000	73.7	74.9	77.2	79.7	84.1	84.8	86.2	87.8	88.2	88.7	89.1	89.2
GE 900	74.3	75.6	77.8	80.3	84.7	85.5	86.9	88.5	88.8	89.4	89.8	89.9
GE 800	74.7	76.0	78.4	81.1	85.5	86.2	87.6	89.2	89.6	90.1	90.5	90.6
GE 700	74.8	76.1	78.5	81.2	85.7	86.5	87.8	89.5	89.8	90.3	90.8	90.9
GE 600	74.9	76.3	79.1	82.2	86.7	87.6	89.0	90.6	91.0	91.5	91.9	92.0
GE 500	74.9	76.3	79.5	82.6	87.3	88.3	89.7	91.6	92.0	92.6	93.0	93.1
GE 400	74.9	76.3	79.6	82.8	87.5	88.5	89.9	92.0	93.0	93.7	94.2	94.3
GE 300	74.9	76.3	79.6	82.9	87.6	88.6	90.4	92.7	94.0	94.8	95.6	95.7
GE 200	74.9	76.3	79.6	82.9	87.6	88.6	90.6	93.0	94.3	95.3	96.3	96.5
GE 100	74.9	76.3	79.6	82.9	87.6	88.6	90.6	93.1	94.4	95.4	96.6	96.7
GE 000	74.9	76.3	79.6	82.9	87.6	88.6	90.6	93.1	94.4	95.4	96.6	96.7

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
ST TO UTC: + 5 — MONTH: JUL HOURS: 06-08

CEILING	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	50.6	51.9	52.5	53.1	53.8	53.9	54.1	54.4	54.5	54.8	54.9	55.1	55.4
	58.0	59.9	60.4	61.2	61.8	62.0	62.4	62.8	62.9	63.2	63.3	63.5	63.9
	58.0	59.9	60.4	61.2	61.8	62.0	62.4	62.8	62.9	63.2	63.3	63.5	63.9
	58.3	60.2	60.8	61.5	62.2	62.4	62.7	63.1	63.2	63.5	63.7	63.9	64.2
	59.6	61.8	62.4	63.1	64.1	64.3	64.6	65.1	65.2	65.5	65.6	65.8	66.1
	62.4	64.9	65.6	66.5	67.5	67.7	68.1	68.5	68.6	68.9	69.0	69.2	69.6
	64.4	67.1	67.7	68.6	69.8	70.0	70.4	70.9	71.0	71.4	71.5	71.7	72.0
	65.2	67.8	68.5	69.4	70.5	70.8	71.2	71.6	71.7	72.2	72.3	72.5	72.8
	68.3	71.6	72.3	73.1	74.4	74.6	75.1	75.5	75.6	76.0	76.1	76.3	76.7
	70.0	72.9	73.5	74.4	75.8	76.0	76.5	76.9	77.0	77.4	77.5	77.7	78.1
	71.0	73.9	74.5	75.4	76.8	77.0	77.4	77.8	78.0	78.4	78.5	78.7	79.0
	73.4	76.7	77.3	78.2	79.6	79.8	80.3	80.8	80.9	81.3	81.4	81.6	81.9
	73.9	77.2	78.0	78.9	80.3	80.5	81.1	81.5	81.6	82.2	82.6	82.8	83.1
	75.3	78.7	79.5	80.4	81.8	82.2	82.7	83.1	83.2	83.8	84.2	84.4	84.7
	75.6	79.0	79.8	80.8	82.2	82.5	83.0	83.4	83.5	84.1	84.5	84.7	85.1
	76.1	79.9	80.6	81.6	83.1	83.4	84.0	84.4	84.5	85.1	85.5	85.7	86.0
	76.5	80.3	81.1	82.2	83.7	84.0	84.5	84.9	85.1	85.6	86.0	86.2	86.6
	77.4	81.4	82.2	83.3	84.8	85.2	85.7	86.1	86.2	86.8	87.2	87.4	87.7
	77.4	81.4	82.2	83.3	84.8	85.2	85.7	86.1	86.2	86.8	87.2	87.4	87.7
	78.0	81.9	82.7	83.9	85.5	85.8	86.3	86.8	86.9	87.4	87.8	88.1	88.4
	79.5	83.3	84.5	85.8	87.4	87.7	88.3	88.7	88.8	89.4	89.8	90.0	90.3
	79.7	84.1	84.8	86.2	87.8	88.2	88.7	89.1	89.2	89.8	90.2	90.4	90.8
	80.3	84.7	85.5	86.9	88.5	88.8	89.4	89.8	89.9	90.4	90.9	91.1	91.4
	81.1	85.5	86.2	87.6	89.2	89.6	90.1	90.5	90.6	91.2	91.6	91.8	92.2
	81.2	85.7	86.5	87.8	89.5	89.8	90.3	90.8	90.9	91.4	91.8	92.0	92.4
	82.2	86.7	87.6	89.0	90.6	91.0	91.5	91.9	92.0	92.6	93.0	93.2	93.5
	82.6	87.3	88.3	89.7	91.6	92.0	92.6	93.0	93.1	93.7	94.1	94.3	94.6
	82.8	87.5	88.5	89.9	92.0	93.0	93.7	94.2	94.3	94.8	95.3	95.5	95.8
	82.9	87.6	88.6	90.4	92.7	94.0	94.8	95.6	95.7	96.2	96.7	96.9	97.3
	82.9	87.6	88.6	90.6	93.0	94.3	95.3	96.3	96.5	97.1	97.8	98.3	99.1
	82.9	87.6	88.6	90.6	93.1	94.4	95.4	96.6	96.7	97.4	98.3	98.7	100.0
	82.9	87.6	88.6	90.6	93.1	94.4	95.4	96.6	96.7	97.4	98.3	98.7	100.0

930

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSU
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD:
LST TO UTC: + 5 — MONTH: JUL HOUR

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	G 5/
NO CEIL	49.8	51.8	52.0	52.3	52.8	53.2	53.5	53.9	53.9	53.9	53.9	53
GE 20000	57.5	59.7	60.2	60.5	61.5	61.9	62.3	62.6	62.6	62.6	62.6	62
GE 18000	58.0	60.1	60.6	61.0	61.9	62.4	62.7	63.0	63.0	63.0	63.0	63
GE 16000	58.1	60.2	60.8	61.1	62.0	62.5	62.8	63.1	63.1	63.1	63.1	63
GE 14000	60.3	62.5	63.0	63.3	64.4	64.9	65.3	65.6	65.6	65.6	65.6	65
GE 12000	63.3	65.6	66.1	66.6	67.8	68.4	68.8	69.1	69.1	69.1	69.1	69
GE 10000	66.0	68.4	69.0	69.6	71.0	71.5	71.9	72.3	72.3	72.3	72.3	72
GE 9000	67.1	69.5	70.2	70.8	72.2	72.7	73.1	73.4	73.4	73.4	73.4	73
GE 8000	70.4	73.0	73.9	74.5	76.0	76.6	77.0	77.3	77.3	77.3	77.3	77
GE 7000	71.3	73.9	74.7	75.4	76.9	77.4	77.8	78.2	78.2	78.2	78.2	78
GE 6000	72.0	74.7	75.7	76.3	77.8	78.4	78.8	79.1	79.1	79.1	79.1	79
GE 5000	73.5	76.5	78.3	78.9	80.6	81.2	81.7	82.0	82.0	82.0	82.0	82
GE 4500	73.8	76.8	78.6	79.2	81.1	81.6	82.2	82.5	82.6	82.6	82.6	82
GE 4000	73.9	76.9	79.0	79.7	81.6	82.2	82.8	83.1	83.2	83.2	83.2	83
GE 3500	74.5	77.5	79.7	80.3	82.3	82.8	83.4	83.8	83.9	83.9	83.9	83
GE 3000	75.6	78.7	80.9	81.5	83.5	84.2	84.9	85.4	85.5	85.5	85.5	85
GE 2500	77.2	80.4	82.8	83.5	85.7	86.3	87.1	87.5	87.6	87.6	87.6	87
GE 2000	79.1	82.4	84.7	85.5	87.7	88.5	89.2	89.7	89.8	89.8	89.8	89
GE 1800	79.5	82.7	85.1	85.8	88.1	88.8	89.6	90.0	90.1	90.1	90.1	90
GE 1500	80.3	83.5	86.1	87.0	89.2	90.0	91.0	91.4	91.5	91.5	91.5	91
GE 1200	81.1	84.3	87.0	87.9	90.1	90.9	92.0	92.5	92.6	92.6	92.6	92
GE 1000	81.9	85.3	88.6	89.5	91.8	92.6	94.0	94.4	94.5	94.5	94.5	94
GE 900	82.2	85.6	89.0	89.9	92.3	93.0	94.4	94.8	94.9	94.9	94.9	94
GE 800	82.4	85.9	89.5	90.3	92.8	93.5	94.9	95.4	95.5	95.5	95.5	95
GE 700	83.0	86.6	90.1	91.0	93.5	94.3	95.7	96.1	96.2	96.2	96.2	96
GE 600	83.1	86.7	90.3	91.2	93.8	94.8	96.6	97.0	97.1	97.2	97.2	97
GE 500	83.3	86.9	90.6	91.5	94.1	95.2	97.0	97.4	97.5	97.6	97.6	97
GE 400	83.3	86.9	90.9	91.7	94.3	95.4	97.3	97.8	98.1	98.5	98.5	98
GE 300	83.3	86.9	90.9	91.7	94.3	95.4	97.4	98.3	98.8	99.4	99.5	99
GE 200	83.3	86.9	90.9	91.7	94.3	95.4	97.4	98.3	98.8	99.4	99.5	99
GE 100	83.3	86.9	90.9	91.7	94.3	95.4	97.4	98.3	98.8	99.4	99.5	99
GE 000	83.3	86.9	90.9	91.7	94.3	95.4	97.4	98.3	98.8	99.4	99.5	99

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: JUL HOURS: 09-11

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
5	52.3	52.8	53.2	53.5	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
6	60.5	61.5	61.9	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
6	61.0	61.9	62.4	62.7	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
6	61.1	62.0	62.5	62.8	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
6	63.3	64.4	64.9	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
6	66.6	67.8	68.4	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
7	69.6	71.0	71.5	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
7	70.8	72.2	72.7	73.1	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
7	74.5	76.0	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
7	75.4	76.9	77.4	77.8	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
7	76.3	77.8	78.4	78.8	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
8	79.9	80.6	81.2	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
8	79.2	81.1	81.6	82.2	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
8	79.7	81.6	82.2	82.6	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
8	80.3	82.3	82.8	83.4	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
8	81.5	83.5	84.2	84.9	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
8	83.3	85.7	86.3	87.1	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
	85.5	87.7	88.5	89.2	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
9	86.9	88.1	88.8	89.6	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
91	87.0	89.2	90.0	91.0	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
92	87.9	90.1	90.9	92.0	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
94	91.5	91.8	92.6	94.0	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
94	91.9	92.3	93.0	94.4	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
95	92.3	92.8	93.5	94.9	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
96	91.0	93.5	94.3	95.7	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
97	91.2	93.8	94.8	96.6	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
97	91.5	94.1	95.2	97.0	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
98	91.7	94.3	95.4	97.3	97.8	98.1	98.5	98.5	98.5	98.5	98.5	98.5	98.5
99	91.7	94.3	95.4	97.4	98.3	98.8	99.4	99.5	99.5	99.5	99.5	99.5	99.5
99	91.7	94.3	95.4	97.4	98.3	98.8	99.4	99.5	99.6	99.8	99.8	99.9	100.0
99	91.7	94.3	95.4	97.4	98.3	98.8	99.4	99.5	99.6	99.8	99.8	99.9	100.0
99	91.7	94.3	95.4	97.4	98.3	98.8	99.4	99.5	99.6	99.8	99.8	99.9	100.0

+30

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: JUL HOURS: 12

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	
NO CEIL	44.9	46.1	46.8	47.0	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3	
GE 20000	57.4	59.1	60.1	60.5	60.8	60.8	61.1	61.1	61.1	61.1	61.1	61.1	
GE 18000	57.6	59.4	60.3	60.8	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	
GE 16000	57.7	59.5	60.4	60.9	61.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	
GE 14000	58.8	60.5	61.5	61.9	62.2	62.2	62.5	62.5	62.5	62.5	62.5	62.5	
GE 12000	61.0	62.7	63.7	64.1	64.3	64.3	64.6	64.6	64.6	64.6	64.6	64.6	
GE 10000	64.3	66.0	67.0	67.5	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	
GE 9000	65.3	67.0	68.0	68.5	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	
GE 8000	68.4	70.1	71.3	71.9	72.2	72.2	72.5	72.5	72.5	72.5	72.5	72.5	
GE 7000	69.5	71.2	72.5	73.2	73.4	73.4	73.8	73.8	73.8	73.8	73.8	73.8	
GE 6000	70.9	72.6	74.0	74.7	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	
GE 5000	73.7	75.8	77.5	78.4	79.1	79.1	79.5	79.5	79.5	79.5	79.5	79.5	
GE 4500	74.2	76.3	78.1	78.9	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	
GE 4000	76.0	78.2	80.0	81.1	81.8	81.9	82.3	82.3	82.3	82.3	82.3	82.3	
GE 3500	78.5	80.6	82.9	84.0	84.8	84.9	85.3	85.3	85.3	85.3	85.3	85.3	
GE 3000	81.8	84.2	86.6	87.7	88.8	88.9	89.2	89.2	89.2	89.2	89.2	89.2	
GE 2500	83.4	85.9	88.3	89.5	90.6	90.9	91.2	91.2	91.2	91.2	91.2	91.2	
GE 2000	84.9	87.6	90.2	91.4	92.6	92.8	93.4	93.4	93.4	93.4	93.4	93.4	
GE 1800	85.2	87.9	90.4	91.6	92.9	93.1	93.8	93.8	93.8	93.8	93.8	93.8	
GE 1500	85.6	88.5	91.1	92.4	93.7	93.9	94.5	94.5	94.5	94.5	94.5	94.5	
GE 1200	86.3	89.4	92.4	93.7	94.9	95.2	95.8	95.9	95.9	95.9	95.9	95.9	
GE 1000	86.7	89.8	92.8	94.2	95.6	95.8	96.6	96.7	96.7	96.7	96.7	96.7	
GE 900	87.1	90.2	93.2	94.6	96.0	96.2	97.0	97.1	97.1	97.1	97.1	97.1	
GE 800	87.2	90.3	93.4	94.9	96.3	96.6	97.3	97.4	97.4	97.4	97.4	97.4	
GE 700	87.5	90.6	93.8	95.3	96.7	96.9	97.7	98.0	98.0	98.0	98.0	98.0	
GE 600	87.6	90.8	93.9	95.4	96.8	97.0	97.8	98.3	98.3	98.3	98.3	98.3	
GE 500	87.6	90.8	93.9	95.4	96.8	97.0	97.8	98.4	98.4	98.4	98.4	98.4	
GE 400	87.8	91.1	94.3	95.9	97.5	97.7	98.8	99.4	99.4	99.4	99.4	99.4	
GE 300	87.8	91.1	94.3	95.9	97.5	97.7	98.8	99.5	99.6	99.6	99.6	99.6	
GE 200	87.8	91.1	94.3	95.9	97.5	97.7	98.8	99.6	99.7	99.7	99.7	99.8	1
GE 100	87.8	91.1	94.3	95.9	97.5	97.7	98.8	99.6	99.7	99.7	99.7	99.8	1
GE 000	87.8	91.1	94.3	95.9	97.5	97.7	98.8	99.6	99.7	99.7	99.7	99.8	1

TOTAL NUMBER OF OBSERVATIONS 930

1

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STN. NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
GMT: + 5 MONTH: JUL HOURS: 12-14

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
.3	47.0	47.0	47.0	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
.1	60.5	60.8	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
.3	60.8	61.0	61.0	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
.4	61.0	61.1	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
.5	61.9	62.2	62.2	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
.6	64.1	64.3	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
.1	67.5	67.7	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
.0	68.5	68.7	68.7	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
.5	71.9	72.2	72.2	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
.8	73.2	73.4	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
.3	74.7	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
.5	79.4	79.1	79.1	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
.0	79.9	79.7	79.7	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
.3	81.1	81.8	81.9	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
.2	84.9	84.8	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
.2	87.7	88.5	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
.2	90.5	90.6	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
.4	92.4	92.6	92.8	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
.8	92.9	92.9	93.1	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
.5	93.4	93.7	93.9	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
.9	94.7	94.9	95.2	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
.7	95.2	95.6	95.8	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
.1	95.5	96.0	96.2	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
.4	95.9	96.3	96.6	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
.0	96.3	96.7	96.9	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
.3	96.4	96.8	97.0	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
.4	96.4	96.8	97.0	97.8	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
.4	96.9	97.5	97.7	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
.6	96.9	97.5	97.7	98.8	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
.0	97.0	97.5	97.7	98.8	99.6	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
.0	97.0	97.5	97.7	98.8	99.6	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0
.0	97.0	97.5	97.7	98.8	99.6	99.7	99.7	99.7	99.8	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIB
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: JUL HOURS: 15-1

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	G 1/
NO CEIL	42.9	43.9	44.4	44.6	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44
GE 20000	57.1	58.7	59.8	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60
GE 18000	57.3	59.0	60.1	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60
GE 16000	57.4	59.1	60.2	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60
GE 14000	58.3	60.5	61.6	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61
GE 12000	61.2	63.0	64.1	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64
GE 10000	66.0	68.2	69.4	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69
GE 9000	66.3	68.5	69.7	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70
GE 8000	70.0	72.2	73.4	73.8	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74
GE 7000	71.1	73.2	74.5	74.8	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75
GE 6000	72.7	74.8	76.1	76.5	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76
GE 5000	74.5	77.0	78.4	78.7	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79
GE 4500	76.5	79.0	80.4	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81
GE 4000	79.4	81.8	83.8	84.3	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84
GE 3500	82.4	84.6	86.9	87.7	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88
GE 3000	84.7	87.4	90.1	91.0	91.2	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91
GE 2500	85.6	88.3	91.2	92.2	92.4	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92
GE 2000	86.3	89.1	92.0	93.1	93.3	93.3	93.7	93.9	93.9	94.0	94.1	94.1	94
GE 1800	86.5	89.2	92.2	93.2	93.5	93.5	93.9	94.1	94.1	94.2	94.3	94.3	94
GE 1500	86.8	89.6	92.5	93.9	94.2	94.2	94.6	94.8	94.8	94.9	95.1	95.1	95
GE 1200	87.3	90.2	93.7	94.9	95.4	95.4	96.0	96.2	96.2	96.3	96.5	96.5	96
GE 1000	87.5	90.4	93.9	95.2	95.8	95.8	96.5	96.7	96.7	96.8	96.9	96.9	96
GE 900	88.1	91.0	94.4	95.7	96.5	96.5	97.1	97.3	97.3	97.4	97.5	97.5	97
GE 800	88.6	91.5	94.9	96.2	97.0	97.0	97.5	98.0	98.0	98.1	98.2	98.2	98
GE 700	88.7	91.6	95.1	96.3	97.2	97.2	97.8	98.2	98.2	98.3	98.4	98.4	98
GE 600	88.8	91.7	95.2	96.6	97.5	97.5	98.2	98.5	98.5	98.6	98.7	98.7	98
GE 500	88.8	91.7	95.2	96.6	97.5	97.5	98.2	98.6	98.6	98.7	98.8	98.8	98
GE 400	88.8	91.7	95.3	96.7	97.8	97.8	98.5	98.9	98.9	99.0	99.1	99.1	99
GE 300	88.9	91.8	95.4	96.8	98.1	98.1	98.7	99.1	99.1	99.2	99.4	99.4	99
GE 200	88.9	91.8	95.4	96.8	98.1	98.1	98.7	99.1	99.2	99.5	99.8	99.8	100
GE 100	88.9	91.8	95.4	96.8	98.1	98.1	98.7	99.1	99.2	99.5	99.8	99.8	100
GE 000	88.9	91.8	95.4	96.8	98.1	98.1	98.7	99.1	99.2	99.5	99.8	99.8	100

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
EST TO UTC: + 5 — MONTH: JUL HOURS: 15-17

	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
.4	44.6	44.6	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
.8	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
.1	60.3	60.3	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
.2	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
.1	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
.4	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
.7	69.9	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
.4	73.8	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
.8	74.8	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
.1	76.5	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
.4	78.7	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
.4	80.8	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
.8	84.3	84.5	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
.4	87.7	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
.1	91.0	91.2	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
.2	92.2	92.4	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
.8	93.1	93.3	93.3	93.7	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1
.2	93.2	93.5	93.5	93.9	94.1	94.1	94.2	94.3	94.3	94.3	94.3	94.3	94.3
.7	93.9	94.2	94.2	94.6	94.8	94.8	94.9	95.1	95.1	95.1	95.1	95.1	95.1
.7	94.9	95.4	95.4	96.0	96.2	96.2	96.3	96.5	96.5	96.5	96.5	96.5	96.5
.8	95.2	95.8	95.8	96.5	96.7	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9
.4	95.7	96.5	96.5	97.1	97.3	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5
.8	96.2	97.0	97.0	97.6	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2
.1	96.3	97.2	97.2	97.8	98.2	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4
.2	96.6	97.5	97.5	98.2	98.5	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7
.2	96.6	97.5	97.5	98.2	98.6	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8
.3	96.7	97.8	97.8	98.5	98.9	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1
.4	96.8	98.1	98.1	98.7	99.1	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4
.4	96.8	98.1	98.1	98.7	99.1	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0
.4	96.8	98.1	98.1	98.7	99.1	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0
.4	96.8	98.1	98.1	98.7	99.1	99.2	99.5	99.8	99.8	100.0	100.0	100.0	100.0

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	50.6	51.8	53.4	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.
GE 20000	59.4	61.0	63.0	63.6	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.
GE 18000	59.8	61.4	63.5	64.0	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.
GE 16000	60.0	61.6	63.7	64.2	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.
GE 14000	61.1	62.7	64.9	65.4	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.
GE 12000	63.5	65.1	67.3	68.0	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.
GE 10000	68.3	70.2	72.8	73.6	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.
GE 9000	69.0	70.8	73.5	74.2	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.
GE 8000	72.6	74.7	77.5	78.2	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.
GE 7000	74.0	76.1	78.9	79.6	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.
GE 6000	75.0	77.0	79.8	80.6	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.
GE 5000	76.9	79.0	82.2	83.0	83.7	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.
GE 4500	78.1	80.2	83.4	84.2	84.9	85.1	85.6	85.6	85.6	85.6	85.6	85.6	85.
GE 4000	80.3	82.5	85.8	86.5	87.6	87.6	88.4	88.4	88.4	88.4	88.4	88.4	88.
GE 3500	82.1	84.5	87.8	88.7	89.9	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.
GE 3000	83.3	85.8	89.2	90.2	91.4	91.6	92.1	92.1	92.1	92.1	92.1	92.1	92.
GE 2500	84.1	86.5	90.0	90.9	92.1	92.5	93.0	93.0	93.0	93.0	93.2	93.2	93.
GE 2000	84.8	87.3	90.8	91.3	93.3	93.6	94.2	94.2	94.2	94.2	94.4	94.5	94.
GE 1800	84.9	87.4	91.2	92.1	93.6	94.0	94.5	94.5	94.6	94.6	94.8	94.9	94.
GE 1500	85.7	88.1	92.0	93.0	94.6	94.9	95.7	95.7	95.8	95.8	96.0	96.1	96.
GE 1200	85.7	88.1	92.0	93.0	94.6	94.9	95.8	95.8	95.9	95.9	96.1	96.2	96.
GE 1000	86.3	88.8	92.7	93.6	95.3	95.6	96.4	96.6	96.7	96.7	96.9	97.0	97.
GE 900	86.5	89.0	92.9	93.9	95.5	95.8	96.7	96.8	96.9	96.9	97.1	97.2	97.
GE 800	86.7	89.2	93.2	94.2	95.8	96.1	97.0	97.1	97.2	97.2	97.4	97.5	97.
GE 700	87.0	89.4	93.4	94.4	96.0	96.3	97.2	97.4	97.5	97.6	97.8	98.0	98.
GE 600	87.0	89.4	93.4	94.4	96.1	96.6	97.4	97.6	97.7	98.0	98.3	98.4	98.
GE 500	87.3	89.8	93.8	94.7	96.7	97.2	98.1	98.3	98.4	98.6	98.9	99.0	99.
GE 400	87.3	89.8	93.8	94.7	96.7	97.2	98.1	98.3	98.5	98.7	99.0	99.1	99.
GE 300	87.3	89.8	93.8	94.7	96.7	97.2	98.1	98.3	98.5	98.7	99.1	99.2	99.
GE 200	87.3	89.8	93.8	94.7	96.9	97.4	98.3	98.6	98.9	99.1	99.7	99.8	99.
GE 100	87.3	89.8	93.8	94.7	96.9	97.4	98.3	98.6	98.9	99.1	99.7	99.8	99.
GE 000	87.3	89.8	93.8	94.7	96.9	97.4	98.3	98.6	98.9	99.1	99.7	99.8	99.

TOTAL NUMBER OF OBSERVATIONS 928

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

TION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 MONTH: JUL HOURS: 18-20

CEILING	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
GE 22000	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 15000	63.6	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 10000	64.0	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 7000	64.2	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 5000	65.4	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 3000	68.0	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 2200	73.6	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 1500	74.2	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 1000	78.2	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 700	79.5	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 500	80.6	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 300	83.0	83.7	83.9	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 200	84.2	84.9	85.1	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 150	86.5	87.6	87.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 100	88.7	89.9	90.1	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 50	90.2	91.4	91.6	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 40	90.9	92.1	92.5	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2
GE 30	91.3	93.3	93.6	94.2	94.2	94.2	94.2	94.4	94.5	94.5	94.5	94.5	94.5
GE 20	92.1	93.6	94.0	94.5	94.5	94.6	94.6	94.8	94.9	94.9	94.9	94.9	94.9
GE 15	93.0	94.6	94.9	95.7	95.7	95.8	95.8	96.0	96.1	96.1	96.1	96.1	96.1
GE 10	93.0	94.6	94.9	95.8	95.8	95.9	95.9	96.1	96.2	96.2	96.2	96.2	96.2
GE 7	93.5	95.3	95.6	96.4	96.6	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.0
GE 5	93.9	95.5	95.8	96.7	96.8	96.9	96.9	97.1	97.2	97.2	97.2	97.2	97.2
GE 4	94.2	95.8	96.1	97.0	97.1	97.2	97.2	97.4	97.5	97.5	97.5	97.5	97.5
GE 3	94.4	96.0	96.3	97.2	97.4	97.5	97.6	97.8	98.0	98.0	98.0	98.0	98.0
GE 2	94.4	96.1	96.6	97.4	97.6	97.7	98.0	98.3	98.4	98.4	98.4	98.4	98.4
GE 1	94.7	96.7	97.2	98.1	98.3	98.4	98.6	98.9	99.0	99.0	99.0	99.0	99.0
GE 0	94.7	96.7	97.2	98.1	98.3	98.5	98.7	99.0	99.1	99.1	99.1	99.1	99.1
	94.7	96.7	97.2	98.1	98.3	98.5	98.7	99.1	99.2	99.2	99.2	99.2	99.4
	94.7	96.9	97.4	98.3	98.6	98.9	99.1	99.7	99.8	99.8	99.9	99.9	100.0
	94.7	96.9	97.4	98.3	98.6	98.9	99.1	99.7	99.8	99.8	99.9	99.9	100.0
	94.7	96.9	97.4	98.3	98.6	98.9	99.1	99.7	99.8	99.8	99.9	99.9	100.0

92#

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIB
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: JUL HOURS: 21-2

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	G 1/
NO CEIL	57.3	57.8	58.8	59.1	59.8	59.9	60.0	60.0	60.0	60.0	60.1	60.1	60
GE 20000	64.2	64.8	66.0	66.9	67.5	67.6	67.7	67.7	67.7	67.7	67.9	67.9	67
GE 18000	64.3	64.9	66.1	67.0	67.6	67.7	67.9	67.9	67.9	67.9	68.0	68.0	68
GE 16000	64.3	64.9	66.1	67.0	67.6	67.7	67.9	67.9	67.9	67.9	68.0	68.0	68
GE 14000	65.9	66.6	67.7	68.6	69.3	69.4	69.5	69.5	69.5	69.5	69.6	69.6	69
GE 12000	68.6	69.3	70.4	71.4	72.3	72.5	72.7	72.7	72.7	72.7	72.8	72.8	72
GE 10000	71.0	71.6	73.0	74.3	75.2	75.5	75.7	75.7	75.7	75.7	75.8	75.8	75
GE 9000	71.6	72.3	73.8	75.1	75.9	76.3	76.5	76.5	76.5	76.5	76.6	76.6	76
GE 8000	74.5	75.2	76.7	78.0	78.9	79.2	79.5	79.5	79.6	79.6	79.7	79.7	79
GE 7000	76.4	77.0	78.6	79.9	80.8	81.1	81.4	81.4	81.6	81.6	81.7	81.7	81
GE 6000	77.0	77.7	79.3	80.6	81.4	81.8	82.1	82.1	82.2	82.2	82.3	82.3	82
GE 5000	79.5	80.3	82.0	83.5	84.5	84.8	85.1	85.2	85.3	85.3	85.4	85.4	85
GE 4500	80.6	81.3	83.2	84.8	85.9	86.1	86.4	86.5	86.6	86.6	86.7	86.7	86
GE 4000	82.0	82.7	84.8	86.5	88.1	88.5	88.8	88.9	89.0	89.0	89.1	89.1	89
GE 3500	82.7	83.5	85.7	87.5	89.1	89.4	89.8	90.0	90.1	90.1	90.2	90.2	90
GE 3000	83.9	84.7	86.8	88.8	90.6	91.0	91.4	91.6	91.8	91.8	91.9	91.9	92
GE 2500	84.3	85.0	87.3	89.3	91.2	91.6	91.9	92.1	92.4	92.4	92.7	92.7	92
GE 2000	84.7	85.4	87.7	89.8	91.6	92.0	92.3	92.7	93.0	93.0	93.2	93.2	93
GE 1800	85.0	85.8	88.1	90.2	92.0	92.4	92.8	93.2	93.5	93.5	93.7	93.7	93
GE 1500	85.5	86.3	88.8	90.8	92.7	93.1	93.4	93.9	94.2	94.2	94.4	94.4	94
GE 1200	85.9	86.6	89.2	91.3	93.1	93.5	94.0	94.4	94.7	94.7	94.9	94.9	95
GE 1000	86.2	86.9	89.5	91.6	93.4	93.9	94.4	94.8	95.1	95.1	95.4	95.4	95
GE 900	86.3	87.1	89.8	91.8	93.6	94.1	94.6	95.0	95.4	95.4	95.6	95.6	95
GE 800	86.4	87.2	90.0	92.0	94.0	94.4	94.9	95.4	95.7	95.7	95.9	95.9	96
GE 700	86.4	87.2	90.0	92.0	94.0	94.4	94.9	95.4	95.8	95.9	96.1	96.1	96
GE 600	86.6	87.4	90.2	92.2	94.2	94.6	95.3	95.7	96.1	96.2	96.4	96.4	96
GE 500	86.6	87.4	90.2	92.2	94.2	94.6	95.5	95.9	96.3	96.5	96.8	96.8	96
GE 400	86.6	87.4	90.2	92.2	94.2	94.6	95.7	96.2	97.1	97.3	97.5	97.5	97
GE 300	86.7	87.6	90.4	92.4	94.7	95.1	96.5	97.2	98.2	98.4	98.6	98.6	98
GE 200	86.7	87.6	90.4	92.4	94.8	95.4	96.8	97.4	98.5	98.7	99.0	99.0	99
GE 100	86.7	87.6	90.4	92.4	94.8	95.4	96.8	97.4	98.5	98.7	99.0	99.0	99
GE 000	86.7	87.6	90.4	92.4	94.8	95.4	96.8	97.4	98.5	98.7	99.0	99.0	99

TOTAL NUMBER OF OBSERVATIONS 927

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
ST TO UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: JUL HOURS: 21-23

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	59.1	59.8	59.9	60.0	60.0	60.0	60.0	60.1	60.1	60.1	60.1	60.1	60.1
	66.9	67.5	67.6	67.7	67.7	67.7	67.7	67.9	67.9	67.9	67.9	67.9	67.9
	67.0	67.6	67.7	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
	67.0	67.6	67.7	67.9	67.9	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0
	68.6	69.3	69.4	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6
	71.4	72.3	72.5	72.7	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8
	74.3	75.2	75.5	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8
	75.1	75.9	76.3	76.5	76.5	76.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6
	78.0	78.9	79.2	79.5	79.5	79.6	79.6	79.7	79.7	79.8	79.8	79.8	79.8
	79.9	80.8	81.1	81.4	81.4	81.6	81.6	81.7	81.7	81.8	81.8	81.8	81.8
	80.6	81.4	81.8	82.1	82.1	82.2	82.2	82.3	82.3	82.4	82.4	82.4	82.4
	83.5	84.5	84.8	85.1	85.2	85.3	85.3	85.4	85.4	85.5	85.5	85.5	85.5
	84.8	85.8	86.1	86.4	86.5	86.6	86.6	86.7	86.7	86.8	86.8	86.8	86.8
	86.5	88.1	88.5	88.8	88.9	89.0	89.0	89.1	89.1	89.2	89.2	89.2	89.2
	87.5	89.1	89.4	89.8	90.0	90.1	90.1	90.2	90.2	90.3	90.3	90.3	90.3
	88.8	90.6	91.0	91.4	91.6	91.8	91.8	91.9	91.9	92.0	92.0	92.0	92.0
	89.3	91.2	91.6	91.9	92.1	92.4	92.4	92.7	92.7	92.8	92.8	92.8	92.8
	89.3	91.6	92.0	92.3	92.7	93.0	93.0	93.2	93.2	93.3	93.3	93.3	93.3
	90.2	92.0	92.4	92.8	93.2	93.5	93.5	93.7	93.7	93.9	94.1	94.1	94.1
	90.8	92.7	93.1	93.4	93.9	94.2	94.2	94.4	94.4	94.5	94.7	94.7	94.7
	91.3	93.1	93.5	94.0	94.4	94.7	94.7	94.9	94.9	95.0	95.3	95.3	95.3
	91.6	93.4	93.9	94.4	94.8	95.1	95.1	95.4	95.4	95.5	95.7	95.7	95.7
	91.8	93.6	94.1	94.6	95.0	95.4	95.4	95.6	95.6	95.7	95.9	95.9	95.9
	92.0	94.0	94.4	94.9	95.4	95.7	95.7	95.9	95.9	96.0	96.2	96.2	96.2
	92.0	94.0	94.4	94.9	95.4	95.8	95.9	96.1	96.1	96.2	96.4	96.4	96.4
	92.2	94.2	94.6	95.3	95.7	96.1	96.2	96.4	96.4	96.5	96.8	96.8	96.8
	92.2	94.2	94.6	95.5	95.9	96.3	96.5	96.8	96.8	96.9	97.1	97.1	97.1
	92.2	94.2	94.6	95.7	96.2	97.1	97.3	97.5	97.5	97.6	97.8	97.8	97.8
	92.4	94.7	95.1	96.5	97.2	98.2	98.4	98.6	98.6	98.8	99.0	99.0	99.0
	92.4	94.8	95.4	96.8	97.4	98.5	98.7	99.0	99.0	99.5	99.8	99.8	99.8
	92.4	94.8	95.4	96.8	97.4	98.5	98.7	99.0	99.0	99.6	99.9	100.0	100.0
	92.4	94.8	95.4	96.8	97.4	98.5	98.7	99.0	99.0	99.6	99.9	100.0	100.0

927

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	51.3	52.2	53.2	53.8	54.6	54.8	55.1	55.3	55.3	55.4	55.5	55.6	55.7
GE 20000	59.4	60.6	61.9	62.7	63.6	63.8	64.1	64.3	64.4	64.5	64.7	64.7	64.8
GE 18000	59.6	60.8	62.1	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.9	64.9	65.0
GE 16000	59.8	61.0	62.3	63.1	64.0	64.2	64.5	64.7	64.8	64.9	65.1	65.1	65.2
GE 14000	61.2	62.5	63.8	64.5	65.5	65.8	66.1	66.3	66.4	66.5	66.7	66.7	66.8
GE 12000	63.6	64.9	66.2	67.0	68.1	68.4	68.8	69.0	69.1	69.2	69.4	69.4	69.5
GE 10000	66.7	68.1	69.6	70.5	71.6	72.0	72.3	72.6	72.6	72.8	72.9	73.0	73.1
GE 9000	67.4	68.8	70.3	71.3	72.4	72.7	73.2	73.4	73.5	73.6	73.8	73.8	73.9
GE 8000	70.4	71.9	73.5	74.5	75.7	76.0	76.4	76.7	76.8	77.0	77.1	77.1	77.3
GE 7000	71.7	73.2	74.8	75.8	77.1	77.4	77.8	78.1	78.2	78.4	78.5	78.5	78.7
GE 6000	72.7	74.2	75.9	76.9	78.1	78.4	78.9	79.2	79.3	79.4	79.6	79.6	79.7
GE 5000	74.7	76.4	78.3	79.4	80.8	81.1	81.7	82.0	82.0	82.2	82.4	82.4	82.5
GE 4500	75.5	77.2	79.1	80.3	81.7	82.0	82.6	82.9	83.0	83.1	83.3	83.3	83.5
GE 4000	77.1	78.8	80.9	82.2	83.8	84.1	84.7	85.1	85.2	85.3	85.5	85.5	85.6
GE 3500	78.4	80.1	82.3	83.7	85.3	85.7	86.3	86.7	86.8	86.9	87.1	87.1	87.2
GE 3000	79.7	81.5	83.8	85.2	86.9	87.3	88.0	88.3	88.4	88.6	88.8	88.8	88.9
GE 2500	80.5	82.3	84.7	86.2	88.0	88.4	89.1	89.4	89.5	89.7	89.9	89.9	90.1
GE 2000	81.4	83.2	85.7	87.2	89.1	89.5	90.3	90.7	90.8	91.0	91.2	91.2	91.4
GE 1800	81.5	83.4	85.9	87.4	89.3	89.7	90.5	90.9	91.0	91.2	91.4	91.5	91.6
GE 1500	82.1	84.0	86.6	88.1	90.0	90.5	91.3	91.8	91.9	92.1	92.3	92.3	92.5
GE 1200	82.6	84.5	87.3	88.9	90.8	91.3	92.2	92.7	92.9	93.0	93.2	93.3	93.4
GE 1000	83.0	84.9	87.8	89.3	91.4	91.8	92.9	93.4	93.6	93.7	94.0	94.0	94.1
GE 900	83.3	85.3	88.2	89.7	91.8	92.2	93.3	93.8	94.0	94.1	94.4	94.4	94.5
GE 800	83.6	85.6	88.5	90.1	92.2	92.7	93.8	94.3	94.4	94.6	94.8	94.9	95.0
GE 700	83.8	85.8	88.7	90.3	92.5	93.0	94.1	94.6	94.8	95.0	95.2	95.2	95.4
GE 600	83.9	85.9	89.0	90.6	92.8	93.4	94.5	95.1	95.3	95.5	95.7	95.8	95.9
GE 500	84.0	86.1	89.2	90.8	93.1	93.7	94.9	95.6	95.8	96.1	96.3	96.3	96.5
GE 400	84.1	86.1	89.3	91.0	93.4	93.9	95.3	96.1	96.5	96.8	97.1	97.1	97.3
GE 300	84.2	86.3	89.5	91.2	93.7	94.2	95.8	96.7	97.2	97.6	97.9	97.9	98.1
GE 200	84.2	86.3	89.5	91.2	93.8	94.4	96.0	97.0	97.6	98.0	98.4	98.5	98.5
GE 100	84.2	86.3	89.5	91.2	93.8	94.4	96.1	97.0	97.7	98.1	98.6	98.7	99.1
GE 000	84.2	86.3	89.5	91.2	93.8	94.4	96.1	97.0	97.7	98.1	98.6	98.7	99.1

TOTAL NUMBER OF OBSERVATIONS 7435

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
LST TO UTC: + 5 — MONTH: JUL HOURS: ALL

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES													
	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
6	53.2	53.8	54.6	54.8	55.1	55.3	55.3	55.4	55.5	55.6	55.7	55.7	55.8	55.8
6														
5	61.9	62.7	63.6	63.8	64.1	64.3	64.4	64.5	64.7	64.7	64.8	64.8	64.9	64.9
6	62.1	62.9	63.8	64.0	64.4	64.6	64.6	64.7	64.9	64.9	65.0	65.0	65.1	65.2
6	62.3	63.1	64.0	64.2	64.5	64.7	64.8	64.9	65.1	65.1	65.2	65.2	65.3	65.3
	63.8	64.5	65.5	65.8	66.1	66.3	66.4	66.5	66.7	66.7	66.8	66.8	66.9	66.9
7	67.2	67.0	68.1	68.4	68.8	69.0	69.1	69.2	69.4	69.4	69.5	69.5	69.6	69.6
7														
7	70.6	70.5	71.6	72.0	72.3	72.6	72.6	72.8	72.9	73.0	73.1	73.1	73.2	73.2
7	71.3	71.3	72.4	72.7	73.2	73.4	73.5	73.6	73.8	73.8	73.9	73.9	74.0	74.1
7	73.5	74.5	75.7	76.0	76.4	76.7	76.8	77.0	77.1	77.1	77.3	77.3	77.4	77.4
	74.8	75.8	77.1	77.4	77.8	78.1	78.2	78.4	78.5	78.5	78.7	78.7	78.8	78.8
8	75.9	76.9	78.1	78.4	78.9	79.2	79.3	79.4	79.6	79.6	79.7	79.7	79.8	79.9
8														
8	78.3	79.4	80.8	81.1	81.7	82.0	82.0	82.2	82.4	82.4	82.5	82.5	82.6	82.7
8	80.1	80.3	81.7	82.0	82.6	82.9	83.0	83.1	83.3	83.3	83.5	83.5	83.6	83.6
8	82.9	82.2	83.8	84.1	84.7	85.1	85.2	85.3	85.5	85.5	85.6	85.7	85.8	85.8
	82.3	83.7	85.3	85.7	86.3	86.7	86.8	86.9	87.1	87.1	87.2	87.3	87.4	87.4
9	83.3	85.2	86.9	87.3	88.0	88.3	88.4	88.6	88.8	88.8	88.9	89.0	89.1	89.1
9														
9	84.7	86.2	88.0	88.4	89.1	89.4	89.5	89.7	89.9	89.9	90.1	90.1	90.2	90.3
9	85.7	87.2	89.1	89.5	90.3	90.7	90.8	91.0	91.2	91.2	91.4	91.4	91.5	91.5
9	86.9	87.4	89.3	89.7	90.5	90.9	91.0	91.2	91.4	91.5	91.6	91.7	91.8	91.8
	86.6	88.1	90.0	90.5	91.3	91.8	91.9	92.1	92.3	92.3	92.5	92.6	92.7	92.7
9	87.3	88.9	90.8	91.3	92.2	92.7	92.9	93.0	93.2	93.3	93.4	93.5	93.6	93.7
9														
9	87.6	89.3	91.4	91.8	92.9	93.4	93.6	93.7	94.0	94.0	94.1	94.2	94.3	94.4
9	88.2	89.7	91.8	92.2	93.3	93.8	94.0	94.1	94.4	94.4	94.5	94.6	94.7	94.8
9	88.5	90.1	92.2	92.7	93.8	94.3	94.4	94.6	94.8	94.9	95.0	95.1	95.2	95.3
	88.7	90.3	92.5	93.0	94.1	94.6	94.8	95.0	95.2	95.2	95.4	95.5	95.6	95.6
9	89.2	90.6	92.8	93.4	94.5	95.1	95.3	95.5	95.7	95.8	95.9	96.0	96.1	96.2
9														
9	89.2	90.3	93.1	93.7	94.9	95.6	95.8	96.1	96.3	96.3	96.5	96.6	96.7	96.7
9	89.3	91.0	93.4	93.9	95.3	96.1	96.5	96.8	97.1	97.1	97.3	97.4	97.5	97.5
9	89.5	91.2	93.7	94.2	95.8	96.7	97.2	97.6	97.9	97.9	98.1	98.2	98.4	98.4
	89.5	91.2	93.8	94.4	96.0	97.0	97.6	98.0	98.4	98.5	98.8	99.0	99.3	99.5
9	89.5	91.2	93.8	94.4	96.1	97.0	97.7	98.1	98.6	98.7	99.1	99.3	99.7	100.0
	89.5	91.2	93.8	94.4	96.1	97.0	97.7	98.1	98.6	98.7	99.1	99.3	99.7	100.0

PTS 7435

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AU
LST TO UTC: + 5 — MONTH: AUG HOURS: 0

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	50.5	50.6	51.4	51.9	53.4	53.8	54.2	54.5	54.5	54.7	55.1	55.2
GE 20000	54.4	54.6	55.5	56.0	57.6	58.0	58.4	58.9	58.9	59.1	59.5	59.6
GE 18000	54.4	54.6	55.5	56.0	57.6	58.0	58.4	58.9	58.9	59.1	59.5	59.6
GE 16000	54.5	54.7	55.6	56.1	57.7	58.1	58.5	59.0	59.0	59.2	59.6	59.7
GE 14000	55.5	55.7	56.6	57.1	58.7	59.0	59.5	60.0	60.0	60.2	60.5	60.6
GE 12000	57.8	58.1	58.9	59.5	61.1	61.4	61.8	62.4	62.4	62.6	62.9	63.0
GE 10000	60.3	60.5	61.4	61.9	63.5	63.9	64.3	64.8	64.8	65.1	65.4	65.5
GE 9000	60.6	60.9	61.7	62.3	63.9	64.2	64.6	65.2	65.2	65.4	65.7	65.8
GE 8000	61.3	61.5	62.5	63.0	64.8	65.2	65.6	66.1	66.1	66.3	66.7	66.8
GE 7000	62.4	62.6	63.5	64.2	66.0	66.3	67.0	67.6	67.6	67.8	68.2	68.3
GE 6000	64.0	64.2	65.2	65.8	67.7	68.1	68.7	69.4	69.4	69.6	69.9	70.0
GE 5000	65.9	66.3	67.5	68.3	70.4	70.8	71.4	72.0	72.0	72.3	72.6	72.7
GE 4500	68.0	68.6	69.8	70.6	72.8	73.1	73.8	74.4	74.4	74.6	74.9	75.1
GE 4000	69.5	70.1	71.4	72.5	75.1	75.7	76.3	77.0	77.1	77.3	77.6	77.7
GE 3500	70.4	71.1	72.6	73.9	76.3	77.0	77.6	78.3	78.5	78.7	79.0	79.1
GE 3000	70.9	71.6	73.3	74.6	77.3	78.0	78.7	79.5	79.7	79.9	80.2	80.3
GE 2500	71.6	72.4	74.1	75.5	78.2	78.8	79.6	80.3	80.5	80.8	81.1	81.2
GE 2000	73.4	74.3	76.1	77.6	80.4	81.1	81.8	82.6	82.8	83.0	83.3	83.4
GE 1800	73.5	74.4	76.2	77.7	80.5	81.2	81.9	82.7	82.9	83.1	83.4	83.5
GE 1500	74.0	74.8	76.7	78.2	81.2	81.8	82.7	83.4	83.7	83.9	84.2	84.3
GE 1200	74.2	75.1	76.9	78.4	81.4	82.0	82.9	83.7	83.9	84.1	84.4	84.5
GE 1000	74.2	75.1	76.9	78.4	81.4	82.0	82.9	83.7	83.9	84.1	84.4	84.5
GE 900	74.3	75.2	77.0	78.5	81.5	82.2	83.0	83.8	84.0	84.2	84.5	84.6
GE 800	74.4	75.3	77.1	78.6	81.6	82.3	83.4	84.2	84.4	84.6	84.9	85.1
GE 700	74.6	75.5	77.4	78.9	82.3	82.9	84.1	84.8	85.1	85.3	85.6	85.7
GE 600	74.9	75.8	77.7	79.2	82.8	83.5	84.8	85.6	85.8	86.1	86.5	86.6
GE 500	75.3	76.1	78.2	79.7	83.5	84.3	85.8	86.8	87.0	87.3	87.6	87.7
GE 400	75.5	76.3	78.4	80.0	84.0	84.7	86.5	87.7	88.1	88.5	88.9	89.0
GE 300	75.6	76.5	78.5	80.3	84.4	85.2	87.2	89.5	90.0	90.6	91.4	91.6
GE 200	75.6	76.5	78.5	80.3	84.4	85.2	87.3	90.3	91.5	92.4	93.4	93.8
GE 100	75.7	76.6	78.6	80.4	84.5	85.3	87.5	90.5	91.8	92.9	94.2	94.5
GE 000	75.7	76.6	78.6	80.4	84.5	85.3	87.5	90.5	91.8	92.9	94.2	94.5

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
LTC: + 5 MONTH: AUG HOURS: 00-02

	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	53.4	53.8	54.2	54.5	54.5	54.7	55.1	55.2	55.3	55.3	55.5	55.5
	57.6	58.0	58.4	58.9	58.9	59.1	59.5	59.6	59.7	59.7	59.9	59.9
	57.6	58.0	58.4	58.9	58.9	59.1	59.5	59.6	59.7	59.7	59.9	59.9
	57.7	58.1	58.5	59.0	59.0	59.2	59.6	59.7	59.8	59.8	60.0	60.0
	58.7	59.0	59.5	60.0	60.0	60.2	60.5	60.6	60.8	60.8	61.0	61.0
	61.1	61.4	61.8	62.4	62.4	62.6	62.9	63.0	63.1	63.1	63.3	63.3
	63.5	63.9	64.3	64.8	64.8	65.1	65.4	65.5	65.6	65.6	65.8	65.8
	63.9	64.2	64.6	65.2	65.2	65.4	65.7	65.8	65.9	65.9	66.1	66.1
	64.8	65.2	65.6	66.1	66.1	66.3	66.7	66.8	66.9	66.9	67.1	67.1
	66.0	66.3	67.0	67.6	67.6	67.8	68.2	68.3	68.4	68.4	68.6	68.6
	67.7	68.1	68.7	69.4	69.4	69.6	69.9	70.0	70.1	70.1	70.3	70.3
	70.4	70.8	71.4	72.0	72.0	72.3	72.6	72.7	72.8	72.8	73.0	73.0
	72.9	73.1	73.8	74.4	74.4	74.6	74.9	75.1	75.2	75.2	75.4	75.4
	75.1	75.7	76.3	77.0	77.1	77.3	77.6	77.7	77.8	77.8	78.1	78.1
	76.3	77.0	77.6	78.3	78.5	78.7	79.0	79.1	79.2	79.2	79.5	79.5
	77.3	78.0	78.7	79.5	79.7	79.9	80.2	80.3	80.4	80.4	80.6	80.6
	78.2	78.8	79.6	80.3	80.5	80.8	81.1	81.2	81.3	81.3	81.5	81.5
	80.4	81.1	81.8	82.6	82.8	83.0	83.3	83.4	83.5	83.5	83.8	83.8
	80.5	81.2	81.9	82.7	82.9	83.1	83.4	83.5	83.7	83.7	83.9	83.9
	81.2	81.8	82.7	83.4	83.7	83.9	84.2	84.3	84.4	84.4	84.6	84.6
	81.4	82.0	82.9	83.7	83.9	84.1	84.4	84.5	84.6	84.6	84.8	84.8
	81.4	82.0	82.9	83.7	83.9	84.1	84.4	84.5	84.6	84.6	84.8	84.8
	81.5	82.2	83.0	83.8	84.0	84.2	84.5	84.6	84.7	84.7	84.9	84.9
	81.6	82.3	83.4	84.2	84.4	84.6	84.9	85.1	85.2	85.2	85.4	85.4
	82.3	82.9	84.1	84.8	85.1	85.3	85.6	85.7	85.8	85.8	86.0	86.0
	82.8	83.5	84.8	85.6	85.8	86.1	86.5	86.6	86.7	86.7	86.9	86.9
	83.5	84.3	85.8	86.8	87.0	87.3	87.6	87.7	87.8	87.8	88.1	88.1
	84.0	84.7	86.5	87.7	88.1	88.5	88.9	89.0	89.1	89.1	89.4	89.4
	84.4	85.2	87.2	89.5	90.0	90.6	91.4	91.6	92.0	92.3	92.5	92.5
	84.4	85.2	87.3	90.3	91.5	92.4	93.4	93.8	95.4	95.8	97.1	97.2
	84.5	85.3	87.5	90.5	91.8	92.9	94.2	94.5	96.1	96.7	98.7	99.8
	84.5	85.3	87.5	90.5	91.8	92.9	94.2	94.5	96.1	96.7	98.7	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBIL
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	44.8	44.9	46.5	46.9	48.6	49.4	49.8	50.5	50.6	51.1	51.2	51.3	51.4
GE 20000	48.1	48.2	49.9	50.3	52.0	52.8	53.2	54.3	54.4	54.8	54.9	55.1	55.2
GE 18000	48.3	48.4	50.1	50.5	52.3	53.0	53.4	54.5	54.6	55.1	55.2	55.3	55.4
GE 16000	48.4	48.5	50.2	50.6	52.4	53.1	53.5	54.6	54.7	55.2	55.3	55.4	55.5
GE 14000	49.6	49.7	51.4	51.8	53.5	54.3	54.7	55.8	55.9	56.3	56.5	56.6	56.7
GE 12000	51.0	51.1	52.8	53.2	55.1	55.9	56.2	57.3	57.4	57.8	58.0	58.1	58.2
GE 10000	53.1	53.2	54.9	55.4	57.2	58.0	58.4	59.5	59.6	60.0	60.1	60.2	60.3
GE 9000	53.5	53.7	55.4	55.8	57.6	58.4	58.8	59.9	60.0	60.4	60.5	60.6	60.8
GE 8000	54.8	54.9	56.7	57.1	59.0	59.8	60.2	61.3	61.4	61.9	62.0	62.2	62.3
GE 7000	55.5	55.6	57.3	57.7	59.7	60.4	60.9	61.9	62.0	62.6	62.7	62.8	62.9
GE 6000	56.7	56.8	58.5	59.1	61.2	61.9	62.4	63.4	63.5	64.1	64.2	64.3	64.4
GE 5000	58.5	58.6	60.6	61.3	63.3	64.1	64.5	65.6	65.7	66.2	66.3	66.5	66.6
GE 4500	60.4	60.5	62.6	63.2	65.3	66.0	66.6	67.6	67.7	68.3	68.4	68.5	68.6
GE 4000	61.9	62.0	64.3	65.1	67.2	68.1	68.6	69.7	69.8	70.3	70.4	70.5	70.6
GE 3500	63.1	63.2	65.6	66.5	68.6	69.6	70.2	71.3	71.4	71.9	72.0	72.2	72.3
GE 3000	63.7	63.8	66.2	67.2	69.4	70.3	71.1	72.2	72.3	72.8	72.9	73.0	73.1
GE 2500	64.3	64.5	67.2	68.3	70.5	71.5	72.3	73.4	73.5	74.1	74.2	74.3	74.4
GE 2000	65.4	65.7	68.4	70.0	72.3	73.2	74.0	75.3	75.4	75.9	76.0	76.1	76.2
GE 1800	65.9	66.2	68.9	70.6	72.8	73.8	74.5	75.8	75.9	76.5	76.6	76.7	76.8
GE 1500	66.3	66.7	69.4	71.0	73.2	74.2	74.9	76.3	76.5	77.0	77.1	77.2	77.3
GE 1200	66.9	67.2	69.9	71.5	73.8	74.7	75.5	76.9	77.0	77.5	77.6	77.7	77.8
GE 1000	67.5	67.8	70.8	72.6	74.8	75.8	76.7	78.3	78.4	78.9	79.0	79.1	79.2
GE 900	67.6	68.0	70.9	72.8	75.1	76.0	76.9	78.5	78.6	79.1	79.2	79.4	79.5
GE 800	68.0	68.3	71.2	73.1	75.4	76.3	77.3	78.9	79.0	79.6	79.7	79.8	79.9
GE 700	68.4	68.7	71.6	73.5	76.0	77.0	78.0	79.6	79.7	80.2	80.3	80.4	80.5
GE 600	68.4	68.7	71.7	73.7	76.2	77.2	78.4	80.1	80.3	80.9	81.0	81.1	81.2
GE 500	68.7	69.0	72.5	74.7	77.6	78.7	80.4	82.4	82.7	83.2	83.3	83.4	83.5
GE 400	69.7	70.2	73.8	76.1	79.6	80.8	83.0	85.3	85.6	86.2	86.3	86.5	86.6
GE 300	69.9	70.4	74.0	76.3	79.9	81.1	83.5	86.1	86.5	87.5	88.2	88.4	89.0
GE 200	69.9	70.4	74.0	76.3	79.9	81.2	83.9	87.3	88.0	89.4	90.4	90.6	92.7
GE 100	69.9	70.4	74.0	76.5	80.1	81.4	84.3	87.8	88.5	90.0	91.6	91.9	94.0
GE 000	69.9	70.4	74.0	76.5	80.1	81.4	84.3	87.8	88.5	90.0	91.6	91.9	94.0

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

TION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TC UTC: + 5 — MONTH: AUG HOURS: 03-05

CEILING	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	46.9	48.6	49.4	49.8	50.5	50.6	51.1	51.2	51.3	51.4	51.5	51.8	51.8
	50.3	52.0	52.8	53.2	54.3	54.4	54.8	54.9	55.1	55.2	55.3	55.7	55.7
	50.5	52.3	53.0	53.4	54.5	54.6	55.1	55.2	55.3	55.4	55.5	55.9	55.9
	50.6	52.4	53.1	53.5	54.6	54.7	55.2	55.3	55.4	55.5	55.6	56.0	56.0
	51.8	53.5	54.3	54.7	55.8	55.9	56.3	56.5	56.6	56.7	56.8	57.2	57.2
	53.2	55.1	55.8	56.2	57.3	57.4	57.8	58.0	58.1	58.2	58.3	58.7	58.7
	55.4	57.2	58.0	58.4	59.5	59.6	60.0	60.1	60.2	60.3	60.4	60.9	60.9
	55.8	57.6	58.4	58.8	59.9	60.0	60.4	60.5	60.6	60.8	60.9	61.3	61.3
	57.1	59.0	59.8	60.2	61.3	61.4	61.9	62.0	62.2	62.3	62.4	62.8	62.8
	57.7	59.7	60.4	60.9	61.9	62.0	62.6	62.7	62.8	62.9	63.0	63.4	63.4
	59.1	61.2	61.9	62.4	63.4	63.5	64.1	64.2	64.3	64.4	64.5	64.9	64.9
	61.3	63.3	64.1	64.5	65.6	65.7	66.2	66.3	66.5	66.6	66.7	67.1	67.1
	63.2	65.3	66.0	66.6	67.6	67.7	68.3	68.4	68.5	68.6	68.7	69.1	69.1
	66.1	67.2	68.1	68.6	69.7	69.8	70.3	70.4	70.5	70.6	70.8	71.2	71.2
	66.5	68.6	69.6	70.2	71.3	71.4	71.9	72.0	72.2	72.3	72.4	72.8	72.8
	67.2	69.4	70.3	71.1	72.2	72.3	72.8	72.9	73.0	73.1	73.2	73.7	73.7
	68.3	70.5	71.5	72.3	73.4	73.5	74.1	74.2	74.3	74.4	74.5	74.9	74.9
	70.0	72.3	73.2	74.0	75.3	75.4	75.9	76.0	76.1	76.2	76.3	76.8	76.8
	70.6	72.8	73.8	74.5	75.8	75.9	76.5	76.6	76.7	76.8	76.9	77.3	77.3
	71.0	73.2	74.2	74.9	76.3	76.5	77.0	77.1	77.2	77.3	77.4	77.8	77.8
	71.5	73.8	74.7	75.5	76.9	77.0	77.5	77.6	77.7	77.8	78.0	78.4	78.4
	72.6	74.8	75.8	76.7	78.3	78.4	78.9	79.0	79.1	79.2	79.4	79.8	79.8
	72.8	75.1	76.0	76.9	78.5	78.6	79.1	79.2	79.4	79.5	79.6	80.0	80.0
	73.1	75.4	76.3	77.3	78.9	79.0	79.6	79.7	79.8	79.9	80.0	80.4	80.4
	73.5	76.0	77.0	78.0	79.6	79.7	80.2	80.3	80.4	80.5	80.6	81.1	81.1
	73.7	76.2	77.2	78.4	80.1	80.3	80.9	81.0	81.1	81.2	81.3	81.7	81.7
	74.7	77.6	78.7	80.4	82.4	82.7	83.2	83.3	83.4	83.5	83.7	84.4	84.4
	75.1	79.6	80.8	83.0	85.3	85.6	86.2	86.3	86.5	86.6	86.7	87.4	87.4
	76.3	79.9	81.1	83.5	86.1	86.5	87.5	88.2	88.4	89.0	89.1	89.9	89.9
	76.3	79.9	81.2	83.9	87.3	88.0	89.4	90.4	90.6	92.7	93.2	94.7	95.3
	76.5	80.1	81.4	84.3	87.8	88.5	90.0	91.6	91.9	94.0	94.7	96.9	99.4
	76.5	80.1	81.4	84.3	87.8	88.5	90.0	91.6	91.9	94.0	94.7	96.9	100.0

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OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS V
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: A
LST TO UTC: + 5 — MONTH: AUG — HOURS: 0

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	40.2	40.5	42.2	43.1	45.1	45.7	46.5	46.6	47.0	47.3	47.3	47.3
GE 20000	43.9	44.2	46.2	47.2	49.2	49.9	50.6	50.9	51.4	51.8	51.8	51.8
GE 18000	43.9	44.2	46.2	47.2	49.2	49.9	50.6	50.9	51.4	51.8	51.8	51.8
GE 16000	44.2	44.5	46.6	47.5	49.6	50.2	51.0	51.2	51.7	52.2	52.2	52.2
GE 14000	44.5	44.8	46.9	47.8	50.1	50.8	51.5	51.7	52.3	52.7	52.7	52.7
GE 12000	45.9	46.2	48.3	49.2	51.6	52.3	53.0	53.3	53.9	54.3	54.3	54.3
GE 10000	48.5	48.9	51.0	52.0	54.4	55.1	55.8	56.2	56.8	57.2	57.2	57.2
GE 9000	49.5	49.9	51.9	53.0	55.4	56.0	56.3	57.2	57.7	58.2	58.2	58.2
GE 8000	51.6	52.0	54.1	55.2	57.8	58.5	59.2	59.7	60.4	60.9	61.0	61.0
GE 7000	52.6	53.0	55.1	56.1	59.1	59.8	60.8	61.2	61.9	62.4	62.5	62.5
GE 6000	53.0	53.4	55.6	56.7	59.8	60.4	61.4	61.8	62.6	63.0	63.1	63.1
GE 5000	54.5	55.1	57.3	58.4	61.6	62.4	63.4	64.0	64.7	65.2	65.3	65.3
GE 4500	55.1	55.7	58.1	59.1	62.4	63.2	64.3	64.9	65.7	66.1	66.2	66.2
GE 4000	56.7	57.4	60.4	61.7	65.5	66.3	67.5	68.2	68.9	69.4	69.5	69.5
GE 3500	57.2	58.0	61.0	62.3	66.1	67.0	68.2	68.8	69.6	70.0	70.1	70.1
GE 3000	57.7	58.5	61.6	63.0	67.0	67.8	69.0	69.9	71.0	71.4	71.5	71.5
GE 2500	58.1	58.8	61.9	63.4	67.4	68.3	69.5	70.3	71.4	71.9	72.0	72.0
GE 2000	59.6	60.3	63.5	65.1	69.1	70.0	71.4	72.5	73.7	74.2	74.3	74.3
GE 1800	59.8	60.5	63.8	65.3	69.6	70.4	71.8	72.9	74.1	74.6	74.7	74.7
GE 1500	60.8	61.5	64.8	66.3	71.0	71.9	73.5	74.6	75.8	76.5	76.6	76.6
GE 1200	61.6	62.4	65.7	67.2	71.8	72.9	74.6	75.8	77.0	77.6	77.7	77.7
GE 1000	62.7	63.4	66.8	68.4	73.1	74.3	76.2	77.4	78.6	79.2	79.4	79.4
GE 900	63.4	64.2	67.7	69.4	74.1	75.5	77.5	78.8	80.0	80.6	80.8	80.8
GE 800	64.3	65.1	68.7	70.3	75.3	76.8	78.8	80.2	81.4	82.0	82.2	82.2
GE 700	64.5	65.3	69.2	70.9	76.0	77.7	79.8	81.3	82.5	83.1	83.2	83.2
GE 600	64.8	65.6	69.7	71.5	77.0	79.7	81.1	82.6	83.8	84.4	84.5	84.5
GE 500	64.9	65.8	70.3	72.5	78.0	79.8	82.6	84.2	85.5	86.2	86.3	86.5
GE 400	65.2	66.0	70.6	73.0	78.6	80.8	83.8	86.2	87.6	88.5	88.7	88.8
GE 300	65.5	66.3	71.1	73.3	79.1	81.4	84.6	88.3	90.3	91.5	92.3	92.4
GE 200	65.5	66.3	71.1	73.5	79.1	81.5	84.7	88.6	90.9	92.2	93.3	93.4
GE 100	65.5	66.3	71.2	73.7	79.2	81.6	84.8	88.9	91.2	92.5	93.7	93.6
GE 000	65.5	66.3	71.2	73.7	79.2	81.6	84.8	88.9	91.2	92.5	93.7	93.8

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STN NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 — MONTH: AUG HOURS: 06-08

CEILING GE	VISIBILITY IN STATUTE MILES GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
7.6	.1	45.1	45.7	46.5	46.6	47.0	47.3	47.3	47.3	47.6	47.7	47.8	48.0
2.2	.2	49.2	49.9	50.6	50.9	51.4	51.8	51.8	51.8	52.2	52.4	52.5	52.6
2.2	.2	49.2	49.9	50.6	50.9	51.4	51.8	51.8	51.8	52.2	52.4	52.5	52.6
2.5	.5	49.6	50.2	51.0	51.2	51.7	52.2	52.2	52.2	52.5	52.7	52.8	52.9
3.0	.6	50.1	50.8	51.5	51.7	52.3	52.7	52.7	52.7	53.0	53.2	53.3	53.4
4.6	.2	51.6	52.3	53.0	53.3	53.9	54.3	54.3	54.3	54.6	54.8	54.9	55.1
7.5	.0	54.4	55.1	55.8	56.2	56.8	57.2	57.2	57.2	57.5	57.7	57.8	58.0
8.5	.3	55.4	56.0	56.3	57.2	57.7	58.2	58.2	58.2	58.5	58.7	58.8	58.9
1.3	.2	57.3	58.5	59.2	59.7	60.4	60.9	61.0	61.0	61.3	61.5	61.6	61.7
2.8	.1	59.1	59.8	60.8	61.2	61.9	62.4	62.5	62.5	62.8	63.0	63.1	63.2
3.4	.7	59.8	60.4	61.4	61.8	62.6	63.0	63.1	63.1	63.4	63.7	63.8	63.9
5.4	.4	61.6	62.4	63.4	64.0	64.7	65.2	65.3	65.3	65.6	65.8	65.9	66.0
6.5	.1	62.4	63.2	64.3	64.9	65.7	66.1	66.2	66.2	66.6	66.8	66.9	67.0
9.3	.7	65.5	66.3	67.5	68.2	68.9	69.4	69.5	69.5	69.8	70.0	70.1	70.2
0.4	.3	66.1	67.0	68.2	68.8	69.6	70.0	70.1	70.1	70.4	70.6	70.8	70.9
1.8	.7	67.0	67.8	69.0	69.9	71.0	71.4	71.5	71.5	71.8	72.0	72.2	72.3
2.4	.4	67.4	68.3	69.5	70.3	71.4	71.9	72.0	72.0	72.4	72.6	72.7	72.8
4.7	.1	69.1	70.0	71.4	72.5	73.7	74.2	74.3	74.3	74.7	74.9	75.1	75.2
5.2	.8	69.6	70.4	71.8	72.9	74.1	74.6	74.7	74.7	75.2	75.4	75.5	75.6
7.0	.4	71.0	71.9	73.5	74.6	75.8	76.5	76.6	76.6	77.0	77.2	77.3	77.4
8.2	.2	71.8	72.9	74.6	75.8	77.0	77.6	77.7	77.7	78.2	78.4	78.5	78.6
9.8	.4	73.1	74.3	76.2	77.4	78.6	79.2	79.4	79.4	79.8	80.0	80.1	80.2
1.2	.4	74.1	75.5	77.5	78.8	80.0	80.6	80.8	80.8	81.2	81.4	81.5	81.6
2.6	.3	75.3	76.8	78.8	80.2	81.4	82.0	82.2	82.2	82.6	82.8	82.9	83.0
3.7	.9	76.0	77.7	79.8	81.3	82.5	83.1	83.2	83.2	83.7	83.9	84.0	84.1
4.9	.6	77.0	78.7	81.1	82.6	83.8	84.4	84.5	84.5	84.9	85.2	85.3	85.4
7.0	.6	79.0	79.8	82.6	84.2	85.5	86.2	86.3	86.5	87.0	87.2	87.3	87.4
9.6	.0	79.6	80.8	83.8	86.2	87.6	88.5	88.7	88.8	89.6	89.8	89.9	90.0
0.4	.3	79.1	81.4	84.6	88.3	90.3	91.5	92.3	92.4	93.4	93.7	93.9	94.6
0.2	.5	79.1	81.5	84.7	88.6	90.9	92.2	93.3	93.4	95.2	95.5	96.5	97.8
0.6	.7	79.2	81.6	84.8	88.9	91.2	92.5	93.7	93.8	95.6	96.3	97.8	100.0
0.6	.7	79.2	81.6	84.8	88.9	91.2	92.5	93.7	93.8	95.6	96.3	97.8	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS V
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: A
LST TO UTC: + 5 MONTH: AUG HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	40.1	40.9	41.7	42.0	42.0	42.3	42.5	42.6	42.7	42.7	42.7	42.7
GE 20000	45.9	47.0	48.3	48.7	48.8	49.0	49.4	49.5	49.6	49.6	49.6	49.6
GE 18000	46.3	47.4	48.7	49.1	49.2	49.5	49.8	49.9	50.0	50.0	50.0	50.0
GE 16000	46.3	47.4	48.7	49.1	49.2	49.5	49.8	49.9	50.0	50.0	50.0	50.0
GE 14000	47.3	48.4	49.7	50.1	50.2	50.4	50.8	50.9	51.0	51.0	51.0	51.0
GE 12000	48.7	49.8	51.1	51.5	51.6	51.8	52.2	52.3	52.4	52.4	52.4	52.4
GE 10000	51.1	52.2	53.7	54.3	54.6	54.8	55.2	55.3	55.4	55.4	55.4	55.4
GE 9000	51.3	52.9	54.4	55.3	55.4	55.6	55.9	56.0	56.1	56.1	56.1	56.1
GE 8000	54.4	55.6	57.1	58.3	58.5	58.7	59.0	59.4	59.6	59.6	59.6	59.6
GE 7000	55.9	57.2	58.9	60.0	60.2	60.4	60.8	61.1	61.3	61.3	61.3	61.3
GE 6000	56.2	57.5	59.1	60.3	60.6	60.9	61.2	61.5	61.7	61.7	61.7	61.7
GE 5000	57.4	58.7	60.3	61.6	62.3	62.5	62.8	63.1	63.3	63.3	63.3	63.3
GE 4500	58.2	59.5	61.2	62.5	63.2	63.4	63.8	64.1	64.3	64.3	64.3	64.3
GE 4000	59.8	61.2	63.5	64.9	65.8	66.0	66.3	66.7	66.9	66.9	66.9	66.9
GE 3500	60.5	62.0	64.4	65.8	66.8	67.0	67.3	67.6	67.8	67.8	67.8	67.8
GE 3000	63.0	64.5	67.0	68.5	69.6	69.9	70.2	70.5	70.8	70.8	70.8	70.8
GE 2500	64.3	65.8	68.4	69.9	71.1	71.4	71.7	72.0	72.3	72.3	72.3	72.3
GE 2000	66.9	68.5	71.2	72.9	74.2	74.5	74.8	75.2	75.4	75.4	75.4	75.4
GE 1800	68.1	69.7	72.4	74.1	75.5	75.8	76.1	76.5	76.7	76.7	76.7	76.7
GE 1500	70.5	72.2	74.9	76.7	78.1	78.4	78.9	79.2	79.5	79.5	79.5	79.5
GE 1200	72.6	74.2	77.1	78.9	80.2	80.5	81.1	81.4	81.6	81.6	81.6	81.6
GE 1000	74.2	75.8	78.9	80.6	82.0	82.4	83.0	83.3	83.5	83.5	83.5	83.5
GE 900	75.1	76.9	80.3	82.5	83.9	84.2	84.8	85.2	85.4	85.4	85.4	85.4
GE 800	76.1	78.1	81.7	84.0	85.5	85.8	86.7	87.0	87.2	87.2	87.2	87.2
GE 700	76.7	78.6	82.6	84.9	86.7	87.2	88.2	88.7	88.9	88.9	88.9	88.9
GE 600	77.2	79.2	83.3	86.2	88.2	88.7	90.2	90.8	91.0	91.0	91.0	91.0
GE 500	77.4	79.4	84.1	87.1	89.2	89.9	91.9	92.9	93.2	93.2	93.3	93.3
GE 400	77.7	80.1	84.4	87.4	89.7	90.3	92.3	94.3	95.1	95.1	95.3	95.3
GE 300	77.7	80.1	84.4	87.4	89.8	90.6	93.5	95.5	96.5	96.8	97.4	97.5
GE 200	77.7	80.1	84.4	87.4	90.0	90.9	93.8	95.7	96.9	97.3	98.5	98.8
GE 100	77.7	80.1	84.4	87.4	90.0	90.9	93.8	95.7	96.9	97.3	98.5	98.8
GE 000	77.7	80.1	84.4	87.4	90.0	90.9	93.8	95.7	96.9	97.3	98.5	98.8

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: AUG HOURS: 09-11

	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	42.0	42.3	42.5	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
7	48.8	49.0	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
1	49.2	49.5	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
1	49.2	49.5	49.8	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
1	50.2	50.4	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
	51.6	51.8	52.2	52.3	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
	54.6	54.8	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
3	55.4	55.6	55.9	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
3	58.5	58.7	59.0	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
	60.2	60.4	60.8	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
	60.6	60.9	61.2	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
	62.3	62.5	62.8	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
	63.2	63.4	63.8	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
	65.8	66.0	66.3	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
	67.8	67.0	67.3	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
	69.6	69.9	70.2	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
	71.1	71.4	71.7	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
	74.2	74.5	74.8	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
1	75.5	75.8	76.1	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
7	78.1	78.4	78.9	79.2	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	
	80.2	80.5	81.1	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
	82.0	82.4	83.0	83.3	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
	83.9	84.2	84.8	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
	85.5	85.8	86.7	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
	86.7	87.2	88.2	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
	89.2	89.7	90.2	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
	89.2	89.9	91.9	92.9	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3
	90.7	90.3	92.8	94.3	95.1	95.1	95.3	95.3	95.3	95.4	95.4	95.4
	89.8	90.6	93.5	95.5	96.5	96.8	97.4	97.5	97.5	97.6	97.6	97.6
	90.0	90.9	93.8	95.7	96.9	97.3	98.5	98.8	99.4	99.9	99.9	99.9
	90.0	90.9	93.8	95.7	96.9	97.3	98.5	98.8	99.4	99.9	99.9	100.0
	90.0	90.9	93.8	95.7	96.9	97.3	98.5	98.8	99.4	99.9	99.9	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: AUG HOURS: 12-

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	39.6	39.8	40.1	40.2	40.2	40.3	40.4	40.4	40.4	40.4	40.4	40.4	4
GE 20000	49.9	50.2	50.5	50.8	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	5
GE 18000	50.5	50.9	51.3	51.5	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	5
GE 16000	50.5	50.9	51.3	51.5	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	5
GE 14000	51.5	51.8	52.3	52.5	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	5
GE 12000	53.2	53.5	54.2	54.5	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	5
GE 10000	56.8	57.2	58.0	58.3	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	5
GE 9000	57.0	57.4	58.2	58.5	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	5
GE 8000	58.8	59.2	60.0	60.5	60.6	60.8	60.9	60.9	60.9	60.9	60.9	60.9	6
GE 7000	60.1	60.5	61.3	61.8	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	6
GE 6000	61.0	61.4	62.2	62.7	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	6
GE 5000	62.6	63.1	64.1	64.6	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.1	6
GE 4500	63.2	63.8	64.8	65.5	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	6
GE 4000	65.8	66.7	68.1	68.9	69.1	69.2	69.4	69.5	69.5	69.5	69.5	69.5	6
GE 3500	69.9	70.8	72.3	73.1	73.4	73.7	73.8	73.9	73.9	73.9	73.9	73.9	7
GE 3000	72.5	73.5	75.3	76.2	76.6	76.8	77.0	77.1	77.1	77.1	77.1	77.1	7
GE 2500	75.5	76.6	78.3	79.2	79.6	79.8	80.0	80.1	80.1	80.1	80.1	80.1	8
GE 2000	78.7	80.0	81.9	82.9	83.3	83.5	83.8	83.9	83.9	83.9	83.9	83.9	8
GE 1800	79.8	81.1	83.1	84.1	84.5	84.7	84.9	85.1	85.1	85.1	85.1	85.1	8
GE 1500	81.8	83.2	85.4	86.3	86.8	87.1	87.3	87.4	87.4	87.4	87.4	87.4	8
GE 1200	84.3	85.7	88.0	89.0	89.5	89.8	90.1	90.2	90.2	90.2	90.2	90.2	9
GE 1000	85.1	86.6	89.1	90.3	90.9	91.3	91.6	91.7	91.7	91.7	91.7	91.7	9
GE 900	85.5	87.1	90.0	91.2	91.9	92.4	92.7	92.9	92.9	92.9	92.9	92.9	9
GE 800	85.7	87.4	90.3	91.5	92.7	93.1	93.5	93.8	93.8	93.8	93.8	93.8	9
GE 700	86.1	88.0	91.2	92.3	94.3	94.7	95.3	95.5	95.5	95.5	95.5	95.5	9
GE 600	86.7	88.5	91.8	93.7	95.4	96.0	96.9	97.3	97.3	97.3	97.3	97.3	9
GE 500	86.9	88.7	92.2	94.0	95.9	96.6	97.4	98.3	98.3	98.3	98.3	98.3	9
GE 400	86.9	88.7	92.2	94.0	95.9	96.7	97.6	98.8	99.0	99.0	99.0	99.0	9
GE 300	86.9	88.7	92.2	94.1	96.2	97.1	98.2	99.4	99.6	99.6	99.7	99.7	9
GE 200	86.9	88.7	92.2	94.1	96.2	97.1	98.2	99.4	99.7	99.7	99.8	99.8	9
GE 100	86.9	88.7	92.2	94.1	96.2	97.1	98.2	99.4	99.7	99.7	99.8	99.8	9
GE 000	86.9	88.7	92.2	94.1	96.2	97.1	98.2	99.4	99.7	99.7	99.8	99.8	9

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC + 5 MONTH: AUG HOURS: 12-14

CEILING	VISIBILITY IN STATUTE MILES											
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
[illegible]	40.2	40.2	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
[illegible]	50.9	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
[illegible]	51.6	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
[illegible]	51.6	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
[illegible]	52.6	52.6	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
[illegible]	54.6	54.6	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
[illegible]	58.4	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
[illegible]	58.6	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
[illegible]	60.6	60.6	60.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
[illegible]	62.0	62.0	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
[illegible]	62.9	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
[illegible]	64.8	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
[illegible]	65.7	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
[illegible]	69.1	69.1	69.2	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
[illegible]	73.4	73.4	73.7	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
[illegible]	76.6	76.6	76.8	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
[illegible]	79.6	79.6	79.8	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
[illegible]	83.3	83.3	83.5	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
[illegible]	84.5	84.5	84.7	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
[illegible]	86.8	86.8	87.1	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
[illegible]	89.5	89.5	89.8	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
[illegible]	90.9	90.9	91.3	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
[illegible]	91.9	91.9	92.4	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
[illegible]	92.7	92.7	93.1	93.5	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
[illegible]	94.3	94.3	94.7	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
[illegible]	95.4	95.4	96.0	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
[illegible]	95.9	95.9	96.6	97.4	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
[illegible]	95.9	95.9	96.7	97.6	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
[illegible]	96.2	96.2	97.1	98.2	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
[illegible]	96.2	96.2	97.1	98.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.9
[illegible]	96.2	96.2	97.1	98.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0
[illegible]	96.2	96.2	97.1	98.2	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	45.1	46.1	46.6	46.6	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 20000	54.7	55.8	56.3	56.3	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 18000	54.9	56.0	56.6	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 16000	54.9	56.0	56.6	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 14000	56.1	57.2	57.7	57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 12000	58.5	59.6	60.2	60.2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
GE 10000	60.8	61.8	62.5	62.5	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 9000	61.8	62.9	63.5	63.5	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 8000	63.4	64.6	65.3	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 7000	64.1	65.4	66.1	66.1	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 6000	64.9	66.2	67.0	67.0	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 5000	66.3	67.6	68.5	68.5	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 4500	67.4	68.7	69.7	69.8	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 4000	70.1	71.4	72.6	72.9	73.1	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 3500	73.0	74.4	75.8	76.1	76.5	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 3000	75.4	77.0	78.7	79.1	79.5	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 2500	78.2	79.8	81.5	81.9	82.5	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 2000	80.6	82.6	84.6	85.4	86.0	86.7	86.8	86.8	86.8	86.8	86.8	87.0	87.0
GE 1800	81.3	83.2	85.3	86.0	87.0	87.6	87.7	87.7	87.7	87.7	87.7	88.0	88.0
GE 1500	82.0	84.3	86.5	87.3	88.3	88.9	89.0	89.0	89.0	89.0	89.0	89.2	89.2
GE 1200	84.0	86.5	88.8	89.8	90.9	91.5	91.6	91.6	91.6	91.6	91.6	91.8	91.8
GE 1000	84.8	87.4	90.0	91.2	92.7	93.3	93.4	93.4	93.4	93.4	93.4	93.7	93.7
GE 900	85.3	87.8	90.4	91.6	93.5	94.2	94.3	94.3	94.3	94.3	94.3	94.5	94.5
GE 800	85.6	88.3	90.9	92.0	94.0	94.7	94.8	94.8	94.8	94.8	94.8	95.1	95.1
GE 700	86.0	88.9	91.5	92.7	95.2	96.0	96.2	96.2	96.2	96.2	96.2	96.5	96.5
GE 600	86.0	88.9	91.7	93.0	95.6	96.5	97.2	97.2	97.3	97.4	97.4	97.6	97.6
GE 500	86.0	88.9	92.0	93.3	95.9	96.8	97.8	98.1	98.2	98.4	98.4	98.6	98.6
GE 400	86.0	88.9	92.0	93.4	96.2	97.2	98.3	98.6	98.8	99.0	99.0	99.2	99.2
GE 300	86.0	88.9	92.0	93.4	96.2	97.2	98.3	98.8	99.4	99.6	99.7	99.9	99.9
GE 200	86.0	88.9	92.0	93.4	96.2	97.2	98.3	98.8	99.4	99.7	99.8	100.0	100.0
GE 100	86.0	88.9	92.0	93.4	96.2	97.2	98.3	98.8	99.4	99.7	99.8	100.0	100.0
GE 000	86.0	88.9	92.0	93.4	96.2	97.2	98.3	98.8	99.4	99.7	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: AUG HOURS: 15-17

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
[illegible]	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
[illegible].3	56.3	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
[illegible].6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
[illegible].6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
57.7	57.7	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
[illegible].2	60.2	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
[illegible].8	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
[illegible].5	63.5	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
[illegible].3	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
.1	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
[illegible].0	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
[illegible].5	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
[illegible].3	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
[illegible].3	73.1	73.5	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
.1	76.5	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
[illegible].1	79.5	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
[illegible].9	82.5	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
.4	86.0	86.7	86.8	86.8	86.8	86.8	86.8	87.0	87.0	87.0	87.0	87.0
[illegible].0	87.0	87.6	87.7	87.7	87.7	87.7	87.7	88.0	88.0	88.0	88.0	88.0
7.3	88.3	88.9	89.0	89.0	89.0	89.0	89.0	89.2	89.2	89.2	89.2	89.2
[illegible].4	90.9	91.5	91.6	91.6	91.6	91.6	91.6	91.8	91.8	91.8	91.8	91.8
[illegible].2	92.7	93.3	93.4	93.4	93.4	93.4	93.4	93.7	93.7	93.7	93.7	93.7
[illegible].6	93.5	94.2	94.3	94.3	94.3	94.3	94.3	94.5	94.5	94.5	94.5	94.5
[illegible].3	94.0	94.7	94.8	94.8	94.8	94.8	94.8	95.1	95.1	95.1	95.1	95.1
.7	95.2	96.0	96.2	96.2	96.2	96.2	96.2	96.5	96.5	96.5	96.5	96.5
[illegible].0	95.5	96.5	97.2	97.2	97.3	97.4	97.4	97.6	97.6	97.6	97.6	97.6
[illegible].3	95.9	96.8	97.8	98.1	98.2	98.4	98.4	98.6	98.6	98.6	98.6	98.6
[illegible].4	96.2	97.2	98.3	98.6	98.8	99.0	99.0	99.2	99.2	99.2	99.2	99.2
[illegible].4	96.2	97.2	98.3	98.8	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9
.4	96.2	97.2	98.3	98.8	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0
[illegible].4	96.2	97.2	98.3	98.8	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0
[illegible].4	96.2	97.2	98.3	98.8	99.4	99.7	99.8	100.0	100.0	100.0	100.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: AUG HOURS: 18-

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	50.6	51.8	52.6	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	5
GE 20000	58.0	59.2	60.6	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	6
GE 18000	58.2	59.5	60.9	61.3	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	6
GE 16000	58.3	59.6	61.0	61.4	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	6
GE 14000	60.0	61.4	62.9	63.3	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	6
GE 12000	62.8	64.2	65.7	66.1	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	6
GE 10000	64.1	65.6	67.3	67.8	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	6
GE 9000	65.2	66.8	68.5	69.0	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	6
GE 8000	67.3	68.9	70.9	71.7	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	7
GE 7000	68.3	69.9	72.0	73.0	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	7
GE 6000	69.4	71.0	73.1	74.1	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	7
GE 5000	70.8	72.5	74.7	75.7	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	7
GE 4500	71.4	73.1	75.4	76.3	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	7
GE 4000	72.8	74.7	77.2	78.3	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	7
GE 3500	74.0	75.9	78.6	79.7	80.1	80.4	80.4	80.6	80.8	80.9	80.9	80.9	8
GE 3000	75.7	77.7	80.5	81.9	82.5	82.8	82.8	83.0	83.1	83.2	83.2	83.2	8
GE 2500	76.6	78.8	81.8	83.7	84.2	84.5	84.5	84.7	84.8	84.9	84.9	84.9	8
GE 2000	78.8	81.2	84.4	86.6	87.3	88.0	88.1	88.3	88.4	88.5	88.5	88.5	8
GE 1800	79.1	81.5	84.7	87.0	87.8	88.5	88.6	88.8	88.9	89.0	89.0	89.0	8
GE 1500	79.2	81.8	85.1	87.3	88.3	88.9	89.1	89.4	89.5	89.6	89.6	89.6	8
GE 1200	79.5	82.2	85.6	88.3	89.5	90.1	90.3	90.5	90.6	90.8	90.8	90.8	9
GE 1000	80.2	83.0	86.8	89.6	90.9	91.6	91.9	92.3	92.4	92.5	92.5	92.5	9
GE 900	80.8	83.5	87.4	90.2	91.6	92.4	92.7	93.0	93.1	93.2	93.2	93.2	9
GE 800	81.4	84.3	88.5	91.3	92.9	93.7	94.1	94.4	94.5	94.6	94.6	94.6	9
GE 700	81.6	84.6	89.0	91.9	93.5	94.6	95.2	95.7	95.8	95.9	95.9	95.9	9
GE 600	81.7	84.7	89.1	92.0	93.9	95.2	95.7	96.3	96.5	96.6	96.6	96.6	9
GE 500	81.8	84.8	89.4	92.3	94.4	95.9	96.5	97.2	97.3	97.4	97.6	97.6	9
GE 400	81.8	84.8	89.4	92.3	94.6	96.1	97.0	97.7	98.1	98.5	98.7	98.7	9
GE 300	81.8	84.8	89.4	92.3	94.7	96.2	97.2	98.1	98.6	99.0	99.2	99.2	9
GE 200	81.8	84.8	89.4	92.3	94.7	96.2	97.2	98.1	98.6	99.0	99.5	99.6	9
GE 100	81.8	84.8	89.4	92.3	94.7	96.2	97.2	98.1	98.6	99.0	99.6	99.7	9
GE 000	81.8	84.8	89.4	92.3	94.7	96.2	97.2	98.1	98.6	99.0	99.6	99.7	9

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC: + 5 MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
[illegible]	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
[illegible]	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
[illegible]	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
[illegible]	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
[illegible]	63.5	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
[illegible]	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
[illegible]	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
[illegible]	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
71.7	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
[illegible]	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
[illegible]	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
[illegible]	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
[illegible]	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
[illegible]	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
79.7	80.1	80.4	80.4	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
[illegible]	82.5	82.8	82.8	83.0	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
[illegible]	84.2	84.5	84.5	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
[illegible]	87.3	88.0	88.1	88.3	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5
[illegible]	87.8	88.5	88.6	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0
[illegible]	88.3	88.9	89.1	89.4	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
[illegible]	89.5	90.1	90.3	90.5	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8
[illegible]	90.9	91.6	91.9	92.3	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
[illegible]	91.6	92.4	92.7	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
[illegible]	92.9	93.7	94.1	94.4	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
[illegible]	93.5	94.6	95.2	95.7	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
[illegible]	93.9	95.2	95.7	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6
[illegible]	94.4	95.9	96.5	97.2	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6
[illegible]	94.6	96.1	97.0	97.7	98.1	98.5	98.7	98.7	98.7	98.7	98.7	98.7
[illegible]	94.7	96.2	97.2	98.1	98.6	99.0	99.2	99.2	99.4	99.4	99.4	99.4
[illegible]	94.7	96.2	97.2	98.1	98.6	99.0	99.5	99.6	99.7	99.8	99.9	99.9
[illegible]	94.7	96.2	97.2	98.1	98.6	99.0	99.6	99.7	99.8	99.9	100.0	100.0
[illegible]	94.7	96.2	97.2	98.1	98.6	99.0	99.6	99.7	99.8	99.9	100.0	100.0

[illegible]

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: AUG HOURS: 21-

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	53.8	54.1	55.2	55.5	56.9	57.0	57.1	57.3	57.3	57.4	57.4	57.4	5
GE 20000	57.1	57.4	58.6	59.2	60.6	60.8	60.9	61.1	61.1	61.2	61.2	61.2	6
GE 18000	57.3	57.6	58.8	59.5	60.9	61.0	61.1	61.3	61.3	61.4	61.4	61.4	6
GE 16000	57.5	57.8	59.0	59.7	61.1	61.2	61.3	61.5	61.5	61.6	61.6	61.6	6
GE 14000	59.0	59.4	60.6	61.3	62.7	62.8	62.9	63.1	63.1	63.2	63.2	63.2	6
GE 12000	60.5	61.0	62.4	63.0	64.4	64.5	64.6	64.8	64.8	64.9	64.9	64.9	6
GE 10000	61.6	62.0	63.4	64.1	65.5	65.6	65.7	66.1	66.1	66.2	66.2	66.2	6
GE 9000	61.7	62.2	63.5	64.3	65.7	65.8	65.9	66.3	66.3	66.5	66.5	66.5	6
GE 8000	63.3	63.9	65.5	66.5	68.0	68.1	68.2	68.6	68.6	68.7	68.7	68.7	6
GE 7000	64.2	64.7	66.5	67.5	68.9	69.0	69.1	69.6	69.6	69.7	69.7	69.7	6
GE 6000	66.0	66.6	68.3	69.4	70.8	70.9	71.0	71.4	71.4	71.5	71.5	71.5	7
GE 5000	68.4	68.9	70.6	71.8	73.3	73.4	73.5	74.0	74.0	74.1	74.1	74.1	7
GE 4500	69.8	70.3	72.0	73.3	74.9	75.1	75.2	75.6	75.6	75.7	75.7	75.7	7
GE 4000	71.0	71.5	73.4	74.7	76.3	76.6	76.7	77.1	77.1	77.2	77.2	77.2	7
GE 3500	72.3	72.8	74.9	76.2	78.0	78.2	78.6	79.4	79.4	79.5	79.5	79.5	7
GE 3000	73.8	74.8	77.1	78.7	80.6	80.9	81.4	82.2	82.2	82.3	82.3	82.3	8
GE 2500	75.2	76.2	78.5	80.4	82.4	82.6	83.1	83.9	83.9	84.0	84.0	84.0	8
GE 2000	78.2	79.4	81.6	83.5	85.6	85.9	86.5	87.2	87.2	87.3	87.3	87.3	8
GE 1800	78.2	79.4	81.6	83.7	85.7	86.0	86.7	87.4	87.4	87.5	87.5	87.5	8
GE 1500	78.5	79.7	82.2	84.3	86.5	86.8	87.4	88.2	88.2	88.3	88.3	88.3	8
GE 1200	78.8	80.0	82.5	84.6	86.9	87.2	87.8	88.6	88.6	88.7	88.7	88.7	8
GE 1000	78.9	80.1	82.6	84.7	87.0	87.3	88.1	88.8	88.8	88.9	88.9	88.9	8
GE 900	79.9	81.0	83.4	85.8	88.2	88.5	89.2	90.0	90.0	90.1	90.1	90.1	9
GE 800	80.2	81.4	84.0	86.3	88.7	89.0	89.9	90.6	90.6	90.8	90.8	90.8	9
GE 700	80.3	81.5	84.2	86.9	89.6	90.0	91.0	91.7	91.7	91.8	91.8	91.8	9
GE 600	80.3	81.5	84.4	87.1	90.0	90.4	91.6	92.6	92.7	92.8	92.8	92.8	9
GE 500	80.3	81.5	84.4	87.1	90.3	90.8	92.4	93.5	93.7	93.9	93.9	93.9	9
GE 400	80.3	81.5	84.4	87.1	90.4	91.4	93.0	94.4	94.5	94.7	94.7	94.7	9
GE 300	80.4	81.6	84.5	87.3	90.8	91.9	93.8	95.9	96.3	96.7	96.9	97.0	9
GE 200	80.4	81.6	84.5	87.3	90.8	91.9	93.8	96.0	96.8	97.8	98.3	98.5	9
GE 100	80.4	81.6	84.5	87.3	90.8	91.9	93.8	96.0	96.8	97.8	98.3	98.6	9
GE 000	80.4	81.6	84.5	87.3	90.8	91.9	93.8	96.0	96.8	97.8	98.3	98.6	9

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
ST TO UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: AUG HOURS: 21-23

	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	55.5	56.9	57.0	57.1	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4
	59.2	60.6	60.8	60.9	61.1	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2
	59.5	60.9	61.0	61.1	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
	59.7	61.1	61.2	61.3	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6
	61.3	62.7	62.8	62.9	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2
	63.0	64.4	64.5	64.6	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9
	64.1	65.5	65.6	65.7	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2
	64.3	65.7	65.8	65.9	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5
	66.5	68.0	68.1	68.2	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7
	67.5	68.9	69.0	69.1	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7
	69.4	70.8	70.9	71.0	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5
	71.3	73.3	73.4	73.5	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1
	73.3	74.9	75.1	75.2	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
	74.7	76.3	76.6	76.7	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2
	76.2	78.0	78.2	78.6	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5
	78.7	80.6	80.9	81.4	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
	80.4	82.4	82.6	83.1	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0
	83.5	85.6	85.9	86.5	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
	83.7	85.7	86.0	86.7	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5
	84.3	86.5	86.8	87.4	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3
	84.6	86.9	87.2	87.8	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7
	84.7	87.0	87.3	88.1	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9
	85.8	88.2	88.5	89.2	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1
	86.3	88.7	89.0	89.9	90.6	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8
	86.9	89.6	90.0	91.0	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8
	87.1	90.0	90.4	91.6	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
	87.1	90.3	90.8	92.4	93.5	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9
	87.1	90.4	91.4	93.0	94.4	94.5	94.7	94.7	94.7	94.9	94.9	94.9	94.9
	87.3	90.8	91.9	93.8	95.9	96.3	96.7	96.9	97.0	97.4	97.4	97.4	97.4
	87.3	90.8	91.9	93.8	96.0	96.8	97.8	98.3	98.5	99.1	99.1	99.6	99.6
	87.3	90.8	91.9	93.8	96.0	96.8	97.8	98.3	98.6	99.4	99.4	99.9	100.0
	87.3	90.8	91.9	93.8	96.0	96.8	97.8	98.3	98.6	99.4	99.4	99.9	100.0

930

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD:
LST TO UTC: + 5 — MONTH: AUG HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	45.6	46.1	47.0	47.4	48.3	48.5	48.8	49.0	49.1	49.2	49.3	49.
GE 20000	51.5	52.1	53.3	53.7	54.6	54.9	55.2	55.5	55.6	55.7	55.8	55.
GE 18000	51.7	52.3	53.5	54.0	54.9	55.2	55.5	55.7	55.8	56.0	56.0	56.
GE 16000	51.8	52.4	53.6	54.1	55.0	55.3	55.6	55.8	55.9	56.1	56.1	56.
GE 14000	52.9	53.5	54.6	55.2	56.1	56.5	56.7	57.0	57.1	57.2	57.3	57.
GE 12000	54.8	55.4	56.7	57.2	58.1	58.4	58.7	59.0	59.1	59.2	59.3	59.
GE 10000	57.0	57.7	59.0	59.6	60.6	60.9	61.1	61.5	61.6	61.7	61.8	61.
GE 9000	57.6	58.3	59.7	60.2	61.2	61.5	61.8	62.1	62.2	62.4	62.4	62.
GE 8000	59.4	60.1	61.5	62.2	63.3	63.6	63.9	64.2	64.4	64.5	64.6	64.
GE 7000	60.4	61.1	62.6	63.3	64.5	64.8	65.1	65.5	65.6	65.8	65.8	65.
GE 6000	61.4	62.1	63.6	64.4	65.6	65.9	66.2	66.6	66.7	66.9	66.9	67.
GE 5000	63.1	63.9	65.5	66.3	67.6	67.9	68.2	68.6	68.8	68.9	69.0	69.
GE 4500	64.2	65.0	66.7	67.6	68.9	69.2	69.6	70.0	70.1	70.3	70.3	70.
GE 4000	65.9	66.9	68.9	69.9	71.4	71.8	72.2	72.6	72.7	72.9	72.9	73.
GE 3500	67.6	68.5	70.6	71.7	73.2	73.7	74.1	74.6	74.8	75.0	75.0	75.
GE 3000	69.1	70.2	72.5	73.7	75.3	75.8	76.3	76.8	77.0	77.2	77.2	77.
GE 2500	70.5	71.6	74.0	75.3	77.0	77.5	78.0	78.5	78.7	78.9	79.0	79.
GE 2000	72.7	74.0	76.5	78.0	79.8	80.4	80.9	81.5	81.7	81.9	81.9	82.
GE 1800	73.2	74.5	77.0	78.5	80.4	81.0	81.5	82.1	82.3	82.5	82.6	82.
GE 1500	74.2	75.5	78.1	79.7	81.7	82.3	82.9	83.5	83.7	83.9	84.0	84.
GE 1200	75.2	76.6	79.3	81.0	83.0	83.6	84.2	84.8	85.1	85.3	85.3	85.
GE 1000	76.0	77.4	80.2	82.0	84.1	84.8	85.5	86.1	86.3	86.5	86.6	86.
GE 900	76.5	78.0	80.9	82.7	85.0	85.7	86.4	87.1	87.3	87.5	87.6	87.
GE 800	77.0	78.5	81.5	83.4	85.8	86.5	87.3	88.0	88.2	88.4	88.5	88.
GE 700	77.3	78.9	82.1	84.1	86.7	87.5	88.5	89.2	89.4	89.6	89.7	89.
GE 600	77.5	79.1	82.4	84.6	87.4	88.3	89.5	90.3	90.6	90.8	90.9	90.
GE 500	77.7	79.3	82.9	85.1	88.1	89.1	90.6	91.7	92.0	92.2	92.4	92.
GE 400	77.9	79.6	83.1	85.4	88.6	89.7	91.5	92.9	93.3	93.7	93.8	93.
GE 300	78.0	79.7	83.3	85.5	88.9	90.1	92.0	93.9	94.6	95.2	95.6	95.
GE 200	78.0	79.7	83.3	85.6	88.9	90.1	92.1	94.3	95.2	95.9	96.6	96.
GE 100	78.0	79.7	83.3	85.6	89.0	90.2	92.2	94.4	95.3	96.1	96.9	97.
GE 000	78.0	79.7	83.3	85.6	89.0	90.2	92.2	94.4	95.3	96.1	96.9	97.

TOTAL NUMBER OF OBSERVATIONS 7440

SI

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: AUG HOURS: ALL

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
1/												
4	43.3	48.5	48.8	49.0	49.1	49.2	49.3	49.3	49.4	49.4	49.5	49.5
	54.6	54.9	55.2	55.5	55.6	55.7	55.8	55.8	55.8	55.9	56.0	56.0
	54.9	55.2	55.5	55.7	55.8	56.0	56.0	56.0	56.1	56.2	56.3	56.3
	55.0	55.3	55.6	55.8	55.9	56.1	56.1	56.2	56.2	56.3	56.4	56.4
	56.1	56.5	56.7	57.0	57.1	57.2	57.3	57.3	57.4	57.4	57.5	57.5
	58.1	58.4	58.7	59.0	59.1	59.2	59.3	59.3	59.4	59.4	59.5	59.5
	60.6	60.9	61.1	61.5	61.6	61.7	61.8	61.8	61.9	61.9	62.0	62.0
	61.2	61.5	61.8	62.1	62.2	62.4	62.4	62.4	62.5	62.5	62.6	62.6
	63.3	63.6	63.9	64.2	64.4	64.5	64.6	64.6	64.7	64.7	64.8	64.8
	64.5	64.8	65.1	65.5	65.6	65.8	65.8	65.9	65.9	66.0	66.1	66.1
	65.6	65.9	66.2	66.6	66.7	66.9	66.9	67.0	67.0	67.1	67.2	67.2
	67.6	67.9	68.2	68.6	68.8	68.9	69.0	69.0	69.1	69.1	69.2	69.2
	68.9	69.2	69.6	70.0	70.1	70.3	70.3	70.4	70.4	70.5	70.6	70.6
	71.4	71.8	72.2	72.6	72.7	72.9	72.9	73.0	73.0	73.1	73.2	73.2
	73.2	73.7	74.1	74.6	74.8	75.0	75.0	75.1	75.1	75.2	75.3	75.3
	75.3	75.8	76.3	76.8	77.0	77.2	77.2	77.3	77.3	77.4	77.5	77.5
	77.0	77.5	78.0	78.5	78.7	78.9	79.0	79.0	79.1	79.1	79.2	79.2
	80.4	80.9	81.5	81.7	81.9	81.9	82.0	82.1	82.1	82.2	82.2	
	81.0	81.5	82.1	82.3	82.5	82.6	82.6	82.7	82.8	82.9	82.9	
	82.3	82.9	83.5	83.7	83.9	84.0	84.0	84.1	84.1	84.2	84.2	
	83.6	84.2	84.8	85.1	85.3	85.3	85.4	85.5	85.5	85.6	85.6	
	84.8	85.5	86.1	86.3	86.5	86.6	86.7	86.7	86.8	86.9	86.9	
	85.7	86.4	87.1	87.3	87.5	87.6	87.6	87.7	87.7	87.8	87.8	
	86.5	87.3	88.0	88.2	88.4	88.5	88.5	88.6	88.7	88.8	88.8	
	87.5	88.5	89.2	89.4	89.6	89.7	89.7	89.8	89.9	90.0	90.0	
	88.3	89.5	90.3	90.6	90.8	90.9	90.9	91.0	91.0	91.1	91.2	
	89.1	90.6	91.7	92.0	92.2	92.4	92.4	92.5	92.6	92.7	92.7	
	89.7	91.5	92.9	93.3	93.7	93.8	93.9	94.1	94.1	94.2	94.3	
	90.1	92.0	93.9	94.6	95.2	95.6	95.7	96.0	96.1	96.3	96.4	
	90.1	92.1	94.3	95.2	95.9	96.6	96.8	97.6	97.9	98.4	98.7	
	90.2	92.2	94.4	95.3	96.1	96.9	97.1	98.0	98.3	99.1	99.9	
	90.2	92.2	94.4	95.3	96.1	96.9	97.1	98.0	98.3	99.1	100.0	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD:
LST TO UTC: + 5 MONTH: SEP HOURS

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	46.7	47.1	47.3	47.9	48.7	49.0	49.9	50.0	50.0	50.1	50.3	50.
GE 20000	48.7	49.1	49.3	49.9	50.8	51.1	52.0	52.1	52.1	52.2	52.4	52.
GE 18000	48.7	49.1	49.3	49.9	50.8	51.1	52.0	52.1	52.1	52.2	52.4	52.
GE 16000	48.7	49.1	49.3	49.9	50.8	51.1	52.0	52.1	52.1	52.2	52.4	52.
GE 14000	49.1	49.6	49.8	50.3	51.2	51.6	52.4	52.6	52.6	52.7	52.9	52.
GE 12000	49.6	50.0	50.2	50.8	51.7	52.0	52.9	53.0	53.0	53.1	53.3	53.
GE 10000	51.0	51.4	51.7	52.4	53.3	53.7	54.6	54.7	54.7	54.8	55.0	55.
GE 9000	52.0	52.4	52.7	53.6	54.4	54.8	55.7	55.8	55.9	55.9	56.1	56.
GE 8000	53.4	53.9	54.1	55.0	55.9	56.2	57.1	57.2	57.2	57.3	57.6	57.
GE 7000	55.0	55.4	55.7	56.6	57.4	57.8	58.7	58.8	58.8	58.9	59.1	59.
GE 6000	55.9	56.3	56.6	57.4	58.3	58.7	59.6	60.0	60.0	60.1	60.3	60.
GE 5000	57.7	58.2	58.7	59.6	60.4	60.8	62.0	62.8	62.8	62.9	63.1	63.
GE 4500	59.8	59.3	59.9	60.8	61.8	62.2	63.4	64.2	64.2	64.3	64.6	64.
GE 4000	62.0	62.5	63.1	64.0	65.3	65.8	67.0	67.8	67.8	67.9	68.1	68.
GE 3500	62.9	63.4	64.0	64.9	66.2	66.7	67.9	68.7	68.7	68.8	69.0	69.
GE 3000	63.9	64.4	65.2	66.1	67.4	67.9	69.1	70.0	70.0	70.1	70.3	70.
GE 2500	65.2	65.9	66.8	67.7	69.1	69.6	70.8	71.7	71.7	71.8	72.0	72.
GE 2000	67.2	68.0	69.1	70.3	71.8	72.3	73.7	74.6	74.6	74.7	74.9	74.
GE 1800	67.7	68.4	69.6	70.9	72.4	73.0	74.3	75.2	75.2	75.3	75.6	75.
GE 1500	69.2	70.2	71.4	72.9	74.7	75.2	76.6	77.6	77.6	77.7	78.0	78.
GE 1200	70.3	71.3	72.7	74.1	75.9	76.4	77.8	78.8	78.8	78.9	79.2	79.
GE 1000	70.4	71.4	72.8	74.6	76.3	76.9	78.2	79.2	79.2	79.3	79.7	79.
GE 900	70.9	71.9	73.2	75.1	76.9	77.4	78.8	80.0	80.0	80.1	80.4	80.
GE 800	71.0	72.0	73.3	75.3	77.1	78.0	79.4	80.7	80.7	80.8	81.1	81.
GE 700	71.3	72.3	73.9	75.9	77.7	78.6	80.0	81.2	81.2	81.3	81.7	81.
GE 600	72.1	73.3	75.2	77.3	79.1	80.0	81.4	82.7	82.7	82.8	83.1	83.
GE 500	72.7	73.9	75.9	78.3	80.9	81.8	83.9	85.1	85.1	85.2	85.6	85.
GE 400	73.3	74.6	76.7	79.3	82.1	83.4	86.0	87.7	87.9	88.0	88.3	88.
GE 300	73.4	74.7	77.0	79.9	83.1	85.0	88.4	90.2	90.9	91.0	91.4	91.
GE 200	73.4	74.7	77.2	80.2	83.4	85.3	89.2	91.6	92.9	93.6	94.6	94.
GE 100	73.4	74.7	77.2	80.2	83.4	85.3	89.2	91.6	92.9	93.7	94.9	95.
GE 000	73.4	74.7	77.2	80.2	83.4	85.3	89.2	91.6	92.9	93.7	94.9	95.

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 86
TC: + 5 MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
[illegible]	48.7	49.0	49.9	50.0	50.0	50.1	50.3	50.3	50.6	50.6	50.6	50.6
[illegible]	50.8	51.1	52.0	52.1	52.1	52.2	52.4	52.4	52.7	52.7	52.7	52.7
[illegible]	50.8	51.1	52.0	52.1	52.1	52.2	52.4	52.4	52.7	52.7	52.7	52.7
[illegible]	50.8	51.1	52.0	52.1	52.1	52.2	52.4	52.4	52.7	52.7	52.7	52.7
53	51.2	51.6	52.4	52.6	52.6	52.7	52.9	52.9	53.1	53.1	53.1	53.1
53	51.7	52.0	52.9	53.0	53.0	53.1	53.3	53.3	53.6	53.6	53.6	53.6
[illegible]	53.3	53.7	54.6	54.7	54.7	54.8	55.0	55.0	55.2	55.3	55.4	55.4
[illegible]	54.4	54.8	55.7	55.8	55.9	55.9	56.1	56.1	56.3	56.4	56.6	56.6
57	55.9	56.2	57.1	57.2	57.2	57.3	57.6	57.6	57.8	57.9	58.0	58.0
59	57.4	57.8	58.7	58.8	58.8	58.9	59.1	59.1	59.3	59.4	59.6	59.6
60	58.3	58.7	59.6	60.0	60.0	60.1	60.3	60.3	60.6	60.7	60.8	60.8
63	60.4	60.8	62.0	62.8	62.8	62.9	63.1	63.1	63.3	63.4	63.6	63.6
64	61.8	62.2	63.4	64.2	64.2	64.3	64.6	64.6	64.8	64.9	65.0	65.0
65	65.3	65.8	67.0	67.8	67.8	67.9	68.1	68.1	68.3	68.4	68.6	68.6
69	66.2	66.7	67.9	68.7	68.7	68.8	69.0	69.0	69.2	69.3	69.4	69.4
70	67.4	67.9	69.1	70.0	70.0	70.1	70.3	70.3	70.6	70.7	70.8	70.8
[illegible]	69.1	69.6	70.8	71.7	71.7	71.8	72.0	72.0	72.2	72.3	72.4	72.4
75	71.8	72.3	73.7	74.6	74.6	74.7	74.9	74.9	75.1	75.2	75.3	75.3
76	72.4	73.0	74.3	75.2	75.2	75.3	75.6	75.6	75.8	75.9	76.0	76.0
77	74.7	75.2	76.6	77.6	77.6	77.7	78.0	78.0	78.2	78.3	78.4	78.4
78	75.9	76.4	77.8	78.8	78.8	78.9	79.2	79.2	79.4	79.6	79.7	79.7
79	76.3	76.9	78.2	79.2	79.2	79.3	79.7	79.7	79.9	80.0	80.1	80.1
80	76.9	77.4	78.8	80.0	80.0	80.1	80.4	80.4	80.7	80.8	80.9	80.9
81	77.1	78.0	79.4	80.7	80.7	80.8	81.1	81.1	81.3	81.4	81.6	81.6
81	77.7	78.6	80.0	81.2	81.2	81.3	81.7	81.7	81.9	82.0	82.1	82.1
83	79.1	80.0	81.4	82.7	82.7	82.8	83.1	83.1	83.3	83.4	83.6	83.6
85	80.9	81.8	83.9	85.1	85.1	85.2	85.6	85.6	85.9	86.0	86.1	86.1
87	82.1	83.4	86.0	87.7	87.9	88.0	88.3	88.3	88.8	88.9	89.0	89.0
90	83.1	85.0	88.4	90.2	90.9	91.0	91.4	91.6	92.1	92.8	93.1	93.2
95	83.4	85.3	89.2	91.6	92.9	93.6	94.6	94.8	95.8	96.6	97.3	97.8
96	83.4	85.3	89.2	91.6	92.9	93.7	94.9	95.1	96.3	97.1	98.0	99.2
96	83.4	85.3	89.2	91.6	92.9	93.7	94.9	95.1	96.3	97.1	98.0	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIB
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: SEP HOURS: 03-0

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	G 1/
NO CEIL	42.0	42.2	42.7	43.0	44.3	44.7	45.1	45.4	45.8	46.1	46.3	46.3	46
GE 20000	43.6	43.8	44.2	44.7	46.1	46.4	46.9	47.2	47.6	47.9	48.1	48.1	48
GE 18000	43.8	44.0	44.4	44.9	46.3	46.7	47.1	47.4	47.8	48.1	48.3	48.3	48
GE 16000	43.9	44.2	44.7	45.2	46.7	47.0	47.4	47.8	48.1	48.4	48.7	48.7	49
GE 14000	44.2	44.6	45.0	45.6	47.0	47.3	47.8	48.4	48.8	49.1	49.3	49.3	49
GE 12000	45.1	45.4	46.2	46.8	48.2	48.6	49.1	49.8	50.1	50.4	50.7	50.7	51
GE 10000	46.6	47.0	47.8	48.3	49.8	50.1	50.7	51.3	51.7	52.0	52.2	52.2	52
GE 9000	47.1	47.6	48.4	49.1	50.8	51.1	51.7	52.3	52.7	53.0	53.2	53.2	53
GE 8000	49.2	49.7	50.6	51.3	53.1	53.4	54.0	54.7	55.0	55.3	55.6	55.6	55
GE 7000	50.1	50.7	51.6	52.3	54.1	54.4	55.0	55.7	56.0	56.3	56.6	56.6	56
GE 6000	50.9	51.4	52.4	53.2	55.0	55.3	55.9	56.6	56.9	57.2	57.4	57.4	57
GE 5000	52.2	53.0	54.4	55.3	57.1	57.4	58.0	58.7	59.0	59.3	59.6	59.6	59
GE 4500	53.6	54.3	55.8	56.7	58.6	58.9	59.4	60.1	60.4	60.8	61.0	61.0	61
GE 4000	56.2	57.0	58.6	59.4	61.3	61.7	62.2	62.9	63.2	63.6	63.8	63.8	64
GE 3500	57.1	57.9	59.4	60.4	62.3	62.7	63.2	63.9	64.2	64.6	64.8	64.8	65
GE 3000	58.6	59.3	61.1	62.1	64.0	64.3	64.9	65.6	65.9	66.2	66.4	66.4	66
GE 2500	60.8	61.7	63.7	64.9	67.0	67.3	68.0	68.7	69.0	69.3	69.6	69.6	69
GE 2000	63.3	64.2	66.3	67.7	70.1	70.4	71.1	71.9	72.2	72.6	72.8	72.8	73
GE 1800	63.6	64.4	66.6	67.9	70.4	70.8	71.4	72.2	72.6	72.9	73.1	73.1	73
GE 1500	65.2	66.1	68.2	69.6	72.4	72.8	73.4	74.2	74.6	74.9	75.1	75.1	75
GE 1200	65.3	66.3	68.6	69.9	72.9	73.2	73.9	74.8	75.1	75.4	75.7	75.7	76
GE 1000	66.2	67.2	69.4	70.9	73.9	74.2	75.2	76.1	76.4	76.8	77.0	77.0	77
GE 900	66.4	67.4	69.7	71.2	74.2	74.6	75.7	76.6	76.9	77.2	77.4	77.4	77
GE 800	66.8	67.8	70.2	71.8	75.0	75.6	77.0	77.9	78.2	78.6	78.8	78.8	79
GE 700	67.1	68.1	70.7	72.4	75.7	76.2	77.7	78.6	78.9	79.2	79.4	79.4	79
GE 600	68.2	69.2	72.2	74.6	78.1	78.7	80.2	81.2	81.6	81.9	82.1	82.1	82
GE 500	68.8	69.8	73.3	75.7	79.8	80.4	82.3	83.6	83.9	84.2	84.4	84.4	84
GE 400	68.8	69.8	73.8	76.2	81.1	81.8	84.4	86.1	86.6	87.1	87.3	87.3	87
GE 300	69.2	70.2	74.4	77.0	82.3	83.1	87.0	89.1	89.9	90.6	90.8	90.8	91
GE 200	69.2	70.2	74.4	77.1	82.6	83.8	88.2	91.1	92.7	93.4	94.4	94.4	95
GE 100	69.2	70.2	74.4	77.1	82.6	83.8	88.2	91.1	92.7	93.6	94.8	94.8	95
GE 000	69.2	70.2	74.4	77.1	82.6	83.8	88.2	91.1	92.7	93.6	94.8	94.8	95

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
TIME ZONE: UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: SEP HOURS: 03-05

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES											
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
GE 0	43.0	44.3	44.7	45.1	45.4	45.8	46.1	46.3	46.3	46.7	46.9	47.0	47.0
GE 1	44.7	46.1	46.4	46.9	47.2	47.6	47.9	48.1	48.1	48.4	48.7	48.8	48.8
GE 2	44.9	46.3	46.7	47.1	47.4	47.8	48.1	48.3	48.3	48.7	48.9	49.0	49.0
GE 3	45.2	46.7	47.0	47.4	47.8	48.1	48.4	48.7	48.7	49.0	49.2	49.3	49.3
GE 5	45.6	47.0	47.3	47.8	48.4	48.8	49.1	49.3	49.3	49.7	49.9	50.0	50.0
GE 7	46.5	48.2	48.6	49.1	49.8	50.1	50.4	50.7	50.7	51.0	51.2	51.3	51.3
GE 10	48.3	49.8	50.1	50.7	51.3	51.7	52.0	52.2	52.2	52.6	52.8	52.9	52.9
GE 12	49.1	50.8	51.1	51.7	52.3	52.7	53.0	53.2	53.2	53.6	53.8	53.9	53.9
GE 15	51.3	53.1	53.4	54.0	54.7	55.0	55.3	55.6	55.6	55.9	56.1	56.2	56.2
GE 20	52.3	54.1	54.4	55.0	55.7	56.0	56.3	56.6	56.6	56.9	57.1	57.2	57.2
GE 25	53.2	55.0	55.3	55.9	56.6	56.9	57.2	57.4	57.4	57.8	58.0	58.1	58.1
GE 30	55.3	57.1	57.4	58.0	58.7	59.0	59.3	59.6	59.6	59.9	60.1	60.2	60.2
GE 35	56.7	58.6	58.9	59.4	60.1	60.4	60.8	61.0	61.0	61.3	61.6	61.7	61.7
GE 40	59.4	61.3	61.7	62.2	62.9	63.2	63.6	63.8	63.8	64.1	64.3	64.4	64.4
GE 45	60.4	62.3	62.7	63.2	63.9	64.2	64.6	64.8	64.8	65.1	65.3	65.4	65.4
GE 50	62.1	64.0	64.3	64.9	65.6	65.9	66.2	66.4	66.4	66.8	67.0	67.1	67.1
GE 60	64.9	67.0	67.3	68.0	68.7	69.0	69.3	69.6	69.6	69.9	70.1	70.2	70.2
GE 70	67.7	70.1	70.4	71.1	71.9	72.2	72.6	72.8	72.8	73.1	73.3	73.4	73.4
GE 80	67.9	70.4	70.8	71.4	72.2	72.6	72.9	73.1	73.1	73.4	73.7	73.8	73.8
GE 90	69.6	72.4	72.8	73.4	74.2	74.6	74.9	75.1	75.1	75.4	75.7	75.8	75.8
GE100	69.9	72.9	73.2	73.9	74.8	75.1	75.4	75.7	75.7	76.0	76.2	76.3	76.3
GE120	70.9	73.9	74.2	75.2	76.1	76.4	76.8	77.0	77.0	77.3	77.6	77.7	77.7
GE140	71.2	74.2	74.6	75.7	76.6	76.9	77.2	77.4	77.4	77.8	78.0	78.1	78.1
GE160	71.8	75.0	75.5	77.0	77.9	78.2	78.6	78.8	78.8	79.1	79.3	79.4	79.4
GE180	72.4	75.7	76.2	77.7	78.6	78.9	79.2	79.4	79.4	79.8	80.0	80.1	80.1
GE200	74.6	78.1	78.7	80.2	81.2	81.6	81.9	82.1	82.1	82.4	82.7	82.8	82.8
GE250	75.7	79.9	80.4	82.3	83.6	83.9	84.2	84.4	84.4	84.8	85.0	85.1	85.2
GE300	76.2	81.1	81.8	84.4	86.1	86.6	87.1	87.3	87.3	87.7	87.9	88.2	88.3
GE350	77.0	82.3	83.1	87.0	89.1	89.9	90.6	90.8	90.8	91.2	91.8	92.1	92.8
GE400	77.1	82.6	83.8	88.2	91.1	92.7	93.4	94.4	94.4	95.3	96.0	96.4	98.0
GE450	77.1	82.6	83.8	88.2	91.1	92.7	93.6	94.8	94.8	95.8	96.7	97.2	99.3
GE500	77.1	82.6	83.8	88.2	91.1	92.7	93.6	94.8	94.8	95.8	96.7	97.2	100.0

900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	34.3	34.8	35.7	36.1	37.0	37.0	37.3	38.0	38.8	38.8	39.1	39.2	39.
GE 20000	37.1	37.7	38.6	39.6	40.7	40.7	41.0	41.8	42.8	42.8	43.1	43.2	43.
GE 18000	37.6	38.1	39.0	40.0	41.1	41.1	41.4	42.2	43.2	43.2	43.6	43.7	43.
GE 16000	37.9	38.4	39.4	40.4	41.6	41.6	41.9	42.7	43.7	43.7	44.0	44.1	44.
GE 14000	38.1	38.7	39.7	40.7	41.8	41.8	42.1	43.2	44.2	44.2	44.6	44.7	44.
GE 12000	38.7	39.2	40.4	41.4	42.6	42.6	42.9	44.0	45.1	45.1	45.6	45.7	46.
GE 10000	41.3	42.1	43.4	44.4	45.6	45.6	45.9	47.0	48.1	48.1	48.6	48.7	49.
GE 9000	42.3	43.1	44.4	45.4	46.6	46.6	45.9	48.0	49.1	49.1	49.6	49.7	50.
GE 8000	45.2	46.2	47.6	48.6	50.0	50.0	50.4	51.6	52.8	52.9	53.3	53.4	53.
GE 7000	45.8	46.8	48.2	49.3	50.9	50.9	51.3	52.4	53.7	53.8	54.3	54.4	54.
GE 6000	46.4	47.4	49.1	50.4	52.0	52.0	52.4	53.6	54.9	54.9	55.4	55.6	55.
GE 5000	49.3	50.6	52.4	54.2	56.0	56.0	56.4	57.6	58.8	58.9	59.4	59.6	59.
GE 4500	50.4	51.7	53.8	55.7	57.6	57.6	58.1	59.2	60.4	60.6	61.1	61.2	61.
GE 4000	52.6	54.0	56.1	58.1	60.1	60.1	60.7	61.8	63.0	63.1	63.8	63.9	64.
GE 3500	53.1	54.6	56.7	58.7	60.8	60.9	61.4	62.6	63.8	63.9	64.6	64.7	65.
GE 3000	55.2	56.7	58.8	60.8	62.9	63.0	63.6	64.7	65.9	66.0	66.7	66.8	67.
GE 2500	57.9	59.4	61.6	63.6	65.7	65.8	66.3	67.4	68.7	68.8	69.4	69.6	69.
GE 2000	60.0	61.7	63.9	65.9	68.2	68.3	68.9	70.0	71.3	71.4	72.1	72.2	72.
GE 1800	60.3	62.0	64.2	66.2	68.6	68.7	69.2	70.3	71.7	71.8	72.4	72.6	72.
GE 1500	61.4	63.1	65.3	67.7	70.1	70.2	70.9	72.1	73.4	73.6	74.2	74.3	74.
GE 1200	62.9	64.7	67.0	69.3	72.0	72.1	72.8	74.1	75.4	75.6	76.2	76.3	76.
GE 1000	64.2	66.1	68.4	70.8	73.9	74.1	74.9	76.4	77.8	77.9	78.6	78.7	79.
GE 900	64.7	66.6	68.9	71.2	74.4	74.7	75.4	77.1	78.4	78.6	79.2	79.3	79.
GE 800	65.0	66.9	69.2	71.6	74.9	75.2	76.1	77.9	79.3	79.4	80.1	80.2	80.
GE 700	65.3	67.2	69.6	72.3	76.0	76.3	77.3	79.2	80.7	80.8	81.4	81.6	81.
GE 600	65.7	67.7	70.2	73.3	77.8	78.2	79.2	81.1	82.6	82.7	83.3	83.4	83.
GE 500	66.1	68.1	71.0	74.2	79.1	79.7	81.0	83.3	85.0	85.1	85.8	85.9	86.
GE 400	66.6	68.7	71.9	75.1	80.0	80.7	82.2	84.8	86.7	87.1	87.8	87.9	88.
GE 300	66.8	69.0	72.7	76.0	81.6	82.7	84.9	88.0	90.7	91.4	92.1	92.2	92.
GE 200	66.9	69.1	72.9	76.2	81.8	83.0	85.4	89.1	91.9	92.9	93.9	94.4	95.
GE 100	66.9	69.1	72.9	76.2	81.8	83.0	85.6	89.3	92.1	93.1	94.1	94.8	95.
GE 000	66.9	69.1	72.9	76.2	81.8	83.0	85.6	89.3	92.1	93.1	94.1	94.8	95.

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

TION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: SEP HOURS: 06-08

VISIBILITY IN STATUTE MILES

GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
36.1	37.0	37.0	37.3	38.0	38.8	38.8	39.1	39.2	39.4	39.4	39.4	39.6
39.6	40.7	40.7	41.0	41.8	42.8	42.8	43.1	43.2	43.4	43.4	43.6	43.7
40.0	41.1	41.1	41.4	42.2	43.2	43.2	43.6	43.7	43.9	43.9	44.0	44.1
40.4	41.6	41.6	41.9	42.7	43.7	43.7	44.0	44.1	44.3	44.3	44.4	44.6
40.7	41.8	41.8	42.1	43.2	44.2	44.2	44.6	44.7	44.9	44.9	45.0	45.1
41.4	42.6	42.6	42.9	44.0	45.1	45.1	45.6	45.7	46.0	46.0	46.2	46.3
44.4	45.6	45.6	45.9	47.0	48.1	48.1	48.6	48.7	49.0	49.0	49.2	49.3
45.4	46.6	46.6	46.9	48.0	49.1	49.1	49.6	49.7	50.0	50.0	50.2	50.3
48.6	50.0	50.0	50.4	51.6	52.8	52.9	53.3	53.4	53.8	53.8	54.0	54.1
49.3	50.9	50.9	51.3	52.4	53.7	53.8	54.3	54.4	54.8	54.8	55.0	55.1
50.4	52.0	52.0	52.4	53.6	54.8	54.9	55.4	55.6	55.9	55.9	56.1	56.2
54.2	56.0	56.0	56.4	57.6	58.8	58.9	59.4	59.6	59.9	60.0	60.2	60.3
55.7	57.6	57.6	58.1	59.2	60.4	60.6	61.1	61.2	61.6	61.7	61.9	62.0
58.1	60.1	60.1	60.7	61.8	63.0	63.1	63.8	63.9	64.2	64.3	64.6	64.7
58.7	60.8	60.9	61.4	62.6	63.8	63.9	64.6	64.7	65.0	65.1	65.3	65.4
60.8	62.9	63.0	63.6	64.7	65.9	66.0	66.7	66.8	67.1	67.2	67.4	67.6
63.6	65.7	65.8	66.3	67.4	68.7	68.8	69.4	69.6	69.9	70.0	70.2	70.3
65.9	68.2	68.3	68.9	70.0	71.3	71.4	72.1	72.2	72.6	72.7	72.9	73.0
66.2	68.6	68.7	69.2	70.3	71.7	71.8	72.4	72.6	72.9	73.0	73.2	73.3
67.7	70.1	70.2	70.9	72.1	73.4	73.6	74.2	74.3	74.7	74.8	75.0	75.1
69.3	72.0	72.1	72.8	74.1	75.4	75.6	76.2	76.3	76.7	76.8	77.0	77.1
70.8	73.9	74.1	74.9	76.4	77.8	77.9	78.6	78.7	79.0	79.1	79.3	79.4
71.2	74.4	74.7	75.4	77.1	78.4	78.6	79.2	79.3	79.7	79.8	80.0	80.1
71.6	74.9	75.2	76.1	77.9	79.3	79.4	80.1	80.2	80.6	80.7	80.9	81.0
72.3	76.0	76.3	77.3	79.2	80.7	80.8	81.4	81.6	81.9	82.0	82.3	82.4
73.3	77.8	78.2	79.2	81.1	82.6	82.7	83.3	83.4	83.8	83.9	84.2	84.3
74.2	79.1	79.7	81.0	83.3	85.0	85.1	85.8	85.9	86.2	86.3	86.7	86.8
75.1	80.0	80.7	82.2	84.8	86.7	87.1	87.8	87.9	88.3	88.4	88.8	88.9
76.0	81.6	82.7	84.9	88.0	90.7	91.4	92.1	92.2	92.8	92.9	93.2	93.8
76.2	81.8	83.0	85.4	89.1	91.9	92.9	93.9	94.4	95.6	95.8	96.4	98.0
76.2	81.8	83.0	85.6	89.3	92.1	93.1	94.1	94.8	95.9	96.3	97.3	99.7
76.2	81.8	83.0	85.6	89.3	92.1	93.1	94.1	94.8	95.9	96.3	97.3	100.0

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OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG
LST TO UTC: + 5 — MONTH: SEP — HOURS: 09-

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	35.0	35.9	36.6	36.6	36.9	37.2	37.2	37.3	37.3	37.3	37.3	37.3	3
GE 20000	38.7	39.6	40.3	40.7	41.2	41.6	41.6	41.8	41.8	41.8	41.9	41.9	4
GE 18000	38.9	39.8	40.6	40.9	41.6	41.9	42.0	42.3	42.3	42.3	42.4	42.4	4
GE 16000	39.1	40.0	40.8	41.2	41.9	42.2	42.3	42.7	42.7	42.7	42.8	42.8	4
GE 14000	39.9	40.8	41.6	42.1	42.8	43.1	43.4	43.8	43.8	43.8	43.9	43.9	4
GE 12000	41.0	41.9	42.7	43.3	44.0	44.3	44.7	45.0	45.0	45.0	45.1	45.1	4
GE 10000	42.9	43.9	44.8	45.4	46.2	46.6	46.9	47.2	47.2	47.2	47.3	47.3	4
GE 9000	43.2	44.2	45.1	45.8	46.6	46.9	47.2	47.6	47.6	47.6	47.7	47.7	4
GE 8000	46.1	47.2	48.7	49.4	50.2	50.6	51.1	51.4	51.6	51.6	51.7	51.7	5
GE 7000	47.9	49.0	50.6	51.3	52.4	52.8	53.3	53.8	53.9	54.0	54.1	54.1	5
GE 6000	48.6	49.7	51.3	52.1	53.2	53.6	54.1	54.6	54.7	54.8	54.9	54.9	5
GE 5000	49.7	50.8	53.1	53.9	55.3	55.8	56.3	56.8	56.9	57.0	57.1	57.1	5
GE 4500	50.3	51.6	53.9	54.7	56.1	56.6	57.1	57.6	57.7	57.8	57.9	57.9	5
GE 4000	51.9	53.2	55.8	56.7	58.2	58.7	59.2	60.0	60.1	60.2	60.3	60.3	6
GE 3500	53.1	54.4	57.0	57.9	59.4	59.9	60.4	61.2	61.3	61.4	61.6	61.6	6
GE 3000	55.8	57.2	59.9	60.9	62.6	63.1	63.7	64.4	64.6	64.7	64.8	64.8	6
GE 2500	57.6	59.0	61.9	62.9	64.6	65.1	65.7	66.4	66.6	66.7	66.8	66.8	6
GE 2000	61.2	62.7	65.3	66.8	68.6	69.2	69.9	70.7	70.8	70.9	71.0	71.0	7
GE 1800	62.1	63.6	66.8	67.9	69.7	70.3	71.0	71.8	71.9	72.0	72.1	72.1	7
GE 1500	64.4	65.9	69.4	70.6	72.4	73.2	73.9	74.7	74.8	74.9	75.0	75.0	7
GE 1200	66.8	68.2	71.8	72.9	74.9	75.7	76.3	77.1	77.2	77.3	77.4	77.4	7
GE 1000	68.3	69.8	73.6	74.9	77.1	78.0	78.7	79.4	79.6	79.7	79.8	79.8	7
GE 900	69.2	70.8	74.6	76.0	78.4	79.3	80.0	80.8	80.9	81.0	81.1	81.1	8
GE 800	70.4	72.0	76.0	77.8	80.2	81.2	82.2	83.0	83.1	83.2	83.3	83.3	8
GE 700	71.1	72.7	76.7	78.4	81.3	82.4	83.7	84.7	84.8	84.9	85.0	85.0	8
GE 600	71.7	73.2	77.8	80.2	83.7	84.8	86.1	87.2	87.3	87.4	87.6	87.6	8
GE 500	72.1	74.1	79.1	81.9	85.4	86.9	88.7	90.2	90.6	90.7	90.8	90.8	9
GE 400	72.4	74.4	79.7	82.8	86.7	88.3	90.1	92.2	92.7	92.9	93.0	93.0	9
GE 300	72.6	74.6	79.9	83.1	87.2	88.9	91.2	94.1	95.2	95.6	95.7	95.7	9
GE 200	72.6	74.6	80.0	83.2	87.6	89.3	91.8	94.8	96.6	97.2	97.6	97.9	9
GE 100	72.6	74.6	80.0	83.2	87.6	89.3	91.8	94.8	96.6	97.3	97.7	98.0	9
GE 000	72.6	74.6	80.0	83.2	87.6	89.3	91.8	94.8	96.6	97.3	97.7	98.0	9

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 MONTH: SEP HOURS: 09-11

VISIBILITY IN STATUTE MILES												
GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
36.6	36.9	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.4	37.4	37.4	37.4
40.7	41.2	41.6	41.6	41.8	41.8	41.8	41.9	41.9	42.0	42.0	42.0	42.0
40.9	41.6	41.9	42.0	42.3	42.3	42.3	42.4	42.4	42.6	42.6	42.6	42.6
41.2	41.9	42.2	42.3	42.7	42.7	42.7	42.8	42.8	42.9	42.9	42.9	42.9
42.1	42.8	43.1	43.4	43.8	43.8	43.8	43.9	43.9	44.0	44.0	44.0	44.0
43.3	44.0	44.3	44.7	45.0	45.0	45.0	45.1	45.1	45.2	45.2	45.2	45.2
45.4	46.2	46.6	46.9	47.2	47.2	47.2	47.3	47.3	47.4	47.4	47.4	47.4
45.8	46.6	46.9	47.2	47.6	47.6	47.6	47.7	47.7	47.8	47.8	47.8	47.8
49.4	50.2	50.6	51.1	51.4	51.6	51.6	51.7	51.7	51.8	51.8	51.8	51.8
51.3	52.4	52.8	53.3	53.8	53.9	54.0	54.1	54.1	54.2	54.2	54.2	54.2
52.1	53.2	53.6	54.1	54.6	54.7	54.8	54.9	54.9	55.0	55.0	55.0	55.0
53.9	55.3	55.8	56.3	56.8	56.9	57.0	57.1	57.1	57.2	57.2	57.2	57.2
54.7	56.1	56.6	57.1	57.6	57.7	57.8	57.9	57.9	58.0	58.0	58.0	58.0
56.7	58.2	58.7	59.2	60.0	60.1	60.2	60.3	60.3	60.4	60.4	60.4	60.4
57.9	59.4	59.9	60.4	61.2	61.3	61.4	61.6	61.6	61.7	61.7	61.7	61.7
60.9	62.6	63.1	63.7	64.4	64.6	64.7	64.8	64.8	64.9	64.9	64.9	64.9
62.9	64.6	65.1	65.7	66.4	66.6	66.7	66.8	66.8	66.9	66.9	66.9	66.9
66.8	68.6	69.2	69.9	70.7	70.8	70.9	71.0	71.0	71.1	71.1	71.1	71.1
67.9	69.7	70.3	71.0	71.8	71.9	72.0	72.1	72.1	72.2	72.2	72.2	72.2
70.6	72.4	73.2	73.9	74.7	74.8	74.9	75.0	75.0	75.1	75.1	75.1	75.1
72.9	74.9	75.7	76.3	77.1	77.2	77.3	77.4	77.4	77.6	77.6	77.6	77.6
74.9	77.1	78.0	78.7	79.4	79.6	79.7	79.8	79.8	79.9	79.9	79.9	79.9
76.0	78.4	79.3	80.0	80.8	80.9	81.0	81.1	81.1	81.2	81.2	81.2	81.2
77.8	80.2	81.2	82.2	83.0	83.1	83.2	83.3	83.3	83.4	83.4	83.4	83.4
79.4	81.3	82.4	83.7	84.7	84.8	84.9	85.0	85.0	85.1	85.1	85.1	85.1
80.2	83.7	84.8	86.1	87.2	87.3	87.4	87.6	87.6	87.7	87.7	87.7	87.7
81.9	85.4	86.9	88.7	90.2	90.6	90.7	90.8	90.8	90.9	90.9	90.9	90.9
82.8	86.7	88.3	90.1	92.2	92.7	92.9	93.0	93.0	93.2	93.2	93.2	93.2
83.1	87.2	88.9	91.2	94.1	95.2	95.6	95.7	95.7	95.9	95.9	96.0	96.0
83.2	87.6	89.3	91.8	94.8	96.6	97.2	97.6	97.9	98.4	98.7	99.0	99.1
83.2	87.6	89.3	91.8	94.8	96.6	97.3	97.7	98.0	98.6	98.9	99.2	100.0
83.2	87.6	89.3	91.8	94.8	96.6	97.3	97.7	98.0	98.6	98.9	99.2	100.0

900

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIB
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: SEP HOURS: 12-1

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	G 1/
NO CEIL	31.7	32.7	33.4	33.6	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33
GE 20000	36.6	38.0	39.0	39.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39
GE 18000	36.8	38.2	39.2	39.3	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39
GE 16000	36.8	38.2	39.3	39.4	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39
GE 14000	37.3	38.8	40.0	40.1	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40
GE 12000	38.1	39.6	40.9	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41
GE 10000	40.1	41.6	43.1	43.2	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43
GE 9000	40.7	42.1	43.7	43.8	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44
GE 8000	42.8	44.6	46.6	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47
GE 7000	44.3	46.1	48.1	48.2	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48
GE 6000	45.0	46.8	48.8	48.9	49.7	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50
GE 5000	46.6	48.8	51.0	51.2	52.3	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52
GE 4500	49.0	51.2	53.4	53.7	54.8	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55
GE 4000	52.1	54.4	57.0	57.4	58.6	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58
GE 3500	54.4	56.9	59.4	59.9	61.0	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61
GE 3000	58.9	61.3	64.1	64.6	65.7	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66
GE 2500	63.4	66.1	68.9	69.4	70.6	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70
GE 2000	68.3	71.0	74.0	74.6	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76
GE 1800	69.3	72.0	75.0	75.6	76.7	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77
GE 1500	71.9	74.8	77.9	78.4	79.7	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80
GE 1200	74.1	77.0	80.3	81.0	82.4	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82
GE 1000	75.2	78.2	81.8	82.5	84.2	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84
GE 900	76.6	79.6	83.3	84.6	86.6	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87
GE 800	77.0	80.0	83.8	85.2	87.2	87.6	87.8	87.9	88.1	88.1	88.1	88.1	88
GE 700	77.8	80.9	84.8	86.4	88.6	89.1	89.4	89.6	89.8	89.8	89.9	89.9	89
GE 600	78.4	81.6	85.8	87.9	90.3	91.2	91.7	92.2	92.7	92.8	92.9	92.9	92
GE 500	78.8	81.9	86.4	89.0	91.8	93.1	93.6	94.1	94.8	94.9	95.0	95.0	95
GE 400	78.9	82.0	86.6	89.1	92.1	93.6	94.2	94.9	95.8	96.1	96.2	96.2	96
GE 300	78.9	82.1	86.7	89.3	92.6	94.1	95.1	95.9	97.6	97.9	98.0	98.0	98
GE 200	78.9	82.1	86.7	89.3	92.6	94.2	95.2	96.1	98.6	98.9	99.2	99.2	99
GE 100	78.9	82.1	86.7	89.3	92.6	94.2	95.2	96.1	98.6	98.9	99.3	99.3	99
GE 000	78.9	82.1	86.7	89.3	92.6	94.2	95.2	96.1	98.6	98.9	99.3	99.3	99

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
GE 22000	33.6	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8	33.8
GE 20000	39.1	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
GE 18000	39.3	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 16000	39.4	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
GE 14000	40.1	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 12000	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
GE 10000	43.2	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
GE 9000	43.8	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
GE 8000	46.7	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3	47.3
GE 7000	48.2	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 6000	49.3	49.9	49.9	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 5000	51.2	52.3	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 4500	53.7	54.8	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 4000	57.4	58.6	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 3500	59.9	61.0	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 3000	64.5	65.7	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 2500	69.4	70.6	70.8	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 2000	74.5	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 1800	75.6	76.7	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
GE 1600	77.4	78.7	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
GE 1400	81.0	82.4	82.7	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 1200	83.5	84.2	84.4	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 1100	85.9	86.6	86.8	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 1000	87.2	87.2	87.6	87.8	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 900	88.4	88.6	89.1	89.4	89.6	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9
GE 800	90.9	90.3	91.2	91.7	92.2	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9
GE 700	91.0	91.8	93.1	93.6	94.1	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0
GE 600	91.1	92.1	93.6	94.2	94.9	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2
GE 500	92.3	92.6	94.1	95.1	95.9	97.6	97.9	98.0	98.0	98.0	98.0	98.0	98.0
GE 400	92.3	92.6	94.2	95.2	96.1	98.6	98.9	99.2	99.2	99.2	99.2	99.3	99.3
GE 300	92.3	92.6	94.2	95.2	96.1	98.6	98.9	99.3	99.3	99.3	99.4	99.8	100.0
GE 200	92.3	92.6	94.2	95.2	96.1	98.6	98.9	99.3	99.3	99.3	99.4	99.8	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIS
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: SEP HOURS: 15

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	36.2	36.7	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
GE 20000	41.2	42.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 18000	41.2	42.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 16000	41.2	42.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
GE 14000	42.0	43.0	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
GE 12000	43.2	44.3	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
GE 10000	45.2	46.3	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.3	48.3	48.3
GE 9000	46.2	47.3	49.1	49.1	49.1	49.1	49.1	49.1	49.2	49.3	49.3	49.3
GE 8000	48.4	49.8	51.7	51.7	51.7	51.7	51.7	51.8	51.9	52.0	52.0	52.0
GE 7000	50.2	51.6	53.4	53.4	53.4	53.4	53.4	53.6	53.7	53.9	53.9	53.9
GE 6000	51.2	52.6	54.4	54.7	54.9	54.9	54.9	55.0	55.1	55.3	55.3	55.3
GE 5000	53.1	54.6	56.4	56.7	56.9	56.9	56.9	57.0	57.1	57.3	57.3	57.3
GE 4500	55.8	57.2	59.1	59.3	59.6	59.6	59.6	59.7	59.8	60.0	60.0	60.0
GE 4000	60.0	61.6	63.7	63.9	64.2	64.2	64.2	64.3	64.4	64.7	64.7	64.7
GE 3500	62.9	64.4	66.6	66.8	67.1	67.1	67.1	67.2	67.3	67.6	67.6	67.6
GE 3000	65.9	67.4	69.9	70.1	70.4	70.4	70.4	70.6	70.7	70.9	70.9	70.9
GE 2500	70.6	72.3	75.0	75.2	75.6	75.6	75.6	75.7	75.8	76.0	76.0	76.0
GE 2000	73.9	75.7	78.4	78.8	79.1	79.1	79.1	79.2	79.3	79.6	79.6	79.6
GE 1800	74.2	76.0	78.8	79.1	79.4	79.4	79.4	79.6	79.7	79.9	79.9	79.9
GE 1500	76.3	78.1	81.3	81.7	82.0	82.1	82.1	82.2	82.3	82.6	82.6	82.6
GE 1200	77.9	79.7	83.0	83.3	83.7	83.8	83.9	84.0	84.1	84.3	84.3	84.3
GE 1000	79.4	81.2	84.9	85.2	85.8	85.9	86.2	86.3	86.4	86.7	86.7	86.7
GE 900	79.9	81.9	85.7	86.1	86.8	86.9	87.2	87.3	87.4	87.7	87.7	87.7
GE 800	80.8	83.0	86.9	87.4	88.3	88.4	88.9	89.1	89.4	89.7	89.8	89.8
GE 700	81.1	83.3	87.2	88.1	89.1	89.3	89.8	90.2	90.7	90.9	91.0	91.0
GE 600	81.2	83.4	87.6	89.0	90.4	90.8	91.3	92.2	92.8	93.0	93.1	93.1
GE 500	81.7	83.9	88.3	89.9	91.6	92.2	93.0	94.0	95.2	95.4	95.6	95.6
GE 400	81.7	84.0	88.6	90.2	92.3	92.9	93.9	95.3	96.7	96.9	97.2	97.2
GE 300	81.7	84.0	88.7	90.3	92.6	93.2	94.4	96.0	97.7	98.3	98.7	98.7
GE 200	81.7	84.0	88.7	90.3	92.6	93.2	94.4	96.1	98.2	98.9	99.3	99.3
GE 100	81.7	84.0	88.7	90.3	92.6	93.2	94.4	96.1	98.2	98.9	99.4	99.4
GE 000	81.7	84.0	88.7	90.3	92.6	93.2	94.4	96.1	98.2	98.9	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 76 - JUL 88
UTC: + 5 MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
[illegible]	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
[illegible]	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
[illegible]	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
[illegible]	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
[illegible]	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
[illegible].1	48.1	48.1	48.1	48.1	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3
[illegible].1	49.1	49.1	49.1	49.1	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3
[illegible].7	51.7	51.7	51.7	51.8	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0
[illegible].4	53.4	53.4	53.4	53.6	53.7	53.9	53.9	53.9	53.9	53.9	53.9	53.9
[illegible].7	54.9	54.9	54.9	55.0	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3
[illegible].7	56.9	56.9	56.9	57.0	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3
[illegible].[illegible]	59.6	59.6	59.6	59.7	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0
[illegible].[illegible]	64.2	64.2	64.2	64.3	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7
[illegible].[illegible]	67.1	67.1	67.1	67.2	67.3	67.6	67.6	67.6	67.6	67.6	67.6	67.6
[illegible].1	70.4	70.4	70.4	70.6	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9
[illegible].2	75.6	75.6	75.6	75.7	75.8	76.0	76.0	76.0	76.0	76.0	76.0	76.0
[illegible].[illegible]	79.1	79.1	79.1	79.2	79.3	79.6	79.6	79.6	79.6	79.6	79.6	79.6
[illegible].1	79.4	79.4	79.4	79.6	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9
[illegible].7	82.0	82.1	82.1	82.2	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6
[illegible].3	83.7	83.8	83.9	84.0	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3
[illegible].[illegible]	85.8	85.9	86.2	86.3	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
[illegible].1	86.6	86.9	87.2	87.3	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7
[illegible].4	88.3	88.4	88.9	89.1	89.4	89.7	89.8	89.8	89.8	89.8	89.8	89.8
.1	89.1	89.3	89.8	90.2	90.7	90.9	91.0	91.0	91.0	91.0	91.0	91.0
[illegible].[illegible]	90.4	90.8	91.3	92.2	92.8	93.0	93.1	93.1	93.1	93.1	93.1	93.1
[illegible].[illegible]	91.6	92.2	93.0	94.0	95.2	95.4	95.6	95.6	95.6	95.6	95.6	95.6
[illegible].2	92.3	92.9	93.9	95.3	96.7	96.9	97.2	97.2	97.2	97.2	97.2	97.2
[illegible].3	92.5	93.2	94.4	96.0	97.7	98.3	98.7	98.7	98.7	98.7	98.7	98.7
[illegible].3	92.6	93.2	94.4	96.1	98.2	98.9	99.3	99.3	99.4	99.4	99.6	99.6
[illegible].3	92.6	93.2	94.4	96.1	98.2	98.9	99.4	99.4	99.7	99.7	99.9	100.0
[illegible].3	92.6	93.2	94.4	96.1	98.2	98.9	99.4	99.4	99.7	99.7	99.9	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIB
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: SEP HOURS: 18-2

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/
NO CEIL	42.8	43.1	44.1	44.3	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44
GE 20000	47.1	47.6	48.8	49.1	49.9	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50
GE 18000	47.6	48.2	49.2	49.6	50.3	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50
GE 16000	47.7	48.3	49.3	49.7	50.4	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50
GE 14000	48.2	49.0	50.0	50.3	51.1	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51
GE 12000	50.6	51.7	52.9	53.2	54.1	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54
GE 10000	52.0	53.1	54.9	55.2	56.1	56.4	56.6	56.6	56.7	56.7	56.7	56.7	56
GE 9000	52.4	53.6	55.3	55.7	56.6	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57
GE 8000	55.0	56.1	57.9	58.2	59.1	59.4	59.6	59.7	59.9	59.9	59.9	59.9	59
GE 7000	56.0	57.1	58.9	59.2	60.1	60.4	60.6	60.7	60.9	60.9	60.9	60.9	60
GE 6000	57.2	58.3	60.1	60.4	61.4	61.8	61.9	62.0	62.2	62.6	62.6	62.6	62
GE 5000	60.2	61.3	63.1	63.5	64.6	64.9	65.0	65.1	65.3	65.7	65.7	65.7	65
GE 4500	61.9	63.1	65.0	65.4	66.4	66.8	66.9	67.0	67.2	67.6	67.6	67.6	67
GE 4000	63.6	65.0	67.2	67.7	68.8	69.1	69.4	69.6	69.8	70.1	70.1	70.1	70
GE 3500	66.0	67.6	69.8	70.2	71.3	71.7	72.0	72.1	72.3	72.7	72.7	72.7	72
GE 3000	67.3	68.9	71.1	71.6	72.7	73.0	73.3	73.4	73.7	74.0	74.0	74.0	74
GE 2500	68.8	70.3	72.6	73.0	74.1	74.4	74.6	74.9	75.1	75.4	75.4	75.4	75
GE 2000	71.7	73.2	75.5	76.2	77.3	77.7	78.1	78.2	78.4	78.8	78.8	78.8	78
GE 1800	72.0	73.6	76.1	76.6	77.8	78.1	78.6	78.7	78.9	79.2	79.2	79.2	79
GE 1500	73.6	75.1	77.8	78.2	79.8	80.1	80.6	80.7	80.9	81.2	81.2	81.2	81
GE 1200	75.2	76.8	79.6	80.0	81.7	82.0	82.4	82.6	82.8	83.1	83.1	83.1	83
GE 1000	75.8	77.3	80.4	81.0	82.8	83.1	83.9	84.2	84.4	84.9	84.9	84.9	84
GE 900	76.1	77.8	80.9	81.7	83.4	83.9	84.6	84.9	85.1	85.6	85.6	85.6	85
GE 800	76.8	78.4	81.6	82.3	84.3	84.7	85.4	85.8	86.0	86.6	86.6	86.6	86
GE 700	77.3	79.0	82.6	83.6	85.8	86.1	87.0	87.4	87.7	88.2	88.2	88.2	88
GE 600	77.7	79.3	82.9	84.0	86.9	87.4	88.3	89.0	89.3	89.9	90.0	90.0	90
GE 500	78.6	80.2	83.9	85.3	88.4	89.3	90.3	91.6	92.1	92.9	93.2	93.2	93
GE 400	79.0	80.9	84.9	86.3	89.6	90.6	91.7	93.3	93.9	95.0	95.3	95.3	95
GE 300	79.1	81.0	85.0	86.4	89.9	91.1	92.4	94.2	94.9	96.7	97.0	97.0	97
GE 200	79.1	81.0	85.0	86.4	89.9	91.1	92.4	94.2	95.0	96.9	97.4	97.6	98
GE 100	79.1	81.0	85.0	86.4	89.9	91.1	92.4	94.2	95.1	97.0	97.7	97.8	98
GE 000	79.1	81.0	85.0	86.4	89.9	91.1	92.4	94.2	95.1	97.0	97.7	97.8	98

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
LST TO UTC: + 5 MONTH: SEP HOURS: 18-20

	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
.1	44.3	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
.3	49.1	49.9	50.1	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2	50.2
.2	49.6	50.3	50.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
.3	49.7	50.4	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
.	50.3	51.1	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
.7	53.2	54.1	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
.9	55.2	56.1	56.4	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
.9	55.7	56.6	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
.7	58.2	59.1	59.4	59.6	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
.7	59.2	60.1	60.4	60.6	60.7	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
.1	60.4	61.4	61.8	61.9	62.0	62.2	62.6	62.6	62.6	62.6	62.6	62.6	62.6
.1	63.5	64.6	64.9	65.0	65.1	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7
.3	65.4	66.4	66.8	66.9	67.0	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6
.9	67.7	68.8	69.1	69.4	69.6	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1
.3	70.2	71.3	71.7	72.0	72.1	72.3	72.7	72.7	72.7	72.7	72.7	72.7	72.7
1.1	71.9	72.7	73.0	73.3	73.4	73.7	74.0	74.0	74.0	74.0	74.0	74.0	74.0
.4	73.3	74.1	74.4	74.8	74.9	75.1	75.4	75.4	75.4	75.4	75.4	75.4	75.4
.	76.2	77.3	77.7	78.1	78.2	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8
.1	76.6	77.8	78.1	78.5	78.7	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2
.	78.2	79.5	80.1	80.6	80.7	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2
.7	80.0	81.7	82.0	82.4	82.6	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1
.4	81.0	82.6	83.1	83.9	84.2	84.4	84.9	84.9	84.9	84.9	84.9	84.9	84.9
.3	81.7	83.4	83.8	84.6	84.9	85.1	85.6	85.6	85.6	85.6	85.6	85.6	85.6
.6	82.3	84.3	84.7	85.4	85.8	86.0	86.6	86.6	86.6	86.6	86.6	86.6	86.6
.5	83.6	85.8	86.1	87.0	87.4	87.7	88.2	88.2	88.2	88.2	88.2	88.2	88.2
.9	84.0	86.9	87.4	88.3	89.0	89.3	89.9	90.0	90.0	90.0	90.0	90.0	90.0
.3	85.3	88.4	89.3	90.3	91.6	92.1	92.9	93.2	93.2	93.2	93.2	93.2	93.2
.4	86.3	89.6	90.6	91.7	93.3	93.9	95.0	95.3	95.3	95.3	95.4	95.4	95.6
.9	86.4	89.9	91.1	92.4	94.2	94.9	96.7	97.0	97.0	97.0	97.1	97.1	97.2
.5	86.4	89.9	91.1	92.4	94.2	95.0	96.9	97.4	97.6	98.0	98.1	98.1	98.6
.9	86.4	89.9	91.1	92.4	94.2	95.1	97.0	97.7	97.8	98.4	98.7	98.9	100.0
.9	86.4	89.9	91.1	92.4	94.2	95.1	97.0	97.7	97.8	98.4	98.7	98.9	100.0

909

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: SEP HOURS: 21

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	46.3	46.8	47.3	48.1	49.2	49.4	49.7	50.0	50.0	50.1	50.1	50.1
GE 20000	49.0	49.4	50.0	51.0	52.2	52.4	52.7	53.0	53.0	53.1	53.1	53.1
GE 18000	49.0	49.4	50.0	51.0	52.2	52.4	52.7	53.0	53.0	53.1	53.1	53.1
GE 16000	49.1	49.6	50.1	51.1	52.3	52.6	52.8	53.1	53.1	53.2	53.2	53.2
GE 14000	49.4	49.9	50.4	51.4	52.7	52.9	53.1	53.4	53.4	53.6	53.6	53.6
GE 12000	50.6	51.1	51.8	52.8	54.3	54.6	54.8	55.1	55.1	55.2	55.2	55.2
GE 10000	52.0	52.6	53.2	54.4	56.0	56.2	56.4	57.0	57.0	57.1	57.1	57.1
GE 9000	52.8	53.3	54.0	55.2	56.8	57.0	57.2	57.8	57.8	57.9	57.9	57.9
GE 8000	54.0	54.7	55.3	56.6	58.1	58.3	58.6	59.1	59.1	59.2	59.2	59.2
GE 7000	55.4	56.1	56.8	58.0	59.6	59.8	60.0	60.6	60.6	60.7	60.7	60.7
GE 6000	56.6	57.2	57.9	59.1	60.7	60.9	61.1	62.0	62.0	62.1	62.1	62.1
GE 5000	58.9	59.6	60.2	61.4	63.0	63.2	63.6	64.4	64.4	64.6	64.6	64.6
GE 4500	60.4	61.1	61.8	63.1	64.7	64.9	65.2	66.1	66.1	66.2	66.2	66.2
GE 4000	63.1	63.8	64.4	65.8	67.3	67.6	68.1	69.0	69.0	69.1	69.1	69.1
GE 3500	64.3	65.0	65.7	67.0	68.6	68.8	69.3	70.2	70.2	70.3	70.3	70.3
GE 3000	65.8	66.4	67.2	68.6	70.2	70.4	71.1	72.0	72.0	72.1	72.1	72.1
GE 2500	67.2	67.9	68.9	70.4	72.1	72.3	73.1	74.2	74.2	74.3	74.3	74.3
GE 2000	69.7	70.4	71.3	73.3	75.0	75.3	76.1	77.3	77.3	77.4	77.4	77.4
GE 1800	69.9	70.7	72.0	73.6	75.3	75.7	76.4	77.7	77.7	77.8	77.8	77.8
GE 1500	71.6	72.3	74.0	75.7	77.6	78.0	78.8	80.0	80.0	80.1	80.1	80.1
GE 1200	72.7	73.6	75.3	77.0	79.0	79.4	80.3	81.6	81.6	81.7	81.7	81.7
GE 1000	72.9	73.8	75.6	77.3	79.6	80.0	80.9	82.1	82.1	82.2	82.2	82.2
GE 900	73.2	74.1	76.1	78.0	80.3	80.8	81.7	82.9	82.9	83.0	83.0	83.0
GE 800	73.6	74.4	76.6	78.5	81.2	81.8	82.7	83.9	83.9	84.0	84.0	84.0
GE 700	73.7	74.6	76.8	78.9	81.9	82.4	83.3	84.8	84.8	84.9	84.9	84.9
GE 600	74.4	75.3	77.7	80.1	83.6	84.1	85.0	86.7	86.7	86.8	86.8	86.8
GE 500	75.6	76.4	79.6	82.4	86.4	87.2	88.7	90.4	90.4	90.9	90.9	90.9
GE 400	75.7	76.6	79.7	82.7	86.8	87.6	89.3	91.2	91.3	91.8	91.8	91.8
GE 300	75.7	76.6	79.9	83.3	87.6	88.8	90.8	92.8	93.1	93.7	93.9	94.0
GE 200	75.9	76.8	80.2	83.3	88.0	89.7	91.8	93.8	94.3	95.1	95.7	95.9
GE 100	75.9	76.8	80.2	83.3	88.0	89.7	91.8	93.8	94.3	95.1	95.7	95.9
GE 000	75.9	76.8	80.2	83.3	88.0	89.7	91.8	93.8	94.3	95.1	95.7	95.9

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
LST TO UTC: + 5 — MONTH: SEP HOURS: 21-23

	VISIBILITY IN STATUTE MILES												
E	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
.3	48.1	49.2	49.4	49.7	50.0	50.0	50.1	50.1	50.1	50.1	50.1	50.2	50.2
.0	51.0	52.2	52.4	52.7	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.2	53.2
.0	51.0	52.2	52.4	52.7	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.2	53.2
.1	51.1	52.3	52.6	52.8	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.3	53.3
.4	51.4	52.7	52.9	53.1	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.7	53.7
.5	52.8	54.3	54.6	54.8	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.3	55.3
.2	54.4	56.0	56.2	56.4	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.2	57.2
.0	55.2	56.8	57.0	57.2	57.8	57.8	57.9	57.9	57.9	57.9	57.9	58.0	58.0
.3	56.5	58.1	58.3	58.6	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.3	59.3
.3	58.0	59.6	59.8	60.0	60.6	60.6	60.7	60.7	60.7	60.7	60.7	60.8	60.8
.9	59.1	60.7	60.9	61.1	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.2	62.2
.2	61.4	63.0	63.2	63.6	64.4	64.4	64.6	64.6	64.6	64.6	64.6	64.7	64.7
.3	63.1	64.7	64.9	65.2	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.3	66.3
.4	65.8	67.3	67.6	68.1	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.2	69.2
.7	67.0	68.6	68.8	69.3	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.4	70.4
.2	68.6	70.2	70.4	71.1	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.2	72.2
.9	70.4	72.1	72.3	73.1	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.4	74.4
.3	73.3	75.0	75.3	76.1	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.6	77.6
.0	73.6	75.3	75.7	76.4	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.9	77.9
.2	75.7	77.6	78.0	78.8	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.2	80.2
.3	77.0	79.0	79.4	80.3	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.8	81.8
.9	77.3	79.6	80.0	80.9	82.1	82.1	82.2	82.2	82.2	82.2	82.2	82.3	82.3
.1	78.0	80.3	80.8	81.7	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.1	83.1
.5	78.5	81.2	81.8	82.7	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.1	84.1
.	78.9	81.9	82.4	83.3	84.8	84.8	84.9	84.9	84.9	84.9	84.9	85.0	85.0
.7	80.1	83.6	84.1	85.0	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.9	86.9
.6	82.4	86.4	87.2	88.7	90.4	90.4	90.9	90.9	90.9	90.9	91.0	91.1	91.1
.7	82.7	86.8	87.6	89.3	91.2	91.3	91.8	91.8	91.8	91.8	92.0	92.1	92.1
.9	83.5	87.6	88.8	90.8	92.8	93.1	93.7	93.9	94.0	94.0	94.2	94.3	94.3
.2	83.3	88.0	89.7	91.8	93.8	94.3	95.1	95.7	95.9	96.8	97.1	97.6	97.7
.2	83.3	88.0	89.7	91.8	93.8	94.3	95.1	95.7	95.9	96.9	97.4	98.6	99.6
.2	83.3	88.0	89.7	91.8	93.8	94.3	95.1	95.7	95.9	96.9	97.6	98.8	100.0

S 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBIL
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	39.4	39.9	40.6	40.9	41.6	41.7	42.0	42.2	42.3	42.4	42.5	42.5	42.6
GE 20000	42.7	43.4	44.2	44.7	45.4	45.6	45.9	46.1	46.3	46.3	46.4	46.5	46.6
GE 18000	42.9	43.6	44.4	44.9	45.7	45.9	46.1	46.4	46.5	46.6	46.7	46.7	46.8
GE 16000	43.0	43.8	44.6	45.1	45.9	46.1	46.3	46.6	46.7	46.8	46.9	46.9	47.0
GE 14000	43.5	44.3	45.1	45.6	46.4	46.6	46.9	47.2	47.4	47.5	47.6	47.6	47.7
GE 12000	44.6	45.4	46.4	46.9	47.8	47.9	48.3	48.6	48.8	48.8	48.9	49.0	49.1
GE 10000	46.4	47.3	48.4	49.0	49.8	50.0	50.3	50.7	50.9	51.0	51.1	51.1	51.3
GE 9000	47.1	48.0	49.1	49.7	50.6	50.8	51.1	51.5	51.7	51.8	51.9	51.9	52.0
GE 8000	49.3	50.3	51.5	52.2	53.2	53.4	53.7	54.1	54.3	54.4	54.6	54.6	54.7
GE 7000	50.6	51.6	52.9	53.6	54.6	54.8	55.2	55.5	55.8	55.9	56.1	56.1	56.2
GE 6000	51.5	52.5	53.8	54.5	55.7	55.9	56.2	56.7	57.0	57.1	57.3	57.3	57.4
GE 5000	53.5	54.6	56.2	57.0	58.2	58.4	58.8	59.4	59.6	59.8	59.9	59.9	60.1
GE 4500	55.0	56.2	57.8	58.7	59.9	60.2	60.6	61.1	61.4	61.5	61.7	61.7	61.8
GE 4000	57.7	58.9	60.7	61.6	63.0	63.2	63.7	64.3	64.5	64.7	64.8	64.9	65.0
GE 3500	59.2	60.5	62.3	63.2	64.6	64.9	65.3	65.9	66.2	66.3	66.5	66.5	66.6
GE 3000	61.4	62.7	64.7	65.6	67.0	67.3	67.8	68.3	68.6	68.8	68.9	68.9	69.0
GE 2500	63.9	65.3	67.4	68.4	69.8	70.1	70.6	71.2	71.5	71.7	71.8	71.8	71.9
GE 2000	66.9	68.4	70.6	71.7	73.2	73.5	74.1	74.7	75.0	75.2	75.3	75.3	75.5
GE 1800	67.4	68.8	71.1	72.2	73.8	74.1	74.7	75.3	75.6	75.7	75.9	75.9	76.0
GE 1500	69.2	70.7	73.2	74.3	76.1	76.4	77.0	77.7	77.9	78.1	78.3	78.3	78.4
GE 1200	70.7	72.2	74.6	75.9	77.8	78.2	78.8	79.5	79.7	79.9	80.1	80.1	80.2
GE 1000	71.6	73.1	75.9	77.2	79.2	79.6	80.3	81.1	81.3	81.5	81.7	81.7	81.8
GE 900	72.1	73.8	76.5	78.0	80.1	80.5	81.3	82.1	82.3	82.5	82.7	82.7	82.8
GE 800	72.7	74.3	77.2	78.8	81.0	81.6	82.4	83.3	83.6	83.8	84.0	84.0	84.1
GE 700	73.1	74.8	77.8	79.5	82.0	82.6	83.5	84.5	84.8	85.0	85.2	85.2	85.3
GE 600	73.7	75.4	78.7	80.8	83.7	84.4	85.4	86.5	86.9	87.2	87.4	87.4	87.5
GE 500	74.3	76.0	79.7	82.1	85.5	86.3	87.7	89.0	89.6	89.9	90.2	90.2	90.3
GE 400	74.5	76.4	80.2	82.7	86.3	87.3	89.0	90.7	91.4	91.9	92.1	92.1	92.3
GE 300	74.7	76.5	80.5	83.1	87.1	88.4	90.5	92.5	93.7	94.4	94.7	94.7	95.0
GE 200	74.7	76.6	80.6	83.3	87.3	88.7	91.1	93.3	95.0	95.9	96.5	96.7	97.3
GE 100	74.7	76.6	80.6	83.3	87.3	88.7	91.1	93.4	95.1	95.9	96.7	96.9	97.6
GE 000	74.7	76.6	80.6	83.3	87.3	88.7	91.1	93.4	95.1	95.9	96.7	96.9	97.6

TOTAL NUMBER OF OBSERVATIONS 7200

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: SEP HOURS: ALL

CEILING	VISIBILITY IN STATUTE MILES											
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
GE													
0.9	41.6	41.7	42.0	42.2	42.3	42.4	42.5	42.5	42.6	42.6	42.7	42.7	
4.7	45.4	45.6	45.9	46.1	46.3	46.3	46.4	46.5	46.6	46.6	46.6	46.7	
4.9	45.7	45.9	46.1	46.4	46.5	46.6	46.7	46.7	46.8	46.9	46.9	46.9	
5.1	45.9	46.1	46.3	46.6	46.7	46.8	46.9	46.9	47.0	47.1	47.1	47.1	
5.6	46.4	46.6	46.9	47.2	47.4	47.5	47.6	47.6	47.7	47.7	47.8	47.8	
5.9	47.8	47.9	48.3	48.6	48.8	48.8	48.9	49.0	49.1	49.1	49.2	49.2	
8.0	49.8	50.0	50.3	50.7	50.9	51.0	51.1	51.1	51.3	51.3	51.4	51.4	
8.7	50.6	50.8	51.1	51.5	51.7	51.8	51.9	51.9	52.0	52.1	52.1	52.2	
9.2	53.2	53.4	53.7	54.1	54.3	54.4	54.6	54.6	54.7	54.8	54.8	54.8	
9.5	54.6	54.8	55.2	55.5	55.8	55.9	56.1	56.1	56.2	56.2	56.3	56.3	
9.5	55.7	55.9	56.2	56.7	57.0	57.1	57.3	57.3	57.4	57.4	57.5	57.5	
7.0	59.2	58.4	58.8	59.4	59.6	59.8	59.9	59.9	60.1	60.1	60.2	60.2	
5.7	59.9	60.2	60.6	61.1	61.4	61.5	61.7	61.7	61.8	61.9	61.9	62.0	
1.6	63.0	63.2	63.7	64.3	64.5	64.7	64.8	64.9	65.0	65.0	65.1	65.1	
3.2	64.6	64.9	65.3	65.9	66.2	66.3	66.5	66.5	66.6	66.7	66.7	66.8	
5.6	67.0	67.3	67.8	68.3	68.6	68.8	68.9	68.9	69.0	69.1	69.2	69.2	
.4	69.8	70.1	70.6	71.2	71.5	71.7	71.8	71.8	71.9	72.0	72.1	72.1	
1.7	73.2	73.5	74.1	74.7	75.0	75.2	75.3	75.3	75.5	75.5	75.6	75.6	
2.2	73.8	74.1	74.7	75.3	75.6	75.7	75.9	75.9	76.0	76.1	76.2	76.2	
4.3	76.1	76.4	77.0	77.7	77.9	78.1	78.3	78.3	78.4	78.5	78.5	78.6	
.9	77.8	78.2	78.8	79.5	79.7	79.9	80.1	80.1	80.2	80.3	80.3	80.3	
7.2	79.2	79.6	80.3	81.1	81.3	81.5	81.7	81.7	81.8	81.9	81.9	82.0	
.0	80.1	80.5	81.3	82.1	82.3	82.5	82.7	82.7	82.8	82.9	82.9	83.0	
.5	81.0	81.6	82.4	83.3	83.6	83.8	84.0	84.0	84.1	84.2	84.2	84.3	
2.5	82.0	82.6	83.5	84.5	84.8	85.0	85.2	85.2	85.3	85.4	85.5	85.5	
3.3	83.7	84.4	85.4	86.5	86.9	87.2	87.4	87.4	87.5	87.6	87.6	87.7	
7.1	85.5	86.3	87.7	89.0	89.6	89.9	90.2	90.2	90.3	90.4	90.5	90.5	
.7	86.3	87.3	89.0	90.7	91.4	91.9	92.1	92.1	92.3	92.4	92.5	92.6	
.1	87.1	88.4	90.5	92.5	93.7	94.4	94.7	94.7	95.0	95.2	95.3	95.5	
2.3	87.3	88.7	91.1	93.3	95.0	95.9	96.5	96.7	97.3	97.6	98.0	98.5	
3.3	87.3	88.7	91.1	93.4	95.1	95.9	96.7	96.9	97.6	98.0	98.6	99.7	
.3	87.3	88.7	91.1	93.4	95.1	95.9	96.7	96.9	97.6	98.0	98.6	100.0	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILIT
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	32.8	33.0	33.8	33.9	35.1	35.2	35.5	35.8	36.0	36.1	36.2	36.2	36.5
GE 20000	35.5	35.7	36.5	36.6	37.7	37.8	38.2	38.5	38.7	38.8	38.9	38.9	39.1
GE 18000	35.5	35.7	36.5	36.6	37.7	37.8	38.2	38.5	38.7	38.8	38.9	38.9	39.1
GE 16000	35.5	35.7	36.5	36.6	37.7	37.8	38.2	38.5	38.7	38.8	38.9	38.9	39.1
GE 14000	36.6	36.8	37.5	37.6	38.3	38.9	39.2	39.6	39.8	39.9	40.0	40.0	40.2
GE 12000	37.8	38.1	38.8	38.9	40.1	40.3	40.6	41.1	41.3	41.4	41.5	41.5	41.7
GE 10000	39.6	39.8	40.5	40.6	41.8	42.0	42.4	42.8	43.0	43.1	43.2	43.2	43.4
GE 9000	40.0	40.2	41.0	41.1	42.3	42.5	42.8	43.2	43.4	43.5	43.7	43.7	43.9
GE 8000	42.2	42.4	43.1	43.2	44.4	44.6	44.9	45.4	45.6	45.7	45.8	45.8	46.0
GE 7000	43.8	44.0	44.7	44.8	46.0	46.2	46.6	47.0	47.2	47.3	47.4	47.4	47.6
GE 6000	45.1	45.3	46.0	46.1	47.3	47.5	47.8	48.3	48.5	48.6	48.7	48.7	48.9
GE 5000	47.1	47.3	48.1	48.3	49.5	49.7	50.2	50.6	50.9	51.0	51.1	51.1	51.3
GE 4500	50.4	50.6	51.5	51.8	53.1	53.3	53.9	54.3	54.5	54.6	54.7	54.7	54.9
GE 4000	55.6	55.8	56.7	57.0	58.4	58.6	59.1	59.6	59.8	59.9	60.0	60.0	60.2
GE 3500	58.8	59.0	59.9	60.2	61.6	61.8	62.4	62.8	63.0	63.1	63.2	63.2	63.4
GE 3000	61.6	61.8	62.8	63.2	64.8	65.1	65.6	66.0	66.2	66.3	66.5	66.5	66.7
GE 2500	63.8	64.0	64.9	65.4	67.1	67.5	68.3	68.7	68.9	69.0	69.1	69.1	69.4
GE 2000	67.5	67.8	68.9	69.4	71.2	71.7	72.5	72.9	73.1	73.2	73.3	73.3	73.5
GE 1800	68.9	69.2	70.5	71.0	72.8	73.3	74.1	74.5	74.7	74.8	74.9	74.9	75.2
GE 1500	71.1	71.4	73.1	73.7	75.6	76.1	76.9	77.3	77.5	77.6	77.7	77.7	78.0
GE 1200	72.3	72.8	74.9	75.9	78.0	78.5	79.2	79.7	80.0	80.2	80.3	80.3	80.5
GE 1000	73.7	74.3	76.9	78.1	80.3	81.0	81.8	82.3	82.7	82.9	83.0	83.0	83.2
GE 900	74.4	75.1	77.6	78.8	81.6	82.3	83.1	83.5	84.0	84.3	84.5	84.5	84.7
GE 800	75.6	76.2	79.0	80.3	83.4	84.1	84.9	85.4	85.8	86.5	86.8	86.8	87.1
GE 700	75.9	76.6	80.1	81.4	84.6	85.5	86.6	87.0	87.4	88.1	88.4	88.4	88.7
GE 600	77.0	77.6	81.2	82.5	85.8	86.9	88.1	88.5	88.9	89.6	90.0	90.0	90.3
GE 500	77.3	78.0	81.6	83.3	86.8	88.2	89.4	90.0	90.4	91.1	91.5	91.5	91.8
GE 400	77.3	78.0	81.6	83.3	86.9	88.7	90.6	91.8	92.5	93.3	93.8	93.8	94.1
GE 300	77.4	78.1	81.7	83.4	87.1	89.0	91.1	92.6	93.8	94.7	95.2	95.2	95.5
GE 200	77.5	78.2	81.8	83.5	87.2	89.1	92.0	93.8	95.1	96.3	96.9	96.9	97.5
GE 100	77.5	78.2	81.8	83.5	87.2	89.1	92.0	93.8	95.2	96.5	97.0	97.1	97.7
GE 000	77.5	78.2	81.8	83.5	87.2	89.1	92.0	93.8	95.2	96.5	97.0	97.1	97.7

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: OCT HOURS: 00-02

VISIBILITY IN STATUTE MILES												
GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
33.9	35.1	35.2	35.5	35.8	36.0	36.1	36.2	36.2	36.5	36.5	36.6	36.8
36.6	37.7	37.8	38.2	38.5	38.7	38.8	38.9	38.9	39.1	39.1	39.2	39.5
36.6	37.7	37.8	38.2	38.5	38.7	38.8	38.9	38.9	39.1	39.1	39.2	39.5
36.6	37.7	37.8	38.2	38.5	38.7	38.8	38.9	38.9	39.1	39.1	39.2	39.5
37.6	38.3	38.9	39.2	39.6	39.8	39.9	40.0	40.0	40.2	40.2	40.3	40.5
38.9	40.1	40.3	40.6	41.1	41.3	41.4	41.5	41.5	41.7	41.7	41.8	42.0
40.6	41.8	42.0	42.4	42.8	43.0	43.1	43.2	43.2	43.4	43.4	43.5	43.8
41.1	42.3	42.5	42.8	43.2	43.4	43.5	43.7	43.7	43.9	43.9	44.0	44.2
43.2	44.4	44.6	44.9	45.4	45.6	45.7	45.8	45.8	46.0	46.0	46.1	46.3
44.8	46.0	46.2	46.6	47.0	47.2	47.3	47.4	47.4	47.6	47.6	47.7	48.0
46.1	47.3	47.5	47.8	48.3	48.5	48.6	48.7	48.7	48.9	48.9	49.0	49.2
48.3	49.5	49.7	50.2	50.6	50.9	51.0	51.1	51.1	51.3	51.3	51.4	51.6
51.8	53.1	53.3	53.9	54.3	54.5	54.6	54.7	54.7	54.9	54.9	55.1	55.3
57.0	58.4	58.6	59.1	59.6	59.8	59.9	60.0	60.0	60.2	60.2	60.3	60.5
60.2	61.6	61.8	62.4	62.8	63.0	63.1	63.2	63.2	63.4	63.4	63.5	63.8
63.2	64.8	65.1	65.6	66.0	66.2	66.3	66.5	66.5	66.7	66.7	66.8	67.0
65.4	67.1	67.5	68.3	68.7	68.9	69.0	69.1	69.1	69.4	69.4	69.5	69.7
69.4	71.2	71.7	72.5	72.9	73.1	73.2	73.3	73.3	73.5	73.5	73.7	73.9
71.0	72.8	73.3	74.1	74.5	74.7	74.8	74.9	74.9	75.2	75.2	75.3	75.5
73.7	75.6	76.1	76.9	77.3	77.5	77.6	77.7	77.7	78.0	78.0	78.1	78.3
75.9	78.0	78.5	79.2	79.7	80.0	80.2	80.3	80.3	80.5	80.5	80.6	80.9
78.1	80.3	81.0	81.8	82.3	82.7	82.9	83.0	83.0	83.2	83.2	83.3	83.5
78.8	81.6	82.3	83.1	83.5	84.0	84.3	84.5	84.5	84.7	84.7	84.8	85.1
80.3	83.4	84.1	84.9	85.4	85.8	86.5	86.8	86.8	87.1	87.1	87.2	87.4
81.4	84.6	85.5	86.6	87.0	87.4	88.1	88.4	88.4	88.7	88.7	88.8	89.0
82.5	85.8	86.9	88.1	88.5	88.9	89.6	90.0	90.0	90.3	90.3	90.4	90.6
83.3	86.8	88.2	89.4	90.0	90.4	91.1	91.5	91.5	91.8	91.8	91.9	92.2
83.3	86.9	88.7	90.6	91.8	92.5	93.3	93.8	93.8	94.1	94.1	94.4	94.6
83.4	87.1	89.0	91.1	92.6	93.8	94.7	95.2	95.2	95.5	95.6	96.0	96.2
83.5	87.2	89.1	92.0	93.8	95.1	96.3	96.9	96.9	97.5	97.7	98.2	98.7
83.5	87.2	89.1	92.0	93.8	95.2	96.5	97.0	97.1	97.7	98.0	98.6	99.9
83.5	87.2	89.1	92.0	93.8	95.2	96.5	97.0	97.1	97.7	98.0	98.6	100.0

930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AL
LST TO UTC: + 5 MONTH: OCT HOURS: (

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	29.7	30.0	30.4	31.1	32.0	32.0	32.8	33.1	33.2	33.7	33.9	34.0
GE 20000	31.3	31.6	32.0	32.7	33.8	33.8	34.5	34.8	34.9	35.4	35.6	35.7
GE 18000	31.5	31.8	32.3	32.9	34.0	34.0	34.7	35.1	35.2	35.6	35.8	35.9
GE 16000	31.6	31.9	32.4	33.0	34.1	34.1	34.8	35.2	35.3	35.7	35.9	36.0
GE 14000	32.7	33.0	33.4	34.1	35.2	35.2	35.9	36.2	36.3	36.8	37.0	37.1
GE 12000	34.6	34.9	35.4	36.0	37.1	37.1	37.8	38.2	38.3	38.7	38.9	39.0
GE 10000	37.0	37.3	37.8	38.6	39.7	39.7	40.4	40.8	40.9	41.3	41.5	41.6
GE 9000	37.3	37.6	38.2	38.9	40.0	40.0	40.8	41.1	41.2	41.6	41.8	41.9
GE 8000	38.9	39.4	39.9	40.8	41.8	41.8	42.5	42.9	43.0	43.4	43.7	43.8
GE 7000	39.8	40.2	40.8	41.6	42.7	42.7	43.4	43.8	43.9	44.3	44.5	44.6
GE 6000	40.6	41.1	41.6	42.5	43.5	43.5	44.3	44.6	44.7	45.2	45.4	45.5
GE 5000	43.9	44.3	44.8	45.7	46.8	46.8	47.5	47.8	48.0	48.4	48.6	48.7
GE 4500	45.9	46.3	46.9	47.7	48.9	48.9	49.8	50.2	50.3	50.8	51.0	51.1
GE 4000	50.9	51.3	51.9	52.9	54.2	54.2	55.1	55.5	55.6	56.0	56.2	56.3
GE 3500	53.7	54.1	54.7	55.7	57.0	57.0	57.8	58.3	58.4	58.8	59.0	59.1
GE 3000	56.6	57.1	57.8	58.9	60.2	60.2	61.1	61.5	61.6	62.0	62.3	62.4
GE 2500	59.4	59.9	60.6	61.8	63.1	63.3	64.2	64.6	64.7	65.2	65.4	65.5
GE 2000	64.2	64.7	65.6	67.0	68.3	68.5	69.5	69.9	70.0	70.4	70.6	70.8
GE 1800	65.1	65.6	66.5	67.8	69.1	69.7	70.6	71.2	71.3	71.7	71.9	72.0
GE 1500	67.5	68.1	69.2	70.6	72.3	72.9	73.9	74.5	74.6	75.1	75.3	75.4
GE 1200	68.6	69.1	70.5	72.4	74.1	74.7	75.7	76.3	76.5	76.9	77.1	77.2
GE 1000	69.8	70.3	72.0	74.2	76.3	77.0	78.2	78.8	78.9	79.4	79.6	79.7
GE 900	70.9	71.4	73.1	75.5	77.7	78.5	79.7	80.3	80.4	80.9	81.3	81.4
GE 800	71.7	72.4	74.4	77.0	79.7	80.4	81.7	82.4	82.6	83.2	83.7	83.8
GE 700	72.6	73.2	75.4	78.3	81.4	82.4	83.8	84.5	84.7	85.4	85.6	85.9
GE 600	73.1	73.8	75.9	78.9	82.4	83.4	85.2	85.9	86.1	86.8	87.2	87.3
GE 500	73.7	74.3	76.5	79.6	84.0	85.4	87.3	88.4	88.6	89.4	89.8	89.9
GE 400	73.9	74.5	76.7	80.0	84.9	86.3	88.6	90.1	90.9	91.7	92.2	92.3
GE 300	74.1	74.7	77.1	80.4	85.9	87.3	89.8	91.6	92.6	93.8	94.2	94.3
GE 200	74.2	74.8	77.2	80.6	86.2	87.6	90.4	92.4	93.7	95.3	95.8	96.0
GE 100	74.2	74.8	77.2	80.6	86.2	87.6	90.4	92.4	93.7	95.4	96.0	96.2
GE 000	74.2	74.8	77.2	80.6	86.2	87.6	90.4	92.4	93.7	95.4	96.0	96.2

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
LST TO UTC: + 5 — MONTH: OCT HOURS: 03-05

CEILING	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
.4	31.1	32.0	32.0	32.8	33.1	33.2	33.7	33.9	34.0	34.3	34.4	34.6	34.7
.0	32.7	33.8	33.8	34.5	34.8	34.9	35.4	35.6	35.7	36.0	36.1	36.3	36.5
.3	32.9	34.0	34.0	34.7	35.1	35.2	35.6	35.8	35.9	36.2	36.3	36.6	36.7
.4	33.0	34.1	34.1	34.8	35.2	35.3	35.7	35.9	36.0	36.3	36.5	36.7	36.8
.4	34.1	35.2	35.2	35.9	36.2	36.3	36.8	37.0	37.1	37.4	37.5	37.7	37.8
.4	36.0	37.1	37.1	37.8	38.2	38.3	38.7	38.9	39.0	39.4	39.5	39.7	39.8
.3	38.6	39.7	39.7	40.4	40.8	40.9	41.3	41.5	41.6	41.9	42.0	42.3	42.4
.2	38.9	40.0	40.0	40.8	41.1	41.2	41.6	41.8	41.9	42.3	42.4	42.6	42.7
.9	40.8	41.8	41.8	42.6	42.9	43.0	43.4	43.7	43.8	44.1	44.2	44.4	44.5
.3	41.6	42.7	42.7	43.4	43.8	43.9	44.3	44.5	44.6	44.9	45.1	45.3	45.4
.6	42.5	43.5	43.5	44.3	44.6	44.7	45.2	45.4	45.5	45.8	45.9	46.1	46.2
.8	45.7	46.8	46.8	47.5	47.8	48.0	48.4	48.6	48.7	49.0	49.1	49.4	49.5
.9	47.7	48.9	48.9	49.8	50.2	50.3	50.8	51.0	51.1	51.4	51.5	51.7	51.8
.9	52.9	54.2	54.2	55.1	55.5	55.6	56.0	56.2	56.3	56.7	56.8	57.0	57.1
.7	55.7	57.0	57.0	57.8	58.3	58.4	58.8	59.0	59.1	59.5	59.6	59.8	59.9
.8	58.9	60.2	60.2	61.1	61.5	61.6	62.0	62.3	62.4	62.7	62.8	63.0	63.1
.5	61.8	63.1	63.3	64.2	64.6	64.7	65.2	65.4	65.5	65.8	65.9	66.1	66.2
.6	67.0	68.3	68.5	69.5	69.9	70.0	70.4	70.6	70.8	71.1	71.2	71.4	71.5
.5	67.8	69.1	69.7	70.6	71.2	71.3	71.7	71.9	72.0	72.4	72.5	72.7	72.8
.2	70.6	72.3	72.9	73.9	74.5	74.6	75.1	75.3	75.4	75.7	75.8	76.0	76.1
.5	72.4	74.1	74.7	75.7	76.3	76.5	76.9	77.1	77.2	77.5	77.6	77.8	78.0
.0	74.2	76.3	77.0	78.2	78.8	78.9	79.4	79.6	79.7	80.0	80.1	80.3	80.4
.1	75.5	77.7	78.5	79.7	80.3	80.4	80.9	81.3	81.4	81.7	81.8	82.2	82.3
.4	77.0	79.7	80.4	81.7	82.4	82.6	83.2	83.7	83.8	84.2	84.3	84.6	84.7
.4	78.3	81.4	82.4	83.8	84.5	84.7	85.4	85.8	85.9	86.3	86.5	86.8	86.9
.9	78.9	82.4	83.4	85.2	85.9	86.1	86.8	87.2	87.3	87.7	87.8	88.2	88.3
.5	79.6	84.0	85.4	87.3	88.4	88.6	89.4	89.8	89.9	90.3	90.4	90.8	90.9
.7	80.0	84.9	86.3	88.6	90.1	90.9	91.7	92.2	92.3	92.9	93.0	93.3	93.4
.1	80.4	85.9	87.3	89.8	91.6	92.6	93.8	94.2	94.3	95.1	95.2	95.6	95.7
.2	80.6	86.2	87.6	90.4	92.4	93.7	95.3	95.8	96.0	97.7	97.8	98.7	99.1
.2	80.6	86.2	87.6	90.4	92.4	93.7	95.4	96.0	96.2	98.0	98.1	99.1	100.0
.2	80.6	86.2	87.6	90.4	92.4	93.7	95.4	96.0	96.2	98.0	98.1	99.1	100.0

S 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: OCT HOURS: 06

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	27.8	28.0	28.8	29.5	30.6	30.8	31.1	31.9	32.3	32.5	32.6	32.7
GE 20000	30.5	30.6	31.5	32.2	33.3	33.4	33.8	34.6	34.9	35.2	35.3	35.4
GE 18000	30.9	30.9	31.7	32.4	33.7	33.8	34.1	34.9	35.3	35.5	35.6	35.7
GE 16000	30.9	31.0	31.8	32.5	33.8	33.9	34.2	35.1	35.4	35.6	35.7	35.8
GE 14000	31.4	31.5	32.4	33.0	34.3	34.4	34.7	35.6	35.9	36.1	36.2	36.3
GE 12000	32.3	32.4	33.2	33.9	35.2	35.3	35.6	36.5	36.8	37.0	37.1	37.2
GE 10000	34.7	34.8	35.7	36.3	37.6	37.7	38.1	38.9	39.2	39.5	39.6	39.7
GE 9000	35.1	35.2	36.0	36.8	38.1	38.2	38.7	39.6	39.9	40.1	40.2	40.3
GE 8000	36.7	36.8	37.7	38.5	39.8	40.1	40.6	41.5	41.8	42.0	42.2	42.3
GE 7000	37.5	37.6	38.7	39.5	40.9	41.2	41.7	42.6	42.9	43.1	43.2	43.3
GE 6000	38.4	38.5	39.6	40.3	41.7	42.0	42.6	43.4	43.8	44.0	44.1	44.2
GE 5000	41.1	41.2	42.3	43.0	44.6	44.9	45.5	46.6	47.0	47.3	47.4	47.5
GE 4500	43.1	43.2	44.3	45.1	46.7	47.0	47.5	48.7	49.1	49.5	49.7	49.8
GE 4000	46.6	46.7	47.8	48.6	50.4	50.8	51.3	52.5	53.0	53.3	53.5	53.7
GE 3500	48.6	48.7	49.9	50.6	52.5	52.8	53.4	54.7	55.3	55.6	55.8	55.9
GE 3000	53.2	53.3	54.6	55.4	57.3	57.6	58.3	59.6	60.1	60.4	60.6	60.8
GE 2500	56.2	56.3	57.6	58.6	60.5	60.9	61.7	63.0	63.5	63.9	64.1	64.2
GE 2000	60.0	60.1	61.7	62.7	64.8	65.2	66.1	67.4	68.0	68.3	68.5	68.6
GE 1800	61.4	61.5	63.1	64.1	66.2	66.6	67.5	68.8	69.4	69.7	69.9	70.0
GE 1500	64.4	64.6	66.5	67.6	70.0	70.3	71.3	72.6	73.1	73.4	73.7	73.8
GE 1200	66.1	66.3	68.6	70.2	72.7	73.0	74.1	75.4	75.9	76.2	76.5	76.6
GE 1000	67.3	67.7	70.0	71.7	74.5	74.8	76.0	77.3	78.0	78.3	78.5	78.6
GE 900	67.8	68.3	71.2	73.1	75.9	76.5	77.7	79.0	79.7	80.0	80.2	80.3
GE 800	69.1	69.6	72.7	74.7	77.3	78.8	80.2	81.5	82.2	82.6	82.9	83.0
GE 700	69.5	69.9	73.3	75.5	79.2	79.8	81.3	82.9	83.8	84.4	84.7	84.8
GE 600	69.5	69.9	73.3	75.6	80.0	80.6	82.4	84.3	85.4	86.0	86.3	86.5
GE 500	69.7	70.1	73.7	75.9	81.4	82.2	84.2	86.5	88.2	88.8	89.1	89.2
GE 400	70.0	70.5	74.1	76.3	81.9	82.8	85.1	87.5	89.8	90.4	90.8	90.9
GE 300	70.0	70.8	74.5	77.1	83.1	84.0	86.7	89.7	92.2	92.9	93.3	93.4
GE 200	70.0	70.8	74.5	77.1	83.1	84.1	87.0	90.1	92.8	93.7	94.2	94.4
GE 100	70.0	70.8	74.5	77.1	83.2	84.2	87.2	90.3	93.0	93.9	94.4	94.6
GE 000	70.0	70.8	74.5	77.1	83.2	84.2	87.2	90.3	93.0	93.9	94.4	94.6

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: OCT HOURS: 06-08

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
.9	29.5	30.6	30.8	31.1	31.9	32.3	32.5	32.6	32.7	32.8	32.9	33.3	33.9
.5	32.2	33.3	33.4	33.8	34.6	34.9	35.2	35.3	35.4	35.5	35.6	36.1	36.8
.7	32.4	33.7	33.8	34.1	34.9	35.3	35.5	35.6	35.7	35.8	35.9	36.5	37.1
.8	32.5	33.8	33.9	34.2	35.1	35.4	35.6	35.7	35.8	35.9	36.0	36.6	37.2
.4	33.0	34.3	34.4	34.7	35.6	35.9	36.1	36.2	36.3	36.5	36.6	37.1	37.7
.2	33.9	35.2	35.3	35.6	36.5	36.8	37.0	37.1	37.2	37.3	37.4	38.0	38.6
.7	36.3	37.6	37.7	38.1	38.9	39.2	39.5	39.6	39.7	39.8	39.9	40.5	41.2
.0	36.8	38.1	38.2	38.7	39.6	39.9	40.1	40.2	40.3	40.4	40.5	41.2	41.8
.7	38.5	39.8	40.1	40.6	41.5	41.8	42.0	42.2	42.3	42.4	42.5	43.1	43.8
.7	39.5	40.9	41.2	41.7	42.6	42.9	43.1	43.2	43.3	43.4	43.5	44.2	44.8
.6	40.3	41.7	42.0	42.6	43.4	43.8	44.0	44.1	44.2	44.3	44.4	45.1	45.7
.3	43.0	44.6	44.9	45.5	46.6	47.0	47.3	47.4	47.5	47.6	47.7	48.4	49.0
.3	45.1	46.7	47.0	47.5	48.7	49.1	49.5	49.7	49.8	49.9	50.0	50.6	51.3
.3	48.6	50.4	50.8	51.3	52.5	53.0	53.3	53.5	53.7	53.8	53.9	54.5	55.2
.9	50.6	52.5	52.8	53.4	54.7	55.3	55.6	55.8	55.9	56.0	56.1	56.8	57.4
.6	55.4	57.3	57.6	58.3	59.6	60.1	60.4	60.6	60.8	61.0	61.1	61.7	62.4
.5	58.6	60.5	60.9	61.7	63.0	63.5	63.9	64.1	64.2	64.4	64.5	65.2	65.8
.7	62.7	64.8	65.2	66.1	67.4	68.0	68.3	68.5	68.6	68.8	68.9	69.6	70.2
.1	64.1	66.2	66.6	67.5	68.8	69.4	69.7	69.9	70.0	70.2	70.3	71.0	71.6
.5	67.6	70.0	70.3	71.3	72.6	73.1	73.4	73.7	73.8	74.0	74.1	74.7	75.4
.6	70.2	72.7	73.0	74.1	75.4	75.9	76.2	76.5	76.6	76.8	76.9	77.5	78.2
.0	71.7	74.5	74.8	76.0	77.3	78.0	78.3	78.5	78.6	78.8	78.9	79.6	80.2
.2	73.1	75.9	76.5	77.7	79.0	79.7	80.0	80.2	80.3	80.5	80.6	81.3	81.9
.7	74.7	78.3	78.8	80.2	81.5	82.2	82.6	82.9	83.0	83.2	83.3	84.0	84.6
.3	75.5	79.2	79.8	81.3	82.9	83.8	84.4	84.7	84.8	85.1	85.2	85.8	86.5
.3	75.6	80.0	80.6	82.4	84.3	85.4	86.0	86.3	86.5	86.7	86.8	87.4	88.1
.7	75.9	81.4	82.2	84.2	86.5	88.2	88.8	89.1	89.2	89.5	89.6	90.2	90.9
.1	76.3	81.9	82.8	85.1	87.5	89.8	90.4	90.8	90.9	91.3	91.4	92.0	92.7
.5	77.1	83.1	84.0	86.7	89.7	92.2	92.9	93.3	93.4	94.1	94.4	95.4	96.5
.5	77.1	83.1	84.1	87.0	90.1	92.8	93.7	94.2	94.4	95.7	96.1	97.3	98.7
.5	77.1	83.2	84.2	87.2	90.3	93.0	93.9	94.4	94.6	96.0	96.5	97.6	99.7
.5	77.1	83.2	84.2	87.2	90.3	93.0	93.9	94.4	94.6	96.0	96.5	97.6	100.0

NS 930

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD:
LST TO UTC: + 5 — MONTH: OCT HOURS

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	28.8	28.9	29.5	30.4	30.5	31.0	31.1	31.2	31.2	31.2	31.2	31.
GE 20000	31.9	32.2	32.7	33.7	33.8	34.2	34.3	34.4	34.4	34.4	34.4	34.
GE 18000	32.3	32.6	33.1	34.1	34.2	34.6	34.7	34.8	34.8	34.8	34.8	34.
GE 16000	32.6	32.8	33.4	34.4	34.5	34.9	35.1	35.2	35.2	35.2	35.2	35.
GE 14000	32.7	32.9	33.5	34.5	34.6	35.1	35.2	35.3	35.3	35.3	35.3	35.
GE 12000	34.3	34.5	35.2	36.1	36.2	36.7	36.8	36.9	36.9	36.9	36.9	36.
GE 10000	37.7	38.1	38.8	39.9	40.0	40.4	40.5	40.6	40.6	40.6	40.6	40.
GE 9000	38.6	38.9	39.7	40.8	40.9	41.3	41.5	41.6	41.6	41.6	41.6	41.
GE 8000	39.7	40.1	40.9	41.9	42.0	42.5	42.7	43.0	43.0	43.0	43.0	43.
GE 7000	40.8	41.2	41.9	43.0	43.1	43.5	43.8	44.1	44.1	44.1	44.1	44.
GE 6000	41.8	42.3	43.1	44.3	44.4	44.8	45.1	45.4	45.4	45.4	45.4	45.
GE 5000	45.6	46.0	46.9	48.1	48.2	48.6	48.8	49.1	49.2	49.5	49.5	49.
GE 4500	46.3	46.8	47.6	48.8	48.9	49.4	49.6	49.9	50.0	50.2	50.2	50.
GE 4000	48.4	48.9	50.2	51.5	51.6	52.2	52.4	52.7	52.8	53.1	53.1	53.
GE 3500	49.6	50.1	51.4	52.7	52.8	53.3	53.8	54.1	54.2	54.5	54.5	54.
GE 3000	54.4	54.9	56.3	57.6	57.8	58.4	58.8	59.1	59.2	59.6	59.6	59.
GE 2500	57.6	58.3	59.7	61.0	61.2	61.8	62.3	62.6	62.7	63.0	63.0	63.
GE 2000	61.9	62.7	64.2	65.5	65.8	66.5	66.9	67.3	67.4	67.7	67.7	67.
GE 1800	64.0	64.7	66.3	67.6	68.0	68.6	69.0	69.5	69.6	69.9	69.9	69.
GE 1500	66.9	68.0	70.0	71.5	71.9	72.7	73.1	73.5	73.8	74.1	74.1	74.
GE 1200	69.6	70.6	73.0	74.6	75.2	76.1	76.7	77.1	77.3	77.6	77.6	77.
GE 1000	70.9	72.0	74.7	76.5	77.2	78.3	78.8	79.2	79.6	79.9	79.9	79.
GE 900	71.7	73.0	76.1	78.1	78.9	80.0	80.6	81.1	81.5	81.8	81.8	81.
GE 800	72.5	73.8	76.9	78.8	79.7	81.0	81.7	82.5	82.9	83.2	83.2	83.
GE 700	73.0	74.3	77.4	79.5	80.3	81.9	82.8	84.0	84.4	84.7	84.7	84.
GE 600	73.3	74.7	78.1	80.1	82.2	83.8	84.9	86.6	87.0	87.3	87.3	87.
GE 500	73.9	75.4	79.0	81.2	83.7	85.4	86.9	89.6	90.3	90.9	90.9	90.
GE 400	74.1	75.6	79.4	81.7	84.4	86.2	88.2	91.2	92.2	92.8	92.9	93.
GE 300	74.2	75.8	79.8	82.3	85.5	87.4	89.9	93.1	94.6	95.4	95.9	96.
GE 200	74.2	75.8	79.8	82.3	85.5	87.5	90.1	93.3	95.1	95.8	96.3	96.
GE 100	74.2	75.8	79.8	82.3	85.5	87.5	90.1	93.3	95.1	95.8	96.5	96.
GE 000	74.2	75.8	79.8	82.3	85.5	87.5	90.1	93.3	95.1	95.8	96.5	96.

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: OCT HOURS: 09-11

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
1	30.4	30.5	31.0	31.1	31.2	31.2	31.2	31.2	31.2	31.2	31.3	31.5	31.7
	33.7	33.8	34.2	34.3	34.4	34.4	34.4	34.4	34.4	34.4	34.5	34.7	34.9
3	34.1	34.2	34.6	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.9	35.2	35.4
	34.4	34.5	34.9	35.1	35.2	35.2	35.2	35.2	35.2	35.2	35.3	35.5	35.7
3	34.5	34.6	35.1	35.2	35.3	35.3	35.3	35.3	35.3	35.3	35.4	35.6	35.8
3	36.1	36.2	36.7	36.8	36.9	36.9	36.9	36.9	36.9	36.9	37.0	37.2	37.4
3													
3	39.9	40.0	40.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.8	41.0	41.2
3	40.8	40.9	41.3	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.7	41.9	42.2
	41.9	42.0	42.5	42.7	43.0	43.0	43.0	43.0	43.0	43.0	43.1	43.3	43.5
4	43.0	43.1	43.5	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.2	44.4	44.6
4	44.3	44.4	44.8	45.1	45.4	45.4	45.4	45.4	45.4	45.4	45.5	45.7	45.9
4													
4	48.1	48.2	48.6	48.8	49.1	49.2	49.5	49.5	49.5	49.5	49.6	49.8	50.0
4	48.8	48.9	49.4	49.6	49.9	50.0	50.2	50.2	50.2	50.2	50.3	50.5	50.8
	51.5	51.6	52.2	52.4	52.7	52.8	53.1	53.1	53.1	53.1	53.2	53.4	53.7
4	52.7	52.8	53.3	53.8	54.1	54.2	54.5	54.5	54.5	54.5	54.6	54.8	55.1
5	57.6	57.8	58.4	58.8	59.1	59.2	59.6	59.6	59.6	59.6	59.7	59.9	60.1
5													
5	61.0	61.2	61.8	62.3	62.6	62.7	63.0	63.0	63.0	63.0	63.1	63.3	63.5
5	65.5	65.8	66.5	66.9	67.3	67.4	67.7	67.7	67.7	67.7	67.8	68.1	68.3
	67.6	68.0	68.6	69.0	69.5	69.6	69.9	69.9	69.9	69.9	70.0	70.2	70.4
6	71.5	71.9	72.7	73.1	73.5	73.8	74.1	74.1	74.1	74.1	74.2	74.4	74.6
6	74.6	75.2	76.1	76.7	77.1	77.3	77.6	77.6	77.6	77.6	77.7	78.0	78.2
6													
7	76.5	77.2	78.3	78.8	79.2	79.6	79.9	79.9	79.9	79.9	80.0	80.2	80.4
7	78.1	78.9	80.0	80.6	81.1	81.5	81.8	81.8	81.8	81.8	81.9	82.2	82.4
	79.3	79.7	81.0	81.7	82.5	82.9	83.2	83.2	83.2	83.2	83.3	83.5	83.8
7	79.5	80.3	81.9	82.8	84.0	84.4	84.7	84.7	84.7	84.7	84.8	85.1	85.3
8	80.1	82.2	83.8	84.9	86.6	87.0	87.3	87.3	87.3	87.3	87.4	87.6	87.8
8													
8	81.2	83.7	85.4	86.9	89.6	90.3	90.9	90.9	90.9	90.9	91.0	91.2	91.4
8	81.7	84.4	86.2	88.2	91.2	92.2	92.8	92.9	93.0	93.1	93.3	93.7	93.9
	82.3	85.5	87.4	89.9	93.1	94.6	95.4	95.9	96.1	96.5	96.8	97.1	97.6
9	82.3	85.5	87.5	90.1	93.3	95.1	95.8	96.3	96.8	97.2	97.7	98.6	99.4
9	82.3	85.5	87.5	90.1	93.3	95.1	95.8	96.5	96.9	97.3	97.8	98.7	99.9
9													
9	82.3	85.5	87.5	90.1	93.3	95.1	95.8	96.5	96.9	97.3	97.8	98.8	100.0

9 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD:
LST TO UTC: + 5 MONTH: OCT HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES											
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	31.3	31.3	31.4	31.4	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
GE 20000	38.2	38.2	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
GE 18000	38.4	38.4	38.6	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
GE 16000	38.7	38.7	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
GE 14000	39.0	39.0	39.5	39.5	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
GE 12000	40.2	40.2	40.6	40.6	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
GE 10000	41.9	41.9	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
GE 9000	42.3	42.5	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 8000	43.8	43.8	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
GE 7000	44.5	44.5	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 6000	45.4	45.4	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 5000	47.5	47.5	48.2	48.3	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 4500	48.3	48.3	49.5	49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 4000	51.6	51.6	52.3	52.4	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 3500	53.0	53.2	54.0	54.2	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 3000	58.5	58.7	59.5	59.7	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 2500	62.8	63.0	63.8	64.0	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 2000	68.9	69.1	69.9	70.3	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 1800	70.4	70.6	71.4	71.8	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0
GE 1500	75.2	75.4	77.1	77.5	78.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9
GE 1200	79.5	79.1	81.4	81.8	83.2	83.5	83.9	83.9	83.9	83.9	83.9	83.9
GE 1000	80.1	80.8	83.2	83.9	85.4	85.7	86.2	86.3	86.3	86.3	86.3	86.3
GE 900	81.1	81.8	84.5	85.3	86.9	87.3	87.8	88.0	88.0	88.0	88.0	88.0
GE 800	81.8	82.7	85.5	86.2	87.8	88.5	89.0	89.4	89.4	89.4	89.4	89.4
GE 700	82.2	83.1	86.0	86.9	88.5	89.1	89.7	90.0	90.1	90.1	90.1	90.1
GE 600	82.6	83.7	86.6	87.4	89.7	90.4	91.3	91.9	92.3	92.3	92.3	92.3
GE 500	82.9	83.9	87.1	88.2	90.6	91.5	92.6	93.2	94.3	94.5	94.6	94.6
GE 400	82.8	84.0	87.2	88.3	90.9	91.9	93.5	94.6	96.2	96.6	96.8	96.8
GE 300	82.8	84.0	87.2	88.3	90.9	91.9	93.5	94.7	96.9	97.3	97.8	98.1
GE 200	82.8	84.0	87.2	88.4	91.0	92.0	93.7	94.9	97.3	97.7	98.3	98.5
GE 100	82.8	84.0	87.2	88.4	91.0	92.0	93.7	94.9	97.3	97.7	98.3	98.5
GE 000	82.9	84.0	87.2	88.4	91.0	92.0	93.7	94.9	97.3	97.7	98.3	98.5

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: OCT HOURS: 12-14

CEILING	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5	31.5
	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	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
	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
	72.8	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
	74.6	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0
	83.2	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0	84.0	84.0
	85.4	85.7	86.2	86.3	86.3	86.3	86.3	86.3	86.5	86.6	86.6	86.6
	86.9	87.3	87.8	88.0	88.0	88.0	88.0	88.0	88.1	88.2	88.2	88.2
	87.8	88.5	89.0	89.4	89.4	89.4	89.4	89.4	89.5	89.6	89.6	89.6
	88.5	89.1	89.7	90.0	90.1	90.1	90.1	90.1	90.2	90.3	90.3	90.3
	89.7	90.4	91.3	91.9	92.3	92.3	92.3	92.3	92.4	92.5	92.5	92.5
	91.6	91.5	92.6	93.2	94.3	94.5	94.6	94.6	94.7	94.8	94.8	94.8
	93.9	91.9	93.5	94.6	96.2	96.6	96.8	96.8	96.9	97.0	97.0	97.0
	93.9	91.9	93.5	94.7	96.9	97.3	97.8	98.1	98.2	98.3	98.3	98.3
	91.0	92.0	93.7	94.9	97.3	97.7	98.3	98.5	99.0	99.4	99.8	99.9
	91.0	92.0	93.7	94.9	97.3	97.7	98.3	98.5	99.0	99.4	99.8	100.0
	91.0	92.0	93.7	94.9	97.3	97.7	98.3	98.5	99.0	99.4	99.8	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 — MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	33.1	33.1	33.1	33.2	33.3	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.
GE 20000	39.6	39.6	39.7	39.8	39.9	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.
GE 18000	39.9	39.9	40.0	40.1	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.
GE 16000	40.0	40.0	40.1	40.2	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.
GE 14000	41.1	41.1	41.4	41.5	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.
GE 12000	42.5	42.6	42.9	43.0	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.
GE 10000	45.1	45.3	45.7	45.8	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.
GE 9000	45.5	45.7	46.1	46.2	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.
GE 8000	46.8	47.0	47.5	47.6	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.
GE 7000	47.1	47.3	47.8	48.0	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.
GE 6000	47.6	48.0	48.6	48.7	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.
GE 5000	49.6	50.0	50.6	50.8	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.
GE 4500	51.1	51.5	52.2	52.3	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.
GE 4000	54.9	55.4	56.0	56.1	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.
GE 3500	57.2	57.6	58.4	58.6	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.
GE 3000	61.5	61.9	62.8	63.0	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.
GE 2500	68.2	68.8	69.9	70.3	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.
GE 2000	73.1	73.8	74.9	75.7	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.
GE 1800	74.7	75.7	77.1	78.0	78.4	78.4	78.6	78.8	78.8	78.8	78.8	78.8	78.
GE 1500	79.0	80.4	82.2	83.0	83.4	83.5	83.9	84.1	84.1	84.1	84.1	84.1	84.
GE 1200	80.6	82.5	84.7	85.7	86.3	86.5	86.8	87.2	87.2	87.2	87.2	87.2	87.
GE 1000	81.7	83.5	86.1	87.3	88.1	88.2	89.1	89.6	89.8	89.8	89.8	89.8	89.
GE 900	82.4	84.2	86.9	88.1	88.9	89.0	90.0	90.6	90.6	90.6	90.6	90.6	90.
GE 800	82.5	84.3	87.0	88.3	89.1	89.2	90.2	90.9	91.0	91.1	91.1	91.1	91.
GE 700	82.5	84.3	87.2	88.9	90.0	90.2	91.3	92.0	92.2	92.3	92.3	92.3	92.
GE 600	82.5	84.4	87.4	89.1	90.3	90.5	91.8	92.9	93.1	93.2	93.2	93.2	93.
GE 500	82.5	84.4	87.4	89.4	90.8	91.4	92.8	94.1	94.6	95.3	95.6	95.6	95.
GE 400	82.5	84.4	87.4	89.4	90.9	91.6	93.2	94.6	95.7	96.3	96.8	96.8	96.
GE 300	82.5	84.4	87.5	89.5	91.3	92.0	93.9	95.5	97.2	98.0	98.4	98.4	98.
GE 200	82.5	84.4	87.5	89.5	91.3	92.0	94.1	95.7	97.4	98.3	98.7	98.7	99.
GE 100	82.5	84.4	87.5	89.5	91.3	92.0	94.1	95.7	97.4	98.3	98.7	98.7	99.
GE 000	82.5	84.4	87.5	89.5	91.3	92.0	94.1	95.7	97.4	98.3	98.7	98.7	99.

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI
TC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: OCT HOURS: 15-17

CEILING	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	33.3	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
	39.9	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
	40.3	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
	47.8	47.8	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
	48.2	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
	48.9	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0	49.0
	51.0	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
	56.3	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
	78.4	78.4	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
	83.4	83.5	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
	86.3	86.5	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
	88.1	88.2	89.1	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
	88.9	89.0	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
	89.1	89.2	90.2	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1
	90.0	90.2	91.3	92.0	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
	90.3	90.5	91.8	92.9	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
	90.8	91.4	92.8	94.1	94.6	95.3	95.6	95.6	95.6	95.6	95.6	95.7
	90.9	91.6	93.2	94.6	95.7	96.3	96.8	96.8	96.8	96.8	96.8	96.9
	91.3	92.0	93.9	95.5	97.2	98.0	98.4	98.4	98.7	98.7	98.7	98.8
	91.3	92.0	94.1	95.7	97.4	98.3	98.7	98.7	99.4	99.6	99.7	100.0
	91.3	92.0	94.1	95.7	97.4	98.3	98.7	98.7	99.4	99.6	99.7	100.0
	91.3	92.0	94.1	95.7	97.4	98.3	98.7	98.7	99.4	99.6	99.7	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 76 - J
LST TO UTC: + 5 MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	36.8	36.8	37.3	37.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
GE 20000	41.3	41.3	42.4	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 18000	41.4	41.4	42.5	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
GE 16000	41.4	41.4	42.6	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
GE 14000	42.7	42.7	43.9	44.1	44.2	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.3
GE 12000	44.3	44.3	45.5	45.7	45.8	46.0	46.1	46.1	46.2	46.2	46.2	46.2	46.2
GE 10000	46.6	46.7	47.8	48.2	48.3	48.5	48.6	48.6	48.7	48.7	48.7	48.7	48.7
GE 9000	47.0	47.1	48.3	48.6	48.7	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1
GE 8000	49.6	49.7	51.2	51.5	51.6	51.8	51.9	51.9	52.0	52.0	52.0	52.0	52.0
GE 7000	50.8	50.9	52.4	52.7	52.8	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.2
GE 6000	51.6	51.7	53.2	53.5	53.7	53.9	54.0	54.0	54.1	54.1	54.1	54.1	54.1
GE 5000	53.9	54.0	55.5	55.8	55.9	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3
GE 4500	54.9	55.1	56.6	56.9	57.0	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.4
GE 4000	59.1	59.2	60.9	61.4	61.6	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0
GE 3500	61.9	62.0	63.7	64.2	64.5	64.7	64.8	64.8	64.9	64.9	64.9	64.9	64.9
GE 3000	65.6	65.8	67.4	68.2	68.5	68.7	68.8	68.8	69.0	69.0	69.0	69.0	69.0
GE 2500	71.4	71.6	73.2	74.0	74.3	74.5	74.6	74.6	74.8	74.8	74.8	74.8	74.8
GE 2000	73.9	74.2	75.9	76.7	77.6	77.8	78.2	78.2	78.4	78.4	78.4	78.4	78.4
GE 1800	74.9	75.3	77.0	77.7	78.9	79.1	79.5	79.6	79.8	79.8	79.8	79.8	79.8
GE 1500	77.5	77.8	79.9	80.9	82.4	82.6	83.0	83.1	83.3	83.3	83.3	83.3	83.3
GE 1200	78.6	79.0	81.2	82.4	84.1	84.3	84.8	85.1	85.3	85.3	85.3	85.3	85.3
GE 1000	79.9	80.3	82.6	83.8	85.8	86.0	86.7	86.9	87.1	87.1	87.1	87.1	87.1
GE 900	80.2	80.6	83.0	84.2	86.2	86.5	87.1	87.3	87.5	87.5	87.5	87.5	87.5
GE 800	80.4	80.9	83.3	84.5	86.8	87.0	87.6	87.8	88.1	88.1	88.1	88.1	88.1
GE 700	81.0	81.4	84.0	85.2	87.7	88.0	89.2	89.7	89.9	89.9	90.0	90.0	90.0
GE 600	81.2	81.6	84.5	85.8	88.6	88.8	90.5	91.1	91.3	91.4	91.5	91.5	91.5
GE 500	81.3	81.7	84.7	86.1	89.6	90.0	92.6	93.8	94.1	94.4	94.7	94.7	94.7
GE 400	81.4	81.8	85.1	86.5	90.0	90.6	93.9	95.3	95.6	96.2	96.8	96.9	96.9
GE 300	81.4	81.8	85.1	86.6	90.3	91.1	94.4	96.6	97.1	98.1	98.6	99.1	99.1
GE 200	81.4	81.8	85.1	86.6	90.3	91.1	94.4	96.6	97.2	98.2	98.9	99.6	99.7
GE 100	81.4	81.8	85.1	86.6	90.3	91.1	94.4	96.6	97.2	98.2	98.9	99.6	99.8
GE 000	81.4	81.8	85.1	86.6	90.3	91.1	94.4	96.6	97.2	98.2	98.9	99.6	99.8

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: OCT HOURS: 18-20

	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
.4	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
.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
.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
.1	44.2	44.2	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
.7	45.8	46.0	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
.2	48.3	48.5	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
.5	48.7	48.9	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
.5	51.6	51.8	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
.7	52.8	53.0	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
.5	53.7	53.9	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
.9	55.9	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
.9	57.0	57.2	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
.4	61.6	61.8	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
.2	64.5	64.7	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
.2	68.5	68.7	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
.0	74.3	74.5	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
.7	77.6	77.8	78.2	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
.7	79.9	79.1	79.5	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
.0	82.4	82.6	83.0	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
.4	84.1	84.3	84.8	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
.4	85.8	86.0	86.7	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
.2	86.2	86.5	87.1	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
.5	86.8	87.0	87.6	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
.7	87.7	88.0	89.2	89.7	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0
.9	88.6	88.8	90.5	91.1	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5
.1	89.6	90.0	92.6	93.8	94.1	94.4	94.7	94.7	94.7	94.7	94.7	94.7
.5	90.0	90.6	93.9	95.3	95.6	96.2	96.8	96.9	96.9	96.9	96.9	96.9
.5	90.3	91.1	94.4	96.6	97.1	98.1	98.6	99.1	99.1	99.1	99.1	99.1
.6	90.3	91.1	94.4	96.6	97.2	98.2	98.9	99.6	99.7	99.7	99.8	99.8
.6	90.3	91.1	94.4	96.6	97.2	98.2	98.9	99.6	99.8	99.8	100.0	100.0
.6	90.3	91.1	94.4	96.6	97.2	98.2	98.9	99.6	99.8	99.8	100.0	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBIL
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	36.5	36.8	37.0	37.0	37.4	37.4	37.6	37.8	38.0	38.2	38.2	38.2	38.4
GE 20000	40.5	40.9	41.2	41.2	41.7	41.7	41.9	42.2	42.3	42.5	42.5	42.5	42.7
GE 18000	40.5	40.9	41.2	41.2	41.7	41.7	41.9	42.2	42.3	42.5	42.5	42.5	42.7
GE 16000	40.5	40.9	41.2	41.2	41.7	41.7	41.9	42.2	42.3	42.5	42.5	42.5	42.7
GE 14000	41.8	42.2	42.5	42.5	43.0	43.0	43.2	43.4	43.5	43.8	43.8	43.8	44.0
GE 12000	42.6	42.9	43.4	43.4	44.0	44.3	44.5	44.7	44.8	45.1	45.1	45.1	45.3
GE 10000	44.8	45.2	45.9	45.9	46.5	46.8	47.0	47.2	47.3	47.5	47.5	47.5	47.7
GE 9000	45.4	45.7	46.5	46.5	47.0	47.3	47.5	47.7	47.8	48.1	48.1	48.1	48.3
GE 8000	47.5	47.8	48.7	48.7	49.2	49.6	49.8	50.0	50.1	50.3	50.3	50.3	50.5
GE 7000	48.9	49.2	50.1	50.1	50.6	51.0	51.2	51.4	51.5	51.7	51.7	51.7	51.9
GE 6000	51.1	51.4	52.3	52.3	52.8	53.1	53.3	53.5	53.7	53.9	53.9	53.9	54.1
GE 5000	52.9	53.2	54.1	54.1	54.8	55.2	55.4	55.6	55.7	55.9	55.9	55.9	56.1
GE 4500	54.8	55.2	56.1	56.1	56.9	57.2	57.4	57.6	57.7	58.0	58.0	58.0	58.2
GE 4000	58.6	58.9	59.9	60.0	60.9	61.2	61.4	61.6	61.7	61.9	61.9	61.9	62.2
GE 3500	61.4	61.7	62.8	62.9	64.0	64.4	64.6	64.8	64.9	65.2	65.2	65.2	65.4
GE 3000	64.5	64.8	65.9	66.0	67.2	67.6	67.8	68.2	68.3	68.5	68.5	68.5	68.7
GE 2500	68.8	69.2	70.4	70.8	72.0	72.5	72.7	73.0	73.1	73.3	73.3	73.3	73.5
GE 2000	71.9	72.4	73.9	74.2	75.5	76.1	76.5	76.8	76.9	77.1	77.1	77.1	77.3
GE 1800	73.0	73.4	75.1	75.4	76.8	77.4	77.8	78.2	78.3	78.5	78.5	78.5	78.7
GE 1500	74.3	74.8	76.5	77.0	78.4	79.0	79.6	79.9	80.0	80.2	80.2	80.2	80.4
GE 1200	75.8	76.3	78.2	78.8	80.2	80.9	81.4	81.7	81.8	82.2	82.2	82.2	82.4
GE 1000	78.0	78.6	80.6	81.5	83.7	84.5	85.1	85.5	85.6	86.1	86.1	86.1	86.3
GE 900	78.6	79.4	81.5	82.4	84.7	85.6	86.1	86.6	86.7	87.2	87.2	87.2	87.4
GE 800	78.9	79.7	81.8	82.7	85.7	86.6	87.3	87.7	87.8	88.6	88.6	88.6	88.8
GE 700	79.1	79.9	82.7	83.5	86.7	87.7	88.9	89.4	89.6	90.3	90.4	90.4	90.6
GE 600	79.7	80.4	83.3	84.2	87.4	88.6	90.0	90.4	90.6	91.4	91.5	91.5	91.7
GE 500	79.9	80.6	83.8	84.6	88.0	89.1	90.8	91.5	92.2	92.9	93.2	93.2	93.4
GE 400	80.0	80.8	83.9	84.7	88.4	89.7	91.6	92.7	93.5	94.3	94.7	94.7	95.1
GE 300	80.0	80.8	84.2	85.2	89.1	90.6	92.7	94.4	95.5	96.2	96.7	96.7	97.0
GE 200	80.0	80.8	84.3	85.3	89.4	90.9	93.3	95.4	96.9	97.6	98.1	98.4	98.6
GE 100	80.0	80.8	84.3	85.3	89.4	90.9	93.3	95.4	96.9	97.6	98.2	98.5	98.9
GE 000	80.0	80.8	84.3	85.3	89.4	90.9	93.3	95.4	96.9	97.6	98.2	98.5	98.9

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
TIME ZONE: UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: OCT HOURS: 21-23

VISIBILITY IN STATUTE MILES

CEILING	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	37.0	37.4	37.4	37.6	37.8	38.0	38.2	38.2	38.2	38.4	38.5	38.5	38.5
	41.2	41.7	41.7	41.9	42.2	42.3	42.5	42.5	42.5	42.7	42.8	42.8	42.8
	41.2	41.7	41.7	41.9	42.2	42.3	42.5	42.5	42.5	42.7	42.8	42.8	42.8
	41.2	41.7	41.7	41.9	42.2	42.3	42.5	42.5	42.5	42.7	42.8	42.8	42.8
	42.5	43.0	43.0	43.2	43.4	43.5	43.8	43.8	43.8	44.0	44.1	44.1	44.1
	43.4	44.0	44.3	44.5	44.7	44.8	45.1	45.1	45.1	45.3	45.4	45.4	45.4
	45.9	46.5	46.8	47.0	47.2	47.3	47.5	47.5	47.5	47.7	47.8	47.8	47.8
	46.5	47.0	47.3	47.5	47.7	47.8	48.1	48.1	48.1	48.3	48.4	48.4	48.4
	48.7	49.2	49.6	49.8	50.0	50.1	50.3	50.3	50.3	50.5	50.6	50.6	50.6
	50.1	50.6	51.0	51.2	51.4	51.5	51.7	51.7	51.7	51.9	52.0	52.0	52.0
	52.3	52.8	53.1	53.3	53.5	53.7	53.9	53.9	53.9	54.1	54.2	54.2	54.2
	54.1	54.8	55.2	55.4	55.6	55.7	55.9	55.9	55.9	56.1	56.2	56.2	56.2
	56.1	56.9	57.2	57.4	57.6	57.7	58.0	58.0	58.0	58.2	58.3	58.3	58.3
	60.0	60.9	61.2	61.4	61.6	61.7	61.9	61.9	61.9	62.2	62.3	62.3	62.3
	62.9	64.0	64.4	64.6	64.8	64.9	65.2	65.2	65.2	65.4	65.5	65.5	65.5
	66.0	67.2	67.6	67.8	68.2	68.3	68.5	68.5	68.5	68.7	68.8	68.8	68.8
	70.3	72.0	72.5	72.7	73.0	73.1	73.3	73.3	73.3	73.5	73.7	73.7	73.7
	74.2	75.5	76.1	76.5	76.8	76.9	77.1	77.1	77.1	77.3	77.4	77.4	77.4
	75.4	76.8	77.4	77.8	78.2	78.3	78.5	78.5	78.5	78.7	78.8	78.8	78.8
	77.0	78.4	79.0	79.6	79.9	80.0	80.2	80.2	80.2	80.4	80.5	80.5	80.5
	79.3	80.2	80.9	81.4	81.7	81.8	82.2	82.2	82.2	82.4	82.5	82.5	82.5
	81.5	83.7	84.5	85.1	85.5	85.6	86.1	86.1	86.1	86.3	86.5	86.5	86.5
	82.4	84.7	85.6	86.1	86.6	86.7	87.2	87.2	87.2	87.4	87.5	87.5	87.5
	82.7	85.7	86.6	87.3	87.7	87.8	88.6	88.6	88.6	88.8	88.9	88.9	88.9
	83.5	86.7	87.7	88.9	89.4	89.6	90.3	90.4	90.4	90.6	90.8	90.8	90.8
	84.2	87.4	88.6	90.0	90.4	90.6	91.4	91.5	91.5	91.7	91.8	91.8	91.8
	84.6	88.0	89.1	90.8	91.5	92.2	92.9	93.2	93.2	93.4	93.5	93.5	93.5
	84.7	88.4	89.7	91.6	92.7	93.5	94.3	94.7	94.7	95.1	95.2	95.7	95.7
	85.2	89.1	90.6	92.7	94.4	95.5	96.2	96.7	96.7	97.0	97.1	97.6	97.6
	85.3	89.4	90.9	93.3	95.4	96.9	97.6	98.1	98.4	98.8	98.9	99.5	99.7
	85.3	89.4	90.9	93.3	95.4	96.9	97.6	98.2	98.5	98.9	99.0	99.6	100.0
	85.3	89.4	90.9	93.3	95.4	96.9	97.6	98.2	98.5	98.9	99.0	99.6	100.0

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OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBIL
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	32.1	32.2	32.7	33.0	33.5	33.6	33.8	34.0	34.1	34.3	34.3	34.3	34.4
GE 20000	36.1	36.3	36.8	37.1	37.7	37.8	38.0	38.2	38.3	38.4	38.5	38.5	38.6
GE 18000	36.3	36.4	37.0	37.3	37.9	38.0	38.2	38.4	38.5	38.6	38.7	38.7	38.8
GE 16000	36.4	36.5	37.1	37.4	38.0	38.1	38.3	38.5	38.6	38.8	38.8	38.8	39.0
GE 14000	37.2	37.4	38.0	38.3	38.9	39.0	39.2	39.4	39.6	39.7	39.7	39.8	39.9
GE 12000	38.6	38.7	39.4	39.7	40.3	40.5	40.7	40.9	41.0	41.2	41.2	41.3	41.4
GE 10000	40.9	41.1	41.8	42.2	42.8	43.0	43.2	43.4	43.5	43.7	43.7	43.8	43.9
GE 9000	41.5	41.7	42.4	42.8	43.3	43.5	43.8	44.0	44.1	44.2	44.3	44.3	44.4
GE 8000	43.1	43.4	44.2	44.6	45.1	45.3	45.6	45.9	46.0	46.1	46.2	46.2	46.3
GE 7000	44.1	44.4	45.2	45.6	46.2	46.4	46.7	46.9	47.0	47.2	47.2	47.2	47.4
GE 6000	45.2	45.4	46.3	46.7	47.3	47.5	47.8	48.1	48.2	48.3	48.3	48.4	48.5
GE 5000	47.7	47.9	48.8	49.2	49.9	50.1	50.4	50.7	50.8	51.0	51.1	51.1	51.2
GE 4500	49.4	49.7	50.6	51.0	51.7	51.9	52.3	52.6	52.7	52.9	52.9	53.0	53.1
GE 4000	53.2	53.5	54.5	55.0	55.8	56.0	56.3	56.6	56.8	57.0	57.0	57.1	57.2
GE 3500	55.5	55.8	56.8	57.4	58.2	58.5	58.8	59.2	59.3	59.5	59.5	59.6	59.7
GE 3000	59.5	59.8	60.9	61.5	62.4	62.6	63.0	63.3	63.5	63.7	63.8	63.8	63.9
GE 2500	63.5	63.9	65.0	65.7	66.7	67.0	67.4	67.7	67.9	68.1	68.1	68.2	68.3
GE 2000	67.7	68.1	69.4	70.2	71.3	71.7	72.1	72.5	72.7	72.8	72.9	72.9	73.1
GE 1800	69.1	69.5	70.9	71.7	72.9	73.3	73.8	74.2	74.4	74.5	74.6	74.6	74.7
GE 1500	72.0	72.6	74.3	75.2	76.6	77.0	77.6	78.0	78.2	78.3	78.4	78.4	78.6
GE 1200	73.8	74.5	76.6	77.7	79.2	79.7	80.3	80.8	81.0	81.2	81.3	81.3	81.4
GE 1000	75.2	76.0	78.3	79.6	81.4	81.9	82.7	83.3	83.5	83.7	83.8	83.8	84.0
GE 900	75.9	76.7	79.2	80.7	82.6	83.2	84.0	84.6	84.8	85.0	85.1	85.2	85.3
GE 800	76.6	77.4	80.1	81.6	83.8	84.4	85.3	85.9	86.2	86.6	86.7	86.7	86.9
GE 700	77.0	77.8	80.8	82.4	84.8	85.6	86.7	87.4	87.8	88.1	88.3	88.3	88.5
GE 600	77.4	78.3	81.3	83.0	85.8	86.6	88.0	89.0	89.3	89.7	89.9	89.9	90.1
GE 500	77.6	78.5	81.7	83.5	86.8	87.9	89.6	90.9	91.6	92.2	92.4	92.5	92.6
GE 400	77.7	78.7	81.9	83.8	87.3	88.5	90.6	92.2	93.3	94.0	94.3	94.4	94.6
GE 300	77.8	78.8	82.1	84.1	87.9	89.2	91.5	93.5	95.0	95.8	96.3	96.4	96.8
GE 200	77.8	78.8	82.2	84.2	88.0	89.3	91.9	94.0	95.7	96.6	97.2	97.4	98.1
GE 100	77.8	78.8	82.2	84.2	88.0	89.3	91.9	94.0	95.7	96.7	97.2	97.5	98.3
GE 000	77.8	78.8	82.2	84.2	88.0	89.3	91.9	94.0	95.7	96.7	97.2	97.5	98.3

TOTAL NUMBER OF OBSERVATIONS 7440

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: OCT HOURS: ALL

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES											
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
3.0	33.5	33.6	33.8	34.0	34.1	34.3	34.3	34.3	34.4	34.5	34.6	34.8	
7.1	37.7	37.8	38.0	38.2	38.3	38.4	38.5	38.5	38.6	38.7	38.8	39.0	
7.3	37.9	38.0	38.2	38.4	38.5	38.6	38.7	38.7	38.8	38.9	39.0	39.2	
7.4	38.0	38.1	38.3	38.5	38.6	38.8	38.8	38.8	39.0	39.0	39.1	39.3	
.3	38.9	39.0	39.2	39.4	39.6	39.7	39.7	39.8	39.9	39.9	40.1	40.2	
.7	40.3	40.5	40.7	40.9	41.0	41.2	41.2	41.3	41.4	41.4	41.5	41.7	
.2	42.8	43.0	43.2	43.4	43.5	43.7	43.7	43.8	43.9	43.9	44.1	44.2	
.3	43.3	43.5	43.8	44.0	44.1	44.2	44.3	44.3	44.4	44.5	44.6	44.8	
.6	45.1	45.3	45.6	45.9	46.0	46.1	46.2	46.2	46.3	46.4	46.5	46.7	
.5	46.2	46.4	46.7	46.9	47.0	47.2	47.2	47.2	47.4	47.4	47.6	47.7	
.7	47.3	47.5	47.8	48.1	48.2	48.3	48.3	48.4	48.5	48.5	48.7	48.8	
.2	49.9	50.1	50.4	50.7	50.8	51.0	51.1	51.1	51.2	51.3	51.4	51.5	
.3	51.7	51.9	52.3	52.6	52.7	52.9	52.9	53.0	53.1	53.1	53.3	53.4	
.0	55.8	56.0	56.3	56.6	56.8	57.0	57.0	57.1	57.2	57.2	57.4	57.5	
.4	53.2	58.5	58.8	59.2	59.3	59.5	59.5	59.6	59.7	59.7	59.9	60.0	
.5	62.4	62.6	63.0	63.3	63.5	63.7	63.8	63.8	63.9	64.0	64.1	64.2	
.7	66.7	67.0	67.4	67.7	67.9	68.1	68.1	68.2	68.3	68.3	68.5	68.6	
.2	71.3	71.7	72.1	72.5	72.7	72.8	72.9	72.9	73.1	73.1	73.3	73.4	
.7	72.9	73.3	73.8	74.2	74.4	74.5	74.6	74.6	74.7	74.8	74.9	75.1	
.2	76.6	77.0	77.6	78.0	78.2	78.3	78.4	78.4	78.6	78.6	78.8	78.9	
.7	79.2	79.7	80.3	80.8	81.0	81.2	81.3	81.3	81.4	81.5	81.6	81.8	
.5	81.4	81.9	82.7	83.3	83.5	83.7	83.8	83.8	84.0	84.0	84.2	84.3	
.7	82.6	83.2	84.0	84.6	84.8	85.0	85.1	85.2	85.3	85.4	85.5	85.7	
.6	83.8	84.4	85.3	85.9	86.2	86.6	86.7	86.7	86.9	87.0	87.1	87.3	
.4	84.8	85.6	86.7	87.4	87.8	88.1	88.3	88.3	88.5	88.6	88.7	88.9	
.0	85.8	86.6	88.0	89.0	89.3	89.7	89.9	89.9	90.1	90.2	90.3	90.5	
.5	86.8	87.9	89.6	90.9	91.6	92.2	92.4	92.5	92.6	92.7	92.8	93.0	
.8	87.3	88.5	90.6	92.2	93.3	94.0	94.3	94.4	94.6	94.7	95.0	95.1	
.1	87.9	89.2	91.5	93.5	95.0	95.8	96.3	96.4	96.8	96.9	97.2	97.5	
.2	88.0	89.3	91.9	94.0	95.7	96.6	97.2	97.4	98.1	98.4	98.9	99.4	
.2	88.0	89.3	91.9	94.0	95.7	96.7	97.2	97.5	98.3	93.5	99.1	99.9	
.2	88.0	89.3	91.9	94.0	95.7	96.7	97.2	97.5	98.3	98.5	99.2	100.0	

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIB
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: NOV HOURS: 00-0

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	G 1/
NO CEIL	26.7	26.8	27.6	27.9	28.4	28.4	28.4	28.8	28.8	28.9	29.0	29.0	29
GE 20000	30.2	30.3	31.1	31.4	32.0	32.0	32.0	32.3	32.3	32.4	32.6	32.6	32
GE 18000	30.4	30.6	31.3	31.7	32.2	32.2	32.2	32.6	32.6	32.7	32.8	32.8	32
GE 16000	30.6	30.7	31.4	31.8	32.3	32.3	32.3	32.7	32.7	32.8	32.9	32.9	32
GE 14000	30.7	30.8	31.6	31.9	32.4	32.4	32.4	32.8	32.8	32.9	33.0	33.0	33
GE 12000	31.8	31.9	32.7	33.0	33.6	33.6	33.6	33.9	33.9	34.0	34.1	34.1	34
GE 10000	33.8	33.9	34.7	35.0	35.6	35.6	35.6	35.9	35.9	36.0	36.1	36.1	36
GE 9000	34.1	34.2	35.0	35.3	35.9	35.9	35.9	36.2	36.2	36.3	36.4	36.4	36
GE 8000	35.7	35.8	36.6	37.1	37.8	37.8	37.8	38.1	38.1	38.2	38.3	38.3	38
GE 7000	36.9	37.0	37.8	38.3	39.0	39.0	39.0	39.3	39.3	39.4	39.6	39.6	39
GE 6000	36.9	37.0	37.8	38.3	39.0	39.0	39.0	39.3	39.3	39.4	39.6	39.6	39
GE 5000	37.9	38.0	38.8	39.3	40.0	40.3	40.3	40.7	40.7	40.8	40.9	40.9	40
GE 4500	40.0	40.1	41.0	41.6	42.2	42.6	42.6	42.9	42.9	43.0	43.1	43.1	43
GE 4000	42.0	42.1	43.0	43.6	44.2	44.6	44.6	44.9	44.9	45.0	45.1	45.1	45
GE 3500	43.1	43.2	44.2	44.9	45.7	46.0	46.0	46.3	46.3	46.4	46.6	46.6	46
GE 3000	46.7	46.9	48.1	49.0	50.1	50.4	50.6	50.9	50.9	51.0	51.1	51.1	51
GE 2500	52.8	53.1	54.6	55.6	56.9	57.4	57.6	57.9	57.9	58.0	58.1	58.1	58
GE 2000	60.6	61.0	62.7	63.9	65.4	66.1	66.3	66.9	66.9	67.0	67.1	67.1	67
GE 1800	63.8	64.3	66.0	67.2	68.8	69.4	69.7	70.2	70.2	70.3	70.4	70.4	70
GE 1500	67.0	67.8	69.7	71.0	72.7	73.3	74.0	74.7	74.7	74.9	75.0	75.0	75
GE 1200	69.1	69.9	72.0	73.6	75.4	76.1	76.9	77.6	77.6	77.9	78.0	78.0	78
GE 1000	70.6	71.3	73.4	75.0	77.2	78.0	79.2	80.2	80.8	81.1	81.2	81.2	81
GE 900	72.0	72.8	75.0	76.9	79.6	80.4	81.8	82.9	83.4	84.0	84.1	84.1	84
GE 800	72.8	73.6	75.9	77.8	80.8	81.8	83.1	84.8	85.3	86.0	86.2	86.2	86
GE 700	73.0	73.9	76.2	78.2	81.3	82.4	84.0	85.7	86.2	87.0	87.3	87.3	87
GE 600	73.0	73.9	76.6	78.6	82.1	83.2	85.2	87.1	87.7	88.4	88.9	88.9	89
GE 500	73.7	74.6	77.9	80.3	84.1	85.7	88.1	90.7	91.3	92.4	93.1	93.1	93
GE 400	73.7	74.6	77.9	80.3	84.2	85.8	88.4	91.0	91.7	93.1	93.8	93.8	94
GE 300	73.8	74.7	78.0	80.4	84.5	86.1	89.2	92.0	93.0	94.8	95.4	95.4	95
GE 200	73.8	74.7	78.0	80.4	84.9	86.4	89.6	92.4	94.1	96.0	97.0	97.0	97
GE 100	73.8	74.7	78.0	80.4	84.9	86.4	89.6	92.4	94.2	96.6	97.6	97.6	98
GE 000	73.8	74.7	78.0	80.4	84.9	86.4	89.6	92.4	94.2	96.6	97.6	97.6	98

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TC: + 5 MONTH: NOV HOURS: 00-02

VISIBILITY IN STATUTE MILES											
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
28.4	28.4	28.4	28.8	28.8	28.9	29.0	29.0	29.0	29.2	29.2	29.4
32.0	32.0	32.0	32.3	32.3	32.4	32.6	32.6	32.6	32.8	32.8	33.0
32.2	32.2	32.2	32.6	32.6	32.7	32.8	32.8	32.8	33.0	33.0	33.2
32.3	32.3	32.3	32.7	32.7	32.8	32.9	32.9	32.9	33.1	33.1	33.3
32.4	32.4	32.4	32.8	32.8	32.9	33.0	33.0	33.0	33.2	33.2	33.4
33.6	33.6	33.6	33.9	33.9	34.0	34.1	34.1	34.1	34.3	34.3	34.6
35.6	35.6	35.6	35.9	35.9	36.0	36.1	36.1	36.1	36.3	36.3	36.6
35.9	35.9	35.9	36.2	36.2	36.3	36.4	36.4	36.4	36.7	36.7	36.9
37.8	37.8	37.8	38.1	38.1	38.2	38.3	38.3	38.3	38.6	38.6	38.8
39.0	39.0	39.0	39.3	39.3	39.4	39.6	39.6	39.6	39.8	39.8	40.0
39.0	39.0	39.0	39.3	39.3	39.4	39.6	39.6	39.6	39.8	39.8	40.0
40.0	40.3	40.3	40.7	40.7	40.8	40.9	40.9	40.9	41.1	41.1	41.3
42.2	42.6	42.6	42.9	42.9	43.0	43.1	43.1	43.1	43.3	43.3	43.6
44.2	44.6	44.6	44.9	44.9	45.0	45.1	45.1	45.1	45.3	45.3	45.6
45.7	46.0	46.0	46.3	46.3	46.4	46.6	46.6	46.6	46.8	46.8	47.0
50.1	50.4	50.6	50.9	50.9	51.0	51.1	51.1	51.1	51.3	51.3	51.6
56.9	57.4	57.6	57.9	57.9	58.0	58.1	58.1	58.1	58.3	58.3	58.6
65.4	66.1	66.3	66.9	66.9	67.0	67.1	67.1	67.1	67.3	67.3	67.6
68.8	69.4	69.7	70.2	70.2	70.3	70.4	70.4	70.4	70.7	70.7	70.9
72.7	73.3	74.0	74.7	74.7	74.9	75.0	75.0	75.0	75.2	75.2	75.4
75.4	76.1	76.9	77.6	77.6	77.9	78.0	78.0	78.0	78.2	78.2	78.4
77.2	78.0	79.2	80.2	80.8	81.1	81.2	81.2	81.2	81.4	81.4	81.7
79.6	80.4	81.8	82.9	83.4	84.0	84.1	84.1	84.1	84.3	84.3	84.6
80.8	81.8	83.1	84.8	85.3	86.0	86.2	86.2	86.2	86.4	86.4	86.7
91.3	92.4	84.0	85.7	86.2	87.0	87.3	87.3	87.4	87.7	87.7	87.9
82.1	83.2	85.2	87.1	87.7	88.4	88.9	88.9	89.0	89.2	89.2	89.4
84.1	85.7	88.1	90.7	91.3	92.4	93.1	93.1	93.2	93.4	93.4	93.7
84.2	85.6	88.4	91.0	91.7	93.1	93.8	93.8	94.0	94.2	94.2	94.4
84.5	86.1	89.2	92.0	93.0	94.8	95.4	95.4	95.7	95.9	96.0	96.2
84.9	86.4	89.6	92.4	94.1	96.0	97.0	97.0	97.7	98.1	98.6	98.8
84.9	86.4	89.6	92.4	94.2	96.6	97.6	97.6	98.2	98.7	99.3	100.0
84.9	86.4	89.6	92.4	94.2	96.6	97.6	97.6	98.2	98.7	99.3	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG
LST TO UTC: + 5 — MONTH: NOV — HOURS: 03-

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	26.1	26.3	27.0	27.4	28.1	28.1	28.1	28.1	28.1	28.1	28.2	28.2	2
GE 20000	28.2	28.4	29.2	29.8	30.4	30.4	30.4	30.6	30.6	30.6	30.7	30.7	3
GE 18000	28.3	28.6	29.3	29.9	30.6	30.6	30.6	30.7	30.7	30.7	30.8	30.8	3
GE 16000	28.3	28.6	29.3	29.9	30.6	30.6	30.6	30.7	30.7	30.7	30.8	30.8	3
GE 14000	29.1	29.3	30.1	30.7	31.3	31.3	31.3	31.4	31.4	31.4	31.6	31.6	3
GE 12000	29.7	29.9	30.7	31.2	31.9	31.9	31.9	32.0	32.0	32.0	32.1	32.1	3
GE 10000	32.2	32.4	33.2	33.8	34.7	34.7	34.7	34.8	34.8	34.8	34.9	34.9	3
GE 9000	33.0	33.2	34.0	34.6	35.4	35.4	35.4	35.6	35.6	35.6	35.7	35.7	3
GE 8000	34.0	34.3	35.2	35.8	36.8	36.8	36.8	36.9	36.9	36.9	37.0	37.0	3
GE 7000	34.6	34.9	35.8	36.3	37.3	37.3	37.3	37.4	37.4	37.4	37.6	37.6	3
GE 6000	34.7	35.0	35.9	36.4	37.4	37.4	37.4	37.6	37.6	37.6	37.7	37.7	3
GE 5000	36.7	37.0	37.9	38.4	39.4	39.4	39.4	39.7	39.7	39.7	39.8	39.8	3
GE 4500	37.8	38.1	39.0	39.6	40.6	40.6	40.6	40.8	40.8	40.8	40.9	40.9	4
GE 4000	40.4	40.8	41.7	42.2	43.3	43.3	43.3	43.6	43.6	43.6	43.7	43.7	4
GE 3500	42.1	42.4	43.3	43.9	45.0	45.0	45.0	45.2	45.2	45.2	45.3	45.3	4
GE 3000	46.4	46.9	47.8	48.7	49.9	49.9	49.9	50.1	50.1	50.1	50.2	50.2	5
GE 2500	54.4	55.0	56.0	56.9	58.3	58.3	58.4	59.0	59.1	59.1	59.2	59.2	5
GE 2000	59.7	60.2	61.3	62.3	63.9	64.0	64.1	64.8	64.9	64.9	65.0	65.0	6
GE 1800	62.8	63.3	64.7	65.8	67.7	67.8	67.9	68.7	68.9	68.9	69.0	69.0	6
GE 1500	67.7	68.2	69.6	70.7	72.6	73.0	73.3	74.2	74.6	74.6	74.7	74.7	7
GE 1200	70.8	71.3	72.7	73.9	75.8	76.3	76.8	78.0	78.3	78.3	78.4	78.4	7
GE 1000	72.1	72.8	74.2	75.6	77.9	78.6	79.4	81.0	81.3	81.3	81.7	81.7	8
GE 900	73.6	74.2	76.0	77.3	79.8	80.4	81.3	83.3	83.8	83.8	84.1	84.1	8
GE 800	73.9	74.6	76.3	77.8	80.3	81.0	82.0	84.2	84.8	84.8	85.1	85.1	8
GE 700	74.3	75.0	76.8	78.4	81.0	81.9	83.3	85.8	86.3	86.3	86.7	86.7	8
GE 600	74.8	75.8	77.6	79.4	82.2	83.4	85.0	87.9	88.4	88.6	89.0	89.0	8
GE 500	75.1	76.1	77.9	80.2	83.3	84.6	86.3	89.4	90.3	90.8	91.2	91.2	9
GE 400	75.3	76.3	78.1	80.6	83.7	84.9	86.8	90.2	91.2	91.8	92.2	92.2	9
GE 300	75.3	76.3	78.1	80.6	83.7	84.9	86.8	91.0	92.0	92.7	93.6	93.6	9
GE 200	75.3	76.3	78.1	80.7	84.1	85.4	87.3	92.0	93.8	95.0	96.4	96.6	9
GE 100	75.3	76.3	78.1	80.7	84.1	85.4	87.3	92.0	94.0	95.3	96.9	97.0	9
GE 000	75.3	76.3	78.1	80.7	84.1	85.4	87.3	92.0	94.0	95.3	96.9	97.0	9

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

N NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 — MONTH: NOV HOURS: 03-05

CE 4	VISIBILITY IN STATUTE MILES GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
27.4	28.1	28.1	28.1	28.1	28.1	28.1	28.2	28.2	28.2	28.2	28.2	28.3
29.8	30.4	30.4	30.4	30.6	30.6	30.6	30.7	30.7	30.7	30.7	30.7	30.8
29.9	30.6	30.6	30.6	30.7	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.9
29.9	30.6	30.6	30.6	30.7	30.7	30.7	30.8	30.8	30.8	30.8	30.8	30.9
30.7	31.3	31.3	31.3	31.4	31.4	31.4	31.6	31.6	31.6	31.6	31.6	31.7
31.2	31.9	31.9	31.9	32.0	32.0	32.0	32.1	32.1	32.1	32.1	32.1	32.2
33.3	34.7	34.7	34.7	34.8	34.8	34.8	34.9	34.9	34.9	34.9	34.9	35.0
34.5	35.4	35.4	35.4	35.6	35.6	35.6	35.7	35.7	35.7	35.7	35.7	35.8
35.3	36.8	36.8	36.8	36.9	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.1
36.3	37.3	37.3	37.3	37.4	37.4	37.4	37.6	37.6	37.6	37.6	37.6	37.7
36.4	37.4	37.4	37.4	37.6	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.8
38.4	39.4	39.4	39.4	39.7	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.9
40.5	40.6	40.6	40.6	40.8	40.8	40.8	40.9	40.9	40.9	40.9	40.9	41.0
42.2	43.3	43.3	43.3	43.6	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.8
43.9	45.0	45.0	45.0	45.2	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.4
48.7	49.9	49.9	49.9	50.1	50.1	50.1	50.2	50.2	50.2	50.2	50.2	50.3
58.2	58.3	58.3	58.4	59.0	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.3
62.3	63.9	64.0	64.1	64.8	64.9	64.9	65.0	65.0	65.0	65.0	65.0	65.1
66.8	67.7	67.8	67.9	68.7	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.1
72.7	72.6	73.0	73.3	74.2	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.8
73.9	75.8	76.3	76.8	78.0	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.6
75.5	77.9	78.6	79.4	81.0	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.8
77.3	79.8	80.4	81.3	83.3	83.8	83.8	84.1	84.1	84.1	84.1	84.1	84.2
77.8	80.3	81.0	82.0	84.2	84.8	84.8	85.1	85.1	85.2	85.2	85.2	85.3
78.4	81.0	81.9	83.3	85.8	86.3	86.3	86.7	86.7	86.8	86.8	86.8	86.9
79.4	82.2	83.4	85.0	87.9	88.4	88.6	89.0	89.0	89.2	89.2	89.2	89.3
82.2	83.3	84.6	86.3	89.4	90.3	90.8	91.2	91.2	91.4	91.4	91.6	91.7
83.6	83.7	84.9	86.8	90.2	91.2	91.8	92.2	92.2	92.4	92.4	92.7	92.8
83.6	83.7	84.9	86.8	91.0	92.0	92.7	93.6	93.6	93.8	93.8	94.2	94.3
83.7	84.1	85.4	87.3	92.0	93.8	95.0	96.4	96.6	96.9	97.2	97.8	97.9
83.7	84.1	85.4	87.3	92.0	94.0	95.3	96.9	97.0	97.3	97.9	99.1	100.0
83.7	84.1	85.4	87.3	92.0	94.0	95.3	96.9	97.0	97.3	97.9	99.1	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIB
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 — MONTH: NOV — HOURS: 06-0

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	G 1/
NO CEIL	25.3	25.9	26.0	26.2	26.9	26.9	27.3	27.4	27.6	27.6	27.6	27.7	27
GE 20000	27.4	28.0	28.2	28.4	29.3	29.4	29.9	30.0	30.2	30.3	30.3	30.4	30
GE 18000	27.4	28.0	28.2	28.4	29.3	29.4	29.9	30.0	30.2	30.3	30.3	30.4	30
GE 16000	27.4	28.0	28.2	28.4	29.3	29.4	29.9	30.0	30.2	30.3	30.3	30.4	30
GE 14000	28.1	28.7	28.9	29.1	30.0	30.1	30.6	30.7	30.9	31.0	31.0	31.1	31
GE 12000	28.3	28.9	29.1	29.3	30.2	30.3	30.8	30.9	31.1	31.2	31.2	31.3	31
GE 10000	29.9	30.4	30.7	30.9	32.0	32.1	32.7	32.8	33.0	33.1	33.1	33.2	33
GE 9000	30.4	31.0	31.2	31.4	32.7	32.8	33.3	33.4	33.7	33.8	33.8	33.9	33
GE 8000	31.7	32.2	32.4	32.9	34.2	34.4	35.0	35.2	35.4	35.6	35.6	35.7	35
GE 7000	32.1	32.7	32.9	33.3	34.7	34.9	35.4	35.7	35.9	36.0	36.0	36.1	36
GE 6000	33.0	33.7	33.9	34.3	35.8	36.0	36.6	36.8	37.0	37.1	37.1	37.2	37
GE 5000	34.3	35.0	35.2	35.8	37.3	37.6	38.1	38.3	38.6	38.7	38.7	38.8	38
GE 4500	35.1	35.8	36.0	36.8	38.4	38.7	39.2	39.4	39.7	39.8	39.8	39.9	39
GE 4000	38.2	38.9	39.1	39.9	41.7	41.9	42.4	42.7	43.0	43.1	43.1	43.2	43
GE 3500	40.1	40.8	41.0	41.8	43.6	43.8	44.3	44.6	44.9	45.0	45.0	45.1	45
GE 3000	42.4	43.1	43.3	44.1	45.9	46.1	46.8	47.0	47.3	47.4	47.4	47.6	47
GE 2500	48.1	48.8	49.0	49.8	52.0	52.3	53.0	53.2	53.8	53.9	53.9	54.0	54
GE 2000	56.1	57.0	57.4	58.3	60.8	61.1	62.0	62.2	62.8	62.9	62.9	63.0	63
GE 1800	59.4	60.3	60.8	61.7	64.2	64.6	65.6	65.9	66.4	66.6	66.6	66.7	66
GE 1500	63.2	64.1	65.2	66.2	69.1	69.6	71.1	71.8	72.4	72.6	72.6	72.7	72
GE 1200	65.8	66.7	67.8	69.0	72.0	72.8	74.1	74.9	75.6	75.8	75.8	75.9	75
GE 1000	67.9	68.8	70.2	71.8	75.0	75.8	77.7	78.4	79.3	79.6	79.6	79.7	79
GE 900	69.0	69.9	71.4	73.0	76.3	77.1	79.0	79.8	80.8	81.1	81.2	81.3	81
GE 800	69.2	70.1	71.8	73.3	76.9	77.8	79.9	80.8	81.9	82.7	82.8	83.0	83
GE 700	69.7	70.6	72.2	73.8	77.4	78.4	80.7	81.8	82.9	83.9	84.0	84.2	84
GE 600	70.0	71.0	72.7	74.6	78.4	79.4	81.9	83.8	84.9	86.1	86.2	86.4	86
GE 500	70.0	71.0	73.0	75.2	79.3	80.9	83.8	86.3	87.4	89.0	89.4	89.7	89
GE 400	70.1	71.2	73.2	75.6	80.1	81.7	84.9	88.3	90.0	91.7	92.3	92.6	92
GE 300	70.1	71.2	73.2	75.7	80.4	82.0	85.6	89.6	91.9	93.8	94.6	94.9	95
GE 200	70.1	71.2	73.2	75.8	80.6	82.4	86.0	90.2	92.7	94.7	95.9	96.3	96
GE 100	70.1	71.2	73.2	75.8	80.6	82.4	86.0	90.2	92.7	94.8	96.1	96.6	97
GE 000	70.1	71.2	73.2	75.8	80.6	82.4	86.0	90.2	92.7	94.8	96.1	96.6	97

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TIME ZONE: UTC: + 5 — MONTH: NOV HOURS: 06-08

CEILING GE	VISIBILITY IN STATUTE MILES: GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	26.2	26.9	26.9	27.3	27.4	27.6	27.6	27.6	27.7	27.7	27.7	27.8	27.8
	29.4	29.3	29.4	29.9	30.0	30.2	30.3	30.3	30.4	30.4	30.4	30.6	30.6
	29.4	29.3	29.4	29.9	30.0	30.2	30.3	30.3	30.4	30.4	30.4	30.6	30.6
	29.4	29.3	29.4	29.9	30.0	30.2	30.3	30.3	30.4	30.4	30.4	30.6	30.6
	29.1	30.0	30.1	30.6	30.7	30.9	31.0	31.0	31.1	31.1	31.1	31.2	31.2
	29.3	30.2	30.3	30.8	30.9	31.1	31.2	31.2	31.3	31.3	31.3	31.4	31.4
	30.9	32.0	32.1	32.7	32.8	33.0	33.1	33.1	33.2	33.2	33.2	33.3	33.3
	31.4	32.7	32.8	33.3	33.4	33.7	33.8	33.8	33.9	33.9	33.9	34.0	34.0
	32.9	34.2	34.4	35.0	35.2	35.4	35.6	35.6	35.7	35.7	35.7	35.8	35.8
	33.3	34.7	34.9	35.4	35.7	35.9	36.0	36.0	36.1	36.1	36.1	36.2	36.2
	34.3	35.8	36.0	36.6	36.8	37.0	37.1	37.1	37.2	37.2	37.2	37.3	37.3
	35.8	37.3	37.6	38.1	38.3	38.6	38.7	38.7	38.8	38.8	38.8	38.9	38.9
	36.3	38.4	38.7	39.2	39.4	39.7	39.8	39.8	39.9	39.9	39.9	40.0	40.0
	39.9	41.7	41.9	42.4	42.7	43.0	43.1	43.1	43.2	43.2	43.2	43.3	43.3
	41.8	43.6	43.8	44.3	44.6	44.9	45.0	45.0	45.1	45.1	45.1	45.2	45.2
	44.1	45.9	46.1	46.8	47.0	47.3	47.4	47.4	47.6	47.6	47.6	47.7	47.7
	49.8	52.0	52.3	53.0	53.2	53.8	53.9	53.9	54.0	54.0	54.0	54.1	54.1
	58.3	60.8	61.1	62.0	62.2	62.8	62.9	62.9	63.0	63.0	63.0	63.1	63.1
	61.7	64.2	64.6	65.6	65.9	66.4	66.6	66.6	66.7	66.7	66.7	66.8	66.8
	66.2	69.1	69.8	71.1	71.8	72.4	72.6	72.6	72.7	72.7	72.7	72.8	72.8
	69.0	72.0	72.8	74.1	74.9	75.6	75.8	75.8	75.9	75.9	75.9	76.0	76.0
	71.3	75.0	75.8	77.7	78.4	79.3	79.6	79.6	79.7	79.7	79.7	79.8	79.8
	73.0	76.3	77.1	79.0	79.8	80.8	81.1	81.2	81.3	81.3	81.3	81.4	81.4
	73.3	76.9	77.8	79.9	80.8	81.9	82.7	82.8	83.0	83.0	83.0	83.1	83.1
	73.8	77.4	78.4	80.7	81.8	82.9	83.9	84.0	84.2	84.2	84.2	84.3	84.3
	74.6	78.4	79.4	81.9	83.8	84.9	86.1	86.2	86.4	86.6	86.6	86.7	86.7
	75.2	79.3	80.9	83.8	86.3	87.4	89.0	89.4	89.7	89.8	89.8	90.2	90.2
	75.5	80.1	81.7	84.9	88.3	90.0	91.7	92.3	92.6	92.7	92.7	93.2	93.2
	75.7	80.4	82.0	85.6	89.6	91.9	93.8	94.6	94.9	95.2	95.2	95.9	96.1
	75.8	80.6	82.4	86.0	90.2	92.7	94.7	95.9	96.3	96.8	96.9	97.9	98.1
	75.8	80.6	82.4	86.0	90.2	92.7	94.8	96.1	96.6	97.1	97.7	99.0	100.0
	75.8	80.6	82.4	86.0	90.2	92.7	94.8	96.1	96.6	97.1	97.7	99.0	100.0

900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: NOV HOURS: 09-

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	22.0	22.6	22.8	22.9	23.7	23.7	23.9	23.9	24.0	24.1	24.1	24.1	2
GE 20000	26.7	27.3	27.7	27.9	28.7	28.7	28.9	29.1	29.2	29.3	29.3	29.3	2
GE 18000	26.7	27.6	27.9	28.1	28.9	28.9	29.1	29.3	29.4	29.6	29.6	29.6	2
GE 16000	26.9	27.8	28.1	28.3	29.1	29.1	29.4	29.7	29.8	29.9	29.9	29.9	2
GE 14000	27.3	28.2	28.7	29.0	29.9	29.9	30.2	30.4	30.6	30.7	30.7	30.7	3
GE 12000	28.0	28.9	29.3	29.8	30.7	30.7	31.0	31.2	31.3	31.4	31.4	31.4	3
GE 10000	29.8	30.8	31.2	31.9	33.0	33.0	33.4	33.7	33.8	33.9	33.9	33.9	3
GE 9000	29.9	30.9	31.3	32.0	33.1	33.1	33.6	33.8	33.9	34.0	34.0	34.0	3
GE 8000	31.4	32.4	32.9	33.7	35.1	35.1	36.1	36.3	36.4	36.6	36.6	36.6	3
GE 7000	32.7	33.7	34.1	34.9	36.4	36.6	37.7	37.9	38.0	38.1	38.1	38.1	3
GE 6000	33.2	34.4	34.9	35.7	37.2	37.3	38.6	38.8	38.9	39.0	39.0	39.0	3
GE 5000	34.3	36.0	36.6	37.4	39.1	39.2	40.6	40.8	40.9	41.0	41.0	41.0	4
GE 4500	35.4	36.7	37.4	38.3	40.0	40.1	41.4	41.7	41.8	41.9	41.9	41.9	4
GE 4000	36.9	38.1	38.9	39.8	41.6	41.7	43.0	43.2	43.3	43.4	43.4	43.4	4
GE 3500	37.7	38.9	39.9	40.8	42.6	42.7	44.0	44.2	44.3	44.4	44.4	44.4	4
GE 3000	40.3	42.0	43.0	43.9	45.7	45.8	47.1	47.3	47.4	47.6	47.6	47.6	4
GE 2500	45.7	47.0	48.2	49.2	51.3	51.4	52.8	53.2	53.4	53.6	53.6	53.6	5
GE 2000	54.6	55.9	57.4	58.7	61.1	61.2	63.1	63.6	63.8	64.0	64.0	64.0	6
GE 1800	57.4	58.8	60.4	61.9	64.6	64.7	66.6	67.1	67.3	67.6	67.6	67.6	6
GE 1500	60.6	62.1	64.3	66.0	68.3	68.9	71.0	71.6	72.3	72.6	72.7	72.7	7
GE 1200	63.0	64.8	67.1	68.8	71.7	71.9	74.1	74.7	75.4	75.7	75.8	75.8	7
GE 1000	64.4	66.4	69.3	71.3	74.3	74.6	77.0	77.7	78.6	78.8	79.1	79.1	7
GE 900	64.7	66.8	69.8	71.9	75.0	75.4	77.9	78.6	79.6	79.8	80.1	80.1	8
GE 800	65.0	67.1	70.2	72.4	75.8	76.3	78.9	79.9	81.2	81.7	82.1	82.1	8
GE 700	65.0	67.1	70.6	73.1	77.2	78.0	80.6	82.0	83.4	84.1	85.0	85.0	8
GE 600	65.6	67.8	71.3	73.9	78.1	78.9	81.9	83.7	85.3	86.1	87.3	87.4	9
GE 500	65.6	67.8	71.4	74.2	78.8	79.6	82.7	85.0	86.9	87.7	89.2	89.3	9
GE 400	65.9	68.1	71.9	74.8	79.3	80.2	83.4	86.6	88.9	89.8	91.7	91.9	9
GE 300	65.9	68.1	71.9	74.8	79.3	80.2	83.7	88.0	90.8	92.0	94.2	94.4	9
GE 200	65.9	68.1	71.9	74.8	79.3	80.2	83.7	88.0	90.8	92.0	94.2	94.9	9
GE 100	65.9	68.1	71.9	74.8	79.3	80.2	83.7	88.0	90.8	92.0	94.2	94.9	9
GE 000	65.9	68.1	71.9	74.8	79.3	80.2	83.7	88.0	90.8	92.0	94.2	94.9	9

TOTAL NUMBER OF OBSERVATIONS 900

0 - 2 - 94

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 MONTH: NOV HOURS: 09-11

VISIBILITY IN STATUTE MILES											
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
23.7	23.7	23.9	23.9	24.0	24.1	24.1	24.1	24.1	24.2	24.4	24.6
28.7	28.7	28.9	29.1	29.2	29.3	29.3	29.3	29.3	29.4	29.7	29.9
28.9	28.9	29.1	29.3	29.4	29.6	29.6	29.6	29.6	29.7	29.9	30.1
29.1	29.1	29.4	29.7	29.8	29.9	29.9	29.9	29.9	30.0	30.2	30.4
29.9	29.9	30.2	30.4	30.6	30.7	30.7	30.7	30.7	30.8	31.0	31.2
30.7	30.7	31.0	31.2	31.3	31.4	31.4	31.4	31.4	31.6	31.8	32.0
33.0	33.0	33.4	33.7	33.8	33.9	33.9	33.9	33.9	34.0	34.2	34.4
33.1	33.1	33.6	33.8	33.9	34.0	34.0	34.0	34.0	34.1	34.3	34.6
35.1	35.1	36.1	36.3	36.4	36.6	36.6	36.6	36.6	36.7	36.9	37.1
36.4	36.6	37.7	37.9	38.0	38.1	38.1	38.1	38.1	38.2	38.4	38.7
37.2	37.3	38.6	38.8	38.9	39.0	39.0	39.0	39.0	39.1	39.3	39.6
39.1	39.2	40.6	40.8	40.9	41.0	41.0	41.0	41.0	41.1	41.3	41.6
40.0	40.1	41.4	41.7	41.8	41.9	41.9	41.9	41.9	42.0	42.2	42.4
41.6	41.7	43.0	43.2	43.3	43.4	43.4	43.4	43.4	43.6	43.8	44.0
42.6	42.7	44.0	44.2	44.3	44.4	44.4	44.4	44.4	44.6	44.8	45.0
45.7	45.8	47.1	47.3	47.4	47.6	47.6	47.6	47.6	47.7	47.9	48.1
51.3	51.4	52.8	53.2	53.4	53.6	53.6	53.6	53.6	53.7	53.9	54.1
61.1	61.2	63.1	63.6	63.8	64.0	64.0	64.0	64.0	64.1	64.3	64.6
64.6	64.7	66.6	67.1	67.3	67.6	67.6	67.6	67.7	67.8	68.0	68.2
68.8	68.9	71.0	71.6	72.3	72.6	72.7	72.7	72.8	72.9	73.1	73.3
71.7	71.9	74.1	74.7	75.4	75.7	75.8	75.8	75.9	76.0	76.2	76.4
74.3	74.6	77.0	77.7	78.6	78.8	79.1	79.1	79.2	79.3	79.6	79.8
75.0	75.4	77.9	78.6	79.6	79.8	80.1	80.1	80.2	80.3	80.6	80.8
75.8	76.3	78.9	79.9	81.2	81.7	82.1	82.1	82.3	82.4	82.7	82.9
77.2	78.0	80.6	82.0	83.4	84.1	85.0	85.0	85.3	85.4	85.7	85.9
78.1	78.9	81.9	83.7	85.3	86.1	87.3	87.4	87.8	87.9	88.1	88.3
78.3	79.6	82.7	85.0	86.9	87.7	89.2	89.3	89.7	90.0	90.3	90.6
79.3	80.2	83.4	86.6	88.9	89.8	91.7	91.9	92.3	92.7	93.0	93.2
79.3	80.2	83.7	88.0	90.8	92.0	94.2	94.4	95.0	95.6	95.9	96.4
79.3	80.2	83.7	88.0	90.8	92.0	94.2	94.9	95.7	96.7	97.4	98.2
79.3	80.2	83.7	88.0	90.8	92.0	94.2	94.9	95.8	97.2	98.8	100.0
79.3	80.2	83.7	88.0	90.8	92.0	94.2	94.9	95.8	97.2	98.8	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBIL
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 — MONTH: NOV — HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	25.0	25.3	25.6	25.6	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
GE 20000	29.5	30.3	30.3	31.1	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
GE 18000	29.9	30.7	31.1	31.4	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
GE 16000	29.9	30.8	31.3	31.7	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
GE 14000	30.8	31.7	32.2	32.6	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
GE 12000	32.0	32.9	33.4	33.8	34.6	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7
GE 10000	35.4	36.4	37.0	37.4	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 9000	35.9	36.9	37.4	37.9	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
GE 8000	37.5	38.6	39.2	39.7	40.4	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7
GE 7000	38.9	39.9	40.6	41.0	42.1	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3
GE 6000	39.4	40.4	41.2	41.7	42.8	42.9	43.0	43.1	43.1	43.1	43.1	43.1	43.1
GE 5000	41.3	42.6	43.3	43.9	45.2	45.3	45.4	45.6	45.6	45.6	45.6	45.6	45.6
GE 4500	42.0	43.2	44.1	44.6	46.0	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3
GE 4000	43.0	44.2	45.3	45.8	47.2	47.3	47.6	47.7	47.7	47.7	47.7	47.7	47.7
GE 3500	43.9	45.1	46.2	46.7	48.2	48.3	48.6	48.7	48.7	48.7	48.7	48.7	48.7
GE 3000	46.2	47.4	48.7	49.1	50.7	50.8	51.0	51.1	51.2	51.2	51.2	51.2	51.2
GE 2500	52.2	53.4	54.8	55.2	56.9	57.0	57.3	57.4	57.7	57.7	57.7	57.7	57.7
GE 2000	59.8	61.1	62.8	63.3	65.4	65.7	66.3	66.4	66.8	66.8	66.9	66.9	66.9
GE 1800	61.9	63.2	65.1	65.8	68.3	68.6	69.2	69.3	69.7	69.7	69.8	69.8	69.8
GE 1500	64.3	66.0	68.3	69.0	71.8	72.1	73.0	73.2	74.1	74.2	74.4	74.4	74.4
GE 1200	66.6	68.6	70.9	71.7	74.8	75.2	76.3	76.9	77.9	78.0	78.2	78.2	78.2
GE 1000	67.4	69.4	72.3	73.1	76.4	76.9	78.2	78.9	80.0	80.3	80.8	80.8	80.9
GE 900	67.9	70.0	73.0	74.1	77.6	78.1	79.4	80.1	81.2	81.7	82.1	82.1	82.2
GE 800	68.3	70.6	73.6	74.8	78.9	79.6	81.6	82.3	83.4	83.9	84.4	84.6	84.7
GE 700	68.7	70.9	74.1	75.6	80.0	81.2	83.6	84.4	85.6	86.0	86.7	86.8	86.9
GE 600	68.7	71.3	74.9	76.3	81.1	82.7	85.4	86.4	87.9	88.3	89.2	89.4	89.6
GE 500	69.1	71.8	75.4	76.9	81.8	83.6	86.7	88.1	89.7	90.6	91.8	92.0	92.1
GE 400	69.1	71.8	75.6	77.0	82.0	84.0	87.2	89.1	90.9	92.0	93.4	93.7	94.0
GE 300	69.2	72.0	75.9	77.3	82.3	84.3	87.7	90.0	92.3	94.0	95.7	96.1	96.4
GE 200	69.2	72.0	75.9	77.3	82.3	84.3	87.7	90.2	92.6	94.2	96.1	97.0	97.4
GE 100	69.2	72.0	75.9	77.3	82.3	84.3	87.7	90.2	92.6	94.2	96.1	97.0	97.6
GE 000	69.2	72.0	75.9	77.3	82.3	84.3	87.7	90.2	92.6	94.2	96.1	97.0	97.6

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 MONTH: NOV HOURS: 12-14

VISIBILITY IN STATUTE MILES												
GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
25.6	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.9	25.9	25.9
31.1	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.1	32.1	32.1
31.4	32.2	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.4	32.4	32.4
31.7	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.7	32.7	32.7
32.5	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.6	33.6	33.6
33.8	34.6	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.7	34.8	34.8	34.8
37.4	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.4	38.4	38.4
37.9	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.9	38.9	38.9
39.7	40.4	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.8	40.8	40.8
41.0	42.1	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.4	42.4	42.4
41.7	42.8	42.9	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.2	43.2	43.2
43.8	45.2	45.3	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.7	45.7	45.7
44.5	46.0	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.4	46.4	46.4
45.8	47.2	47.3	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.8	47.8	47.8
46.7	48.2	48.3	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.8	48.8	48.8
49.1	50.7	50.8	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.3	51.3	51.3
55.2	56.9	57.0	57.3	57.4	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8
63.3	65.4	65.7	66.3	66.4	66.8	66.8	66.9	66.9	66.9	67.0	67.0	67.0
65.8	68.3	68.6	69.2	69.3	69.7	69.7	69.8	69.8	69.8	69.9	69.9	69.9
69.0	71.8	72.1	73.0	73.2	74.1	74.2	74.4	74.4	74.4	74.6	74.6	74.6
71.7	74.8	75.2	76.3	76.9	77.9	78.0	78.2	78.2	78.2	78.3	78.3	78.3
73.1	76.4	76.9	78.2	78.9	80.0	80.3	80.8	80.8	80.9	81.0	81.0	81.0
74.1	77.6	78.1	79.4	80.1	81.2	81.7	82.1	82.1	82.2	82.3	82.3	82.3
74.8	78.9	79.6	81.6	82.3	83.4	83.9	84.4	84.6	84.7	84.8	84.8	84.8
75.6	80.0	81.2	83.6	84.4	85.6	86.0	86.7	86.8	86.9	87.0	87.0	87.0
76.3	81.1	82.7	85.4	86.4	87.9	88.3	89.2	89.4	89.6	89.7	89.7	89.7
76.9	81.8	83.6	86.7	88.1	89.7	90.6	91.8	92.0	92.1	92.2	92.2	92.2
77.0	82.0	84.0	87.2	89.1	90.9	92.0	93.4	93.7	94.0	94.1	94.2	94.2
77.3	82.3	84.3	87.7	90.0	92.3	94.0	95.7	96.1	96.4	96.6	97.0	97.1
77.3	82.3	84.3	87.7	90.2	92.6	94.2	96.1	97.0	97.4	98.0	98.8	99.0
77.3	82.3	84.3	87.7	90.2	92.6	94.2	96.1	97.0	97.6	98.4	99.4	100.0
77.3	82.3	84.3	87.7	90.2	92.6	94.2	96.1	97.0	97.6	98.4	99.4	100.0

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OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 — MONTH: NOV HOURS: 15-1

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	26.7	26.9	26.9	27.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.
GE 20000	31.7	32.0	32.4	32.6	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.
GE 18000	32.2	32.6	33.0	33.1	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.
GE 16000	32.2	32.6	33.0	33.1	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.
GE 14000	33.1	33.4	33.9	34.0	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.
GE 12000	34.1	34.4	34.9	35.0	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.
GE 10000	37.7	38.0	38.6	38.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.
GE 9000	38.4	38.9	39.4	39.6	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.
GE 8000	40.3	40.8	41.4	41.6	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.
GE 7000	41.2	41.7	42.3	42.4	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.
GE 6000	42.2	42.7	43.3	43.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.
GE 5000	45.1	45.6	46.2	46.3	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.
GE 4500	45.8	46.2	46.9	47.0	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.
GE 4000	47.8	48.2	48.9	49.0	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.
GE 3500	49.2	49.7	50.3	50.4	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.
GE 3000	51.6	52.1	52.8	52.9	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.
GE 2500	57.2	57.9	58.9	59.1	59.9	59.9	60.2	60.3	60.6	60.7	60.7	60.7	60.
GE 2000	63.0	63.8	65.9	66.2	67.3	67.3	67.8	68.6	69.0	69.2	69.4	69.4	69.
GE 1800	65.6	66.3	68.6	69.0	70.1	70.1	70.6	71.3	71.8	72.0	72.2	72.2	72.
GE 1500	67.9	68.8	71.9	72.4	73.6	73.6	74.2	75.6	76.2	76.4	76.7	76.7	76.
GE 1200	70.1	71.0	74.1	74.8	76.1	76.2	77.0	78.4	79.2	79.4	79.7	79.7	79.
GE 1000	71.3	72.8	75.9	76.6	77.9	78.0	79.0	80.7	81.4	81.9	82.0	82.0	82.
GE 900	72.1	73.3	76.4	77.3	78.7	78.8	79.9	81.6	82.3	82.8	83.0	83.0	83.
GE 800	72.4	73.8	77.1	78.1	79.7	80.0	81.2	83.0	84.0	84.6	84.9	84.9	85.
GE 700	73.0	74.3	77.9	79.8	81.7	82.1	83.4	85.4	86.8	87.6	88.1	88.1	88.
GE 600	73.2	74.7	78.2	80.1	82.2	82.7	84.1	86.1	87.6	88.4	89.2	89.2	89.
GE 500	73.4	74.9	78.6	80.7	82.9	83.4	85.0	87.6	89.1	90.4	91.4	91.4	91.
GE 400	73.6	75.0	79.1	81.3	83.8	84.6	86.7	90.0	92.3	94.0	95.3	95.4	95.
GE 300	73.7	75.1	79.3	81.6	84.1	84.9	87.3	90.7	93.7	95.6	97.0	97.1	97.
GE 200	73.7	75.1	79.4	81.7	84.2	85.0	87.6	91.0	94.1	96.1	97.9	98.1	98.
GE 100	73.7	75.1	79.4	81.7	84.2	85.0	87.6	91.0	94.1	96.1	97.9	98.1	98.
GE 000	73.7	75.1	79.4	81.7	84.2	85.0	87.6	91.0	94.1	96.1	97.9	98.1	98.

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: NOV HOURS: 15-17

CEILING	VISIBILITY IN STATUTE MILES											
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
7.0	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
2.5	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
3.1	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
3.1	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
4.0	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
5.0	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2
7.7	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
9.5	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
1.6	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
2.4	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
3.4	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
6.3	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
7.0	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
9.0	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
1.4	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
2.9	53.4	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
5.1	59.9	59.9	60.2	60.3	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
6.2	67.3	67.3	67.8	68.6	69.0	69.2	69.4	69.4	69.4	69.4	69.4	69.4	69.4
7.0	70.1	70.1	70.6	71.3	71.8	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2
7.4	73.6	73.6	74.2	75.6	76.2	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7
8.9	76.1	76.2	77.0	78.4	79.2	79.4	79.7	79.7	79.7	79.7	79.7	79.7	79.7
6.9	77.9	78.0	79.0	80.7	81.4	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0
7.3	78.7	78.8	79.9	81.6	82.3	82.8	83.0	83.0	83.0	83.0	83.0	83.0	83.0
.1	79.7	80.0	81.2	83.0	84.0	84.6	84.9	84.9	85.1	85.1	85.1	85.1	85.1
.8	81.7	82.1	83.4	85.4	86.8	87.6	88.1	88.1	88.3	88.3	88.3	88.3	88.3
.1	82.2	82.7	84.1	86.1	87.6	88.4	89.2	89.2	89.4	89.4	89.4	89.4	89.4
.7	82.9	83.4	85.0	87.6	89.1	90.4	91.4	91.4	91.9	91.9	91.9	91.9	91.9
.3	83.8	84.6	86.7	90.0	92.3	94.0	95.3	95.4	95.9	95.9	95.9	95.9	95.9
.6	84.1	84.9	87.3	90.7	93.7	95.6	97.0	97.1	97.8	97.8	97.9	97.9	97.9
.7	84.2	85.0	87.6	91.0	94.1	96.1	97.9	98.1	98.8	99.0	99.1	99.1	99.1
.7	84.2	85.0	87.6	91.0	94.1	96.1	97.9	98.1	98.8	99.0	99.3	100.0	100.0
.7	84.2	85.0	87.6	91.0	94.1	96.1	97.9	98.1	98.8	99.0	99.3	100.0	

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	29.6	29.8	30.0	30.2	30.6	30.6	31.0	31.0	31.0	31.0	31.0	31.0	31.
GE 20000	33.8	34.2	34.4	35.0	35.3	35.3	35.8	35.8	35.9	35.9	35.9	35.9	35.
GE 18000	34.1	34.6	34.8	35.3	35.7	35.7	36.1	36.1	36.2	36.2	36.2	36.2	36.
GE 16000	34.1	34.6	34.8	35.3	35.7	35.7	36.1	36.1	36.2	36.2	36.2	36.2	36.
GE 14000	35.0	35.4	35.7	36.2	36.6	36.6	37.0	37.0	37.1	37.1	37.1	37.1	37.
GE 12000	36.0	36.4	36.7	37.2	37.6	37.6	38.0	38.0	38.1	38.1	38.1	38.1	38.
GE 10000	38.0	38.4	38.7	39.2	39.7	39.7	40.1	40.1	40.2	40.2	40.2	40.2	40.
GE 9000	38.3	38.8	39.0	39.6	40.0	40.0	40.4	40.4	40.6	40.6	40.6	40.6	40.
GE 8000	40.7	41.2	41.6	42.2	42.8	42.8	43.2	43.3	43.4	43.4	43.4	43.4	43.
GE 7000	41.9	42.4	42.6	43.4	44.0	44.0	44.4	44.6	44.7	44.7	44.7	44.7	44.
GE 6000	42.9	43.4	43.8	44.6	45.1	45.1	45.6	45.7	45.8	45.8	45.8	45.8	45.
GE 5000	44.3	44.9	45.2	46.0	46.6	46.6	47.0	47.1	47.2	47.2	47.2	47.2	47.
GE 4500	45.4	46.0	46.3	47.1	47.7	47.7	48.1	48.2	48.3	48.3	48.3	48.3	48.
GE 4000	47.3	47.9	48.3	49.3	49.9	49.9	50.3	50.4	50.6	50.6	50.6	50.6	50.
GE 3500	48.6	49.1	49.6	50.6	51.1	51.1	51.6	51.7	51.8	51.8	51.8	51.8	51.
GE 3000	52.2	52.8	53.2	54.4	55.2	55.2	55.8	55.9	56.0	56.0	56.0	56.0	56.
GE 2500	57.1	57.7	58.1	59.5	60.6	60.6	61.1	61.3	61.4	61.4	61.4	61.4	61.
GE 2000	62.6	63.2	64.0	65.7	66.9	67.0	67.9	68.2	68.3	68.3	68.3	68.3	68.
GE 1800	64.9	65.6	66.6	68.2	69.4	69.6	70.6	71.0	71.1	71.1	71.1	71.1	71.
GE 1500	68.0	68.7	69.7	71.3	72.9	73.1	74.3	74.9	75.0	75.1	75.1	75.1	75.
GE 1200	70.4	71.3	72.9	74.9	77.0	77.2	78.8	79.6	79.7	79.8	79.8	79.8	79.
GE 1000	72.1	73.1	74.9	77.2	79.3	79.6	81.6	82.4	82.7	82.8	82.8	82.8	82.
GE 900	72.8	74.0	76.0	78.3	80.7	80.9	82.9	83.9	84.1	84.3	84.3	84.3	84.
GE 800	73.2	74.6	76.8	79.3	82.2	82.4	84.4	85.7	85.9	86.2	86.2	86.2	86.
GE 700	73.4	74.8	77.0	79.9	83.1	83.3	85.4	86.8	87.1	87.8	87.8	87.8	87.
GE 600	73.6	74.9	77.2	80.1	83.7	83.9	86.6	88.2	88.7	89.7	89.7	89.7	89.
GE 500	73.7	75.1	77.9	81.2	85.0	85.3	88.2	90.4	91.0	92.0	92.2	92.2	92.
GE 400	73.8	75.2	78.1	81.7	85.4	85.8	88.8	91.1	92.2	93.6	93.8	93.8	93.
GE 300	73.8	75.2	78.1	81.7	85.6	85.9	89.4	92.3	94.3	96.4	97.1	97.2	97.
GE 200	73.8	75.2	78.1	81.7	85.6	85.9	89.6	92.4	95.0	97.9	98.8	99.0	99.
GE 100	73.8	75.2	78.1	81.7	85.6	85.9	89.6	92.4	95.0	97.9	98.8	99.0	99.
GE 000	73.8	75.2	78.1	81.7	85.6	85.9	89.6	92.4	95.0	97.9	98.8	99.0	99.

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
EST TO UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: NOV HOURS: 18-20

CEILING	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	30.2	30.6	30.6	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
	35.0	35.3	35.3	35.3	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
	35.3	35.7	35.7	36.1	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
	35.3	35.7	35.7	36.1	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
	36.2	36.6	36.6	37.0	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
	37.2	37.6	37.6	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
	39.2	39.7	39.7	40.1	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
	39.6	40.0	40.0	40.4	40.4	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
	42.2	42.8	42.8	43.2	43.3	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
	43.4	44.0	44.0	44.4	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
	44.6	45.1	45.1	45.6	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
	46.0	46.6	46.6	47.0	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
	47.1	47.7	47.7	48.1	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
	49.3	49.9	49.9	50.3	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
	50.6	51.1	51.1	51.6	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
	54.4	55.2	55.2	55.8	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
	59.5	60.6	60.6	61.1	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
	65.7	66.9	67.0	67.9	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
	68.2	69.4	69.6	70.6	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
	71.3	72.9	73.1	74.3	74.9	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1
	74.9	77.0	77.2	78.8	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
	77.2	79.3	79.6	81.6	82.4	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
	78.3	80.7	80.9	82.9	83.9	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3
	79.3	82.2	82.4	84.4	85.7	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2
	79.9	83.1	83.3	85.4	86.8	87.1	87.8	87.8	87.8	87.9	87.9	87.9	87.9
	80.1	83.7	83.9	86.6	88.2	88.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8
	81.2	85.0	85.3	88.2	90.4	91.0	92.0	92.2	92.2	92.3	92.3	92.3	92.3
	81.7	85.4	85.8	88.8	91.1	92.2	93.6	93.8	93.8	93.9	93.9	93.9	93.9
	81.7	85.6	85.9	89.4	92.3	94.3	96.4	97.1	97.2	97.4	97.4	97.4	97.4
	81.7	85.6	85.9	89.6	92.4	95.0	97.9	98.8	99.0	99.3	99.3	99.3	99.3
	81.7	85.6	85.9	89.6	92.4	95.0	97.9	98.8	99.0	99.4	99.4	99.8	100.0
	81.7	85.6	85.9	89.6	92.4	95.0	97.9	98.8	99.0	99.4	99.4	99.8	100.0

900

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG
LST TO UTC: + 5 — MONTH: NOV — HOURS: 21-

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	29.1	29.2	29.8	30.2	30.9	30.9	31.2	31.3	31.3	31.6	31.6	31.6	3
GE 20000	33.2	33.3	34.0	34.6	35.2	35.2	35.6	35.9	35.9	36.1	36.1	36.1	3
GE 18000	33.6	33.7	34.3	34.9	35.6	35.6	35.9	36.2	36.2	36.4	36.4	36.4	3
GE 16000	33.6	33.7	34.3	34.9	35.6	35.6	35.9	36.2	36.2	36.4	36.4	36.4	3
GE 14000	33.8	33.9	34.6	35.1	35.8	35.8	36.1	36.4	36.4	36.7	36.7	36.7	3
GE 12000	34.8	34.9	35.6	36.1	36.8	36.8	37.1	37.4	37.4	37.7	37.7	37.7	3
GE 10000	36.0	36.1	36.8	37.3	38.2	38.2	38.7	39.0	39.0	39.2	39.2	39.2	3
GE 9000	36.2	36.3	37.0	37.6	38.4	38.4	38.9	39.2	39.2	39.4	39.4	39.4	3
GE 8000	37.8	37.9	38.9	39.4	40.3	40.3	40.8	41.1	41.1	41.3	41.3	41.3	4
GE 7000	38.4	38.6	39.6	40.1	41.0	41.0	41.4	41.8	41.8	42.0	42.0	42.0	4
GE 6000	38.9	39.0	40.0	40.6	41.4	41.4	41.9	42.2	42.2	42.4	42.4	42.4	4
GE 5000	40.7	40.9	41.9	42.4	43.3	43.3	43.8	44.1	44.1	44.3	44.3	44.3	4
GE 4500	42.0	42.2	43.3	43.9	44.9	44.9	45.3	45.7	45.7	45.9	45.9	45.9	4
GE 4000	44.6	44.9	46.0	46.6	47.7	47.7	48.1	48.4	48.4	48.7	48.7	48.7	4
GE 3500	46.2	46.6	47.7	48.2	49.3	49.3	49.8	50.1	50.1	50.3	50.3	50.3	5
GE 3000	50.2	50.7	51.8	52.6	53.7	53.7	54.2	54.6	54.6	54.8	54.8	54.8	5
GE 2500	54.7	55.1	56.6	57.3	58.8	58.8	59.4	59.8	59.8	60.0	60.0	60.0	6
GE 2000	62.1	62.9	64.6	65.6	67.4	67.4	68.1	68.4	68.4	68.7	68.7	68.7	6
GE 1800	64.7	65.6	67.2	68.2	70.1	70.1	71.0	71.3	71.4	71.7	71.7	71.7	7
GE 1500	69.2	70.1	72.0	73.0	75.0	75.2	76.1	76.6	76.8	77.0	77.0	77.0	7
GE 1200	70.8	71.7	73.6	74.9	76.9	77.1	78.2	78.7	78.9	79.1	79.1	79.1	7
GE 1000	73.3	74.2	76.4	77.9	80.0	80.2	81.7	82.3	82.7	83.0	83.0	83.0	8
GE 900	73.4	74.3	76.7	78.1	80.6	80.8	82.3	83.2	83.7	84.1	84.1	84.1	8
GE 800	74.2	75.3	77.7	79.1	81.8	82.0	84.1	85.4	85.9	86.4	86.4	86.4	8
GE 700	74.8	75.9	78.3	79.8	83.4	83.7	86.4	87.9	88.3	89.0	89.0	89.0	8
GE 600	75.0	76.2	78.8	80.8	84.6	85.0	88.2	89.7	90.1	90.8	90.8	90.8	9
GE 500	75.1	76.3	78.9	81.3	85.3	85.8	89.4	90.9	91.4	92.4	92.6	92.6	9
GE 400	75.2	76.4	79.2	82.1	86.3	86.8	90.8	92.6	93.3	94.4	94.7	94.7	9
GE 300	75.2	76.4	79.2	82.1	86.6	87.0	91.3	93.3	94.7	96.2	96.6	96.6	9
GE 200	75.2	76.4	79.2	82.1	86.8	87.2	91.6	93.8	95.7	97.6	98.2	98.3	9
GE 100	75.2	76.4	79.2	82.1	86.8	87.2	91.6	93.8	95.8	97.9	98.6	98.7	9
GE 000	75.2	76.4	79.2	82.1	86.8	87.2	91.6	93.8	95.8	97.9	98.6	98.7	9

TOTAL NUMBER OF OBSERVATIONS 900

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
HOUR UTC: + 5
PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: NOV HOURS: 21-23

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES											
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
	30.2	30.9	30.9	31.2	31.3	31.3	31.6	31.6	31.6	31.6	31.6	31.6	31.6
	34.6	35.2	35.2	35.6	35.9	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.1
	34.9	35.6	35.6	35.9	36.2	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
	34.9	35.6	35.6	35.9	36.2	36.2	36.4	36.4	36.4	36.4	36.4	36.4	36.4
	35.1	35.8	35.8	36.1	36.4	36.4	36.7	36.7	36.7	36.7	36.7	36.7	36.7
	36.1	36.8	36.8	37.1	37.4	37.4	37.7	37.7	37.7	37.7	37.7	37.7	37.7
	37.3	38.2	38.2	38.7	39.0	39.0	39.2	39.2	39.2	39.2	39.2	39.2	39.2
	37.6	38.4	38.4	38.9	39.2	39.2	39.4	39.4	39.4	39.4	39.4	39.4	39.4
	39.4	40.3	40.3	40.8	41.1	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.3
	40.1	41.0	41.0	41.4	41.8	41.8	42.0	42.0	42.0	42.0	42.0	42.0	42.0
	40.6	41.4	41.4	41.9	42.2	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4
	42.4	43.3	43.3	43.8	44.1	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3
	43.9	44.9	44.9	45.3	45.7	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9
	45.6	47.7	47.7	48.1	48.4	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7
	48.2	49.3	49.3	49.8	50.1	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3
	52.6	53.7	53.7	54.2	54.6	54.6	54.8	54.8	54.8	54.8	54.8	54.8	54.8
	57.3	58.8	58.8	59.4	59.8	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0
	65.6	67.4	67.4	68.1	68.4	68.4	68.7	68.7	68.7	68.7	68.7	68.7	68.7
	68.2	70.1	70.2	71.0	71.3	71.4	71.7	71.7	71.7	71.7	71.7	71.7	71.7
	73.0	75.0	75.2	76.1	76.6	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0
	74.9	76.9	77.1	78.2	78.7	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1
	77.9	80.0	80.2	81.7	82.3	82.7	83.0	83.0	83.0	83.0	83.0	83.0	83.0
	78.1	80.6	80.8	82.3	83.2	83.7	84.1	84.1	84.1	84.1	84.1	84.1	84.1
	79.1	81.3	82.0	84.1	85.4	85.9	86.4	86.4	86.4	86.4	86.4	86.4	86.4
	79.8	83.4	83.7	86.4	87.9	88.3	89.0	89.0	89.0	89.0	89.0	89.0	89.0
	80.8	84.6	85.0	88.2	89.7	90.1	90.8	90.8	90.8	90.8	90.8	90.8	90.8
	81.3	85.3	85.8	89.4	90.9	91.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6
	82.1	86.3	86.8	90.8	92.6	93.3	94.4	94.7	94.7	94.8	94.8	94.8	94.8
	82.1	86.6	87.0	91.3	93.3	94.7	96.2	96.6	96.6	96.7	96.7	96.8	96.9
	82.1	86.8	87.2	91.6	93.8	95.7	97.6	98.2	98.3	98.4	98.4	98.9	99.0
	82.1	86.8	87.2	91.6	93.8	95.8	97.9	98.6	98.7	98.9	98.9	99.7	100.0
	82.1	86.8	87.2	91.6	93.8	95.8	97.9	98.6	98.7	98.9	98.9	99.7	100.0

200

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 — MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	26.3	26.6	26.9	27.2	27.7	27.7	27.9	27.9	28.0	28.0	28.0	28.1	28.1
GE 20000	30.1	30.5	31.0	31.3	32.0	32.0	32.2	32.3	32.4	32.4	32.5	32.5	32.5
GE 18000	30.3	30.8	31.3	31.6	32.2	32.3	32.4	32.6	32.6	32.7	32.7	32.7	32.7
GE 16000	30.4	30.8	31.3	31.7	32.3	32.3	32.5	32.7	32.7	32.8	32.8	32.8	32.8
GE 14000	31.0	31.4	31.9	32.3	32.9	33.0	33.2	33.3	33.4	33.4	33.5	33.5	33.5
GE 12000	31.8	32.3	32.8	33.2	33.8	33.8	34.0	34.2	34.2	34.3	34.3	34.3	34.3
GE 10000	34.1	34.6	35.1	35.5	36.3	36.3	36.5	36.7	36.7	36.8	36.8	36.8	36.8
GE 9000	34.5	35.0	35.6	36.0	36.8	36.8	37.0	37.2	37.2	37.3	37.3	37.3	37.3
GE 8000	36.1	36.7	37.3	37.8	38.7	38.7	39.0	39.2	39.2	39.3	39.3	39.3	39.3
GE 7000	37.1	37.6	38.2	38.7	39.7	39.7	40.1	40.2	40.3	40.4	40.4	40.4	40.4
GE 6000	37.7	38.2	38.8	39.4	40.3	40.4	40.7	40.9	41.0	41.0	41.1	41.1	41.1
GE 5000	39.4	40.0	40.6	41.2	42.2	42.3	42.7	42.9	42.9	43.0	43.0	43.0	43.0
GE 4500	40.4	41.0	41.8	42.3	43.4	43.5	43.9	44.1	44.1	44.2	44.2	44.2	44.2
GE 4000	42.5	43.1	43.9	44.5	45.6	45.7	46.1	46.3	46.4	46.4	46.5	46.5	46.5
GE 3500	43.9	44.5	45.3	45.9	47.0	47.1	47.5	47.7	47.8	47.9	47.9	47.9	47.9
GE 3000	47.1	47.7	48.6	49.3	50.6	50.7	51.1	51.3	51.4	51.5	51.5	51.5	51.5
GE 2500	52.8	53.5	54.5	55.3	56.8	57.0	57.5	57.8	58.0	58.0	58.1	58.1	58.1
GE 2000	59.8	60.6	62.0	63.0	64.8	65.0	65.7	66.1	66.4	66.5	66.5	66.6	66.6
GE 1800	62.5	63.4	64.9	66.0	67.9	68.1	68.9	69.4	69.6	69.7	69.8	69.8	69.8
GE 1500	66.0	67.0	68.8	70.0	72.0	72.4	73.4	74.1	74.5	74.7	74.8	74.8	74.8
GE 1200	68.3	69.4	71.4	72.7	75.0	75.4	76.5	77.3	77.8	78.0	78.1	78.1	78.1
GE 1000	70.0	71.1	73.3	74.8	77.3	77.7	79.2	80.2	80.8	81.1	81.3	81.3	81.3
GE 900	70.7	71.9	74.3	75.9	78.5	79.0	80.6	81.7	82.4	82.7	82.9	82.9	82.9
GE 800	71.1	72.4	74.9	76.6	79.5	80.1	81.9	83.3	84.1	84.5	84.8	84.8	84.9
GE 700	71.5	72.8	75.4	77.3	80.7	81.4	83.4	85.0	85.8	86.5	86.8	86.9	87.0
GE 600	71.7	73.2	75.9	78.0	81.6	82.4	84.8	86.6	87.6	88.3	88.8	88.9	89.0
GE 500	72.0	73.4	76.4	78.8	82.6	83.6	86.3	88.6	89.7	90.7	91.4	91.4	91.6
GE 400	72.1	73.6	76.6	79.2	83.1	84.2	87.1	89.9	91.3	92.5	93.4	93.5	93.8
GE 300	72.1	73.6	76.7	79.3	83.3	84.4	87.6	90.9	92.8	94.4	95.5	95.7	96.0
GE 200	72.1	73.6	76.7	79.3	83.5	84.6	87.9	91.3	93.6	95.4	96.8	97.2	97.6
GE 100	72.1	73.6	76.7	79.3	83.5	84.6	87.9	91.3	93.6	95.6	97.0	97.3	97.9
GE 000	72.1	73.6	76.7	79.3	83.5	84.6	87.9	91.3	93.6	95.6	97.0	97.3	97.9

TOTAL NUMBER OF OBSERVATIONS 7200

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: NOV HOURS: ALL

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
.2	27.7	27.7	27.9	27.9	28.0	28.0	28.0	28.1	28.1	28.1	28.2	28.2
.3	32.0	32.0	32.2	32.3	32.4	32.4	32.5	32.5	32.5	32.5	32.6	32.6
.6	32.2	32.3	32.4	32.6	32.6	32.7	32.7	32.7	32.7	32.8	32.8	32.9
.7	32.3	32.3	32.5	32.7	32.7	32.8	32.8	32.8	32.8	32.9	32.9	33.0
.8	32.9	33.0	33.2	33.3	33.4	33.4	33.5	33.5	33.5	33.5	33.6	33.6
.2	33.8	33.8	34.0	34.2	34.2	34.3	34.3	34.3	34.3	34.4	34.4	34.5
.6	36.3	36.3	36.5	36.7	36.7	36.8	36.8	36.8	36.8	36.9	36.9	37.0
.3	36.8	36.8	37.0	37.2	37.2	37.3	37.3	37.3	37.3	37.4	37.4	37.5
.2	38.7	38.7	39.0	39.2	39.2	39.3	39.3	39.3	39.3	39.4	39.4	39.5
.7	39.7	39.7	40.1	40.2	40.3	40.4	40.4	40.4	40.4	40.5	40.5	40.6
.4	40.3	40.4	40.7	40.9	41.0	41.0	41.1	41.1	41.1	41.1	41.2	41.3
.2	42.2	42.3	42.7	42.9	42.9	43.0	43.0	43.0	43.0	43.1	43.1	43.2
.3	43.4	43.5	43.9	44.1	44.1	44.2	44.2	44.2	44.2	44.3	44.3	44.4
.5	45.6	45.7	46.1	46.3	46.4	46.4	46.5	46.5	46.5	46.5	46.6	46.7
.9	47.0	47.1	47.5	47.7	47.8	47.9	47.9	47.9	47.9	48.0	48.0	48.1
.3	50.6	50.7	51.1	51.3	51.4	51.5	51.5	51.5	51.5	51.6	51.6	51.7
.3	56.8	57.0	57.5	57.8	58.0	58.0	58.1	58.1	58.1	58.1	58.2	58.3
.1	64.8	65.0	65.7	66.1	66.4	66.5	66.5	66.6	66.6	66.6	66.7	66.7
.0	67.9	68.1	68.9	69.4	69.6	69.7	69.8	69.8	69.8	69.9	69.9	70.0
.2	72.0	72.4	73.4	74.1	74.5	74.7	74.8	74.8	74.8	74.8	74.9	75.0
.7	75.0	75.4	76.5	77.3	77.8	78.0	78.1	78.1	78.1	78.2	78.2	78.3
.3	77.3	77.7	79.2	80.2	80.8	81.1	81.3	81.3	81.3	81.4	81.4	81.5
.7	78.5	79.0	80.6	81.7	82.4	82.7	82.9	82.9	82.9	83.0	83.0	83.1
.5	79.5	80.1	81.9	83.3	84.1	84.5	84.8	84.8	84.9	85.0	85.0	85.1
.3	80.7	81.4	83.4	85.0	85.8	86.5	86.8	86.9	87.0	87.0	87.1	87.2
.1	81.6	82.4	84.8	86.6	87.6	88.3	88.8	88.9	89.0	89.1	89.1	89.2
.4	82.6	83.6	86.3	88.6	89.7	90.7	91.4	91.4	91.6	91.7	91.8	91.9
.3	83.1	84.2	87.1	89.9	91.3	92.5	93.4	93.5	93.8	93.8	94.0	94.1
.1	83.3	84.4	87.6	90.9	92.8	94.4	95.5	95.7	96.0	96.1	96.4	96.6
.0	83.5	84.6	87.9	91.3	93.6	95.4	96.8	97.2	97.6	98.0	98.5	98.7
.4	83.5	84.6	87.9	91.3	93.6	95.6	97.0	97.3	97.9	98.4	99.3	100.0
.4	83.5	84.6	87.9	91.3	93.6	95.6	97.0	97.3	97.9	98.4	99.3	100.0

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: DEC HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	24.6	24.6	24.6	24.7	24.7	24.7	25.4	25.5	25.6	25.8	25.8	25.8	25.
GE 20000	27.1	27.1	27.1	27.2	27.2	27.2	27.8	28.0	28.1	28.3	28.3	28.3	28.
GE 18000	28.1	28.1	28.1	28.2	28.2	28.2	28.8	28.9	29.0	29.2	29.2	29.2	29.
GE 16000	28.3	28.3	28.3	28.4	28.4	28.4	29.0	29.1	29.2	29.5	29.5	29.5	29.
GE 14000	28.7	28.7	28.7	28.8	28.8	28.8	29.5	29.6	29.7	29.9	29.9	29.9	29.
GE 12000	29.6	29.6	29.6	29.7	29.7	29.7	30.3	30.4	30.5	30.8	30.8	30.8	30.
GE 10000	30.5	30.5	30.5	30.6	30.6	30.6	31.3	31.4	31.5	31.7	31.7	31.7	31.
GE 9000	30.8	30.8	30.8	30.9	30.9	30.9	31.5	31.6	31.7	31.9	31.9	31.9	31.
GE 8000	32.0	32.0	32.0	32.2	32.2	32.2	32.8	32.9	33.0	33.2	33.2	33.2	33.
GE 7000	32.8	32.8	32.8	33.0	33.0	33.1	34.1	34.2	34.4	34.6	34.6	34.6	34.
GE 6000	32.8	32.8	32.8	33.0	33.0	33.1	34.1	34.2	34.4	34.6	34.6	34.6	34.
GE 5000	34.6	34.6	34.6	34.8	34.8	34.9	35.9	36.0	36.2	36.5	36.5	36.5	36.
GE 4500	35.9	35.9	35.9	36.1	36.1	36.2	37.2	37.3	37.5	37.7	37.7	37.7	37.
GE 4000	38.1	38.1	38.1	38.5	38.5	38.6	39.6	39.7	39.9	40.1	40.1	40.1	40.
GE 3500	40.2	40.2	40.4	40.9	40.9	41.0	42.0	42.2	42.4	42.6	42.6	42.6	42.
GE 3000	43.0	43.0	43.3	43.8	44.1	44.2	45.5	45.6	45.8	46.0	46.0	46.0	46.
GE 2500	47.8	47.8	48.5	49.0	49.8	49.9	51.4	51.5	51.7	51.9	51.9	51.9	51.
GE 2000	52.8	52.8	54.0	54.6	55.9	56.0	58.6	58.9	59.2	59.5	59.5	59.5	59.
GE 1800	56.5	56.5	57.7	58.4	60.0	60.1	63.1	63.4	63.8	64.0	64.0	64.0	64.
GE 1500	63.3	63.5	65.5	66.1	68.1	68.3	71.6	72.2	72.7	73.1	73.3	73.3	73.
GE 1200	64.5	64.7	67.0	67.7	69.7	69.9	73.3	74.0	74.5	74.9	75.2	75.2	75.
GE 1000	65.9	66.1	68.4	69.1	71.2	71.4	74.9	76.0	76.6	77.0	77.3	77.3	77.
GE 900	66.9	67.4	69.8	70.6	72.7	72.9	77.1	79.3	79.0	79.7	80.1	80.1	80.
GE 800	67.4	68.0	70.4	71.4	73.4	73.7	78.3	79.5	81.2	81.8	82.3	82.3	82.
GE 700	68.2	68.9	71.5	72.6	74.8	75.1	80.2	81.6	84.0	84.9	85.4	85.4	85.
GE 600	68.5	69.2	72.4	73.7	76.2	76.7	82.3	83.8	86.7	87.7	88.4	88.4	89.
GE 500	68.6	69.4	72.5	73.9	77.0	77.5	83.2	84.8	87.8	89.6	90.4	90.4	91.
GE 400	69.0	69.8	73.0	74.4	77.6	78.4	84.4	86.2	89.2	91.1	92.0	92.2	93.
GE 300	69.0	69.8	73.0	74.5	77.7	78.5	84.6	86.5	89.7	91.9	93.2	93.3	94.
GE 200	69.0	69.8	73.1	74.6	78.2	78.9	85.1	87.2	90.5	93.2	95.3	95.8	97.
GE 100	69.0	69.8	73.1	74.6	78.2	78.9	85.1	87.2	90.5	93.3	95.4	95.9	97.
GE 000	69.0	69.8	73.1	74.6	78.2	78.9	85.1	87.2	90.5	93.3	95.4	95.9	97.

TOTAL NUMBER OF OBSERVATIONS 930

TY

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

JU TION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TI UTC: + 5 — MONTH: DEC HOURS: 00-02

	VISIBILITY IN STATUTE MILES												
3	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
2	24.7	24.7	24.7	25.4	25.5	25.6	25.8	25.8	25.8	25.8	25.8	25.8	25.8
2	27.2	27.2	27.2	27.8	28.0	28.1	28.3	28.3	28.3	28.3	28.3	28.3	28.3
2	28.2	28.2	28.2	28.8	28.9	29.0	29.2	29.2	29.2	29.2	29.2	29.2	29.2
2	28.4	28.4	28.4	29.0	29.1	29.2	29.5	29.5	29.5	29.5	29.5	29.5	29.5
2	28.8	28.8	28.8	29.5	29.6	29.7	29.9	29.9	29.9	29.9	29.9	29.9	29.9
3	29.7	29.7	29.7	30.3	30.4	30.5	30.8	30.8	30.8	30.8	30.8	30.8	30.8
3	30.6	30.6	30.6	31.3	31.4	31.5	31.7	31.7	31.7	31.7	31.7	31.7	31.7
3	30.9	30.9	30.9	31.5	31.6	31.7	31.9	31.9	31.9	31.9	31.9	31.9	31.9
3	32.2	32.2	32.2	32.8	32.9	33.0	33.2	33.2	33.2	33.2	33.2	33.2	33.2
3	33.0	33.0	33.1	34.1	34.2	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6
34	33.0	33.0	33.1	34.1	34.2	34.4	34.6	34.6	34.6	34.6	34.6	34.6	34.6
3	34.8	34.8	34.9	35.9	36.0	36.2	36.5	36.5	36.5	36.5	36.5	36.5	36.5
37	36.1	36.1	36.2	37.2	37.3	37.5	37.7	37.7	37.7	37.7	37.7	37.7	37.7
4	38.5	38.5	38.6	39.6	39.7	39.9	40.1	40.1	40.1	40.1	40.1	40.1	40.1
42	40.9	40.9	41.0	42.0	42.2	42.4	42.6	42.6	42.6	42.6	42.6	42.6	42.6
46	43.9	44.1	44.2	45.5	45.6	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0
5	49.0	49.8	49.9	51.4	51.5	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9
5	54.6	55.9	56.0	58.6	58.9	59.2	59.5	59.5	59.5	59.5	59.5	59.5	59.5
64	58.4	60.0	60.1	63.1	63.4	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0
73	68.1	68.1	68.3	71.6	72.2	72.7	73.1	73.3	73.3	73.3	73.3	73.3	73.3
75	67.7	69.7	69.9	73.3	74.0	74.5	74.9	75.2	75.2	75.2	75.2	75.2	75.2
77	69.1	71.2	71.4	74.9	76.0	76.6	77.0	77.3	77.3	77.3	77.3	77.3	77.3
80	70.5	72.7	72.9	77.1	78.3	79.0	79.7	80.1	80.1	80.2	80.2	80.2	80.2
82	71.4	73.4	73.7	78.3	79.5	81.2	81.8	82.3	82.3	82.4	82.4	82.4	82.4
85	72.5	74.8	75.1	80.2	81.6	84.0	84.9	85.4	85.4	85.9	85.9	85.9	85.9
89	73.7	76.2	76.7	82.3	83.8	86.7	87.7	88.4	89.4	89.1	89.1	89.1	89.1
91	73.9	77.0	77.5	83.2	84.8	87.8	89.6	90.4	90.4	91.4	91.4	91.4	91.4
93	74.4	77.6	78.4	84.4	85.2	89.2	91.1	92.0	92.2	93.1	93.1	93.1	93.1
95	74.8	77.7	78.5	84.5	86.5	89.7	91.9	93.2	93.3	94.6	95.1	95.1	95.4
97	74.8	78.2	78.9	85.1	87.2	90.5	93.2	95.3	95.8	97.4	97.8	98.2	98.6
98	74.8	78.2	78.9	85.1	87.2	90.5	93.3	95.4	95.9	97.5	98.1	98.9	100.0
98	74.8	78.2	78.9	85.1	87.2	90.5	93.3	95.4	95.9	97.5	98.1	98.9	100.0

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OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBIL
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: DEC HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	27.6	27.7	28.3	28.3	28.6	28.8	28.8	28.9	29.1	29.4	29.5	29.5	29.6
GE 20000	30.3	30.4	31.0	31.0	31.3	31.5	31.5	31.6	31.8	32.0	32.2	32.2	32.3
GE 18000	30.4	30.5	31.1	31.1	31.4	31.6	31.6	31.7	31.9	32.2	32.3	32.3	32.4
GE 16000	30.8	30.9	31.4	31.4	31.7	31.9	31.9	32.0	32.3	32.5	32.6	32.6	32.7
GE 14000	30.9	31.0	31.5	31.5	31.8	32.0	32.0	32.2	32.4	32.6	32.7	32.7	32.8
GE 12000	31.3	31.4	31.9	31.9	32.3	32.5	32.5	32.6	32.8	33.0	33.1	33.1	33.2
GE 10000	32.3	32.4	32.9	32.9	33.2	33.4	33.4	33.5	33.8	34.0	34.1	34.1	34.2
GE 9000	32.4	32.5	33.0	33.0	33.3	33.5	33.5	33.7	33.9	34.1	34.2	34.2	34.3
GE 8000	33.0	33.1	33.8	33.9	34.2	34.4	34.4	34.5	34.7	34.9	35.1	35.1	35.2
GE 7000	33.8	33.9	34.5	34.6	34.9	35.2	35.2	35.3	35.5	35.7	35.8	35.8	35.9
GE 6000	33.8	33.9	34.5	34.6	34.9	35.5	35.5	35.6	35.8	36.0	36.1	36.1	36.2
GE 5000	35.2	35.3	35.9	36.0	36.3	36.9	36.9	37.0	37.2	37.4	37.5	37.5	37.6
GE 4500	35.3	35.9	36.6	36.7	37.0	37.5	37.5	37.6	37.8	38.1	38.2	38.2	38.3
GE 4000	38.3	38.6	39.4	39.5	39.9	40.4	40.8	41.0	41.2	41.4	41.5	41.5	41.6
GE 3500	39.2	39.6	40.3	40.4	41.0	41.5	41.8	42.0	42.3	42.5	42.6	42.6	42.7
GE 3000	41.3	41.6	42.5	42.6	43.5	44.3	44.6	44.8	45.1	45.3	45.4	45.4	45.5
GE 2500	46.3	46.8	47.8	48.0	49.5	50.0	50.3	50.5	50.8	51.0	51.1	51.1	51.2
GE 2000	52.9	53.4	55.4	55.9	57.7	58.4	59.1	59.7	60.2	60.4	60.5	60.5	60.6
GE 1800	56.6	57.2	59.2	59.8	61.9	62.6	63.4	64.0	64.5	64.7	64.8	64.8	64.9
GE 1500	62.2	62.9	66.0	66.8	69.1	69.8	70.9	71.8	72.5	72.7	72.8	72.8	72.9
GE 1200	64.4	65.2	68.6	69.5	72.4	73.1	74.9	76.1	76.8	77.1	77.2	77.2	77.3
GE 1000	65.6	66.3	69.9	71.0	74.0	74.7	76.7	78.1	78.7	79.4	79.5	79.5	79.6
GE 900	66.1	67.0	70.5	71.6	74.6	75.4	77.7	79.1	79.8	80.4	80.5	80.5	80.6
GE 800	66.7	67.6	71.2	72.3	75.5	76.3	79.0	80.6	82.0	82.8	82.9	82.9	83.0
GE 700	67.1	68.1	71.7	73.0	77.1	78.0	81.2	83.1	85.1	85.9	86.3	86.3	86.5
GE 600	67.5	68.5	72.2	73.7	77.8	78.9	82.4	84.4	86.5	87.3	87.7	88.1	88.2
GE 500	67.8	68.8	72.8	74.3	78.7	79.8	83.4	86.0	88.4	89.5	90.5	90.9	91.4
GE 400	68.0	68.9	72.9	74.4	79.2	80.5	84.6	87.3	89.7	91.0	92.3	92.6	93.1
GE 300	68.0	68.9	72.9	74.4	79.6	80.9	85.4	88.1	91.1	92.6	94.2	94.5	95.1
GE 200	68.0	68.9	72.9	74.4	79.7	81.0	85.6	88.4	91.4	93.3	95.4	95.7	96.8
GE 100	68.0	68.9	72.9	74.4	79.7	81.0	85.6	88.4	91.5	93.4	95.5	95.8	96.9
GE 000	68.0	68.9	72.9	74.4	79.7	81.0	85.6	88.4	91.5	93.4	95.5	95.8	96.9

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ON NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: DEC HOURS: 03-05

CEILING	VISIBILITY IN STATUTE MILES											
GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
[illegible]	28.6	28.8	28.8	28.9	29.1	29.4	29.5	29.5	29.6	29.6	29.7	29.7
31.0	31.3	31.5	31.5	31.6	31.8	32.0	32.2	32.2	32.3	32.3	32.4	32.4
31.1	31.4	31.6	31.6	31.7	31.9	32.2	32.3	32.3	32.4	32.4	32.5	32.5
31.4	31.7	31.9	31.9	32.0	32.3	32.5	32.6	32.6	32.7	32.7	32.8	32.8
31.5	31.8	32.0	32.0	32.2	32.4	32.6	32.7	32.7	32.8	32.8	32.9	32.9
31.9	32.3	32.5	32.5	32.6	32.8	33.0	33.1	33.1	33.2	33.2	33.3	33.3
32.9	33.2	33.4	33.4	33.5	33.8	34.0	34.1	34.1	34.2	34.2	34.3	34.3
33.0	33.3	33.5	33.5	33.7	33.9	34.1	34.2	34.2	34.3	34.3	34.4	34.4
33.9	34.2	34.4	34.4	34.5	34.7	34.9	35.1	35.1	35.2	35.2	35.3	35.3
34.8	34.9	35.2	35.2	35.3	35.5	35.7	35.8	35.8	35.9	35.9	36.0	36.0
34.8	34.9	35.5	35.5	35.6	35.8	36.0	36.1	36.1	36.2	36.2	36.3	36.3
36.9	36.3	36.9	36.9	37.0	37.2	37.4	37.5	37.5	37.6	37.6	37.7	37.7
37.7	37.0	37.5	37.5	37.6	37.8	38.1	38.2	38.2	38.3	38.3	38.4	38.4
39.5	39.9	40.4	40.8	41.0	41.2	41.4	41.5	41.5	41.6	41.6	41.7	41.7
40.4	41.0	41.5	41.8	42.0	42.3	42.5	42.6	42.6	42.7	42.7	42.8	42.8
42.6	43.3	44.3	44.6	44.8	45.1	45.3	45.4	45.4	45.5	45.5	45.6	45.6
48.6	49.5	50.0	50.3	50.5	50.8	51.0	51.1	51.1	51.2	51.2	51.3	51.3
56.9	57.7	58.4	59.1	59.7	60.2	60.4	60.5	60.5	60.6	60.6	60.8	60.8
59.8	61.9	62.5	63.4	64.0	64.5	64.7	64.8	64.8	64.9	64.9	65.1	65.1
68.8	69.1	69.8	70.9	71.8	72.5	72.7	72.8	72.8	72.9	72.9	73.0	73.0
69.5	72.4	73.1	74.9	76.1	76.8	77.1	77.2	77.2	77.3	77.3	77.4	77.4
71.0	74.0	74.7	76.7	78.1	78.7	79.4	79.5	79.5	79.6	79.6	79.7	79.7
71.5	74.6	75.4	77.7	79.1	79.8	80.4	80.5	80.5	80.6	80.6	80.8	80.8
72.3	75.5	76.3	79.0	80.6	82.0	82.8	82.9	82.9	83.0	83.0	83.1	83.1
73.9	77.1	78.0	81.2	83.1	85.1	85.9	86.3	86.3	86.5	86.5	86.8	86.8
73.7	77.8	78.9	82.4	84.4	86.5	87.3	87.7	88.1	88.2	88.2	88.5	88.5
74.3	78.7	79.8	83.4	86.0	88.4	89.5	90.5	90.9	91.4	91.4	91.7	91.7
74.4	79.2	80.5	84.6	87.3	89.7	91.0	92.3	92.6	93.1	93.1	93.4	93.5
74.4	79.6	80.9	85.4	88.1	91.1	92.6	94.2	94.5	95.1	95.1	95.5	95.6
74.4	79.7	81.0	85.6	88.4	91.4	93.3	95.4	95.7	96.8	97.0	97.8	98.3
74.4	79.7	81.0	85.6	88.4	91.5	93.4	95.5	95.8	96.9	97.3	99.0	100.0
74.4	79.7	81.0	85.6	88.4	91.5	93.4	95.5	95.8	96.9	97.3	99.0	100.0

430

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	28.2	28.3	28.6	28.7	28.7	28.7	28.7	28.8	28.9	28.9	28.9	28.9	28.9
GE 20000	29.0	29.1	29.5	29.6	29.6	29.6	29.6	29.7	29.8	29.8	29.8	29.8	29.8
GE 18000	29.0	29.1	29.5	29.6	29.6	29.6	29.6	29.7	29.8	29.8	29.8	29.8	29.8
GE 16000	29.1	29.2	29.6	29.7	29.7	29.7	29.7	29.8	29.9	29.9	29.9	29.9	29.9
GE 14000	29.6	29.7	30.0	30.1	30.1	30.1	30.1	30.2	30.3	30.3	30.3	30.3	30.3
GE 12000	29.7	29.8	30.1	30.2	30.2	30.2	30.2	30.3	30.4	30.4	30.4	30.4	30.4
GE 10000	30.9	31.1	31.4	31.5	31.5	31.5	31.5	31.6	31.7	31.7	31.7	31.7	31.7
GE 9000	31.3	31.5	31.8	31.9	31.9	31.9	31.9	32.0	32.2	32.2	32.2	32.2	32.2
GE 8000	32.3	32.5	32.8	32.9	32.9	32.9	32.9	33.0	33.1	33.1	33.1	33.1	33.1
GE 7000	33.0	33.2	33.5	33.8	33.8	33.8	33.8	33.9	34.0	34.0	34.0	34.0	34.0
GE 6000	33.1	33.3	33.7	33.9	33.9	34.0	34.0	34.1	34.2	34.2	34.2	34.2	34.2
GE 5000	35.3	35.5	35.8	36.0	36.0	36.1	36.1	36.2	36.3	36.3	36.3	36.3	36.3
GE 4500	36.9	36.2	36.6	36.8	36.8	36.9	36.9	37.0	37.1	37.1	37.1	37.1	37.1
GE 4000	37.5	37.7	38.1	38.3	38.3	38.4	38.4	38.7	38.8	38.8	38.8	38.8	38.8
GE 3500	38.0	38.2	38.5	38.7	38.8	38.9	39.0	39.4	39.5	39.5	39.5	39.5	39.5
GE 3000	40.6	41.0	41.4	41.6	41.8	41.9	42.0	42.4	42.5	42.5	42.5	42.5	42.5
GE 2500	45.1	45.5	46.0	46.2	46.8	47.1	47.3	47.7	48.0	48.0	48.0	48.0	48.0
GE 2000	52.2	52.6	53.3	54.0	55.1	55.6	57.0	57.6	58.2	58.3	58.3	58.3	58.3
GE 1800	55.4	55.9	56.9	57.6	58.9	59.5	61.0	61.6	62.2	62.5	62.5	62.5	62.5
GE 1500	61.0	61.5	63.0	63.8	65.4	65.9	68.0	68.8	69.4	69.7	69.7	69.7	69.7
GE 1200	63.8	64.3	66.0	66.9	68.7	69.4	71.7	72.8	73.3	74.0	74.0	74.0	74.0
GE 1000	65.2	65.7	67.5	68.7	70.9	71.5	74.4	75.9	76.6	77.2	77.4	77.4	77.4
GE 900	66.0	66.6	68.4	69.6	71.8	72.6	75.5	77.2	78.1	78.8	79.1	79.1	79.1
GE 800	66.7	67.2	69.1	70.4	72.9	73.7	76.9	79.2	80.5	81.4	81.7	81.7	81.7
GE 700	67.0	67.5	69.5	70.9	73.5	74.6	78.3	81.4	82.8	84.1	84.7	84.7	84.9
GE 600	67.8	68.4	70.3	71.8	75.1	76.2	80.4	83.8	85.3	86.7	87.3	87.3	87.5
GE 500	68.3	68.8	71.2	72.7	76.2	77.6	81.8	85.8	87.5	89.2	90.3	90.3	90.8
GE 400	68.4	68.9	71.5	73.0	76.7	78.1	82.6	87.2	89.1	90.9	91.9	91.9	92.5
GE 300	68.4	68.9	71.5	73.0	77.0	78.4	83.5	88.6	91.4	93.3	94.5	94.6	95.3
GE 200	68.4	68.9	71.5	73.0	77.0	78.4	83.9	88.9	91.8	93.9	95.5	95.6	96.6
GE 100	68.4	68.9	71.5	73.0	77.0	78.4	83.9	88.9	92.2	94.2	95.8	95.9	96.9
GE 000	68.4	68.9	71.5	73.0	77.0	78.4	83.9	88.9	92.2	94.2	95.8	95.9	97.0

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

AME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
C: + 5 — MONTH: DEC HOURS: 06-08

VISIBILITY IN STATUTE MILES											
GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
28.7	28.7	28.7	28.8	28.9	28.9	28.9	28.9	28.9	28.9	29.0	29.0
29.6	29.6	29.6	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.9	29.9
29.6	29.6	29.6	29.7	29.8	29.8	29.8	29.8	29.8	29.8	29.9	29.9
29.7	29.7	29.7	29.8	29.9	29.9	29.9	29.9	29.9	29.9	30.0	30.0
30.1	30.1	30.1	30.2	30.3	30.3	30.3	30.3	30.3	30.3	30.4	30.4
30.2	30.2	30.2	30.3	30.4	30.4	30.4	30.4	30.4	30.4	30.5	30.5
31.5	31.5	31.5	31.6	31.7	31.7	31.7	31.7	31.7	31.7	31.8	31.8
31.9	31.9	31.9	32.0	32.2	32.2	32.2	32.2	32.2	32.2	32.3	32.3
32.9	32.9	32.9	33.0	33.1	33.1	33.1	33.1	33.1	33.1	33.2	33.2
33.8	33.8	33.8	33.9	34.0	34.0	34.0	34.0	34.0	34.0	34.1	34.1
33.9	34.0	34.0	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.3	34.3
36.0	36.1	36.1	36.2	36.3	36.3	36.3	36.3	36.3	36.3	36.5	36.5
36.8	36.9	36.9	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.2	37.2
38.3	38.4	38.4	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.9	38.9
38.8	38.9	39.0	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.6	39.6
41.3	41.9	42.0	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.6	42.6
46.8	47.1	47.3	47.7	48.0	48.0	48.0	48.0	48.0	48.0	48.1	48.1
55.1	55.6	57.0	57.6	58.2	58.3	58.3	58.3	58.3	58.3	58.4	58.4
58.9	59.5	61.0	61.6	62.2	62.5	62.5	62.5	62.5	62.5	62.6	62.6
65.4	65.9	68.0	68.8	69.4	69.7	69.7	69.7	69.7	69.7	69.8	69.8
68.7	69.4	71.7	72.8	73.3	74.0	74.0	74.0	74.0	74.1	74.2	74.2
70.8	71.5	74.4	75.9	76.6	77.2	77.4	77.4	77.4	77.5	77.6	77.6
71.8	72.6	75.5	77.2	78.1	78.8	79.1	79.1	79.1	79.2	79.5	79.5
72.9	73.7	76.9	79.2	80.5	81.4	81.7	81.7	81.7	81.8	82.0	82.0
73.5	74.5	78.3	81.4	82.8	84.1	84.7	84.7	84.9	85.1	85.3	85.3
75.1	76.2	80.4	83.8	85.3	86.7	87.3	87.3	87.5	87.6	87.8	87.8
76.2	77.6	81.8	85.8	87.5	89.2	90.3	90.3	90.8	90.9	91.1	91.1
76.7	78.1	82.6	87.2	89.1	90.9	91.9	91.9	92.5	92.8	93.1	93.1
77.0	78.4	83.5	88.6	91.4	93.3	94.5	94.6	95.3	95.6	95.9	95.9
77.0	78.4	83.9	88.9	91.8	93.9	95.5	95.6	96.6	97.0	97.4	98.0
77.0	78.4	83.9	88.9	92.2	94.2	95.8	95.9	96.9	97.3	98.2	99.9
77.0	78.4	83.9	88.9	92.2	94.2	95.8	95.9	97.0	97.4	98.3	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIB
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: DEC HOURS: 09-1

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/
NO CEIL	24.3	24.4	24.7	25.1	25.7	25.7	25.8	25.9	25.9	25.9	25.9	25.9	25.
GE 20000	28.8	28.9	29.4	29.7	30.3	30.3	30.4	30.5	30.5	30.5	30.5	30.5	30.
GE 18000	29.1	29.2	29.7	30.0	30.6	30.6	30.8	30.9	30.9	30.9	30.9	30.9	30.
GE 16000	29.4	29.5	29.9	30.2	30.9	30.9	31.0	31.1	31.1	31.1	31.1	31.1	31.
GE 14000	30.2	30.3	30.8	31.1	31.7	31.7	31.8	31.9	31.9	31.9	31.9	31.9	31.
GE 12000	31.3	31.4	31.8	32.2	32.8	32.8	32.9	33.0	33.0	33.0	33.0	33.0	33.
GE 10000	33.2	33.4	33.9	34.2	34.8	34.8	34.9	35.1	35.1	35.1	35.1	35.1	35.
GE 9000	34.0	34.2	34.6	34.9	35.6	35.6	35.8	35.9	35.9	35.9	35.9	35.9	35.
GE 8000	35.8	36.0	36.6	36.9	37.5	37.5	37.7	37.8	37.8	37.8	37.8	37.8	37.
GE 7000	36.5	36.7	37.2	37.5	38.2	38.2	38.4	38.5	38.5	38.5	38.5	38.5	38.
GE 6000	37.0	37.3	37.8	38.2	38.8	38.8	39.0	39.1	39.1	39.1	39.1	39.1	39.
GE 5000	38.5	38.8	39.4	39.7	40.3	40.3	40.5	40.6	40.6	40.6	40.6	40.6	40.
GE 4500	39.0	39.4	40.0	40.4	41.3	41.3	41.6	41.7	41.7	41.7	41.7	41.7	41.
GE 4000	39.7	40.0	40.9	41.3	42.2	42.3	42.6	42.7	42.7	42.7	42.7	42.7	42.
GE 3500	40.1	40.4	41.4	41.9	42.9	43.0	43.4	43.7	43.7	43.7	43.7	43.7	43.
GE 3000	40.9	41.2	42.2	42.7	43.9	44.1	44.5	44.7	44.8	44.8	44.8	44.8	44.
GE 2500	44.2	44.5	45.7	46.3	47.8	48.4	49.0	49.2	49.6	49.7	49.7	49.7	49.
GE 2000	50.9	51.5	53.1	54.0	55.7	56.3	57.5	57.8	58.5	58.9	58.9	58.9	59.
GE 1800	52.9	53.5	55.5	56.7	58.7	59.4	60.8	61.3	62.0	62.6	62.6	62.6	62.
GE 1500	57.1	57.8	60.2	61.5	63.9	64.6	66.6	67.4	68.6	69.5	69.5	69.5	69.
GE 1200	59.4	60.1	63.0	64.6	67.4	68.3	70.2	71.5	72.8	73.7	74.0	74.1	74.
GE 1000	60.4	61.3	64.2	66.1	69.1	70.0	72.2	73.7	75.2	76.1	76.8	76.9	77.
GE 900	61.2	62.3	65.3	67.2	70.2	71.2	73.5	75.3	76.9	78.1	78.7	78.8	79.
GE 800	61.4	62.8	66.0	68.1	71.1	72.2	75.1	76.9	78.7	80.1	81.0	81.1	81.
GE 700	61.5	63.1	66.5	68.5	71.8	72.9	76.6	78.9	81.3	83.2	84.3	84.5	85.
GE 600	61.5	63.1	66.6	68.7	72.5	73.5	78.0	80.6	83.4	85.6	86.8	87.1	87.
GE 500	61.5	63.1	66.7	68.8	72.7	73.8	78.3	81.3	84.4	86.9	88.5	89.0	90.
GE 400	61.6	63.2	66.9	69.0	73.1	74.3	78.8	81.8	85.4	88.1	90.0	90.8	92.
GE 300	61.6	63.2	66.9	69.0	73.1	74.4	78.9	82.6	86.5	89.4	91.4	92.3	94.
GE 200	61.6	63.2	66.9	69.0	73.1	74.4	78.9	82.8	86.8	89.9	92.8	93.7	95.
GE 100	61.6	63.2	66.9	69.0	73.1	74.4	78.9	82.8	86.9	90.0	93.0	93.9	96.
GE 000	61.6	63.2	66.9	69.0	73.1	74.4	78.9	82.8	86.9	90.0	93.0	93.9	96.

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
EST TO UTC: + 5 MONTH: DEC HOURS: 09-11

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
7	25.1	25.7	25.7	25.8	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
5	29.7	30.3	30.3	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
3	30.0	30.6	30.6	30.8	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9	30.9
2	30.2	30.9	30.9	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
1	31.1	31.7	31.7	31.8	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
0	32.2	32.8	32.8	32.9	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
5	34.2	34.8	34.8	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
4	34.9	35.6	35.6	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
3	35.9	37.5	37.5	37.7	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
2	37.5	38.2	38.2	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
1	38.2	38.8	38.8	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
4	39.7	40.3	40.3	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
3	40.4	41.3	41.3	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
2	41.3	42.2	42.3	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
1	41.9	42.9	43.0	43.4	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
0	42.7	43.9	44.1	44.5	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
7	46.3	47.8	48.4	49.0	49.2	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7
6	54.0	55.7	56.3	57.5	57.8	58.5	58.9	58.9	58.9	59.0	59.0	59.0	59.0
5	56.7	58.7	59.4	60.8	61.3	62.0	62.6	62.6	62.6	62.7	62.7	62.7	62.7
4	61.5	63.9	64.6	66.6	67.4	68.6	69.5	69.5	69.5	69.6	69.6	69.6	69.6
3	64.6	67.4	68.3	70.2	71.5	72.8	73.7	74.0	74.1	74.2	74.2	74.2	74.2
2	66.1	69.1	70.0	72.2	73.7	75.2	76.1	76.8	76.9	77.2	77.3	77.3	77.3
1	67.2	70.2	71.2	73.5	75.3	76.9	78.1	78.7	78.8	79.2	79.5	79.5	79.5
0	69.1	71.1	72.2	75.1	76.9	78.7	80.1	81.0	81.1	81.5	81.7	81.9	81.9
9	69.5	71.8	72.9	76.6	78.9	81.3	83.2	84.3	84.5	85.2	85.6	85.9	85.9
8	68.7	72.5	73.5	78.0	80.6	83.4	85.6	86.8	87.1	87.7	88.2	88.5	88.5
7	68.8	72.7	73.8	78.3	81.3	84.4	86.9	88.5	89.0	90.1	90.5	91.1	91.2
6	69.0	73.1	74.3	78.8	81.8	85.4	88.1	90.0	90.8	92.0	92.8	93.4	93.8
5	69.0	73.1	74.4	78.9	82.6	86.5	89.4	91.4	92.3	94.0	94.7	95.4	96.0
4	69.0	73.1	74.4	78.9	82.8	86.8	89.9	92.8	93.7	95.7	96.6	97.4	98.5
0	69.0	73.1	74.4	78.9	82.8	86.9	90.0	93.0	93.9	96.0	97.0	98.1	100.0
9	69.0	73.1	74.4	78.9	82.8	86.9	90.0	93.0	93.9	96.0	97.0	98.1	100.0

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OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS V
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: A
LST TO UTC: + 5 — MONTH: DEC HOURS:

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	25.1	25.2	25.8	26.1	26.3	26.3	26.5	26.5	26.6	26.6	26.6	26.6
GE 20000	28.4	28.5	29.1	29.5	29.7	29.7	29.8	29.8	29.9	29.9	29.9	29.9
GE 18000	29.1	29.2	29.9	30.2	30.4	30.4	30.5	30.5	30.6	30.6	30.6	30.6
GE 16000	29.1	29.2	29.9	30.2	30.4	30.4	30.5	30.5	30.6	30.6	30.6	30.6
GE 14000	30.4	30.5	31.2	31.5	31.7	31.7	31.8	31.8	31.9	31.9	31.9	31.9
GE 12000	31.2	31.3	32.0	32.4	32.6	32.6	32.7	32.7	32.8	32.8	32.8	32.8
GE 10000	33.5	33.8	34.5	34.8	35.1	35.1	35.2	35.3	35.5	35.5	35.5	35.5
GE 9000	33.9	34.1	34.8	35.2	35.4	35.4	35.5	35.6	35.8	35.8	35.8	35.8
GE 8000	35.9	36.1	36.9	37.2	37.4	37.4	37.5	37.6	37.8	37.8	37.8	37.8
GE 7000	36.8	37.0	37.7	38.1	38.3	38.3	38.4	38.5	38.7	38.7	38.7	38.7
GE 6000	37.4	37.6	38.4	38.7	38.9	38.9	39.0	39.1	39.4	39.4	39.4	39.4
GE 5000	38.3	38.5	39.4	39.8	40.0	40.0	40.1	40.2	40.4	40.4	40.4	40.4
GE 4500	38.6	38.8	39.7	40.1	40.3	40.3	40.5	40.6	41.0	41.0	41.0	41.0
GE 4000	40.1	40.3	41.3	41.8	42.0	42.0	42.3	42.4	42.7	42.7	42.7	42.7
GE 3500	40.6	40.9	41.9	42.5	42.7	42.7	42.9	43.0	43.3	43.3	43.3	43.3
GE 3000	42.6	42.8	43.9	44.6	45.2	45.2	45.4	45.6	45.9	45.9	45.9	45.9
GE 2500	46.7	47.1	48.6	49.6	50.3	50.6	51.0	51.2	51.7	51.8	51.8	51.8
GE 2000	51.4	52.0	54.0	54.9	55.9	56.2	57.1	57.6	58.5	58.6	58.6	58.6
GE 1800	52.9	53.5	55.9	57.0	58.1	58.4	59.5	60.0	61.0	61.1	61.1	61.1
GE 1500	58.3	58.9	62.2	63.7	65.4	65.8	67.6	68.7	69.8	70.0	70.0	70.0
GE 1200	60.3	61.0	65.2	66.8	68.8	69.4	71.4	72.6	73.7	74.0	74.0	74.0
GE 1000	61.8	62.7	67.5	69.1	71.3	71.8	74.3	75.8	77.5	78.0	78.5	78.5
GE 900	62.5	63.3	68.3	70.1	72.5	73.0	75.6	77.2	79.0	79.5	80.0	80.0
GE 800	62.8	63.7	68.6	71.1	73.8	74.4	77.5	79.1	81.0	81.5	82.6	82.6
GE 700	63.0	63.9	69.1	71.7	74.7	75.6	79.1	81.2	83.3	83.9	85.3	85.3
GE 600	63.0	64.0	69.4	71.9	74.9	75.8	79.8	82.3	84.9	86.0	87.6	87.6
GE 500	63.0	64.4	69.8	72.4	75.8	76.7	81.1	83.8	86.9	88.1	90.1	90.4
GE 400	63.3	64.7	70.1	72.7	76.1	77.0	81.5	84.3	87.7	89.2	91.4	91.7
GE 300	63.3	64.7	70.1	72.7	76.1	77.0	81.5	85.1	88.8	91.0	93.2	93.5
GE 200	63.3	64.7	70.1	72.7	76.1	77.0	81.5	85.1	89.0	91.2	93.7	94.0
GE 100	63.3	64.7	70.1	72.7	76.1	77.0	81.5	85.1	89.0	91.2	93.7	94.0
GE 000	63.3	64.7	70.1	72.7	76.1	77.0	81.5	85.1	89.0	91.2	93.7	94.0

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: DEC HOURS: 12-14

CEILING IN HUNDREDS OF FEET	VISIBILITY IN STATUTE MILES												
	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
GE 6	25.8	26.1	26.3	26.3	26.5	26.5	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
GE 9	29.1	29.5	29.7	29.7	29.8	29.8	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9
GE 10	29.9	30.2	30.4	30.4	30.5	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
GE 11	29.9	30.2	30.4	30.4	30.5	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
GE 12	31.2	31.5	31.7	31.7	31.8	31.8	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9
GE 13	32.0	32.4	32.6	32.6	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8	32.8
GE 15	34.5	34.8	35.1	35.1	35.2	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
GE 16	35.3	35.2	35.4	35.4	35.5	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
GE 17	36.9	37.2	37.4	37.4	37.5	37.6	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
GE 18	37.7	38.1	38.3	38.3	38.4	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
GE 19	38.4	38.7	38.9	38.9	39.0	39.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
GE 20	39.4	39.8	40.0	40.0	40.1	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
GE 21	39.7	40.1	40.3	40.3	40.5	40.6	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
GE 22	41.3	41.8	42.0	42.0	42.3	42.4	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
GE 23	42.9	42.5	42.7	42.7	42.9	43.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
GE 25	43.9	44.6	45.2	45.2	45.4	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
GE 26	49.6	49.6	50.3	50.6	51.0	51.2	51.7	51.8	51.8	51.8	52.0	52.0	52.0	52.0
GE 27	54.0	54.9	55.9	56.2	57.1	57.6	58.5	58.6	58.6	58.6	58.8	58.8	58.8	58.8
GE 28	57.9	57.0	58.1	58.4	59.5	60.0	61.0	61.1	61.1	61.1	61.3	61.3	61.4	61.4
GE 30	63.2	63.7	65.4	65.8	67.6	68.7	69.8	70.0	70.0	70.0	70.3	70.3	70.4	70.4
GE 40	66.2	66.8	68.8	69.4	71.4	72.6	73.7	74.0	74.0	74.0	74.3	74.3	74.4	74.4
GE 50	68.5	69.1	71.3	71.8	74.3	75.8	77.5	78.0	78.5	78.5	78.8	78.8	78.9	78.9
GE 60	69.3	70.1	72.5	73.0	75.6	77.2	79.0	79.5	80.0	80.0	80.3	80.3	80.4	80.4
GE 70	70.6	71.1	73.8	74.4	77.5	79.1	81.0	81.5	82.6	82.6	83.1	83.3	83.4	83.4
GE 80	71.1	71.7	74.7	75.6	79.1	81.2	83.3	83.9	85.3	85.3	85.9	86.2	86.7	86.8
GE 90	71.4	71.9	74.9	75.8	79.8	82.3	84.9	86.0	87.6	87.6	88.5	88.8	89.4	89.5
GE 100	72.1	72.4	75.8	76.7	81.1	83.8	86.9	88.1	90.1	90.4	91.8	92.2	92.8	93.2
GE 120	72.1	72.7	76.1	77.0	81.5	84.3	87.7	89.2	91.4	91.7	93.3	93.9	94.6	95.2
GE 150	72.1	72.7	76.1	77.0	81.5	85.1	88.8	91.0	93.2	93.5	95.6	96.2	97.1	97.7
GE 200	72.1	72.7	76.1	77.0	81.5	85.1	89.0	91.2	93.7	94.0	96.2	97.0	98.2	99.0
GE 300	72.1	72.7	76.1	77.0	81.5	85.1	89.0	91.2	93.7	94.0	96.2	97.3	98.8	100.0
GE 600	72.1	72.7	76.1	77.0	81.5	85.1	89.0	91.2	93.7	94.0	96.2	97.3	98.8	100.0

NS 930

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: DEC HOURS: 15-

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	1
NO CEIL	25.6	25.9	26.0	26.3	26.3	26.5	26.6	26.8	26.8	26.8	26.8	26.8	2
GE 20000	30.1	30.4	30.6	31.3	31.3	31.4	31.5	31.7	31.7	31.8	31.8	31.8	3
GE 18000	31.1	31.4	31.6	32.3	32.3	32.4	32.5	32.7	32.7	32.8	32.8	32.8	3
GE 16000	31.2	31.5	31.7	32.4	32.4	32.5	32.6	32.8	32.8	32.9	32.9	32.9	3
GE 14000	32.0	32.4	32.6	33.2	33.2	33.3	33.4	33.7	33.7	33.8	33.8	33.8	3
GE 12000	34.2	34.5	34.8	35.5	35.5	35.6	35.7	35.9	35.9	36.0	36.0	36.0	3
GE 10000	36.7	37.0	37.3	38.0	38.0	38.1	38.2	38.4	38.4	38.5	38.5	38.5	3
GE 9000	36.8	37.1	37.4	38.1	38.1	38.2	38.3	38.5	38.5	38.6	38.6	38.6	3
GE 8000	38.9	39.2	39.6	40.2	40.3	40.4	40.5	40.8	40.8	40.9	40.9	40.9	4
GE 7000	39.9	40.2	40.5	41.3	41.5	41.6	41.7	41.9	41.9	42.0	42.0	42.0	4
GE 6000	40.9	41.2	41.8	42.6	42.8	42.9	43.0	43.2	43.2	43.3	43.3	43.3	4
GE 5000	41.2	41.5	42.2	42.9	43.3	43.4	43.5	43.8	43.8	44.0	44.0	44.0	4
GE 4500	41.4	41.7	42.4	43.1	43.7	43.8	43.9	44.1	44.1	44.3	44.3	44.3	4
GE 4000	42.7	43.0	43.7	44.4	45.1	45.2	45.4	45.8	45.8	46.0	46.0	46.0	4
GE 3500	44.0	44.4	45.1	45.8	46.5	46.6	46.8	47.2	47.2	47.4	47.4	47.4	4
GE 3000	45.8	46.2	47.0	47.7	48.5	48.6	48.8	49.2	49.2	49.5	49.5	49.5	4
GE 2500	50.3	50.9	51.9	52.7	53.4	53.5	54.0	54.4	54.4	54.6	54.7	54.7	5
GE 2000	55.3	56.0	57.8	58.7	59.9	60.1	61.1	61.6	61.6	62.2	62.5	62.5	6
GE 1800	58.7	59.5	61.7	62.6	64.0	64.2	65.2	65.7	65.7	66.2	66.6	66.6	6
GE 1500	62.8	63.8	66.3	67.2	69.0	69.5	70.8	71.6	71.9	72.5	73.1	73.1	7
GE 1200	66.0	67.4	70.8	71.6	73.9	74.4	76.2	77.2	77.5	78.1	78.8	78.8	7
GE 1000	67.8	69.2	72.8	73.9	76.2	76.8	78.8	79.8	80.2	80.9	81.6	81.6	8
GE 900	68.3	69.8	73.4	74.5	77.0	77.6	79.8	80.8	81.4	82.3	83.0	83.1	8
GE 800	68.7	70.3	74.0	75.1	77.5	78.3	80.5	81.6	82.6	83.7	84.7	84.8	8
GE 700	68.9	70.8	74.4	75.5	78.2	79.2	81.8	83.5	84.6	85.9	87.1	87.3	8
GE 600	69.0	70.9	74.7	75.9	78.9	80.0	82.7	84.5	86.3	87.7	89.0	89.2	8
GE 500	69.0	70.9	74.7	76.0	79.4	80.4	83.5	85.4	88.0	89.6	91.4	91.7	9
GE 400	69.0	70.9	74.8	76.1	79.5	80.5	83.8	86.5	89.4	91.4	93.2	93.7	9
GE 300	69.0	70.9	74.8	76.1	79.5	80.5	83.9	87.3	90.9	92.9	95.4	95.8	9
GE 200	69.0	70.9	74.8	76.1	79.5	80.5	83.9	87.3	91.0	93.1	95.7	96.1	9
GE 100	69.0	70.9	74.8	76.1	79.5	80.5	83.9	87.3	91.3	93.4	96.0	96.5	9
GE 000	69.0	70.9	74.8	76.1	79.5	80.5	83.9	87.3	91.3	93.4	96.0	96.5	9

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
ST TO UTC: + 5 — MONTH: DEC HOURS: 15-17

	VISIBILITY IN STATUTE MILES												
	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
0	26.3	26.3	26.5	26.6	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
6	31.3	31.3	31.4	31.5	31.7	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8
6	32.3	32.3	32.4	32.5	32.7	32.7	32.8	32.8	32.8	32.8	32.8	32.8	32.8
7	32.4	32.4	32.5	32.6	32.8	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9
0	33.2	33.2	33.3	33.4	33.7	33.7	33.8	33.8	33.8	33.8	33.8	33.8	33.8
4	35.5	35.5	35.6	35.7	35.9	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0
3	38.0	38.0	38.1	38.2	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5
4	38.1	38.1	38.2	38.3	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6
5	40.2	40.3	40.4	40.5	40.8	40.8	40.9	40.9	40.9	40.9	40.9	40.9	40.9
5	41.3	41.5	41.6	41.7	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0
7	42.6	42.8	42.9	43.0	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3
2	42.9	43.3	43.4	43.5	43.8	43.8	44.0	44.0	44.0	44.0	44.0	44.0	44.0
4	43.1	43.7	43.8	43.9	44.1	44.1	44.3	44.3	44.3	44.3	44.3	44.3	44.3
7	44.4	45.1	45.2	45.4	45.8	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0
1	46.8	46.5	46.6	46.8	47.2	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4
0	47.7	48.5	48.6	48.8	49.2	49.2	49.5	49.5	49.5	49.5	49.5	49.5	49.5
9	52.7	53.4	53.5	54.0	54.4	54.4	54.6	54.7	54.7	54.7	54.7	54.7	54.7
4	58.7	59.9	60.1	61.1	61.6	61.6	62.2	62.5	62.5	62.5	62.5	62.6	62.6
7	62.6	64.0	64.2	65.2	65.7	65.7	66.2	66.6	66.6	66.6	66.6	66.7	66.7
2	67.2	69.0	69.5	70.8	71.6	71.9	72.5	73.1	73.1	73.2	73.2	73.3	73.3
7	71.6	73.9	74.4	76.2	77.2	77.5	78.1	78.8	78.8	78.9	78.9	79.0	79.0
2	73.9	76.2	76.8	78.8	79.8	80.2	80.9	81.6	81.6	81.7	81.7	81.8	81.8
4	74.5	77.0	77.6	79.8	80.8	81.4	82.3	83.0	83.1	83.2	83.2	83.4	83.4
0	75.1	77.5	78.3	80.5	81.6	82.6	83.7	84.7	84.8	84.9	84.9	85.2	85.2
4	75.5	78.2	79.2	81.8	83.5	84.6	85.9	87.1	87.3	87.6	87.7	88.0	88.1
7	75.9	78.9	80.0	82.7	84.5	86.3	87.7	89.0	89.2	89.6	89.7	89.9	90.1
7	76.0	79.4	80.4	83.5	85.4	88.0	89.6	91.4	91.7	92.8	92.9	93.1	93.3
3	76.1	79.5	80.5	83.8	86.5	89.4	91.4	93.2	93.7	94.7	94.8	95.1	95.3
3	76.1	79.5	80.5	83.9	87.3	90.9	92.9	95.4	95.8	96.9	97.2	97.5	98.0
-	76.1	79.5	80.5	83.9	87.3	91.0	93.1	95.7	96.1	97.2	97.5	98.2	99.0
4	76.1	79.5	80.5	83.9	87.3	91.3	93.4	96.0	96.5	97.5	97.8	98.9	100.0
4	76.1	79.5	80.5	83.9	87.3	91.3	93.4	96.0	96.5	97.5	97.8	98.9	100.0

5 930

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VIS
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG
LST TO UTC: + 5 — MONTH: DEC — HOURS: 18

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8
NO CEIL	27.6	27.6	27.6	27.8	27.8	27.8	27.8	28.1	28.1	28.1	28.1	28.1
GE 20000	32.0	32.0	32.0	32.3	32.4	32.4	32.4	32.6	32.6	32.6	32.6	32.6
GE 18000	32.6	32.6	32.6	32.8	33.1	33.1	33.1	33.3	33.3	33.3	33.3	33.3
GE 16000	32.6	32.6	32.6	32.8	33.1	33.1	33.1	33.3	33.3	33.3	33.3	33.3
GE 14000	33.5	33.5	33.5	33.8	34.1	34.1	34.1	34.3	34.3	34.3	34.3	34.3
GE 12000	34.5	34.6	34.7	34.9	35.3	35.3	35.3	35.5	35.5	35.5	35.5	35.5
GE 10000	36.3	36.5	36.6	36.8	37.1	37.1	37.1	37.3	37.3	37.3	37.3	37.3
GE 9000	36.9	37.0	37.1	37.3	37.6	37.6	37.6	37.8	37.8	37.8	37.8	37.8
GE 8000	38.1	38.2	38.3	38.5	38.8	38.8	38.8	39.0	39.0	39.0	39.0	39.0
GE 7000	38.8	38.9	39.1	39.6	40.0	40.0	40.0	40.2	40.2	40.2	40.2	40.2
GE 6000	39.6	39.7	39.9	40.4	40.9	40.9	40.9	41.1	41.1	41.1	41.1	41.1
GE 5000	41.0	41.1	41.4	41.9	42.5	42.5	42.5	42.7	42.7	42.7	42.7	42.7
GE 4500	41.5	41.8	42.2	42.7	43.2	43.2	43.2	43.4	43.4	43.4	43.4	43.4
GE 4000	43.0	43.3	43.7	44.2	44.7	44.7	44.9	45.2	45.3	45.3	45.3	45.3
GE 3500	43.9	44.2	44.5	45.1	45.6	45.6	45.8	46.0	46.1	46.1	46.1	46.1
GE 3000	46.8	47.1	47.4	48.1	48.6	48.6	48.9	49.2	49.4	49.4	49.4	49.4
GE 2500	51.6	51.9	52.3	52.9	53.7	53.7	54.0	54.3	54.8	54.9	54.9	54.9
GE 2000	58.3	58.7	59.4	60.2	61.3	61.3	62.0	62.5	63.0	63.3	63.3	63.3
GE 1800	61.2	61.6	62.4	63.3	64.5	64.5	65.5	66.0	66.6	56.9	66.9	66.9
GE 1500	65.6	66.0	66.9	68.0	69.2	69.6	71.0	71.9	72.6	72.9	73.0	73.0
GE 1200	68.8	69.2	70.4	71.6	73.2	73.5	75.2	76.1	76.9	77.2	77.4	77.4
GE 1000	70.5	71.1	72.3	73.7	75.8	76.1	78.1	79.1	80.1	80.6	80.9	80.9
GE 900	71.2	71.9	73.2	74.7	77.1	77.4	79.4	81.0	81.9	82.5	82.7	82.7
GE 800	71.6	72.5	73.8	75.5	78.0	78.3	80.4	82.3	83.5	84.3	84.9	84.9
GE 700	72.2	73.0	74.3	76.0	78.6	78.9	81.4	83.9	85.4	86.1	87.1	87.2
GE 600	72.3	73.1	74.4	76.2	79.1	79.5	82.3	85.1	86.8	87.7	89.0	89.1
GE 500	72.3	73.1	74.5	76.5	79.6	80.1	83.1	86.2	88.3	89.8	91.1	91.2
GE 400	72.4	73.2	74.7	76.7	79.8	80.5	83.9	87.4	90.1	91.8	93.4	93.8
GE 300	72.4	73.2	74.7	76.7	79.8	80.5	84.2	88.0	90.9	93.0	94.9	95.3
GE 200	72.4	73.2	74.7	76.7	79.8	80.5	84.2	88.2	91.3	93.8	95.9	96.2
GE 100	72.4	73.2	74.7	76.7	79.8	80.5	84.2	88.2	91.3	94.0	96.3	96.7
GE 000	72.4	73.2	74.7	76.7	79.8	80.5	84.2	88.2	91.3	94.0	96.3	96.7

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: DEC HOURS: 18-20

VISIBILITY IN STATUTE MILES												
GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
27.8	27.8	27.8	27.8	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
32.3	32.4	32.4	32.4	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
32.8	33.1	33.1	33.1	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
32.3	33.1	33.1	33.1	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
33.8	34.1	34.1	34.1	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3	34.3
34.9	35.3	35.3	35.3	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
36.8	37.1	37.1	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
37.3	37.6	37.6	37.6	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
38.5	38.8	38.8	38.8	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
39.6	40.0	40.0	40.0	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
40.4	40.9	40.9	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
41.9	42.5	42.5	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
42.7	43.2	43.2	43.2	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
44.2	44.7	44.7	44.9	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
45.1	45.6	45.6	45.8	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
48.1	48.6	48.6	48.9	49.2	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
52.9	53.7	53.7	54.0	54.3	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9
60.2	61.3	61.3	62.0	62.5	63.0	63.3	63.3	63.3	63.3	63.3	63.3	63.3
63.3	64.5	64.5	65.5	66.0	66.6	66.9	66.9	66.9	66.9	66.9	66.9	66.9
68.0	69.2	69.6	71.0	71.9	72.6	72.9	73.0	73.0	73.0	73.0	73.0	73.0
71.6	73.2	73.5	75.2	76.1	76.9	77.2	77.4	77.4	77.4	77.4	77.4	77.4
73.7	75.8	76.1	78.1	79.1	80.1	80.6	80.9	80.9	80.9	80.9	80.9	80.9
74.7	77.1	77.4	79.4	81.0	81.9	82.5	82.7	82.7	82.8	82.8	82.8	82.8
75.5	78.0	78.3	80.4	82.3	83.5	84.3	84.9	84.9	85.1	85.1	85.1	85.1
76.0	78.6	78.9	81.4	83.9	85.4	86.1	87.1	87.2	87.3	87.4	87.4	87.4
76.2	79.1	79.5	82.3	85.1	86.8	87.7	89.0	89.1	89.4	89.5	89.5	89.5
76.5	79.6	80.1	83.1	86.2	88.3	89.8	91.1	91.2	91.4	91.6	91.6	91.6
76.7	79.8	80.5	83.9	87.4	90.1	91.8	93.4	93.8	94.2	94.4	94.4	94.4
76.7	79.8	80.5	84.2	88.0	90.9	93.0	94.9	95.3	96.1	96.3	96.3	96.9
76.7	79.8	80.5	84.2	88.2	91.3	93.8	95.9	96.2	97.3	97.6	98.0	98.9
76.7	79.8	80.5	84.2	88.2	91.3	94.0	96.3	96.7	97.8	98.2	98.8	100.0
76.7	79.8	80.5	84.2	88.2	91.3	94.0	96.3	96.7	97.8	98.2	98.8	100.0

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OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBI
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	26.1	26.2	26.3	26.3	26.6	26.6	26.7	26.8	26.8	26.8	26.8	26.8	26.
GE 20000	29.5	29.6	29.7	29.7	29.9	29.9	30.0	30.1	30.1	30.1	30.1	30.1	30.
GE 18000	29.9	30.0	30.1	30.1	30.3	30.3	30.4	30.5	30.5	30.5	30.5	30.5	30.
GE 16000	30.0	30.1	30.2	30.2	30.4	30.4	30.5	30.6	30.6	30.6	30.6	30.6	30.
GE 14000	30.4	30.5	30.6	30.6	30.9	30.9	31.0	31.1	31.1	31.1	31.1	31.1	31.
GE 12000	31.2	31.3	31.4	31.4	31.6	31.6	31.7	31.8	31.8	31.8	31.8	31.8	31.
GE 10000	33.9	34.0	34.1	34.1	34.4	34.4	34.5	34.6	34.6	34.6	34.6	34.6	34.
GE 9000	34.1	34.2	34.3	34.3	34.6	34.6	34.7	34.8	34.8	34.8	34.8	34.8	34.
GE 8000	34.8	34.9	35.1	35.1	35.6	35.6	35.8	35.9	35.9	35.9	35.9	35.9	35.
GE 7000	35.6	35.7	35.8	35.9	36.5	36.5	36.7	36.8	36.8	36.8	36.8	36.8	36.
GE 6000	35.7	35.8	35.9	36.0	36.6	36.6	36.9	37.0	37.0	37.0	37.0	37.0	37.
GE 5000	37.7	37.8	38.1	38.2	38.7	38.7	39.0	39.1	39.1	39.1	39.1	39.1	39.
GE 4500	38.3	38.4	38.6	38.7	39.6	39.6	39.9	40.0	40.0	40.0	40.1	40.1	40.
GE 4000	40.4	40.5	40.8	40.9	41.7	41.7	42.0	42.2	42.2	42.2	42.3	42.3	42.
GE 3500	42.2	42.3	42.6	42.8	43.7	43.7	44.3	44.4	44.4	44.4	44.5	44.5	44.
GE 3000	44.1	44.2	44.6	45.1	46.2	46.3	47.1	47.2	47.2	47.2	47.3	47.3	47.
GE 2500	49.7	49.9	50.9	51.4	53.0	53.4	54.2	54.5	54.5	54.6	54.7	54.7	54.
GE 2000	56.7	56.9	58.3	58.8	60.9	61.3	62.7	63.2	63.3	63.5	63.7	63.7	63.
GE 1800	59.4	59.6	61.1	61.6	63.8	64.2	65.9	66.6	66.7	66.9	67.0	67.0	67.
GE 1500	63.9	64.3	66.0	66.6	69.1	69.6	71.7	72.6	72.7	73.0	73.3	73.3	73.
GE 1200	65.9	66.3	68.1	68.7	71.7	72.4	74.5	75.4	75.5	75.9	76.2	76.2	76.
GE 1000	66.9	67.3	69.4	70.4	73.4	74.1	76.5	77.3	77.4	77.8	78.2	78.2	78.
GE 900	67.5	68.0	70.1	71.2	74.7	75.4	78.0	78.9	79.0	79.5	79.8	79.8	79.
GE 800	67.8	68.3	70.6	71.8	75.5	76.1	78.9	80.0	80.6	81.2	81.9	81.9	82.
GE 700	68.2	68.7	71.1	72.4	76.1	76.8	80.1	81.7	82.9	84.1	84.8	84.8	84.
GE 600	68.7	69.4	71.7	73.1	77.4	78.1	81.6	83.5	84.9	86.5	87.7	87.7	87.
GE 500	69.8	69.5	72.2	73.7	78.1	78.8	82.8	84.9	87.0	88.9	90.3	90.4	90.
GE 400	68.9	69.6	72.5	74.0	78.4	79.5	83.4	85.6	87.7	89.7	91.3	91.4	91.
GE 300	68.9	69.6	72.5	74.0	78.7	79.9	84.6	87.1	89.8	92.0	94.0	94.1	94.
GE 200	68.9	69.6	72.5	74.0	78.7	79.9	84.6	87.1	90.2	93.3	95.6	95.8	96.
GE 100	68.9	69.6	72.5	74.0	78.7	79.9	84.6	87.1	90.2	93.5	96.0	96.2	97.
GE 000	68.9	69.6	72.5	74.0	78.7	79.9	84.6	87.1	90.2	93.5	96.0	96.2	97.

TOTAL NUMBER OF OBSERVATIONS 930

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 — MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES: GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
.3	26.6	26.6	26.7	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8	26.8
.7	29.9	29.9	30.0	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
.1	30.3	30.3	30.4	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
.2	30.4	30.4	30.5	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
.0	30.9	30.9	31.0	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
.4	31.6	31.6	31.7	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8	31.8
.1	34.4	34.4	34.5	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
.3	34.6	34.6	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
.1	35.6	35.6	35.8	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
.9	36.5	36.5	36.7	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
.0	36.6	36.6	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
.2	38.7	38.7	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
.7	39.6	39.6	39.9	40.0	40.0	40.0	40.1	40.1	40.1	40.1	40.1	40.1
.9	41.7	41.7	42.0	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3	42.3
.5	43.7	43.7	44.3	44.4	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5
.1	46.2	46.3	47.1	47.2	47.2	47.2	47.3	47.3	47.3	47.3	47.3	47.3
.4	53.0	53.4	54.2	54.5	54.5	54.6	54.7	54.7	54.7	54.7	54.7	54.7
.8	60.9	61.3	62.7	63.2	63.3	63.5	63.7	63.7	63.7	63.7	63.7	63.7
.5	63.8	64.2	65.9	66.6	66.7	66.9	67.0	67.0	67.0	67.0	67.0	67.0
.5	69.1	69.6	71.7	72.6	72.7	73.0	73.3	73.3	73.4	73.4	73.4	73.4
.7	71.7	72.4	74.5	75.4	75.5	75.9	76.2	76.2	76.3	76.3	76.5	76.5
.4	73.4	74.1	76.5	77.3	77.4	77.8	78.2	78.2	78.3	78.3	78.4	78.4
.3	74.7	75.4	78.0	78.9	79.0	79.5	79.8	79.8	79.9	79.9	80.0	80.0
.3	75.5	76.1	78.9	80.0	80.6	81.2	81.9	81.9	82.0	82.0	82.2	82.2
.4	76.1	76.8	80.1	81.7	82.9	84.1	84.8	84.8	84.9	84.9	85.1	85.1
.1	77.4	78.1	81.6	83.5	84.9	86.5	87.7	87.7	87.8	87.8	88.0	88.0
.7	78.1	78.8	82.8	84.9	87.0	88.9	90.3	90.4	90.6	90.6	90.8	90.8
.9	78.4	79.5	83.4	85.6	87.7	89.7	91.3	91.4	91.7	91.7	91.8	91.8
.9	78.7	79.9	84.6	87.1	89.8	92.0	94.0	94.1	94.8	94.9	95.2	95.6
.9	78.7	79.9	84.6	87.1	90.2	93.3	95.6	95.8	96.8	97.0	97.5	98.7
.0	78.7	79.9	84.6	87.1	90.2	93.5	96.0	96.2	97.2	97.4	98.4	100.0
.0	78.7	79.9	84.6	87.1	90.2	93.5	96.0	96.2	97.2	97.4	98.4	100.0

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILIT
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	26.1	26.3	26.5	26.7	26.9	26.9	27.0	27.2	27.2	27.3	27.3	27.3	27.3
GE 20000	29.4	29.5	29.8	30.0	30.2	30.2	30.4	30.5	30.6	30.6	30.6	30.6	30.7
GE 18000	29.9	30.0	30.3	30.5	30.7	30.8	30.9	31.0	31.1	31.2	31.2	31.2	31.2
GE 16000	30.1	30.2	30.4	30.7	30.9	30.9	31.0	31.2	31.2	31.3	31.3	31.3	31.3
GE 14000	30.7	30.8	31.1	31.3	31.5	31.6	31.7	31.8	31.9	32.0	32.0	32.0	32.0
GE 12000	31.6	31.7	32.1	32.3	32.5	32.5	32.7	32.8	32.8	32.9	32.9	32.9	32.9
GE 10000	33.4	33.6	33.9	34.1	34.3	34.4	34.5	34.7	34.7	34.8	34.8	34.8	34.8
GE 9000	33.8	33.9	34.2	34.4	34.7	34.7	34.9	35.0	35.1	35.1	35.2	35.2	35.2
GE 8000	35.1	35.3	35.6	35.8	36.1	36.2	36.3	36.5	36.5	36.6	36.6	36.6	36.6
GE 7000	35.9	36.0	36.4	36.7	37.0	37.1	37.3	37.4	37.5	37.6	37.6	37.6	37.6
GE 6000	36.3	36.5	36.9	37.2	37.5	37.6	37.8	37.9	38.0	38.1	38.1	38.1	38.1
GE 5000	37.7	37.9	38.3	38.7	39.0	39.1	39.3	39.5	39.6	39.6	39.7	39.7	39.7
GE 4500	38.3	38.5	39.0	39.3	39.7	39.9	40.1	40.2	40.3	40.4	40.4	40.4	40.5
GE 4000	40.0	40.2	40.7	41.1	41.5	41.7	42.0	42.2	42.3	42.4	42.4	42.4	42.4
GE 3500	41.0	41.3	41.8	42.3	42.7	42.9	43.3	43.5	43.6	43.7	43.7	43.7	43.7
GE 3000	43.1	43.4	44.0	44.5	45.3	45.4	45.9	46.1	46.2	46.3	46.3	46.3	46.4
GE 2500	47.7	48.1	49.0	49.5	50.5	50.8	51.4	51.7	51.9	52.1	52.1	52.1	52.2
GE 2000	53.9	54.2	55.7	56.4	57.8	58.2	59.4	59.9	60.3	60.6	60.7	60.7	60.7
GE 1800	56.7	57.2	58.8	59.6	61.2	61.6	63.0	63.6	64.0	64.4	64.4	64.4	64.5
GE 1500	61.8	62.4	64.5	65.4	67.4	67.9	69.8	70.6	71.3	71.7	71.8	71.8	71.9
GE 1200	64.1	64.8	67.4	68.4	70.7	71.3	73.4	74.5	75.1	75.6	75.8	75.9	76.0
GE 1000	65.5	66.2	69.0	70.3	72.7	73.3	75.7	77.0	77.8	78.4	78.8	78.8	78.9
GE 900	66.2	67.0	69.9	71.2	73.8	74.4	77.1	78.5	79.4	80.1	80.5	80.5	80.7
GE 800	66.6	67.5	70.5	71.9	74.7	75.4	78.3	79.9	81.3	82.1	82.8	82.8	83.0
GE 700	67.0	68.0	71.0	72.6	75.6	76.4	79.8	81.9	83.7	84.8	85.6	85.7	86.0
GE 600	67.3	68.3	71.5	73.1	76.5	77.3	81.2	83.5	85.6	86.9	88.0	88.1	88.5
GE 500	67.4	68.5	71.8	73.5	77.2	78.1	82.2	84.8	87.3	88.9	90.3	90.6	91.3
GE 400	67.5	68.7	72.1	73.8	77.6	78.6	82.9	85.8	88.5	90.4	91.9	92.2	93.1
GE 300	67.5	68.7	72.1	73.8	77.7	78.8	83.3	86.6	89.9	92.0	93.9	94.2	95.3
GE 200	67.6	68.7	72.1	73.8	77.8	78.8	83.5	86.9	90.3	92.7	95.0	95.4	96.7
GE 100	67.6	68.7	72.1	73.8	77.8	78.8	83.5	86.9	90.4	92.9	95.2	95.6	97.0
GE 000	67.6	68.7	72.1	73.8	77.8	78.8	83.5	86.9	90.4	92.9	95.2	95.6	97.0

TOTAL NUMBER OF OBSERVATIONS 7440

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 — MONTH: DEC HOURS: ALL

CEILING	VISIBILITY IN STATUTE MILES											
	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
.7	26.9	26.9	27.0	27.2	27.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3
.0	30.2	30.2	30.4	30.5	30.6	30.6	30.6	30.6	30.7	30.7	30.7	30.7
.5	30.7	30.8	30.9	31.0	31.1	31.2	31.2	31.2	31.2	31.2	31.2	31.2
.7	30.9	30.9	31.0	31.2	31.2	31.3	31.3	31.3	31.3	31.3	31.4	31.4
.5	31.5	31.6	31.7	31.8	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0
.3	32.5	32.5	32.7	32.8	32.8	32.9	32.9	32.9	32.9	32.9	33.0	33.0
.1	34.3	34.4	34.5	34.7	34.7	34.8	34.8	34.8	34.8	34.8	34.9	34.9
.4	34.7	34.7	34.9	35.0	35.1	35.1	35.2	35.2	35.2	35.2	35.2	35.2
.3	36.1	36.2	36.3	36.5	36.5	36.6	36.6	36.6	36.6	36.6	36.7	36.7
.7	37.0	37.1	37.3	37.4	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6
.2	37.5	37.6	37.8	37.9	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1
.7	39.0	39.1	39.3	39.5	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7
.3	39.7	39.9	40.1	40.2	40.3	40.4	40.4	40.4	40.5	40.5	40.5	40.5
.1	41.5	41.7	42.0	42.2	42.3	42.4	42.4	42.4	42.4	42.4	42.5	42.5
.3	42.7	42.9	43.3	43.5	43.6	43.7	43.7	43.7	43.7	43.7	43.8	43.8
.9	45.3	45.4	45.9	46.1	46.2	46.3	46.3	46.3	46.4	46.4	46.4	46.4
.9	50.5	50.8	51.4	51.7	51.9	52.1	52.1	52.1	52.2	52.2	52.2	52.2
.4	57.8	58.2	59.4	59.9	60.3	60.6	60.7	60.7	60.7	60.7	60.8	60.8
.5	61.2	61.6	63.0	63.6	64.0	64.4	64.4	64.4	64.5	64.5	64.5	64.5
.4	67.4	67.9	69.8	70.6	71.3	71.7	71.8	71.8	71.9	71.9	72.0	72.0
.4	70.7	71.3	73.4	74.5	75.1	75.6	75.8	75.9	76.0	76.0	76.0	76.0
.3	72.7	73.3	75.7	77.0	77.8	78.4	78.8	78.8	78.9	78.9	79.0	79.0
.2	73.8	74.4	77.1	78.5	79.4	80.1	80.5	80.5	80.7	80.7	80.8	80.8
.9	74.7	75.4	78.3	79.9	81.3	82.1	82.8	82.8	83.0	83.0	83.2	83.2
.5	75.6	76.4	79.8	81.9	83.7	84.8	85.6	85.7	86.0	86.2	86.4	86.4
.1	76.5	77.3	81.2	83.5	85.6	86.9	88.0	88.1	88.5	88.6	88.8	88.9
.5	77.2	78.1	82.2	84.8	87.3	88.9	90.3	90.6	91.3	91.4	91.7	91.8
.3	77.6	78.6	82.9	85.8	88.5	90.4	91.9	92.2	93.1	93.3	93.6	93.8
.3	77.7	78.8	83.3	86.6	89.9	92.0	93.9	94.2	95.3	95.6	96.0	96.4
.4	77.8	78.8	83.5	86.9	90.3	92.7	95.0	95.4	96.7	97.2	97.8	98.6
.4	77.8	78.8	83.5	86.9	90.4	92.9	95.2	95.6	97.0	97.6	98.6	100.0
.4	77.8	78.8	83.5	86.9	90.4	92.9	95.2	95.6	97.0	97.6	98.7	100.0

OPERATING LOCATION "A" — PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBIL
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 — MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES												
	GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2
NO CEIL	38.9	39.3	39.8	40.1	40.5	40.6	40.7	40.8	40.9	41.0	41.0	41.0	41.1
GE 20000	43.9	44.4	45.0	45.3	45.8	45.9	46.0	46.2	46.2	46.3	46.4	46.4	46.4
GE 18000	44.2	44.7	45.3	45.7	46.2	46.3	46.4	46.6	46.6	46.7	46.8	46.8	46.8
GE 16000	44.4	44.9	45.5	45.8	46.3	46.4	46.5	46.7	46.8	46.8	46.9	46.9	47.0
GE 14000	45.2	45.7	46.3	46.7	47.1	47.3	47.4	47.6	47.6	47.7	47.8	47.8	47.8
GE 12000	46.4	46.9	47.6	47.9	48.5	48.6	48.8	48.9	49.0	49.1	49.1	49.1	49.2
GE 10000	48.7	49.2	50.0	50.4	50.9	51.1	51.2	51.4	51.5	51.5	51.6	51.6	51.7
GE 9000	49.2	49.8	50.5	50.9	51.5	51.6	51.8	52.0	52.0	52.1	52.2	52.2	52.2
GE 8000	51.3	51.8	52.7	53.1	53.7	53.9	54.1	54.3	54.3	54.4	54.5	54.5	54.5
GE 7000	52.4	53.0	53.9	54.3	55.0	55.1	55.4	55.6	55.6	55.7	55.8	55.8	55.8
GE 6000	53.3	53.9	54.8	55.3	56.0	56.1	56.4	56.6	56.7	56.7	56.8	56.8	56.9
GE 5000	55.1	55.8	56.8	57.4	58.1	58.3	58.6	58.8	58.9	59.0	59.0	59.0	59.1
GE 4500	56.1	56.9	57.9	58.5	59.3	59.5	59.8	60.0	60.1	60.2	60.2	60.2	60.3
GE 4000	58.2	59.0	60.2	60.8	61.8	62.0	62.3	62.6	62.7	62.8	62.8	62.9	62.9
GE 3500	59.6	60.4	61.6	62.3	63.3	63.5	63.9	64.1	64.3	64.4	64.4	64.4	64.5
GE 3000	61.8	62.6	63.9	64.7	65.8	66.0	66.5	66.8	66.9	67.0	67.0	67.1	67.1
GE 2500	64.4	65.3	66.8	67.6	69.9	69.2	69.7	70.0	70.2	70.3	70.4	70.4	70.5
GE 2000	67.7	68.7	70.4	71.4	72.9	73.3	74.0	74.5	74.7	74.9	75.0	75.0	75.1
GE 1800	68.9	69.9	71.7	72.7	74.4	74.8	75.6	76.1	76.3	76.5	76.6	76.6	76.7
GE 1500	71.2	72.3	74.4	75.5	77.4	77.9	78.9	79.6	79.9	80.2	80.4	80.4	80.5
GE 1200	72.8	73.9	76.2	77.4	79.5	80.0	81.2	82.0	82.4	82.7	82.9	83.0	83.1
GE 1000	73.8	75.0	77.4	78.7	81.0	81.5	82.9	83.8	84.3	84.6	84.9	85.0	85.2
GE 900	74.3	75.6	78.1	79.5	81.9	82.5	83.9	84.9	85.4	85.8	86.1	86.2	86.4
GE 800	74.8	76.1	78.7	80.2	82.7	83.3	84.9	86.0	86.5	87.1	87.5	87.5	87.7
GE 700	75.2	76.5	79.2	80.8	83.5	84.2	85.9	87.1	87.8	88.4	88.9	88.9	89.2
GE 600	75.5	76.8	79.6	81.3	84.3	85.1	86.9	88.3	89.2	89.8	90.3	90.4	90.7
GE 500	75.7	77.1	80.1	81.9	85.1	86.0	88.1	89.8	90.8	91.6	92.3	92.4	92.8
GE 400	75.9	77.3	80.3	82.2	85.5	86.5	89.0	90.9	92.1	93.0	93.8	94.0	94.4
GE 300	75.9	77.4	80.5	82.4	85.9	86.9	89.6	91.8	93.4	94.5	95.5	95.7	96.3
GE 200	75.9	77.4	80.5	82.4	86.0	87.1	89.8	92.2	94.0	95.3	96.5	96.7	97.6
GE 100	75.9	77.4	80.5	82.4	86.0	87.1	89.8	92.2	94.0	95.4	96.6	96.9	97.8
GE 000	75.9	77.4	80.5	82.4	86.0	87.1	89.8	92.2	94.0	95.4	96.6	96.9	97.8

TOTAL NUMBER OF OBSERVATIONS: 87667

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

ION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: ALL HOURS: ALL

VISIBILITY IN STATUTE MILES

GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
40.1	40.5	40.6	40.7	40.8	40.9	41.0	41.0	41.0	41.1	41.1	41.1	41.1
45.3	45.8	45.9	46.0	46.2	46.2	46.3	46.4	46.4	46.4	46.4	46.5	46.5
45.7	46.2	46.3	46.4	46.6	46.6	46.7	46.8	46.8	46.8	46.8	46.9	46.9
45.3	46.3	46.4	46.6	46.7	46.8	46.8	46.9	46.9	47.0	47.0	47.0	47.0
46.7	47.1	47.3	47.4	47.6	47.6	47.7	47.8	47.8	47.8	47.8	47.9	47.9
47.9	48.5	48.6	48.8	48.9	49.0	49.1	49.1	49.1	49.2	49.2	49.2	49.3
50.4	50.9	51.1	51.2	51.4	51.5	51.5	51.6	51.6	51.7	51.7	51.7	51.8
50.9	51.5	51.6	51.8	52.0	52.0	52.1	52.2	52.2	52.2	52.2	52.3	52.3
53.1	53.7	53.9	54.1	54.3	54.3	54.4	54.5	54.5	54.5	54.6	54.6	54.6
54.3	55.0	55.1	55.4	55.6	55.6	55.7	55.8	55.8	55.8	55.9	55.9	55.9
55.3	56.0	56.1	56.4	56.6	56.7	56.7	56.8	56.8	56.9	56.9	56.9	57.0
57.4	58.1	58.3	58.6	58.8	58.9	59.0	59.0	59.0	59.1	59.1	59.2	59.2
58.5	59.3	59.5	59.8	60.0	60.1	60.2	60.2	60.2	60.3	60.3	60.4	60.4
60.8	61.8	62.0	62.3	62.5	62.7	62.8	62.8	62.9	62.9	62.9	63.0	63.0
62.3	63.3	63.5	63.9	64.1	64.3	64.4	64.4	64.4	64.5	64.5	64.6	64.6
64.7	65.8	66.0	66.5	66.8	66.9	67.0	67.0	67.1	67.1	67.2	67.2	67.2
67.6	69.9	69.2	69.7	70.0	70.2	70.3	70.4	70.4	70.5	70.5	70.6	70.6
71.4	72.9	73.3	74.0	74.5	74.7	74.9	75.0	75.0	75.1	75.2	75.2	75.2
72.7	74.4	74.8	75.6	76.1	76.3	76.5	76.6	76.6	76.7	76.8	76.8	76.9
75.5	77.4	77.9	78.9	79.6	79.9	80.2	80.4	80.4	80.5	80.6	80.6	80.7
77.4	79.5	80.0	81.2	82.0	82.4	82.7	82.9	83.0	83.1	83.2	83.2	83.3
79.7	81.0	81.5	82.9	83.8	84.3	84.6	84.9	85.0	85.2	85.3	85.3	85.4
79.5	81.9	82.5	83.9	84.9	85.4	85.8	86.1	86.2	86.4	86.4	86.5	86.6
80.2	82.7	83.3	84.9	86.0	86.6	87.1	87.5	87.5	87.7	87.8	87.9	88.0
80.8	83.5	84.2	85.9	87.1	87.8	88.4	88.9	88.9	89.2	89.3	89.4	89.5
81.3	84.3	85.1	86.9	88.3	89.2	89.8	90.3	90.4	90.7	90.9	91.0	91.1
81.9	85.1	86.0	88.1	89.8	90.8	91.6	92.3	92.4	92.8	93.0	93.1	93.3
82.2	85.5	86.5	89.0	90.9	92.1	93.0	93.8	94.0	94.4	94.6	94.9	95.0
82.4	85.9	86.9	89.6	91.8	93.4	94.5	95.5	95.7	96.3	96.6	96.9	97.1
82.4	86.0	87.1	89.8	92.2	94.0	95.3	96.5	96.7	97.6	98.0	98.6	99.0
82.4	86.0	87.1	89.8	92.2	94.0	95.4	96.6	96.9	97.8	98.3	99.1	99.9
82.4	86.0	87.1	89.8	92.2	94.0	95.4	96.6	96.9	97.8	98.3	99.1	100.0

47657

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: JAN HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	14.6	14.3	15.5	47.7	7.8	71.1	8.3	930
03-05	13.5	14.8	14.2	50.4	7.0	71.6	7.1	930
06-08	8.9	16.6	18.9	47.2	8.4	74.5	7.6	930
09-11	3.0	20.6	23.9	43.8	8.7	76.3	10.0	930
12-14	3.1	21.0	27.5	40.2	8.2	75.9	7.2	930
15-17	2.2	22.7	26.2	42.0	6.9	75.2	5.9	930
18-20	7.3	20.6	21.8	42.4	7.8	72.0	6.1	930
21-23	12.8	14.7	16.9	47.1	8.5	72.5	6.8	930
ALL HOURS	8.0	18.0	20.0	45.0	7.0	73.0	7.0	7440

MONTH: FEB HOURS: ALL

00-02	16.6	14.8	14.8	46.4	7.3	68.6	5.8	849
03-05	15.0	16.6	17.0	43.2	8.2	68.4	7.7	849
06-08	9.8	19.3	20.5	41.2	9.2	70.9	6.6	849
09-11	3.2	19.6	27.8	39.8	9.7	77.3	7.7	849
12-14	2.2	19.4	30.0	42.2	6.1	78.3	7.9	849
15-17	1.9	20.3	30.7	42.3	4.8	77.9	5.3	849
18-20	3.4	25.6	22.6	43.9	4.5	71.0	4.8	849
21-23	11.1	22.0	15.9	45.7	5.3	66.9	6.5	849
ALL HOURS	7.9	19.7	22.4	43.1	6.9	72.4	6.6	6792

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: JAN HOURS:ALL

AIRWAY CLASSES					
BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
15.5	47.7	7.8	71.1	8.3	930
14.2	50.4	7.0	71.6	7.1	930
13.9	47.2	8.4	74.5	7.6	930
23.9	43.8	8.7	76.3	10.0	930
27.5	40.2	8.2	75.9	7.2	930
26.2	42.0	6.9	75.2	5.9	930
21.8	42.4	7.8	72.0	6.1	930
16.9	47.1	8.5	72.5	6.8	930
20.0	45.0	7.0	73.0	7.0	7440

MONTH: FEB HOURS: ALL

14.8	46.4	7.3	68.6	5.8	849
17.0	43.2	8.2	68.4	7.7	849
20.6	41.2	9.2	70.9	6.6	849
27.8	39.8	9.7	77.3	7.7	849
30.0	42.2	6.1	78.3	7.9	849
30.7	42.3	4.8	77.9	5.3	849
22.6	43.9	4.5	71.0	4.8	849
15.9	45.7	5.3	66.9	6.5	849
22.4	43.1	6.9	72.4	6.6	6792

OPERATING LOCATION "A" PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: MAR HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	21.0	15.4	14.7	41.6	7.3	63.7	5.2	930
03-05	17.8	15.5	14.2	43.8	8.7	66.7	5.7	930
06-08	8.4	22.2	19.0	42.0	8.4	69.5	8.1	930
09-11	5.5	19.7	25.9	40.4	8.5	74.8	8.7	930
12-14	3.1	22.7	25.2	42.9	6.1	74.2	6.0	930
15-17	3.1	25.3	23.4	41.7	6.5	71.6	4.9	930
18-20	4.7	27.7	19.0	41.5	7.0	67.5	4.3	930
21-23	19.0	21.1	13.4	39.0	7.4	59.9	4.2	930
ALL HOURS	10.0	21.0	19.0	41.0	7.0	68.0	5.0	7440

MONTH: APR HOURS: ALL

00-02	25.4	20.4	14.8	34.9	4.4	54.1	2.3	900
03-05	22.6	20.9	15.2	34.7	6.7	56.6	4.1	900
06-08	8.7	26.6	24.4	33.7	6.7	64.8	4.2	900
09-11	7.3	24.4	26.9	36.4	4.9	68.2	4.2	900
12-14	4.4	26.4	27.8	38.8	2.6	69.1	3.3	900
15-17	4.6	32.2	24.2	36.7	2.3	63.2	2.4	900
18-20	5.0	32.1	24.3	35.9	2.7	62.9	2.3	900
21-23	16.8	28.9	16.3	33.9	4.1	54.3	3.1	900
ALL HOURS	11.8	26.5	21.8	35.6	4.3	61.7	3.3	7200

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
LST TO UTC: + 5 — MONTH: MAR HOURS:ALL

	AIRWAY CLASSES					
TTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
5.4	14.7	41.6	7.3	63.7	5.2	930
5.5	14.2	43.8	8.7	66.7	5.7	930
2.2	19.0	42.0	8.4	69.5	8.1	930
9.7	25.9	40.4	8.5	74.8	8.7	930
7.7	25.2	42.9	6.1	74.2	6.0	930
3.3	23.4	41.7	6.5	71.6	4.9	930
7.7	19.0	41.5	7.0	67.5	4.3	930
1.1	13.4	39.0	7.4	59.9	4.2	930
1.0	19.0	41.0	7.0	68.0	5.0	7440

MONTH: APR HOURS: ALL

3.4	14.8	34.9	4.4	54.1	2.3	900
3.9	15.2	34.7	6.7	56.6	4.1	900
5.6	24.4	33.7	6.7	64.8	4.2	900
4.4	26.9	36.4	4.9	68.2	4.2	900
3.4	27.8	38.8	2.6	69.1	3.3	900
3.2	24.2	36.7	2.3	63.2	2.4	900
2.1	24.3	35.9	2.7	62.9	2.3	900
3.9	16.3	33.9	4.1	54.3	3.1	900
3.5	21.8	35.6	4.3	61.7	3.3	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: MAY HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	26.6	23.9	16.5	30.0	3.1	49.6	2.8	930
03-05	19.6	28.4	19.1	29.0	3.9	52.0	2.9	930
06-08	8.6	27.7	30.0	31.3	2.4	63.7	2.8	930
09-11	7.8	26.5	31.7	32.7	1.3	65.7	2.6	930
12-14	4.6	30.1	31.1	34.0	.2	65.3	2.5	930
15-17	3.2	34.3	32.6	29.6	.3	62.5	2.2	930
18-20	4.0	37.1	31.0	27.1	.9	58.9	1.9	930
21-23	11.9	37.3	24.0	24.1	2.7	50.8	1.9	930
ALL HOURS	10.0	30.0	26.0	29.0	1.0	58.0	2.0	7440

MONTH: JUN HOURS: ALL

00-02	26.1	28.1	17.0	26.1	2.7	45.8	1.6	900
03-05	16.1	35.3	20.3	24.9	2.9	48.6	1.2	900
06-08	10.0	38.2	27.2	22.9	1.7	51.3	1.9	900
09-11	4.8	38.9	33.0	22.1	1.2	56.3	1.0	900
12-14	1.8	35.1	36.3	26.3	.4	63.1	.7	900
15-17	1.1	33.3	40.7	24.6	.3	65.6	.7	900
18-20	4.2	38.1	32.7	24.2	.8	57.7	.9	900
21-23	8.4	39.1	26.1	25.2	1.1	52.4	1.6	900
ALL HOURS	9.1	35.8	29.2	24.5	1.4	55.2	1.2	7200

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

TION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: MAY HOURS:ALL

AIRWAY CLASSES BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
16.5	30.0	3.1	49.6	2.8	930
19.1	29.0	3.9	52.0	2.9	930
30.0	31.3	2.4	63.7	2.8	930
31.7	32.7	1.3	65.7	2.6	930
31.1	34.0	.2	65.3	2.5	930
32.6	29.6	.3	62.5	2.2	930
31.0	27.1	.9	58.9	1.9	930
24.0	24.1	2.7	50.8	1.9	930
26.0	29.0	1.0	58.0	2.0	7440

MONTH: JUN HOURS: ALL

17.0	26.1	2.7	45.8	1.6	900
20.3	24.9	2.9	48.6	1.2	900
27.2	22.9	1.7	51.3	1.9	900
33.0	22.1	1.2	56.3	1.0	900
36.3	26.3	.4	63.1	.7	900
40.7	24.6	.3	65.6	.7	900
32.7	24.2	.8	57.7	.9	900
26.1	25.2	1.1	52.4	1.6	900
29.2	24.5	1.4	55.2	1.2	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: JUL HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	25.9	35.7	16.0	20.1	2.3	38.4	3.4	930
03-05	18.5	37.4	21.1	20.6	2.4	44.1	6.5	930
06-08	7.8	38.4	31.0	20.2	2.6	53.8	7.5	930
09-11	5.3	39.8	33.1	21.4	.4	54.9	2.8	930
12-14	1.1	39.5	37.8	21.6		59.5	1.6	930
15-17	.8	36.5	41.9	20.6	.2	62.8	1.1	930
18-20	1.2	45.4	33.9	19.5	.1	53.4	1.6	928
21-23	7.0	47.6	24.8	20.1	.5	45.4	3.0	927
ALL HOURS	8.0	40.0	29.0	20.0	1.0	51.0	3.0	7435

MONTH: AUG HOURS: ALL

00-02	26.9	25.6	15.7	25.3	6.6	47.5	5.6	930
03-05	21.6	26.9	15.4	27.5	8.7	51.6	6.5	930
06-08	4.9	36.9	24.2	28.7	5.3	58.2	9.0	930
09-11	4.3	30.6	35.1	28.2	1.8	65.1	4.2	930
12-14	2.4	30.4	40.5	26.5	.2	67.2	1.7	930
15-17	1.4	38.6	33.2	26.7	.1	60.0	1.3	930
18-20	2.8	43.1	29.1	24.5	.4	54.1	1.5	930
21-23	14.6	38.0	19.9	25.1	2.6	47.4	3.5	930
ALL HOURS	9.9	33.8	26.6	26.5	3.2	56.4	4.2	7440

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

TION NAME: K. I. SAWYER AF8 MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: JUL HOURS: ALL

AIRWAY CLASSES BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
16.0	20.1	2.3	38.4	3.4	930
21.1	20.6	2.4	44.1	6.5	930
31.0	20.2	2.6	53.8	7.5	930
33.1	21.4	.4	54.9	2.8	930
37.8	21.6		59.5	1.6	930
41.9	20.6	.2	62.8	1.1	930
33.8	19.5	.1	53.4	1.6	928
24.8	20.1	.5	45.4	3.0	927
29.0	20.0	1.0	51.0	3.0	7435

MONTH: AUG HOURS: ALL

15.7	25.3	6.6	47.5	5.6	930
15.4	27.5	8.7	51.6	6.5	930
24.2	28.7	5.3	58.2	9.0	930
35.1	28.2	1.8	65.1	4.2	930
40.5	26.5	.2	67.2	1.7	930
33.2	26.7	.1	60.0	1.3	930
29.1	24.5	.4	54.1	1.5	930
19.9	25.1	2.6	47.4	3.5	930
26.6	26.5	3.2	56.4	4.2	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: SEP HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	24.3	22.2	14.0	33.7	5.8	53.4	5.2	900
03-05	19.6	24.9	14.4	34.6	6.6	55.6	5.8	900
06-08	5.1	29.4	27.4	33.1	4.9	65.4	8.8	900
09-11	4.6	26.4	32.2	34.2	2.6	69.0	5.3	900
12-14	2.6	25.4	35.0	36.1	.9	72.0	2.8	900
15-17	1.8	23.6	37.0	31.9	.8	69.7	2.4	900
18-20	3.3	33.9	30.7	29.2	2.9	62.8	2.1	900
21-23	18.1	28.3	17.7	30.9	5.0	53.6	3.4	900
ALL HOURS	9.0	27.0	26.0	32.0	3.0	62.0	4.0	7200

MONTH: OCT HOURS: ALL

00-02	15.4	18.1	17.7	45.9	2.9	66.6	5.3	930
03-05	13.1	17.8	18.0	47.2	3.9	69.0	6.6	930
06-08	6.0	23.5	26.1	40.6	3.7	70.4	7.6	930
09-11	3.3	22.5	32.5	38.7	3.0	74.2	4.9	930
12-14	1.3	22.2	33.4	40.4	2.2	76.0	2.5	930
15-17	2.3	23.4	33.1	40.4	.8	74.3	1.9	930
18-20	4.5	27.7	23.9	43.1	.8	67.7	2.9	930
21-23	14.2	19.7	17.2	47.2	1.7	66.1	4.0	930
ALL HOURS	7.6	21.9	25.2	43.0	2.4	70.6	4.5	7440

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
GMT TO UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: SEP HOURS:ALL

CLR	AIRWAY CLASSES BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
14.0	33.7	5.8	53.4	5.2		900
14.4	34.6	6.6	55.6	5.8		900
27.4	33.1	4.9	65.4	8.8		900
32.2	34.2	2.6	69.0	5.3		900
35.0	36.1	.9	72.0	2.8		900
37.0	31.9	.8	69.7	2.4		900
30.7	29.2	2.9	62.8	2.1		900
17.7	30.9	5.0	53.6	3.4		900
26.0	32.0	3.0	62.0	4.0		7200

MONTH: OCT HOURS: ALL

17.7	45.9	2.9	66.6	5.3	930
18.0	47.2	3.9	69.0	6.6	930
26.1	40.6	3.7	70.4	7.6	930
32.5	38.7	3.0	74.2	4.9	930
33.4	40.4	2.2	76.0	2.5	930
33.1	40.4	.8	74.3	1.9	930
23.9	43.1	.8	67.7	2.9	930
17.2	47.2	1.7	66.1	4.0	930
25.2	43.0	2.4	70.6	4.5	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: NOV HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	ST 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	13.0	12.8	17.1	52.8	4.3	74.2	6.2	900
03-05	12.2	12.2	16.0	54.0	5.6	75.6	6.0	900
06-08	8.4	16.0	17.9	50.6	7.1	75.6	6.1	900
09-11	2.6	15.9	26.9	47.6	7.1	81.6	5.9	900
12-14	1.9	17.1	29.0	46.4	5.6	81.0	4.6	900
15-17	1.9	19.1	28.3	46.3	3.9	79.0	5.1	900
18-20	5.6	19.9	22.3	48.1	4.1	74.6	3.4	900
21-23	10.6	16.6	17.7	51.2	4.0	72.9	4.4	900
ALL HOURS	7.0	16.0	21.0	49.0	5.0	76.0	5.0	7200

MONTH: DEC HOURS: ALL

00-02	11.4	10.5	17.0	51.5	9.5	79.0	7.1	930
03-05	11.2	14.1	15.5	50.9	8.4	74.7	5.4	930
06-08	4.6	17.0	16.6	50.5	7.3	74.4	7.6	930
09-11	3.7	18.4	26.0	43.5	8.4	79.0	10.0	930
12-14	2.9	18.0	29.3	44.0	6.9	79.1	8.7	930
15-17	1.1	22.7	27.0	40.9	6.3	76.2	6.0	930
18-20	5.2	21.1	20.9	44.3	8.6	73.9	4.4	930
21-23	9.6	14.4	15.6	49.9	10.3	75.8	4.5	930
ALL HOURS	6.7	17.0	21.1	46.9	8.2	76.3	6.7	7440

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

ATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
T TO UTC: + 5 MONTH: NOV HOURS:ALL

	AIRWAY CLASSES					
	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	17.1	52.8	4.3	74.2	6.2	900
	16.0	54.0	5.6	75.6	6.0	900
	17.9	50.6	7.1	75.6	6.1	900
	26.9	47.6	7.1	81.6	5.9	900
	29.0	46.4	5.6	81.0	4.6	900
	28.3	46.8	3.9	79.0	5.1	900
	22.3	48.1	4.1	74.6	3.4	900
	17.7	51.2	4.0	72.9	4.4	900
	21.0	49.0	5.0	76.0	5.0	7200

MONTH: DEC HOURS: ALL

	17.0	51.5	9.5	78.0	7.1	930
	15.5	50.9	8.4	74.7	5.4	930
	15.6	50.5	7.3	74.4	7.6	930
	26.0	43.5	8.4	78.0	10.0	930
	28.3	44.0	6.9	79.1	8.7	930
	23.0	40.9	6.3	76.2	6.0	930
	20.9	44.3	8.6	73.8	4.4	930
	15.6	49.9	10.3	75.8	4.5	930
	21.1	45.9	8.2	76.3	6.7	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: ALL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTA OBS
00-02	20.6	20.2	15.9	38.0	5.3	59.2	4.9	1095
03-05	16.7	22.1	16.7	38.4	6.1	61.2	5.4	1095
06-08	7.9	26.0	23.6	36.8	5.6	66.1	6.5	1095
09-11	4.6	25.3	29.6	35.7	4.8	70.1	5.6	1095
12-14	2.7	25.7	31.8	36.6	3.3	71.7	4.1	1095
15-17	2.1	28.1	31.7	35.3	2.8	69.2	3.3	1095
18-20	4.3	31.1	26.0	35.3	3.4	64.7	3.0	1095
21-23	12.9	27.3	18.3	36.6	4.4	59.8	3.9	1095
ALL HOURS	9.0	25.7	24.3	36.6	4.5	65.3	4.6	8766

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

TION NAME: K. I. SAWYER AFB MI
TO UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: ALL HOURS: ALL

	AIRWAY CLASSES					
)	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	15.9	38.0	5.3	59.2	4.9	10959
	16.7	38.4	6.1	61.2	5.4	10959
	23.6	36.8	5.6	66.1	6.5	10959
	29.6	35.7	4.8	70.1	5.6	10959
	31.8	36.6	3.3	71.7	4.1	10959
	31.7	35.3	2.8	69.8	3.3	10959
	26.0	35.3	3.4	64.7	3.0	10957
	18.8	36.6	4.4	59.8	3.9	10956
	24.3	36.6	4.5	65.3	4.6	87667

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PPPPPPPP      AAAAAA      RRRRRRRR      TTTTTTTTTT      EEEEEEEEEE
PPPPPPPPP    AAAAAAAA     RRRRRRRRR     TTTTTTTTTT      EEEEEEEEEE
PP      PP   AA      AA    RR      RR        TT          EE
PP      PP   AA      AA    RR      RR        TT          EE
PPPPPPPPP    AA      AA    RRRRRRRRR         TT          EEEEEE
PPPPPPPP     AAAAAAAAAA    RRRRRRRR          TT          EEEEEE
PP           AAAAAAAAAA    RR    RR          TT          EE
PP           AA      AA    RR     RR         TT          EE
PP           AA      AA    RR      RR        TT          EEEEEEEEEE
PP           AA      AA    RR       RR       TT          EEEEEEEEEE
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PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).
THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.
ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. THE YEARLY AMOUNT ONLY APPEARS WHEN ALL MONTHS FOR THAT YEAR ALSO APPEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE.

MEAN MONTHLY TEMPERATURE.
ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.
THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, WET BULB TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

TEMPERATURE CONVERSION: F = 1.8C + 32

C = K - 273.0 (BEFORE 5 APRIL 77)
C = K - 273.2 (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF). CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A' — CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPER/
USAFETAC, ASHEVILLE NC — FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECOI
LST TO UTC: +05 — MONTH: ALL HO

TEMP (DEG-F)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
GE	100						.1	.2			
GE	95						.2	1.1	.2		
GE	90					.7	2.3	3.9	1.9	.3	
GE	85					2.6	7.6	13.2	7.6	1.7	
GE	80				.3	8.0	17.7	33.5	23.1	5.9	.6
GE	75				2.1	15.1	33.3	56.6	42.0	15.1	2.7
GE	70				5.6	26.4	53.2	77.8	64.9	27.3	6.5
GE	65			.1	10.3	39.9	70.9	90.8	82.6	44.2	13.5
GE	60			.9	16.8	52.9	84.9	98.2	94.1	63.3	25.8
GE	55		.1	1.9	26.6	65.8	93.9	99.7	99.4	81.2	41.3
GE	50		.6	5.7	38.3	78.8	98.7	100.0	100.0	94.0	59.9
GE	45	.2	1.9	11.2	53.7	91.2	99.9			99.1	76.8
GE	40	2.3	6.0	22.7	59.1	96.9	100.0			100.0	89.4
GE	35	7.6	13.9	40.5	84.3	99.6					96.3
GE	33	12.3	18.6	49.8	89.4	99.9					98.3
GE	30	20.0	27.5	61.8	95.5	100.0					99.9
GE	25	33.4	45.5	80.8	98.7						100.0
GE	20	52.1	64.6	90.4	99.8						
GE	15	69.8	79.7	97.2	100.0						
GE	10	83.1	90.0	99.2							
GE	5	91.9	96.1	100.0							
GE	0	97.8	98.8								
GE	-5	99.3	99.5								
GE	-10	99.9	100.0								
GE	-15	100.0									

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
MEAN	19.9	23.3	32.6	47.0	60.9	70.2	75.8	72.8	63.6	52.7
SD	10.39	10.45	9.90	12.34	12.45	9.81	8.07	8.27	9.71	10.59
TOTAL OBS	911	846	930	916	961	930	961	930	900	930

ATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

E: K. I. SAWYER AFB MI — PERIOD OF RECORD: 5701-5712,5804-5810,5911-8807
: +05 — MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
		.1	.2						.0
		.2	1.1	.2					.1
	.7	2.3	3.9	1.9	.3				.8
	2.6	7.6	13.2	7.6	1.7				2.8
.3	8.0	17.7	33.5	23.1	5.9	.6			7.6
2.1	15.1	33.3	56.6	42.0	15.1	2.7			14.2
5.6	26.4	53.2	77.8	64.9	27.3	6.5			22.3
10.3	39.9	70.9	90.8	82.6	44.2	13.5	.8		30.0
16.8	52.9	84.9	98.2	94.1	63.3	25.8	2.2		37.3
26.6	65.8	93.9	99.7	99.4	81.2	41.3	5.0	.4	43.6
38.3	78.8	98.7	100.0	100.0	94.0	59.9	12.1	.7	49.8
53.7	91.2	99.9			99.1	76.8	21.7	1.2	55.5
69.1	96.9	100.0			100.0	89.4	35.9	3.4	61.2
84.3	99.6					96.3	57.0	13.3	68.4
89.4	99.9					98.3	67.2	21.5	72.1
95.5	100.0					99.9	79.8	32.0	76.9
98.7						100.0	93.1	54.7	84.3
99.8							97.3	75.4	90.3
100.0							99.3	88.6	94.7
							99.7	95.7	97.4
							100.0	98.5	98.9
								99.9	99.7
								100.0	99.9
									100.0
									100.0

47.0	60.9	70.2	75.8	72.8	63.6	52.7	37.2	25.2	48.8
12.34	12.45	9.81	8.07	8.27	9.71	10.59	9.77	8.78	21.99
916	961	930	961	930	900	930	900	912	11029

OPERATING LOCATION 'A' CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERAT
USAFETAC, ASHEVILLE NC FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD
LST TO UTC: +05 MONTH: ALL HOU

TEMP (DEG-F)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
GE	70							.5	.6			
GE	65					.3	1.3	7.0	3.2	1.7	.1	
GE	60					1.5	7.7	23.4	17.6	5.6	.6	
GE	55				.1	5.8	18.9	46.5	39.2	15.1	1.9	
GE	50				1.3	13.0	41.0	70.1	64.5	30.9	6.5	
GE	45				4.3	26.2	63.7	88.2	83.0	51.8	17.0	
GE	40			.3	9.9	42.0	82.9	98.0	95.2	71.7	31.1	
GE	35		.6	2.9	20.7	61.7	94.3	99.8	99.2	86.7	49.0	1
GE	33	.2	.9	4.9	28.3	69.1	96.6	99.9	99.8	92.3	59.5	1
GE	30	1.4	3.7	10.1	44.7	83.0	99.4	100.0	100.0	97.9	77.0	3
GE	25	5.4	7.8	26.0	70.4	95.0	100.0			99.3	94.0	5
GE	20	12.7	17.0	42.5	84.4	99.5				100.0	98.6	7
GE	15	23.1	27.2	56.3	92.9	100.0					99.7	8
GE	10	36.0	41.3	69.4	97.3						100.0	9
GE	5	49.8	54.2	78.0	99.2							9
GE	0	63.3	65.4	86.3	99.9							9
GE	-5	76.2	77.5	94.1	100.0							9
GE	-10	85.8	88.4	96.9								10
GE	-15	93.1	95.2	99.4								
GE	-20	97.7	98.7	99.7								
GE	-25	99.9	99.9	100.0								
GE	-30	100.0	100.0									
MEAN		4.3	5.8	15.1	28.3	38.3	47.4	53.7	52.1	45.0	35.7	2
SD		12.77	13.14	12.44	8.96	9.24	8.04	7.27	7.49	8.86	8.37	9
TOTAL OBS		911	848	930	916	961	930	961	930	900	930	

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: +05

PERIOD OF RECORD: 5701-5712,5804-5810,5911-8807
MONTH: ALL HOURS: ALL

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
				.5	.6					.1
		.3	1.3	7.0	3.2	1.7	.1			1.2
		1.5	7.7	23.4	17.6	5.6	.6			4.8
	.1	5.8	18.9	46.5	39.2	15.1	1.9			10.9
	1.3	13.0	41.0	70.1	64.5	30.9	6.5	.2		19.3
	4.3	26.2	63.7	88.2	83.0	51.8	17.0	.7	.1	28.4
.3	9.9	42.0	82.9	98.0	95.2	71.7	31.1	5.0	.2	37.0
2.9	20.7	61.7	94.3	99.8	99.2	86.7	49.0	11.2	.9	44.6
4.9	28.3	69.1	96.6	99.9	99.8	92.3	59.5	16.2	2.3	48.2
10.1	44.7	83.0	99.4	100.0	100.0	97.9	77.0	30.8	6.9	55.3
26.0	70.4	95.0	100.0			99.3	94.0	56.3	15.5	64.9
42.5	84.4	99.5				100.0	98.6	72.8	28.4	72.0
56.3	92.9	100.0					99.7	84.9	44.6	77.9
69.4	97.3						100.0	92.4	60.3	83.5
78.0	99.2							97.1	71.7	87.8
86.3	99.9							98.9	83.7	91.7
94.1	100.0							99.9	91.9	95.1
96.9								100.0	97.7	97.5
99.4									99.3	98.9
99.7									99.9	99.7
100.0									100.0	100.0
										100.0
15.1	23.3	38.3	47.4	53.7	52.1	45.0	35.7	24.5	12.0	30.5
12.44	8.96	9.24	8.04	7.27	7.49	8.86	8.37	9.49	11.72	19.75
930	916	961	930	961	930	900	930	900	912	11029

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATU
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD:
LST TO UTC: +05 MONTH: ALL HOUR

TEMP (DEG-F)		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	N
GE	85							.2				
GE	80						.3	1.9	.3			
GE	75					.6	2.8	8.4	4.6	1.6		
GE	70				.1	2.9	10.3	25.5	17.8	4.7	.3	
GE	65				.2	8.7	25.7	52.9	41.0	12.6	1.3	
GE	60				2.6	18.1	47.2	76.9	65.8	28.6	4.7	
GE	55				6.2	31.0	69.1	94.9	86.8	48.3	13.3	
GE	50			.4	11.4	47.6	87.0	99.5	98.1	69.0	27.4	1
GE	45		.1	1.7	22.6	66.2	97.4	100.0	99.9	88.8	46.5	7
GE	40		.5	5.6	40.3	84.5	99.9		100.0	98.1	69.5	16
GE	35	.3	3.1	14.5	61.8	95.8	100.0			99.8	88.9	34
GE	33	2.1	5.1	21.4	70.6	97.8				99.8	93.5	45
GE	30	6.5	9.4	32.6	81.0	99.9				100.0	97.3	59
GE	25	15.5	20.9	51.7	92.9	100.0					99.7	78
GE	20	27.7	36.1	67.3	97.7						100.0	89
GE	15	43.2	51.3	80.6	99.6							96
GE	10	59.3	66.0	91.6	100.0							98
GE	5	74.3	81.6	96.3								99
GE	0	84.4	90.8	98.9								100
GE	-5	93.5	96.6	99.9								
GE	-10	98.7	99.2	100.0								
GE	-15	99.6	100.0									
GE	-20	99.9										
GE	-25	100.0										
MEAN		12.2	14.7	24.1	37.9	49.8	59.0	64.9	62.7	54.6	44.5	31
SD		11.20	11.12	10.22	9.66	9.86	8.01	6.86	6.97	9.43	8.55	8.
TOTAL OBS		911	843	930	916	961	930	961	930	900	930	9

ULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

E: K. I. SAWYER AFB MI
: +05

PERIOD OF RECORD: 5701-5712,5804-5810,5911-8807
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
			.2						.0
		.3	1.9	.3					.2
	.6	2.8	8.4	4.6	1.6				1.5
.1	2.9	10.3	25.5	17.8	4.7	.3			5.3
.2	8.7	25.7	52.9	41.0	12.6	1.3			12.1
2.6	18.1	47.2	76.9	65.8	28.6	4.7			20.8
6.2	31.0	69.1	94.9	86.8	48.3	13.3	.2		29.7
11.4	47.6	87.0	99.5	98.1	69.0	27.4	1.4	.2	37.5
22.6	66.2	97.4	100.0	99.9	88.8	46.5	7.3	.4	44.9
40.3	84.5	99.9		100.0	98.1	69.5	16.1	1.1	52.1
61.8	95.8	100.0			99.8	88.9	34.7	3.3	59.3
78.5	97.8				99.8	93.5	45.1	7.5	62.7
91.0	99.9				100.0	97.3	59.1	13.4	67.3
92.9	100.0					99.7	78.6	30.5	74.7
97.7						100.0	89.7	49.3	81.1
99.6							96.1	67.1	86.9
100.0							98.9	81.7	91.8
							99.7	92.0	95.5
							100.0	96.9	97.7
								99.3	99.1
								100.0	99.8
									100.0
									100.0
									100.0
37.9	49.8	59.0	64.9	62.7	54.6	44.5	31.1	18.8	39.9
9.66	9.86	8.01	6.86	6.97	9.43	8.55	8.93	9.78	20.45
916	961	930	961	930	900	930	900	912	11029

OPERATING LOCATION 'A' — MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
USAFETAC, ASHEVILLE NC — FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF
LST TO UTC: +05 — MONTH: AI

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
57	36*	41	52	79	80	90	88	93	81
58				77*	81	87	86	94	81
59									
60	38	38	50	73	77	94	88	84	87
61	44	52	51	66	83	90	86	93	87
62	38	38	53	72	90	89	86	96	80
63	36	32	62	70	81	102	99	86	79
64	40	47	49	73	92	91	92	87	80
65	39	38	42	78	85	90	85	93	74
66	33	39	56	62	83	92	95	87	86
67	44	33	63	70	76	94	86	84	82
68	39	41	61	83	77	93	90	90	81
69	40	33	51	65	94	90	97	93	82
70	34	42	49	76	85	94	91	86	80
71	31	46	42	63	78	91	92	87	87
72	37	35	43	60	91	84	89	94	69
73	47	39	58	73	74	83	93	95	86
74	37	40	50	71	80	82	93	81	76
75	43	42	46	63	85	87	96	89	73
76	31	55	59	76	73	87	85	95	94
77	24	37	53	79	84	88	89	95	72
78	32	29	45	67	86	84	83	89	88
79	24	38	45	70	76	88	87	81	84
80	42	35	49	91	88	92	91	87	91
81	42	54	60	70	80	79	91	81	78
82	23	37	49	77	81	83	88	94	85
83	34	42	45	69	70	89	95	92	91
84	34	53	42	63	79	83	83	87	78
85	33	47	51	78	83	79	83	83	83
86	42	31	60	78	91	80	95	87	78
87	42	43	62	84	85	91	94	96	84
88	33	45	50	67	91	97	101		

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

K. I. SAWYER AFB MI
+05

PERIOD OF RECORD: 5701-5712,5804-5810,5911-8807
MONTH: ALL HOURS: ALL

APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
79	80	90	88	93	81	68	55	34*	93*
77*	81	87	86	94	81	71			94*
							45	48	48*
73	77	84	88	84	87	81	54	48	88
66	83	90	86	93	87	79	64	54	93
72	90	89	86	98	80	78	53	57	90
70	81	102	99	86	79	80	55	39	102
73	92	91	92	87	80	75	63	37	92
78	85	90	85	93	74	79	66	41	93
62	83	92	95	87	86	79	47	40	95
70	76	84	86	84	82	78	57	47	86
83	77	88	90	90	81	80	58	41	90
65	94	80	87	93	82	67	58	40	94
76	85	94	91	86	80	72	55	44	94
63	78	91	82	87	87	78	54	36	91
60	91	84	80	84	69	67	46	34	91
73	74	83	93	95	86	75	51	41	95
71	80	82	93	81	76	68	60	40	93
63	85	87	96	89	73	68	69	40	96
76	73	87	85	95	94	80	52	36	95
79	84	88	99	85	72	66	55	38	99
67	86	84	83	89	88	76	68	32	89
70	76	88	87	81	84	65	55	44	88
81	89	92	91	87	81	67	52	38	92
70	80	79	91	81	78	63	66	36	91
77	81	83	88	84	85	72	56	57	88
69	70	88	95	92	91	76	55	32	95
63	79	83	83	87	78	64	50	46	87
73	83	79	83	83	83	69	50	29	83
78	91	80	95	87	78	72	54	43	95
84	85	91	94	96	84	69	60	39	94
67	91	97	101						101*

7F

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF REC
LST TO UTC: +05 MONTH: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
GREATEST	47	55	68	84	94	102	101	95	94	81
TOTAL OBS	911	849	930	916	961	930	961	930	900	930

THE GREATEST VALUE OF 102 OCCURRED ON 06/30/63

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FO

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

NAME: K. I. SAWYER AFB MI
UTC: +05

PERIOD OF RECORD: 5701-5712,5804-5810,5911-8807
MONTH: ALL HOURS: ALL

R	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	84	94	102	101	95	94	81	69	57	102
	916	961	930	961	930	900	930	900	912	11029

102 OCCURRED ON 06/30/63

ASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: +05

PERIOD OF RECORD
MONTH: ALL HOUR

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
57	-24*	-13	-12	5	22	31	40	40	23	25
58				10*	17	29	40	36	30	27
59										
60	-7	-8	-12	3	20	36	39	37	33	23
61	-18	-15	1	14	25	34	43	42	23	23
62	-21	-20	-21	9	26	29	40	38	33	24
63	-27	-20	-15	18	23	34	43	33	28	29
64	-12	-13	-3	-3	26	25	43	36	26	21
65	-25	-20	-12	6	27	30	36	36	21	18
66	-25	-25	-4	15	21	34	43	42	33	12
67	-21	-23	-18	13	21	37	34	33	30	23
68	-22	-14	-3	9	19	34	35	33	35	19
69	-10	-14	-2	17	22	31	41	40	36	12
70	-19	-25	-5	13	21	31	42	37	31	22
71	-19	-23	-12	7	23	31	40	30	32	28
72	-24	-21	-22	2	25	27	32	33	27	14
73	-17	-14	13	7	24	36	39	38	28	29
74	-21	-20	-15	5	19	36	42	38	23	18
75	-11	-16	-7	4	29	34	40	43	24	21
76	-18	-8	-10	14	18	34	42	32	28	19
77	-20	-13	5	6	23	33	41	36	37	22
78	-14	-15	-14	17	24	31	38	38	31	22
79	-17	-30	-5	6	22	33	40	37	31	21
80	-18	-16	-16	13	31	32	43	45	29	23
81	-8	-21	5	19	22	39	41	40	30	19
82	-24	-14	-18	6	30	32	47	38	31	25
83	-4	-5	-3	16	18	35	39	48	33	26
84	-18	1	-14	17	24	41	40	36	30	18
85	-12	-22	-4	14	28	34	38	42	31	24
86	-9	-12	-5	17	21	25	40	37	32	27
87	-8	4	5	10	26	35	42	44	34	20
88	-18	-15	-14	16	24	32	37			

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

TION NAME: K. I. SAWYER AFB MI
TO UTC: +05

PERIOD OF RECORD: 5701-5712,5804-5810,5911-8807
MONTH: ALL HOURS: ALL

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
-12	5	22	31	40	40	23	25	0	0*	-24*
	10*	17	29	40	36	30	27			10*
								-6	4	-6*
-12	3	20	36	39	37	33	23	12	-14	-14
1	14	25	34	43	42	23	23	5	-8	-18
-21	9	26	29	40	38	33	24	17	-13	-21
-15	18	23	34	43	33	28	29	12	-11	-27
-3	-3	26	25	43	36	26	21	3	-10	-13
-12	6	27	30	36	36	21	18	13	-3	-25
-4	15	21	34	43	42	33	12	4	-9	-25
-18	13	21	37	34	33	30	23	2	-14	-23
-3	9	19	34	35	33	35	19	15	-17	-22
-2	17	22	31	41	40	36	12	5	-4	-14
-5	13	21	31	42	37	31	22	7	-9	-25
-12	7	23	31	40	30	32	28	6	-4	-23
-22	2	25	27	32	33	27	14	2	-17	-24
13	7	24	36	39	38	28	29	9	-17	-17
-15	5	19	36	42	38	23	18	9	3	-21
-7	4	29	34	40	43	24	21	4	-11	-16
-10	14	18	34	42	32	28	19	-5	-23	-23
5	6	23	33	41	36	37	22	2	-13	-20
-14	17	24	31	38	38	31	22	-3	-8	-15
-5	5	22	33	40	37	31	21	-2	-6	-30
-16	13	31	32	43	45	29	23	12	-7	-18
5	19	22	39	41	40	30	19	4	-4	-21
-13	6	30	32	47	38	31	25	1	-3	-24
-3	16	18	35	39	48	33	26	16	-20	-20
-14	17	24	41	40	36	30	18	0	-6	-18
-4	14	28	34	38	42	31	24	-1	-9	-22
-5	17	21	25	40	37	32	27	3	0	-12
5	10	26	35	42	44	34	20	9	-6	-8
-14	16	24	32	37						-18*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECOR
LST TO UTC: +05 MONTH: ALL HO

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
LEAST	-27	-30	-22	-3	17	25	32	30	21	12
TOTAL OBS	911	848	930	916	961	930	961	930	900	930

THE LEAST VALUE OF -30 OCCURRED ON 02/17/79

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

ON NAME: K. I. SAWYER AFB MI
C UTC: +05

PERIOD OF RECORD: 5701-5712,5804-5810,5911-8807
MONTH: ALL HOURS: ALL

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
-22	-3	17	25	32	30	21	12	-6	-23	-30
930	916	961	930	961	930	900	930	900	912	11029

-30 OCCURRED ON 02/17/79

BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: +05

PERIOD OF RECORD:
MONTH: ALL HOUR

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
57	9*	15	23	39	49	60	66	62	53	44
58				41*	46	54	63	62	55	46
59										
60	18	19	17	39	50	59	63	64	56	46
61	11	21	23	38	49	61	67	66	58	46
62	10	11	27	37	55	58	62	63	52	48
63	5	6	24	40	48	63	67	60	55	54
64	20	17	21	38	54	58	66	60	53	44
65	10	10	18	36	52	57	59	60	50	43
66	8	16	27	35	46	63	69	63	55	44
67	16	9	24	38	44	60	63	60	56	42
68	14	12	28	40	47	58	63	62	59	48
69	17	17	20	39	49	53	65	66	57	41
70	7	11	21	39	46	60	66	63	55	46
71	7	13	19	35	45	62	60	60	57	51
72	9	10	19	31	54	56	61	60	50	39
73	16	15	32	36	44	59	63	65	54	49
74	12	10	22	38	46	57	66	62	49	42
75	15	18	22	32	55	61	67	65	50	45
76	10	21	24	40	46	62	64	64	53	39
77	5	15	30	41	56	58	66	59	55	43
78	12	11	22	34	52	58	62	63	56	43
79	7	7	23	36	46	59	66	60	55	40
80	14	13	22	39	54	59	66	65	54	40
81	16	20	29	39	47	60	65	64	53	42
82	4	12	23	35	57	56	67	61	55	46
83	20	23	27	34	45	61	70	68	58	45
84	9	25	19	41	48	62	63	65	53	48
85	13	13	28	41	51	56	61	61	55	45
86	15	16	27	42	53	56	67	61	55	45
87	22	27	33	46	56	65	69	64	59	39
88	11	11	24	39	54	63	69			

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

70 ION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: 5701-5712,5804-5810,5911-8807
A TO UTC: +05 — MONTH: ALL HOURS: ALL

IV	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
	23	39	49	60	66	62	53	44	30	16*	42*
		41*	46	54	63	62	55	46			53*
									23	26	25*
	17	39	50	59	63	64	56	46	34	15	40
	23	38	49	61	67	66	58	46	32	18	41
	27	37	55	58	62	63	52	48	34	19	40
	24	40	48	63	67	60	55	54	35	13	39
	21	38	54	58	66	60	53	44	33	16	40
	19	36	52	57	59	60	50	43	31	24	38
	27	35	46	63	69	63	55	44	30	20	40
	24	38	44	60	63	60	56	42	27	20	39
	24	40	47	58	63	62	59	48	31	19	40
	20	39	49	53	65	68	57	41	30	20	40
	21	39	46	60	66	63	55	46	31	18	39
	19	35	45	62	60	60	57	51	31	20	38
	19	31	54	56	61	60	50	39	28	14	36
	32	36	44	59	63	65	54	49	31	18	40
	22	38	46	57	66	62	49	42	32	23	38
	22	32	55	61	67	65	50	45	34	17	40
	24	40	46	62	64	64	53	39	27	11	38
	30	41	58	58	65	59	55	43	31	18	40
	22	34	52	58	62	63	56	43	30	14	38
	23	36	46	59	66	60	55	40	29	24	38
	22	39	54	59	66	65	54	40	32	19	40
	29	39	47	60	65	64	53	42	36	21	41
	23	35	57	56	67	61	55	46	31	24	39
	27	34	45	61	70	68	58	45	34	12	41
	19	41	48	62	63	65	53	48	33	21	41
	25	41	51	56	61	61	55	45	28	12	39
	27	42	53	56	67	61	55	45	29	25	41
	33	46	56	66	69	64	59	39	33	24	45
	24	39	54	63	69						39*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD:
LST TO UTC: +05 MONTH: ALL HOURS

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	N
MEAN	12.2	14.7	24.1	37.9	49.8	59.0	64.9	62.7	54.6	44.5	31.
TOTAL OBS	911	848	930	916	961	930	961	930	900	930	90

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THI

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

ATION NAME: K. I. SAWYER AFB MI
T TO UTC: +05

PERIOD OF RECORD: 5701-5712,5804-5810,5911-8807
MONTH: ALL HOURS: ALL

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
24.1	37.9	49.8	59.0	64.9	62.7	54.6	44.5	31.1	18.8	39.9
933	916	961	930	961	930	900	930	900	912	11029

IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES LE 0	LE 32	GE 65	GE 80	GE
00-02	12.0	12.177	930	176	899	0	0	
03-05	11.4	12.301	930	194	913	0	0	
06-08	10.9	12.747	930	215	912	0	0	
09-11	12.2	12.216	930	171	904	0	0	
12-14	17.0	10.391	930	57	860	0	0	
15-17	17.8	10.304	930	44	851	0	0	
18-20	14.9	11.125	930	110	884	0	0	
21-23	12.7	11.738	930	163	897	0	0	
ALL HOURS	13.6	11.494	7440	1130	7120	0	0	

MONTH: FEB

00-02	14.3	13.417	849	169	785	0	0	
03-05	13.3	13.714	849	190	793	0	0	
06-08	12.5	13.996	849	197	800	0	0	
09-11	15.6	13.127	849	108	767	0	0	
12-14	21.1	11.805	849	30	672	0	0	
15-17	22.3	11.703	849	16	653	0	0	
18-20	19.3	12.220	849	60	706	0	0	
21-23	16.3	13.033	849	112	757	0	0	
ALL HOURS	16.8	13.366	6792	862	5933	0	0	

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: JAN

N	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
	930	176	899	0	0	0	930
	930	194	913	0	0	0	930
	930	215	912	0	0	0	930
	930	171	904	0	0	0	930
	930	57	860	0	0	0	930
	930	44	851	0	0	0	930
	930	110	884	0	0	0	930
	930	163	897	0	0	0	930
	7440	1130	7120	0	0	0	7440

MONTH: FEB

	849	169	785	0	0	0	849
	849	180	793	0	0	0	849
	849	187	800	0	0	0	849
	849	108	767	0	0	0	849
	849	30	672	0	0	0	849
	849	16	653	0	0	0	849
	849	60	706	0	0	0	849
	849	112	757	0	0	0	849
	6792	862	5933	0	0	0	6792

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES LE 0	LE 32	GE 65	GE 80	GE
00-02	22.9	10.868	930	46	778	0	0	
03-05	21.7	11.384	930	58	818	0	0	
06-08	20.9	11.554	930	73	815	0	0	
09-11	25.5	10.177	930	13	713	0	0	
12-14	29.8	10.268	930	1	573	1	0	
15-17	30.9	10.515	930	0	534	1	0	
18-20	28.3	9.969	930	1	631	0	0	
21-23	24.9	10.169	930	25	744	0	0	
ALL HOURS	25.6	11.152	7440	217	5606	2	0	

MONTH: APR

00-02	34.4	8.911	900	0	392	0	0	
03-05	33.0	8.825	900	0	431	0	0	
06-08	33.6	8.928	900	0	399	0	0	
09-11	40.6	10.382	900	0	205	21	0	
12-14	44.8	12.277	900	0	134	73	2	
15-17	45.4	12.543	900	0	117	82	2	
18-20	42.1	11.381	900	0	179	38	0	
21-23	37.0	9.505	900	0	318	1	0	
ALL HOURS	38.9	11.465	7200	0	2174	215	4	

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

N: NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
3 UTC: + 5 MONTH: MAR

TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
930	46	778	0	0	0	930
930	58	818	0	0	0	930
930	73	815	0	0	0	930
930	13	713	0	0	0	930
930	1	573	1	0	0	930
930	0	534	1	0	0	930
930	1	631	0	0	0	930
930	25	744	0	0	0	930
7440	217	5606	2	0	0	7440

MONTH: APR

900	0	392	0	0	0	900
900	0	431	0	0	0	900
900	0	399	0	0	0	900
900	0	205	21	0	0	900
900	0	134	73	2	0	900
900	0	117	82	2	0	900
900	0	179	38	0	0	900
900	0	318	1	0	0	900
7200	0	2174	215	4	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES LE 0	LE 32	GE 65	GE 80	GE
00-02	44.2	9.576	930	0	107	18	0	
03-05	42.5	9.524	930	0	159	11	0	
06-08	45.4	9.500	930	0	82	21	0	
09-11	54.5	10.936	930	0	7	176	11	
12-14	58.3	12.492	930	0	3	326	53	
15-17	59.0	12.455	930	0	4	346	54	
18-20	55.1	11.426	930	0	5	203	20	
21-23	48.3	9.998	930	0	47	64	0	
ALL HOURS	51.0	12.471	7440	0	414	1165	138	

MONTH: JUN

00-02	53.2	8.667	900	0	5	104	0	
03-05	51.3	8.715	900	0	8	59	0	
06-08	54.7	8.286	900	0	1	109	0	
09-11	63.3	9.024	900	0	0	379	44	
12-14	67.3	9.685	900	0	0	550	100	
15-17	67.3	9.710	900	0	0	536	99	
18-20	64.0	9.190	900	0	0	413	46	
21-23	57.3	8.470	900	0	0	176	5	
ALL HOURS	59.8	10.829	7200	0	14	2326	294	

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

ATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
T TO UTC: + 5 MONTH: MAY

TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
930	0	107	18	0	0	930
930	0	159	11	0	0	930
930	0	82	21	0	0	930
930	0	7	176	11	0	930
930	0	3	326	53	0	930
930	0	4	346	54	0	930
930	0	5	203	20	0	930
930	0	47	64	0	0	930
7440	0	414	1165	138	0	7440

MONTH: JUN

900	0	5	104	0	0	900
900	0	8	59	0	0	900
900	0	1	109	0	0	900
900	0	0	379	44	0	900
900	0	0	550	100	3	900
900	0	0	536	99	6	900
900	0	0	413	46	2	900
900	0	0	176	5	0	900
7200	0	14	2326	294	11	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES				
				LE 0	LE 32	GE 65	GE 80	GE
00-02	59.6	7.599	930	0	0	253	2	
03-05	57.5	7.603	930	0	0	182	0	
06-08	60.4	7.090	930	0	0	264	2	
09-11	69.7	7.437	930	0	0	684	87	
12-14	74.3	8.446	930	0	0	811	248	1
15-17	74.4	8.541	930	0	0	810	260	2
18-20	70.9	8.170	928	0	0	727	142	1
21-23	64.2	7.424	927	0	0	440	21	
ALL HOURS	66.4	10.068	7435	0	0	4171	762	4

MONTH: AUG

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES				
				LE 0	LE 32	GE 65	GE 80	GE
00-02	58.1	7.054	930	0	0	182	0	
03-05	56.6	7.175	930	0	0	131	1	
06-08	57.5	6.748	930	0	0	135	0	
09-11	65.4	6.462	930	0	0	497	16	
12-14	70.0	7.483	930	0	0	714	95	
15-17	70.5	7.694	930	0	0	726	120	
18-20	66.9	7.222	930	0	0	575	40	
21-23	61.0	6.587	930	0	0	297	2	
ALL HOURS	63.2	8.851	7440	0	0	3257	274	

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
GMT TO UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: JUL

TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
930	0	0	253	2	0	930
930	0	0	182	0	0	930
930	0	0	264	2	0	930
930	0	0	684	87	1	930
930	0	0	811	248	16	930
930	0	0	810	260	21	930
928	0	0	727	142	10	928
927	0	0	440	21	0	927
7435	0	0	4171	762	49	7435

MONTH: AUG

930	0	0	182	0	0	930
930	0	0	131	1	0	930
930	0	0	135	0	0	930
930	0	0	497	16	0	930
930	0	0	714	95	0	930
930	0	0	726	120	0	930
930	0	0	575	40	0	930
930	0	0	297	2	0	930
7440	0	0	3257	274	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: + 5

PERIOD OF RECORD: AUG 78
MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES D LE 0	LE 32	GE 65	GE 80	GE 9
00-02	51.2	8.748	900	0	8	59	0	
03-05	50.0	8.833	900	0	19	40	0	
06-08	49.9	8.467	900	0	21	36	0	
09-11	56.5	7.950	900	0	0	157	3	
12-14	61.1	9.349	900	0	0	298	25	
15-17	61.3	9.611	900	0	0	315	36	
18-20	57.2	8.881	900	0	0	192	9	
21-23	52.7	8.482	900	0	0	86	0	
ALL HOURS	55.0	9.789	7200	0	48	1183	73	

MONTH: OCT

00-02	40.1	8.201	930	0	176	0	0	
03-05	39.2	8.178	930	0	207	0	0	
06-08	38.8	8.064	930	0	218	0	0	
09-11	43.7	7.449	930	0	57	1	0	
12-14	48.2	8.476	930	0	15	24	0	
15-17	48.6	8.845	930	0	19	41	0	
18-20	44.4	8.036	930	0	48	5	0	
21-23	41.3	8.030	930	0	128	0	0	
ALL HOURS	43.0	8.959	7440	0	868	71	0	

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STN NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TIME: UTC: + 5 MONTH: SEP

TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
900	0	8	59	0	0	900
900	0	19	40	0	0	900
900	0	21	36	0	0	900
900	0	0	157	3	0	900
900	0	0	298	25	0	900
900	0	0	315	36	0	900
900	0	0	192	9	0	900
900	0	0	86	0	0	900
7200	0	48	1183	73	0	7200

MONTH: OCT

930	0	176	0	0	0	930
930	0	207	0	0	0	930
930	0	218	0	0	0	930
930	0	57	1	0	0	930
930	0	15	24	0	0	930
930	0	19	41	0	0	930
930	0	48	5	0	0	930
930	0	128	0	0	0	930
7440	0	868	71	0	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG LE 0	LE 32	GE 65	GE 80	GE 93
00-02	30.1	9.263	900	0	537	0	0	0
03-05	29.5	9.597	900	1	560	0	0	0
06-08	28.9	9.856	900	9	583	0	0	0
09-11	31.3	9.423	900	0	515	0	0	0
12-14	35.2	9.412	900	0	361	5	0	0
15-17	35.5	9.563	900	0	350	7	0	0
18-20	32.4	8.810	900	0	459	0	0	0
21-23	30.5	8.947	900	3	523	0	0	0
ALL HOURS	31.7	9.601	7200	13	3888	12	0	0

MONTH: DEC

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG LE 0	LE 32	GE 65	GE 80	GE 93
00-02	18.8	10.906	930	64	851	0	0	0
03-05	18.1	11.314	930	80	863	0	0	0
06-08	17.5	11.677	930	87	860	0	0	0
09-11	18.7	11.080	930	59	858	0	0	0
12-14	22.6	9.298	930	11	803	0	0	0
15-17	23.2	9.191	930	7	776	0	0	0
18-20	20.5	9.977	930	27	838	0	0	0
21-23	19.2	10.448	930	49	849	0	0	0
ALL HOURS	19.8	10.712	7440	383	6698	0	0	0

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
CT TO UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: NOV

TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
900	0	537	0	0	0	900
900	1	560	0	0	0	900
900	9	583	0	0	0	900
900	0	515	0	0	0	900
900	0	361	5	0	0	900
900	0	350	7	0	0	900
900	0	459	0	0	0	900
900	3	523	0	0	0	900
7200	13	3888	12	0	0	7200

MONTH: DEC

930	64	851	0	0	0	930
930	30	863	0	0	0	930
930	87	860	0	0	0	930
930	59	859	0	0	0	930
930	11	803	0	0	0	930
930	7	776	0	0	0	930
930	27	838	0	0	0	930
930	48	849	0	0	0	930
7440	383	6698	0	0	0	7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES				
				LE 0	LE 32	GE 65	GE 80	GE 9
00-02	36.7	19.034	10959	455	4538	616	2	
03-05	35.4	18.803	10959	513	4771	423	1	
06-08	36.0	19.769	10959	571	4691	565	2	
09-11	41.5	22.003	10959	351	4026	1915	161	
12-14	46.0	22.042	10959	99	3421	2802	523	1
15-17	46.5	21.846	10959	67	3304	2864	571	2
18-20	43.1	21.383	10957	198	3749	2153	257	1
21-23	38.9	19.783	10956	351	4263	1064	28	
ALL HOURS	40.6	21.030	87667	2605	32763	12402	1545	5

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI
UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: ALL

TAL S	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
59	455	4538	616	2	0	10959
	513	4771	423	1	0	10959
	571	4691	565	2	0	10959
	351	4026	1915	161	1	10959
	99	3421	2802	523	19	10959
	67	3304	2864	571	27	10959
7	198	3749	2153	257	12	10957
	351	4263	1064	28	0	10956
7	2605	32763	12402	1545	59	87667

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES LE 32	GE 50	GE 67	GE 73	GE
00-02	11.0	11.803	930	920	0	0	0	
03-05	10.5	11.926	929	924	0	0	0	
06-08	10.0	12.352	930	919	0	0	0	
09-11	11.2	11.353	929	918	0	0	0	
12-14	15.3	9.966	930	897	0	0	0	
15-17	15.9	9.799	930	883	0	0	0	
18-20	13.5	10.708	930	909	0	0	0	
21-23	11.5	11.435	930	918	0	0	0	
ALL HOURS	12.4	11.443	7438	7293	0	0	0	

MONTH: FEB

00-02	13.3	12.987	849	813	0	0	0	
03-05	12.3	13.336	849	812	0	0	0	
06-08	11.7	13.591	849	817	0	0	0	
09-11	14.3	12.640	849	798	0	0	0	
12-14	18.8	10.969	849	743	0	0	0	
15-17	19.7	10.715	849	732	0	0	0	
18-20	17.4	11.496	849	772	0	0	0	
21-23	15.0	12.578	849	803	0	0	0	
ALL HOURS	15.3	12.631	6791	6290	0	0	0	

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

ATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
T TO UTC: + 5 MONTH: JAN

TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
930	920	0	0	0	0	930
929	924	0	0	0	0	929
930	919	0	0	0	0	930
929	918	0	0	0	0	929
930	897	0	0	0	0	930
930	883	0	0	0	0	930
930	909	0	0	0	0	930
930	913	0	0	0	0	930
7438	7293	0	0	0	0	7438

MONTH: FEB

849	813	0	0	0	0	849
849	812	0	0	0	0	849
849	817	0	0	0	0	849
848	798	0	0	0	0	848
849	743	0	0	0	0	849
849	732	0	0	0	0	849
849	772	0	0	0	0	849
849	803	0	0	0	0	849
6791	6290	0	0	0	0	6791

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG LE 32	GE 50	GE 67	GE 73	GE 80
00-02	21.4	10.475	930	832	0	0	0	0
03-05	20.3	11.035	930	848	0	0	0	0
06-08	19.7	11.238	930	846	0	0	0	0
09-11	23.5	9.614	930	732	0	0	0	0
12-14	26.5	8.985	930	703	5	0	0	0
15-17	27.2	8.915	930	683	6	0	0	0
18-20	25.5	8.976	930	749	3	0	0	0
21-23	23.1	9.719	930	802	1	0	0	0
ALL HOURS	23.4	10.269	7440	6245	15	0	0	0

MONTH: APR

00-02	31.8	8.319	900	512	29	0	0	0
03-05	30.8	8.410	900	549	19	0	0	0
06-08	31.3	8.263	900	532	20	0	0	0
09-11	35.9	8.469	900	324	68	0	0	0
12-14	38.2	9.133	900	259	110	2	0	0
15-17	38.4	9.271	900	245	112	1	0	0
18-20	36.4	9.057	900	332	83	0	0	0
21-23	33.5	8.610	900	441	45	0	0	0
ALL HOURS	34.5	9.170	7200	3194	486	3	0	0

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STN NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 MONTH: MAR

TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
930	832	0	0	0	0	930
930	848	0	0	0	0	930
930	846	0	0	0	0	930
930	732	0	0	0	0	930
930	703	5	0	0	0	930
930	683	6	0	0	0	930
930	749	3	0	0	0	930
930	802	1	0	0	0	930
7440	6245	15	0	0	0	7440

MONTH: APR

900	512	29	0	0	0	900
900	549	19	0	0	0	900
900	532	20	0	0	0	900
900	324	68	0	0	0	900
900	259	110	2	0	0	900
900	245	112	1	0	0	900
900	332	83	0	0	0	900
900	441	45	0	0	0	900
7200	3194	486	3	0	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DE LE 32	GE 50	GE 67	GE 73	GE 80
00-02	40.7	9.182	930	197	177	0	0	0
03-05	39.6	9.194	930	232	157	0	0	0
06-08	41.8	8.794	930	133	195	1	0	0
09-11	47.1	8.790	930	34	355	16	0	0
12-14	49.1	9.200	930	21	438	30	2	0
15-17	49.1	9.393	930	20	420	26	5	0
18-20	46.9	9.284	930	39	354	15	0	0
21-23	43.3	9.190	930	116	246	2	0	0
ALL HOURS	44.7	9.791	7440	792	2342	90	7	0

MONTH: JUN

00-02	49.5	8.299	900	8	448	17	0	0
03-05	48.2	8.403	900	25	393	7	0	0
06-08	50.5	7.566	900	4	472	8	0	0
09-11	55.1	7.300	900	0	696	78	3	0
12-14	56.8	7.392	900	0	756	97	12	0
15-17	56.7	7.361	900	0	739	98	19	0
18-20	55.1	7.539	900	0	665	79	11	0
21-23	51.9	7.762	900	1	535	35	0	0
ALL HOURS	53.0	8.354	7200	38	4704	419	45	0

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

ATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
T TO UTC: + 5 — MONTH: MAY

TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
930	197	177	0	0	0	930
930	232	157	0	0	0	930
930	133	195	1	0	0	930
930	34	355	16	0	0	930
930	21	438	30	2	0	930
930	20	420	26	5	0	930
930	39	354	15	0	0	930
930	116	246	2	0	0	930
7440	792	2342	90	7	0	7440

MONTH: JUN

900	8	448	17	0	0	900
900	25	393	7	0	0	900
900	4	472	8	0	0	900
900	0	696	78	3	0	900
900	0	756	97	12	0	900
900	0	739	98	19	0	900
900	0	665	79	11	0	900
900	1	535	35	0	0	900
7200	38	4704	419	45	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES LE 32	GE 50	GE 67	GE 73	GE
00-02	56.2	7.160	930	0	752	61	3	
03-05	54.7	7.447	930	0	702	35	2	
06-08	56.8	6.667	930	0	793	59	3	
09-11	61.7	5.955	930	0	910	184	29	
12-14	63.4	6.005	930	0	920	289	51	
15-17	63.4	6.025	930	0	919	287	56	
18-20	62.0	6.334	928	0	901	237	40	
21-23	59.0	6.665	927	0	846	129	13	
ALL HOURS	59.6	7.318	7435	0	6743	1281	197	

MONTH: AUG

00-02	55.5	7.222	930	0	735	48	0	
03-05	54.4	7.402	930	0	669	29	0	
06-08	55.1	7.013	930	0	724	31	0	
09-11	59.7	5.956	930	0	883	115	14	
12-14	61.4	6.161	930	0	896	181	25	
15-17	61.6	6.189	930	0	898	218	30	
18-20	60.1	6.255	929	0	879	153	16	
21-23	57.4	6.660	930	0	811	75	3	
ALL HOURS	58.2	7.178	7439	0	6495	850	88	

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: JUL

TAL S	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
30	0	752	61	3	0	930
30	0	702	35	2	0	930
30	0	793	59	3	0	930
30	0	910	184	29	0	930
30	0	920	289	51	2	930
30	0	919	287	56	1	930
28	0	901	237	40	0	928
27	0	846	129	13	0	927
35	0	6743	1281	197	3	7435

MONTH: AUG

30	0	735	48	0	0	930
30	0	669	29	0	0	930
30	0	724	31	0	0	930
30	0	883	115	14	0	930
30	0	896	181	25	0	930
30	0	898	218	30	0	930
29	0	879	153	16	0	929
30	0	811	75	3	0	930
49	0	6495	850	88	0	7439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES D LE 32	GE 50	GE 67	GE 73	GE 8
00-02	48.8	8.551	900	27	422	12	0	
03-05	48.0	8.695	900	38	396	7	0	
06-08	48.0	8.430	900	37	373	8	0	
09-11	52.3	7.354	900	0	559	33	0	
12-14	54.5	7.916	900	0	633	72	13	
15-17	54.7	7.963	900	0	647	77	17	
18-20	52.5	7.971	900	0	559	44	7	
21-23	49.9	8.212	900	7	448	20	0	
ALL HOURS	51.1	8.534	7200	109	4037	273	37	

MONTH: OCT

00-02	38.0	8.148	930	268	96	0	0	
03-05	37.3	8.118	929	303	82	0	0	
06-08	36.9	8.070	930	303	81	0	0	
09-11	40.5	7.232	930	128	113	0	0	
12-14	42.8	7.542	930	69	179	0	0	
15-17	42.8	7.574	930	69	185	0	0	
18-20	40.6	7.617	930	127	129	0	0	
21-23	38.8	7.954	930	206	99	0	0	
ALL HOURS	39.7	8.108	7439	1473	964	0	0	

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI
UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: SEP

TAL S	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00	27	422	12	0	0	900
00	38	396	7	0	0	900
00	37	373	8	0	0	900
0	0	559	33	0	0	900
00	0	633	72	13	0	900
00	0	647	77	17	0	900
00	0	559	44	7	0	900
00	7	448	20	0	0	900
00	109	4037	273	37	0	7200

MONTH: OCT

30	268	96	0	0	0	930
29	303	82	0	0	0	929
30	303	81	0	0	0	930
30	128	113	0	0	0	930
30	69	179	0	0	0	930
30	69	185	0	0	0	930
30	127	129	0	0	0	930
30	206	99	0	0	0	930
24	1473	964	0	0	0	7439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES D LE 32	GE 50	GE 67	GE 73	GE 8
00-02	28.1	8.941	900	637	15	0	0	
03-05	27.6	9.285	900	654	15	0	0	
06-08	27.1	9.585	900	665	15	0	0	
09-11	29.0	8.930	900	625	14	0	0	
12-14	31.7	8.432	900	528	23	0	0	
15-17	31.8	8.446	900	524	21	0	0	
18-20	29.8	8.392	900	584	16	0	0	
21-23	28.4	8.684	900	617	14	0	0	
ALL HOURS	29.2	9.020	7200	4834	133	0	0	

MONTH: DEC

00-02	17.7	10.826	930	873	3	0	0	
03-05	17.0	11.130	930	886	3	0	0	
06-08	16.5	11.520	928	884	4	0	0	
09-11	17.6	10.949	930	885	3	0	0	
12-14	20.9	9.189	928	848	4	0	0	
15-17	21.2	9.085	930	844	4	0	0	
18-20	19.1	9.853	930	871	3	0	0	
21-23	18.0	10.318	930	878	3	0	0	
ALL HOURS	18.5	10.507	7436	6969	27	0	0	

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: NOV

TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
900	637	15	0	0	0	900
900	654	15	0	0	0	900
900	665	15	0	0	0	900
900	625	14	0	0	0	900
900	528	23	0	0	0	900
900	524	21	0	0	0	900
900	584	16	0	0	0	900
900	617	14	0	0	0	900
7200	4834	133	0	0	0	7200

MONTH: DEC

930	873	3	0	0	0	930
930	886	3	0	0	0	930
928	884	4	0	0	0	928
930	885	3	0	0	0	930
928	848	4	0	0	0	928
930	844	4	0	0	0	930
930	871	3	0	0	0	930
930	878	3	0	0	0	930
7436	6969	27	0	0	0	7436

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727436 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES LE 32	GE 50	GE 67	GE 73	GE
00-02	34.4	18.191	10959	5087	2677	138	3	
03-05	33.5	18.152	10957	5271	2436	78	2	
06-08	33.9	18.844	10957	5140	2677	107	3	
09-11	37.4	19.516	10957	4494	3601	426	46	
12-14	40.1	18.591	10957	4068	3954	671	103	
15-17	40.3	18.370	10959	4005	3951	707	127	
18-20	38.3	18.676	10956	4383	3592	528	74	
21-23	35.9	18.432	10956	4739	3048	261	16	
ALL HOURS	36.7	18.772	87658	37237	25946	2916	374	

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
TO UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: ALL

TOTAL OBS	MEAN	NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
10959		5087	2677	138	3	0	10959
10957		5271	2436	78	2	0	10957
10957		5140	2677	107	3	0	10957
10957		4494	3601	426	46	0	10957
10957		4068	3954	671	103	2	10957
10959		4005	3951	707	127	1	10959
10956		4383	3592	528	74	0	10956
10956		4799	3048	261	16	0	10956
87658		37237	25946	2916	374	3	87658

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES			
				LE 27	GE 37	LE 55	GE 65
00-02	5.2	14.254	930	883	0	930	0
03-05	4.7	14.383	929	896	1	929	0
06-08	4.2	14.874	930	895	3	930	0
09-11	5.2	14.300	929	893	1	929	0
12-14	8.2	12.853	930	880	0	930	0
15-17	8.3	12.934	930	876	0	930	0
18-20	7.0	13.412	930	892	0	930	0
21-23	5.8	13.886	930	889	0	930	0
ALL HOURS	6.1	13.961	7438	7094	5	7438	0

MONTH: FEB

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES			
				LE 27	GE 37	LE 55	GE 65
00-02	7.8	15.278	849	756	3	849	0
03-05	7.0	15.594	849	764	5	849	0
06-08	6.3	15.906	849	770	6	849	0
09-11	8.6	14.657	848	758	5	848	0
12-14	11.3	13.196	849	744	7	849	0
15-17	11.6	13.067	849	741	6	849	0
18-20	10.7	13.639	849	746	8	849	0
21-23	9.2	14.614	849	753	5	849	0
ALL HOURS	9.1	14.662	6791	6034	46	6791	0

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI
ST TO UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: JAN

TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
930	883	0	930	0	930
929	896	1	929	0	929
930	895	3	930	0	930
929	893	1	929	0	929
930	880	0	930	0	930
930	876	0	930	0	930
930	882	0	930	0	930
930	889	0	930	0	930
7438	7094	5	7438	0	7438

MONTH: FEB

849	758	3	849	0	849
849	764	5	849	0	849
849	770	6	849	0	849
848	758	5	848	0	849
849	744	7	849	0	849
849	741	6	849	0	849
849	746	8	849	0	849
849	753	6	849	0	849
6791	6034	46	6791	0	6791

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURE: LE 27	GE 37	LE 55	GE 65
00-02	16.5	12.505	930	757	23	930	0
03-05	15.7	13.190	930	774	20	930	0
06-08	15.1	13.621	930	775	12	930	0
09-11	17.8	11.727	930	733	19	930	0
12-14	18.9	11.114	930	734	38	930	0
15-17	19.2	10.866	930	741	47	930	0
18-20	18.9	11.018	930	733	40	930	0
21-23	17.8	11.772	930	745	29	930	0
ALL HOURS	17.5	12.103	7440	5992	228	7440	0

MONTH: APR

00-02	27.0	9.904	900	492	155	900	0
03-05	26.5	9.904	900	511	141	900	0
06-08	27.0	9.713	900	477	138	900	0
09-11	28.9	9.847	900	430	186	893	0
12-14	29.1	10.317	900	432	180	890	0
15-17	28.5	10.485	900	455	177	888	0
18-20	27.8	10.639	900	459	170	888	0
21-23	27.6	10.312	900	466	170	891	0
ALL HOURS	27.8	10.209	7200	3722	1317	7150	0

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

ON NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 98
UTC: + 5 MONTH: MAR

TAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
930	757	23	930	0	930
930	774	20	930	0	930
930	775	12	930	0	930
930	733	19	930	0	930
930	734	38	930	0	930
930	741	47	930	0	930
930	733	40	930	0	930
930	745	29	930	0	930
7440	5992	228	7440	0	7440

MONTH: APR

900	492	155	900	0	900
900	511	141	900	0	900
900	477	138	900	0	900
900	430	186	893	0	900
900	432	180	890	0	900
900	455	177	888	0	900
900	459	170	888	0	900
900	456	170	891	0	900
7200	3722	1317	7150	0	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES LE 27	GE 37	LE 55	GE 65
00-02	36.2	10.711	930	217	439	901	0
03-05	35.7	10.593	930	216	428	906	0
06-08	37.3	10.232	930	173	474	898	0
09-11	39.0	11.055	930	160	534	872	7
12-14	39.1	11.605	930	169	513	862	10
15-17	38.8	11.975	930	182	497	844	11
18-20	38.0	11.969	930	204	487	849	8
21-23	37.4	11.160	930	212	472	882	3
ALL HOURS	37.7	11.255	7440	1533	3844	7014	39

MONTH: JUN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES LE 27	GE 37	LE 55	GE 65
00-02	45.9	9.346	900	16	740	755	21
03-05	45.2	9.247	900	23	717	770	10
06-08	46.7	8.493	900	4	783	753	12
09-11	48.3	9.157	900	4	801	695	41
12-14	48.4	9.526	900	8	793	677	44
15-17	48.0	9.718	900	12	783	692	44
18-20	47.4	9.931	900	23	767	704	51
21-23	46.9	9.226	900	12	778	731	34
ALL HOURS	47.1	9.427	7200	102	6162	5777	257

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

N NAME: K. I. SAWYER AFB MI
UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: MAY

TAL S	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
930	217	439	901	0	930
930	216	428	906	0	930
930	173	474	898	0	930
930	160	534	872	7	930
930	169	513	862	10	930
930	182	497	844	11	930
930	204	487	849	8	930
930	212	472	882	3	930
7440	1533	3844	7014	39	7440

MONTH: JUN

900	16	740	755	21	900
900	23	717	770	10	900
900	4	783	753	12	900
900	4	801	695	41	900
900	8	793	677	44	900
900	12	783	692	44	900
900	23	767	704	51	900
900	12	778	731	34	900
7200	102	6162	5777	257	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURE LE 27	GE 37	LE 55	GE 65
00-02	53.6	7.863	930	0	912	546	66
03-05	52.6	8.074	930	0	904	564	49
06-08	54.2	7.391	930	0	920	504	71
09-11	56.2	7.360	930	0	926	411	120
12-14	56.3	7.631	930	0	928	420	146
15-17	56.2	7.838	930	0	923	425	142
18-20	55.9	8.029	928	0	919	426	142
21-23	55.2	7.632	927	0	920	474	114
ALL HOURS	55.0	7.874	7435	0	7352	3770	850

MONTH: AUG

00-02	53.5	8.018	930	0	902	540	74
03-05	52.6	8.223	930	0	897	561	61
06-08	53.2	7.859	930	1	909	546	59
09-11	55.5	7.508	930	0	919	455	105
12-14	55.6	7.430	930	0	920	450	124
15-17	55.5	8.066	930	2	918	461	131
18-20	55.4	7.793	929	1	916	462	115
21-23	54.7	7.722	930	0	914	491	92
ALL HOURS	54.5	7.989	7439	4	7295	3966	761

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

ON NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
D UTC: + 5 MONTH: JUL

TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
930	0	912	546	66	930
930	0	904	564	49	930
930	0	920	504	71	930
930	0	926	411	120	930
930	0	928	420	146	930
930	0	923	425	142	930
928	0	919	426	142	928
927	0	920	474	114	927
7435	0	7352	3770	850	7435

MONTH: AUG

930	0	902	540	74	930
930	0	897	561	61	930
930	1	909	546	59	930
930	0	919	455	105	930
930	0	920	450	124	930
930	2	918	461	131	930
930	1	916	462	115	930
930	0	914	491	92	930
7439	4	7295	3966	761	7439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES LE 27	GE 37	LE 55	GE 65
00-02	46.6	9.232	900	13	749	741	13
03-05	46.0	9.407	900	24	735	751	12
06-08	46.1	9.166	900	16	746	748	14
09-11	48.7	8.493	900	0	836	685	33
12-14	49.0	9.482	900	3	810	648	57
15-17	49.1	9.346	900	0	822	662	57
18-20	48.5	9.018	900	0	818	690	39
21-23	47.3	8.942	900	2	782	727	21
ALL HOURS	47.7	9.244	7200	58	6298	5652	246

MONTH: OCT

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES LE 27	GE 37	LE 55	GE 65
00-02	35.0	9.313	930	204	373	911	0
03-05	34.5	9.234	929	215	366	912	0
06-08	34.2	9.156	930	237	352	916	0
09-11	36.3	8.770	930	144	442	916	0
12-14	36.3	9.588	930	166	429	913	0
15-17	35.7	9.710	930	187	413	912	0
18-20	35.9	9.230	930	170	395	907	0
21-23	35.4	9.235	930	180	382	907	0
ALL HOURS	35.4	9.329	7439	1503	3152	7294	0

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

N NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: SEP

TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
900	13	749	741	13	900
900	24	735	751	12	900
900	16	746	748	14	900
900	0	836	685	33	900
900	3	810	648	57	900
900	0	822	662	57	900
900	0	818	690	39	900
900	2	782	727	21	900
7200	58	6298	5652	246	7200

MONTH: OCT

930	204	373	911	0	930
930	215	366	912	0	930
930	237	352	916	0	930
930	144	442	916	0	930
930	166	429	913	0	930
930	187	413	912	0	930
930	170	395	907	0	930
930	180	382	907	0	930
7439	1503	3152	7294	0	7439

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES O			
				LE 27	GE 37	LE 55	GE 65
00-02	23.8	10.402	900	576	95	900	0
03-05	23.4	10.694	900	593	80	900	0
06-08	23.1	10.943	900	599	80	900	0
09-11	24.4	10.350	900	567	102	899	0
12-14	25.5	10.183	900	544	127	897	0
15-17	25.1	10.320	900	548	110	897	0
18-20	24.4	10.150	900	557	104	898	0
21-23	23.8	10.223	900	583	100	900	0
ALL HOURS	24.2	10.466	7200	4567	798	7191	0

MONTH: DEC

00-02	12.8	13.203	930	830	13	930	0
03-05	12.2	13.493	930	832	15	928	0
06-08	11.7	13.798	928	832	13	928	0
09-11	12.8	13.194	930	819	12	930	0
12-14	15.0	11.844	923	801	13	928	0
15-17	14.9	11.932	930	803	11	930	0
18-20	13.7	12.349	930	820	7	930	0
21-23	13.0	12.643	930	828	6	930	0
ALL HOURS	13.3	12.887	7436	6565	90	7434	0

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: NOV

FAL S	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
)	576	95	900	0	900
)	593	80	900	0	900
)	599	80	900	0	900
)	567	102	899	0	900
)	544	127	897	0	900
)	548	110	897	0	900
)	557	104	898	0	900
	583	100	900	0	900
)	4567	798	7191	0	7200

MONTH: DEC

)	830	13	930	0	928
)	832	15	928	0	928
	832	13	928	0	928
	819	12	930	0	928
	801	13	928	0	928
)	803	11	930	0	928
	820	7	930	0	928
)	828	6	930	0	928
)	6565	90	7434	0	7436

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 7
LST TO UTC: + 5 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES LE 27	GE 37	LE 55	GE 65
00-02	30.4	20.008	10959	4746	4404	9833	174
03-05	29.8	20.047	10957	4848	4309	9900	132
06-08	30.0	20.593	10957	4779	4436	9802	156
09-11	31.9	20.509	10957	4508	4783	9463	306
12-14	32.8	19.617	10957	4481	4758	9394	381
15-17	32.7	19.575	10959	4547	4707	9420	385
18-20	32.1	19.864	10956	4595	4631	9463	355
21-23	31.3	20.012	10956	4670	4559	9642	264
ALL HOURS	31.4	20.061	87658	37174	36587	76917	2153

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI
UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: ALL

TAL S	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
959	4746	4404	9833	174	10959
957	4848	4309	9900	132	10957
957	4779	4436	9802	156	10957
957	4508	4783	9463	306	10957
957	4481	4758	9394	381	10957
959	4547	4707	9420	385	10959
956	4595	4631	9463	355	10956
956	4670	4559	9642	264	10956
654	37174	36587	76917	2153	87658

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOT
00-02	100.0	100.0	99.9	99.4	91.9	78.6	59.6	32.3	11.9	72.0	
03-05	100.0	100.0	100.0	99.9	93.8	78.9	59.8	32.0	11.1	72.3	
06-08	100.0	100.0	99.9	99.5	93.7	78.3	60.6	33.8	12.5	72.4	
09-11	100.0	100.0	100.0	98.8	92.1	79.7	58.3	29.5	12.1	71.5	
12-14	100.0	100.0	99.6	95.9	82.9	67.7	44.6	19.0	5.9	66.2	
15-17	100.0	100.0	99.9	93.5	77.6	64.6	39.9	18.6	5.2	64.3	
18-20	100.0	100.0	100.0	98.0	87.2	71.3	53.0	25.5	7.1	68.9	
21-23	100.0	100.0	100.0	99.2	92.0	77.8	57.1	29.6	10.3	71.2	
ALL HOURS	100.0	100.0	99.9	98.0	88.9	74.3	54.1	27.5	9.5	71.2	7

MONTH: FEB

00-02	100.0	100.0	99.9	99.9	94.0	83.0	61.0	34.6	13.3	73.3	
03-05	100.0	100.0	100.0	100.0	95.9	81.7	65.3	35.9	14.3	74.0	
06-08	100.0	100.0	100.0	100.0	94.9	81.7	64.8	35.5	15.3	74.0	
09-11	100.0	100.0	99.9	99.4	95.0	80.0	58.7	28.2	11.7	71.9	
12-14	100.0	99.9	99.5	95.1	79.5	61.5	38.8	16.1	5.5	64.1	
15-17	100.0	100.0	98.8	89.9	74.7	56.5	37.0	15.7	3.9	62.1	
18-20	100.0	100.0	99.9	96.2	85.4	69.5	47.7	23.4	6.3	67.4	
21-23	100.0	100.0	100.0	99.9	93.8	80.7	56.7	32.4	9.9	71.8	
ALL HOURS	100.0	100.0	99.7	97.4	89.1	74.3	53.7	27.7	10.1	71.8	6

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
T TO UTC: + 5 MONTH: JAN

RELATIVE HUMIDITY GREATER THAN OR EQUAL TO								
[illegible]%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
[illegible].0	99.4	91.9	78.6	59.6	32.3	11.8	72.0	930
[illegible].0	99.9	93.8	78.9	59.8	32.0	11.1	72.3	929
[illegible].0	99.5	93.7	78.3	60.6	33.8	12.5	72.4	930
[illegible].0	98.8	92.1	79.7	59.3	29.5	12.1	71.5	929
[illegible].6	95.9	82.9	67.7	44.6	19.0	5.9	66.2	930
[illegible].9	93.5	77.6	64.6	39.9	18.6	5.2	64.3	930
[illegible].0	98.0	87.2	71.3	53.0	25.5	7.1	68.9	930
[illegible].0	99.2	92.0	77.8	57.1	29.6	10.3	71.2	930
[illegible].3	98.0	88.9	74.8	54.1	27.5	9.5	71.2	7438

MONTH: FEB

[illegible].7	99.9	94.0	83.0	61.0	34.6	13.3	73.3	849
[illegible].1	100.0	95.9	81.7	65.3	35.9	14.3	74.0	849
100.0	100.0	94.9	81.7	64.8	35.5	15.3	74.0	849
[illegible].3	99.4	95.0	80.0	58.7	28.2	11.7	71.9	848
[illegible].5	95.1	79.5	61.5	38.8	16.1	5.5	64.1	849
[illegible].2	99.9	74.7	56.5	37.0	15.7	3.9	62.1	849
[illegible].9	96.2	85.4	69.5	47.7	23.4	6.3	67.4	849
[illegible].1	99.9	93.8	80.7	56.7	32.4	9.9	71.8	849
[illegible].7	97.4	89.1	74.3	53.7	27.7	10.1	71.8	6791

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78
LST TO UTC: + 5 MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOT
00-02	100.0	100.0	99.9	99.0	94.5	86.3	66.8	39.8	16.2	74.8	
03-05	100.0	100.0	100.0	99.6	95.3	87.3	69.5	45.3	18.5	76.1	
06-08	100.0	100.0	100.0	99.1	95.6	89.1	71.0	44.4	18.0	76.5	
09-11	100.0	100.0	100.0	97.1	92.4	77.4	55.2	31.7	12.9	71.3	
12-14	100.0	99.9	97.2	90.4	73.7	58.2	38.2	21.1	8.9	63.3	
15-17	100.0	99.6	96.1	85.9	70.8	55.2	37.5	20.1	8.9	61.9	
18-20	100.0	99.9	98.7	93.0	83.0	67.6	45.8	25.2	10.8	67.1	
21-23	100.0	100.0	99.7	98.0	92.9	82.3	60.1	35.6	14.8	73.1	
ALL HOURS	100.0	99.9	99.0	95.3	87.3	75.4	55.5	32.9	13.6	73.1	7

MONTH: APR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOT
00-02	100.0	100.0	99.7	97.4	92.0	82.4	60.3	39.8	19.4	74.1	
03-05	100.0	100.0	100.0	98.8	94.7	86.3	70.1	45.3	20.6	76.6	
06-08	100.0	100.0	100.0	98.1	94.0	85.3	67.7	46.1	23.4	76.6	
09-11	100.0	99.6	96.8	88.4	76.7	59.4	42.2	25.6	13.4	65.1	
12-14	100.0	97.8	90.2	74.8	58.4	43.3	30.2	20.4	8.4	57.2	
15-17	100.0	96.8	88.1	70.4	53.8	39.2	27.4	16.3	7.0	54.8	
18-20	100.0	98.9	92.9	80.2	64.6	48.3	31.9	19.7	9.4	59.1	
21-23	100.0	100.0	98.6	93.4	85.8	71.9	49.4	30.0	13.7	69.2	
ALL HOURS	100.0	99.1	95.8	87.7	77.5	64.5	47.4	30.4	14.4	69.2	7

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

TION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: MAR

RELATIVE HUMIDITY GREATER THAN OR EQUAL TO								
	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
.9	99.0	94.5	86.3	66.8	39.8	16.2	74.8	930
.0	99.6	95.3	87.3	69.5	45.3	18.5	76.1	930
.0	99.1	95.6	89.1	71.0	44.4	18.0	76.5	930
.0	97.1	92.4	77.4	55.2	31.7	12.9	71.3	930
.2	90.4	73.7	58.2	38.2	21.1	8.9	63.3	930
.1	85.9	70.8	55.2	37.5	20.1	8.9	61.9	930
.7	93.0	83.0	67.6	45.8	25.2	10.8	67.1	930
.7	98.0	92.9	82.3	60.1	35.6	14.8	73.1	930
.0	95.3	87.3	75.4	55.5	32.9	13.6	73.1	7440

MONTH: APR

.7	97.4	92.0	82.4	60.3	39.8	19.4	74.1	900
.0	98.8	94.7	86.3	70.1	45.3	20.6	76.6	900
.0	98.1	94.0	85.3	67.7	46.1	23.4	76.6	900
.3	88.4	76.7	59.4	42.2	25.6	13.4	65.1	900
.2	74.8	58.4	43.3	30.2	20.4	8.4	57.2	900
.1	70.4	53.8	39.2	27.4	16.3	7.0	54.8	900
.9	80.2	64.6	49.3	31.9	19.7	9.4	59.1	900
.5	93.4	85.8	71.9	49.4	30.0	13.7	69.2	900
.2	87.7	77.5	64.5	47.4	30.4	14.4	69.2	7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDI
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL
00-02	100.0	100.0	100.0	98.8	94.4	81.7	63.4	37.4	15.2	73.8	93
03-05	100.0	100.0	99.9	99.6	97.0	89.2	72.5	46.0	17.5	77.1	93
06-08	100.0	100.0	99.5	97.5	92.7	83.3	66.0	41.6	15.2	74.3	93
09-11	100.0	98.9	93.0	80.0	65.5	48.7	31.6	18.4	8.2	59.0	93
12-14	100.0	97.0	83.4	65.9	52.6	36.0	23.1	13.7	5.6	52.2	93
15-17	100.0	96.9	82.6	65.7	47.4	33.8	21.3	11.3	4.9	50.8	93
18-20	100.0	98.5	90.0	74.7	58.3	42.4	28.0	14.6	6.2	55.8	93
21-23	100.0	100.0	99.4	93.8	82.5	65.4	46.8	27.6	10.2	67.4	93
ALL HOURS	100.0	98.9	93.5	84.5	73.8	60.1	44.1	26.3	10.4	67.4	744

MONTH: JUN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL
00-02	100.0	100.0	100.0	99.8	98.0	92.3	72.0	44.9	16.2	76.9	90
03-05	100.0	100.0	100.0	100.0	99.3	96.2	83.3	56.9	18.1	80.2	90
06-08	100.0	100.0	100.0	99.4	96.3	88.8	67.6	42.4	14.1	75.6	90
09-11	100.0	100.0	98.1	89.9	73.1	48.8	27.4	13.9	6.7	60.2	90
12-14	100.0	99.6	93.7	78.4	54.0	34.2	18.3	8.9	3.7	53.5	90
15-17	100.0	99.7	93.2	74.2	51.7	32.1	19.2	9.2	3.3	52.8	90
18-20	100.0	99.6	95.7	85.0	62.6	42.2	26.8	13.3	3.9	57.5	90
21-23	100.0	100.0	99.9	98.2	90.4	73.1	51.1	29.7	9.8	69.8	90
ALL HOURS	100.0	99.9	97.6	90.6	78.2	63.5	45.7	27.4	9.5	69.8	720

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

TION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 — MONTH: MAY

RELATIVE HUMIDITY GREATER THAN OR EQUAL TO								
	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
.0	98.8	94.4	81.7	63.4	37.4	15.2	73.8	930
.9	99.6	97.0	89.2	72.5	46.0	17.5	77.1	930
.3	97.5	92.7	83.3	66.0	41.6	15.2	74.3	930
.0	80.0	65.5	48.7	31.6	18.4	8.2	59.0	930
.4	65.9	52.6	36.0	23.1	13.7	5.6	52.2	930
.6	65.7	47.4	33.8	21.3	11.3	4.9	50.8	930
.0	74.7	58.3	42.4	28.0	14.6	6.2	55.8	930
.4	93.8	82.5	65.4	46.8	27.6	10.2	67.4	930
.5	84.5	73.8	60.1	44.1	26.3	10.4	67.4	7440

MONTH: JUN

.0	99.8	98.0	92.3	72.0	44.9	16.2	76.9	900
.0	100.0	99.3	96.2	83.3	56.9	18.1	80.2	900
.0	99.4	96.3	88.8	67.6	42.4	14.1	75.6	900
.1	89.9	73.1	48.8	27.4	13.9	6.7	60.1	900
.7	78.4	54.0	34.2	18.3	8.9	3.7	53.5	900
.2	74.2	51.7	32.1	19.2	9.2	3.3	52.8	900
.7	85.0	62.6	42.2	26.8	13.3	3.9	57.5	900
.9	93.2	90.4	73.1	51.1	29.7	9.8	69.8	900
.6	90.6	78.2	63.5	45.7	27.4	9.5	69.8	7200

OPERATING LOCATION "A" — CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG
LST TO UTC: + 5 — MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN
00-02	100.0	100.0	100.0	100.0	99.8	97.2	84.9	57.8	25.4	81.0
03-05	100.0	100.0	100.0	100.0	100.0	99.7	93.3	71.3	31.9	84.2
06-08	100.0	100.0	100.0	100.0	99.1	96.0	83.9	59.0	24.5	80.7
09-11	100.0	100.0	99.7	95.7	82.2	60.5	36.6	17.6	6.7	64.2
12-14	100.0	100.0	96.7	86.9	59.1	37.7	19.5	8.9	3.4	55.7
15-17	100.0	99.7	96.1	84.5	60.5	37.6	19.5	9.9	3.9	55.7
18-20	100.0	100.0	98.8	91.3	74.9	51.5	28.9	15.0	6.9	61.2
21-23	100.0	100.0	100.0	99.5	97.0	85.7	62.2	33.5	13.9	73.7
ALL HOURS	100.0	100.0	98.9	94.7	84.1	70.7	53.6	34.1	14.6	73.7

MONTH: AUG

00-02	100.0	100.0	100.0	100.0	100.0	99.7	94.5	75.2	37.7	85.2
03-05	100.0	100.0	100.0	100.0	100.0	99.9	95.5	79.5	44.8	86.7
06-08	100.0	100.0	100.0	100.0	100.0	99.0	94.7	78.3	41.4	86.1
09-11	100.0	100.0	100.0	99.4	92.9	78.7	56.1	33.5	16.2	72.0
12-14	100.0	100.0	99.9	94.7	76.9	53.1	30.9	16.3	6.9	62.3
15-17	100.0	100.0	99.5	92.2	71.0	52.5	32.7	15.6	7.0	61.3
18-20	100.0	100.0	100.0	97.5	87.8	69.6	49.5	25.0	9.6	68.3
21-23	100.0	100.0	100.0	100.0	99.9	95.9	83.2	57.5	25.3	80.5
ALL HOURS	100.0	100.0	99.9	98.0	91.1	81.1	67.1	47.6	23.6	80.5

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 - JUL 88
LST TO UTC: + 5 — MONTH: JUL

RELATIVE HUMIDITY GREATER THAN OR EQUAL TO								
30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
100.0	100.0	99.8	97.2	84.9	57.8	25.4	81.0	930
100.0	100.0	100.0	99.7	93.3	71.3	31.9	84.2	930
100.0	100.0	99.1	96.0	83.9	59.0	24.5	80.7	930
99.7	95.7	82.2	60.5	36.6	17.6	6.7	64.2	930
96.7	86.9	59.1	37.7	19.5	8.9	3.4	55.7	930
96.1	84.5	60.5	37.6	19.5	9.9	3.9	55.7	930
98.8	91.3	74.9	51.5	28.9	15.0	6.9	61.2	928
100.0	99.5	97.0	85.7	62.2	33.5	13.9	73.7	927
98.9	94.7	84.1	70.7	53.6	34.1	14.6	73.7	7435

MONTH: AUG

100.0	100.0	100.0	99.7	94.5	75.2	37.7	85.2	930
100.0	100.0	100.0	99.9	95.5	79.5	44.8	86.7	930
100.0	100.0	100.0	99.0	94.7	78.3	41.4	86.1	930
100.0	99.4	92.9	78.7	56.1	33.5	16.2	72.0	930
99.9	94.7	76.9	53.1	30.9	16.3	6.9	62.3	930
99.5	92.2	71.0	52.5	32.7	15.6	7.0	61.3	930
100.0	97.5	87.8	69.6	49.5	25.0	9.6	68.3	929
100.0	100.0	99.9	95.9	83.2	57.5	25.3	80.5	930
99.9	98.0	91.1	81.1	67.1	47.6	23.6	80.5	7439

OPERATING LOCATION "A" CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE H
USAFETAC, ASHEVILLE NC FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5 MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN
00-02	100.0	100.0	100.0	100.0	100.0	99.1	94.6	72.0	32.7	84.9
03-05	100.0	100.0	100.0	100.0	100.0	99.8	96.6	77.3	38.2	86.4
06-08	100.0	100.0	100.0	100.0	100.0	99.8	97.1	80.1	42.2	86.9
09-11	100.0	100.0	100.0	99.8	97.1	87.7	67.4	42.3	22.1	76.2
12-14	100.0	100.0	99.6	94.8	81.7	64.4	43.1	26.4	12.6	66.6
15-17	100.0	100.0	99.4	94.1	80.9	64.2	42.7	25.4	12.2	66.5
18-20	100.0	100.0	99.9	99.2	95.3	83.7	62.8	33.6	16.8	74.2
21-23	100.0	100.0	100.0	100.0	100.0	98.1	87.1	63.6	26.4	82.4
ALL HOURS	100.0	100.0	99.9	98.5	94.4	87.1	73.9	53.2	25.4	82.4

MONTH: OCT

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN
00-02	100.0	100.0	100.0	99.7	99.1	96.3	86.1	64.2	25.9	82.0
03-05	100.0	100.0	100.0	100.0	99.4	97.0	87.6	66.8	29.0	83.2
06-08	100.0	100.0	100.0	100.0	99.6	98.4	88.7	64.9	27.1	83.2
09-11	100.0	100.0	100.0	99.4	96.6	86.8	67.0	43.0	17.8	76.0
12-14	100.0	100.0	98.9	92.7	79.7	60.6	39.1	23.5	9.8	65.0
15-17	100.0	99.9	99.0	98.2	74.8	59.1	36.7	19.7	8.3	63.1
18-20	100.0	100.0	99.8	98.4	92.7	80.4	61.6	35.8	13.4	73.0
21-23	100.0	100.0	100.0	99.4	98.5	93.7	81.4	53.9	21.8	79.9
ALL HOURS	100.0	100.0	99.6	97.2	92.5	84.0	68.5	46.5	19.1	79.8

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
UTC: + 5 MONTH: SEP

VE HUMIDITY GREATER THAN OR EQUAL TO 40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
100.0	100.0	99.1	94.6	72.0	32.7	84.9	900
100.0	100.0	99.8	96.6	77.3	38.2	86.4	900
100.0	100.0	99.8	97.1	80.1	42.2	86.9	900
99.8	97.1	87.7	67.4	42.3	22.1	76.2	900
94.8	81.7	64.4	43.1	26.4	12.6	66.6	900
94.1	80.9	64.2	42.7	25.4	12.2	66.5	900
99.2	95.3	83.7	62.8	33.6	16.8	74.2	900
100.0	100.0	98.1	87.1	63.6	26.4	82.4	900
98.5	94.4	87.1	73.9	53.2	25.4	82.4	7200

MONTH: OCT

99.7	99.1	96.3	86.1	64.2	25.9	82.0	930
100.0	99.4	97.0	87.6	66.8	29.0	83.2	929
100.0	99.6	98.4	88.7	64.9	27.1	83.2	930
99.4	96.6	86.8	67.0	43.0	17.8	76.0	930
92.7	79.7	60.6	39.1	23.5	9.8	65.0	930
88.2	74.8	59.1	36.7	19.7	8.3	63.1	930
98.4	92.7	80.4	61.6	35.8	13.4	73.0	930
99.4	98.5	93.7	81.4	53.9	21.8	79.8	930
97.2	92.5	84.0	68.5	46.5	19.1	79.8	7439

OPERATING LOCATION "A" — CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMI
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG 78 -
LST TO UTC: + 5 — MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOT
00-02	100.0	100.0	100.0	99.4	96.3	89.9	68.7	41.3	17.3	76.2	9
03-05	100.0	100.0	100.0	99.4	97.7	90.6	72.4	42.2	16.8	76.7	9
06-08	100.0	100.0	100.0	99.3	98.2	91.9	73.7	46.4	19.3	77.7	9
09-11	100.0	100.0	99.8	98.9	97.2	85.1	66.2	38.9	14.3	74.9	9
12-14	100.0	99.6	98.8	96.0	87.0	66.6	44.4	26.0	11.3	67.7	9
15-17	99.9	99.7	98.1	92.4	82.4	63.3	41.9	25.0	10.9	66.1	9
18-20	100.0	100.0	99.6	97.9	90.8	78.4	55.0	33.2	13.1	71.8	9
21-23	100.0	100.0	100.0	99.2	95.4	87.4	64.6	38.2	14.7	74.8	9
ALL HOURS	100.0	99.9	99.5	97.8	93.1	81.7	60.9	36.4	14.7	74.8	72

MONTH: DEC

00-02	100.0	100.0	100.0	99.9	97.5	86.2	65.4	38.1	19.4	75.5	9
03-05	100.0	100.0	100.0	99.7	98.1	88.3	67.6	41.4	17.3	75.9	9
06-08	100.0	100.0	100.0	99.8	98.4	88.1	68.2	41.4	17.3	76.1	9
09-11	100.0	100.0	100.0	100.0	98.0	87.8	66.8	39.5	16.7	75.7	9
12-14	100.0	100.0	99.8	98.7	91.8	75.4	53.4	26.8	12.4	70.5	9
15-17	100.0	100.0	99.8	97.6	88.8	69.7	49.4	25.2	12.2	69.0	9
18-20	100.0	100.0	100.0	99.2	94.9	80.8	60.9	33.3	14.4	73.0	9
21-23	100.0	100.0	100.0	99.4	96.7	85.4	65.4	37.6	18.0	74.9	9
ALL HOURS	100.0	100.0	99.9	99.3	95.5	82.7	62.1	35.4	15.9	74.9	74

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

ON NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
E UTC: + 5 MONTH: NOV

ATIVE HUMIDITY GREATER THAN OR EQUAL TO 40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
99.4	96.3	89.9	68.7	41.3	17.3	76.2	900
99.4	97.7	90.6	72.4	42.2	16.8	76.7	900
99.3	98.2	91.9	73.7	46.4	19.3	77.7	900
98.9	97.2	85.1	66.2	38.9	14.3	74.9	900
96.0	87.0	66.6	44.4	26.0	11.3	67.7	900
92.4	82.4	63.3	41.9	25.0	10.9	66.1	900
97.9	90.8	78.4	55.0	33.2	13.1	71.8	900
99.2	95.4	87.4	64.6	38.2	14.7	74.8	900
97.8	93.1	81.7	60.9	36.4	14.7	74.8	7200

MONTH: DEC

99.9	97.5	86.2	65.4	38.1	19.4	75.5	930
99.7	98.1	88.3	67.6	41.4	17.3	75.9	930
99.8	98.4	88.1	68.2	41.4	17.3	76.1	928
100.0	98.0	87.8	66.8	39.5	16.7	75.7	930
98.7	91.8	75.4	53.4	26.8	12.4	70.5	928
97.6	88.8	69.7	49.4	25.2	12.2	69.0	930
99.2	94.9	80.8	60.9	33.3	14.4	73.0	930
99.4	96.7	85.4	65.4	37.6	18.0	74.9	930
99.3	95.5	82.7	62.1	35.4	15.9	74.9	7436

OPERATING LOCATION "A" — CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HU
USAFETAC, ASHEVILLE NC — FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 — STATION NAME: K. I. SAWYER AFB MI — PERIOD OF RECORD: AUG
LST TO UTC: + 5 — MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN
00-02	100.0	100.0	99.9	99.4	96.5	89.4	73.2	48.2	20.9	77.5
03-05	100.0	100.0	100.0	99.7	97.6	91.3	77.9	53.4	23.2	79.1
06-08	100.0	100.0	99.9	99.4	96.9	90.1	75.4	51.3	22.6	78.4
09-11	100.0	99.9	99.9	95.5	88.2	73.4	52.8	30.2	13.2	69.8
12-14	100.0	99.5	96.4	88.7	73.1	54.9	35.3	18.9	7.9	62.0
15-17	100.0	99.3	95.8	85.7	69.5	52.3	33.7	17.7	7.3	60.7
18-20	100.0	99.7	97.9	92.6	81.5	65.5	46.0	25.2	9.9	66.4
21-23	100.0	100.0	99.8	98.2	93.7	83.1	63.8	39.1	15.8	74.1
ALL HOURS	100.0	99.9	98.6	94.9	87.1	75.0	57.3	35.5	15.1	71.0

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

TION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TO UTC: + 5 MONTH: ALL

LATIVE HUMIDITY GREATER THAN OR EQUAL TO							
40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
99.4	96.5	89.4	73.2	48.2	20.9	77.5	10959
99.7	97.6	91.3	77.9	53.4	23.2	79.1	10957
99.4	96.9	90.1	75.4	51.3	22.6	78.4	10957
95.5	88.2	73.4	52.8	30.2	13.2	69.9	10957
88.7	73.1	54.9	35.3	18.9	7.9	62.0	10957
85.7	69.5	52.3	33.7	17.7	7.3	60.7	10959
92.5	81.5	65.5	46.0	25.2	9.9	66.4	10956
98.2	93.7	83.1	63.8	39.1	15.8	74.1	10956
94.9	87.1	75.0	57.3	35.5	15.1	71.0	87658

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
0100	MEAN	1016.4	1018.3	1016.3	1014.5	1014.8	1013.7	1015.0	1015.8	1016.2	1016.3
	SD	9.785	9.409	8.845	8.137	6.883	6.092	4.772	5.411	6.408	8.547
	TOT OBS	310	283	310	300	310	300	310	310	300	310
0400	MEAN	1016.4	1018.2	1016.0	1014.2	1014.7	1013.6	1014.8	1015.7	1016.0	1016.1
	SD	9.879	9.506	9.003	8.476	7.048	6.333	4.949	5.508	6.569	8.729
	TOT OBS	310	283	310	300	310	300	310	310	300	310
0700	MEAN	1016.4	1018.5	1016.4	1014.8	1015.4	1014.3	1015.4	1016.3	1016.6	1016.5
	SD	10.077	9.670	9.150	8.321	7.162	6.418	5.057	5.616	6.730	8.927
	TOT OBS	310	283	310	300	310	300	310	310	300	310
1000	MEAN	1016.9	1019.0	1016.8	1015.0	1015.4	1014.4	1015.4	1016.5	1016.8	1016.9
	SD	10.193	9.786	9.233	8.877	7.231	6.381	5.069	5.554	6.792	9.006
	TOT OBS	310	282	310	300	310	300	310	310	300	310
1300	MEAN	1016.3	1018.4	1016.4	1014.7	1015.0	1014.1	1015.1	1016.2	1016.3	1016.4
	SD	9.994	9.800	9.173	8.567	7.113	6.116	4.879	5.408	6.711	8.739
	TOT OBS	310	283	310	300	310	300	310	310	300	310
1600	MEAN	1015.9	1017.6	1015.6	1014.1	1014.4	1013.7	1014.6	1015.6	1015.6	1015.9
	SD	9.713	9.630	8.925	8.156	6.911	5.846	4.709	5.228	6.479	8.443
	TOT OBS	310	233	310	300	309	300	310	310	300	310
1900	MEAN	1016.7	1018.4	1016.1	1014.5	1014.4	1013.6	1014.4	1015.5	1015.9	1016.6
	SD	9.596	9.432	8.839	7.781	6.758	5.691	4.556	5.108	6.367	8.285
	TOT OBS	310	283	310	300	310	300	309	310	300	310
2200	MEAN	1016.8	1018.5	1016.4	1015.0	1014.9	1014.1	1014.9	1016.0	1016.4	1016.8
	SD	9.663	9.415	8.809	7.674	6.729	5.778	4.478	5.155	6.282	8.420
	TOT OBS	310	283	310	300	310	300	309	309	300	309
ALL HOURS	MEAN	1016.5	1018.4	1016.2	1014.6	1014.9	1013.9	1014.9	1015.9	1016.2	1016.4
	SD	9.869	9.589	9.005	8.328	6.991	6.095	4.825	5.367	6.554	8.646
	TOT OBS	2480	2263	2480	2400	2479	2400	2479	2479	2400	2479

SEA LEVEL PRESSURE IN MILLIBARS
FROM HOURLY OBSERVATIONS

IF: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
+ 5

	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
.3	1014.5	1014.3	1013.7	1015.0	1015.8	1016.2	1016.3	1016.7	1016.0	1015.3
45	8.137	6.883	6.092	4.772	5.411	6.408	8.547	9.344	9.749	8.039
10	300	310	300	310	310	300	310	300	310	3653
.0	1014.2	1014.7	1013.6	1014.8	1015.7	1016.0	1016.1	1016.6	1016.1	1015.7
03	8.476	7.048	6.333	4.949	5.508	6.569	8.729	9.393	9.820	8.185
10	300	310	300	310	310	300	310	300	310	3653
.4	1014.8	1015.4	1014.3	1015.4	1016.3	1016.6	1016.5	1016.7	1016.2	1016.1
50	8.321	7.162	6.418	5.057	5.616	6.730	8.927	9.594	10.013	8.338
10	300	310	300	310	310	300	310	300	310	3653
.3	1015.0	1015.4	1014.4	1015.4	1016.5	1016.8	1016.9	1017.2	1016.7	1016.4
33	8.877	7.231	6.381	5.069	5.554	6.792	9.006	9.782	10.083	8.424
10	300	310	300	310	310	300	310	300	310	3652
.4	1014.7	1015.0	1014.1	1015.1	1016.2	1016.3	1016.4	1016.4	1016.0	1015.9
73	8.567	7.113	6.116	4.879	5.408	6.711	8.739	9.789	10.192	8.302
10	300	310	300	310	310	300	310	300	310	3653
.3	1014.1	1014.4	1013.7	1014.6	1015.6	1015.6	1015.9	1015.9	1015.6	1015.4
25	8.156	6.911	5.846	4.709	5.228	6.479	8.443	9.618	10.037	8.069
10	300	309	300	310	310	300	310	300	310	3652
.1	1014.5	1014.4	1013.6	1014.4	1015.5	1015.9	1016.6	1016.6	1016.3	1015.7
37	7.781	6.758	5.691	4.556	5.108	6.367	8.285	9.483	10.030	7.969
10	300	310	300	309	310	300	310	300	310	3652
.4	1015.0	1014.9	1014.1	1014.9	1016.0	1016.4	1016.8	1016.7	1016.3	1016.1
19	7.674	6.729	5.778	4.478	5.155	6.282	8.420	9.430	9.867	7.928
10	300	310	300	309	309	300	309	299	310	3649
.2	1014.6	1014.9	1013.9	1014.9	1015.9	1016.2	1016.4	1016.6	1016.1	1015.9
05	8.328	6.991	6.095	4.825	5.387	6.554	8.646	9.561	9.979	8.164
00	2400	2479	2400	2478	2479	2400	2479	2399	2480	29217

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT      FFFFFFFFFF
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT      FFFFFFFFFF
PP      PP     AA    AA     RR     RR         TT          FF
PP      PP     AA    AA     RR     RR         TT          FF
PPPPPPPPP      AA    AA     RRRRRRRRR         TT          FFFFFF
PPPPPPPP       AAAAAAAAAA   RRRRRRRR          TT          FFFFFF
PP             AAAAAAAAAA   RR    RR          TT          FF
PP             AA    AA     RR     RR         TT          FF
PP             AA    AA     RR     RR         TT          FF
PP             AA    AA     RR     RR         TT          FF
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PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.
IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.
IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.
IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
0100	MEAN	29.94	30.00	29.96	29.93	29.95	29.93	29.98	30.00	30.00	29.99
	SD	.278	.266	.253	.236	.197	.175	.137	.155	.181	.246
	TOT OBS	310	283	310	300	310	300	310	310	300	310
0400	MEAN	29.94	30.00	29.95	29.92	29.95	29.93	29.97	30.00	30.00	29.98
	SD	.281	.269	.256	.245	.202	.181	.142	.157	.187	.252
	TOT OBS	310	283	310	300	310	300	310	310	299	310
0700	MEAN	29.94	30.00	29.96	29.93	29.97	29.95	29.99	30.01	30.01	29.99
	SD	.286	.273	.261	.256	.206	.185	.146	.160	.191	.258
	TOT OBS	310	283	310	300	310	299	310	310	300	310
1000	MEAN	29.95	30.02	29.97	29.94	29.97	29.95	29.99	30.02	30.02	30.00
	SD	.289	.278	.264	.257	.209	.185	.148	.160	.194	.261
	TOT OBS	310	281	310	300	310	300	310	310	300	310
1300	MEAN	29.94	30.00	29.96	29.93	29.96	29.94	29.98	30.01	30.00	29.99
	SD	.286	.279	.264	.248	.205	.177	.141	.155	.191	.253
	TOT OBS	310	282	310	300	310	300	310	310	300	310
1600	MEAN	29.93	29.98	29.94	29.92	29.94	29.93	29.97	29.99	29.98	29.97
	SD	.278	.273	.256	.236	.198	.169	.135	.150	.185	.244
	TOT OBS	309	283	310	300	309	300	310	310	300	310
1900	MEAN	29.95	30.00	29.95	29.92	29.94	29.93	29.96	29.99	29.99	29.99
	SD	.273	.266	.253	.224	.194	.164	.131	.146	.181	.239
	TOT OBS	310	283	310	300	310	300	309	310	300	309
2200	MEAN	29.95	30.00	29.96	29.94	29.95	29.94	29.98	30.00	30.00	30.00
	SD	.274	.265	.253	.222	.194	.166	.130	.148	.179	.243
	TOT OBS	310	283	310	300	310	300	309	310	300	310
ALL HOURS	MEAN	29.94	30.00	29.95	29.93	29.95	29.94	29.98	30.00	30.00	29.99
	SD	.281	.271	.258	.241	.201	.176	.139	.154	.187	.250
	TOT OBS	2479	2261	2480	2400	2479	2399	2478	2480	2399	2479

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

ION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
TI UTC: + 5

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
	29.96	29.93	29.95	29.93	29.98	30.00	30.00	29.99	29.98	29.94	29.97
	.253	.236	.197	.175	.137	.155	.181	.246	.268	.280	.229
	310	300	310	300	310	310	300	310	300	310	3653
	29.95	29.92	29.95	29.93	29.97	30.00	30.00	29.98	29.98	29.94	29.96
	.256	.245	.202	.181	.142	.157	.187	.252	.269	.283	.233
	310	300	310	300	310	310	299	310	299	310	3651
	29.96	29.93	29.97	29.95	29.99	30.01	30.01	29.99	29.98	29.94	29.97
	.261	.256	.206	.185	.146	.160	.191	.258	.275	.287	.238
	310	300	310	299	310	310	300	310	300	310	3652
	29.97	29.94	29.97	29.95	29.99	30.02	30.02	30.00	29.99	29.96	29.98
	.264	.257	.209	.185	.148	.160	.194	.261	.281	.289	.241
	310	300	310	300	310	310	300	310	300	310	3651
	29.96	29.93	29.96	29.94	29.98	30.01	30.00	29.99	29.97	29.94	29.97
	.264	.248	.205	.177	.141	.155	.191	.253	.282	.293	.238
	310	300	310	300	310	310	300	310	300	310	3652
	29.94	29.92	29.94	29.93	29.97	29.99	29.98	29.97	29.96	29.93	29.95
	.256	.236	.198	.169	.135	.150	.185	.244	.277	.289	.231
	310	300	309	300	310	310	300	310	300	310	3651
	29.95	29.92	29.94	29.93	29.96	29.99	29.99	29.99	29.97	29.95	29.96
	.253	.224	.194	.164	.131	.146	.181	.239	.272	.288	.226
	310	300	310	300	309	310	300	309	300	310	3651
	29.96	29.94	29.95	29.94	29.98	30.00	30.00	30.00	29.98	29.94	29.97
	.253	.222	.194	.166	.130	.148	.179	.243	.271	.283	.226
	310	300	310	300	309	310	300	310	299	310	3651
	29.95	29.93	29.95	29.94	29.98	30.00	30.00	29.99	29.98	29.94	29.97
	.258	.241	.201	.176	.139	.154	.187	.250	.274	.286	.233
	2480	2400	2479	2399	2478	2480	2399	2479	2398	2480	29212

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

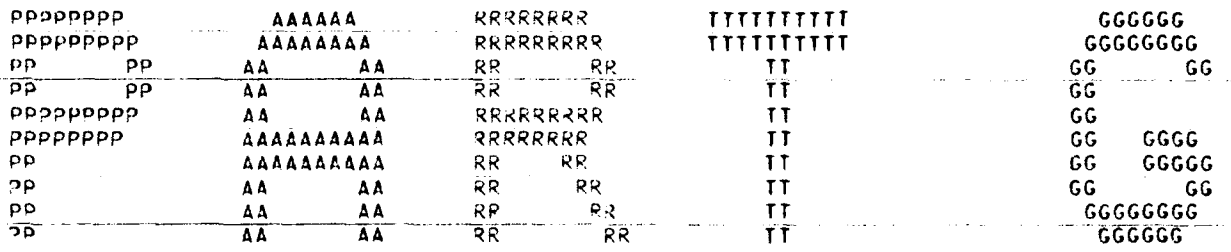
STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG
LST TO UTC: + 5

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
0100	MEAN	28.63	28.69	28.65	28.62	28.65	28.63	28.67	28.69	28.69	28.6
	SD	.268	.256	.245	.227	.190	.169	.132	.150	.175	.23
	TOT OBS	310	283	310	300	310	300	310	310	300	31
0400	MEAN	28.63	28.69	28.64	28.61	28.64	28.62	28.67	28.69	28.69	28.6
	SD	.271	.259	.248	.236	.194	.175	.136	.152	.181	.24
	TOT OBS	310	283	310	300	310	300	310	310	299	31
0700	MEAN	28.63	28.69	28.65	28.62	28.66	28.64	28.68	28.70	28.70	28.6
	SD	.276	.263	.252	.246	.198	.179	.141	.155	.185	.25
	TOT OBS	310	283	310	300	310	299	310	310	300	31
1000	MEAN	28.65	28.71	28.66	28.63	28.66	28.65	28.68	28.71	28.71	28.6
	SD	.279	.268	.256	.248	.202	.178	.142	.155	.188	.25
	TOT OBS	310	281	310	300	310	300	310	310	300	31
1300	MEAN	28.63	28.70	28.65	28.63	28.65	28.64	28.67	28.70	28.69	28.6
	SD	.276	.269	.256	.240	.197	.171	.136	.150	.185	.24
	TOT OBS	310	282	310	300	310	300	310	310	300	31
1600	MEAN	28.62	28.67	28.63	28.61	28.63	28.63	28.66	28.68	28.67	28.6
	SD	.268	.263	.248	.227	.191	.163	.130	.145	.178	.23
	TOT OBS	309	283	310	300	309	300	310	310	300	31
1900	MEAN	28.64	28.69	28.64	28.62	28.63	28.62	28.66	28.68	28.68	28.6
	SD	.263	.256	.245	.216	.187	.158	.127	.141	.175	.23
	TOT OBS	310	283	310	300	310	300	309	310	300	30
2200	MEAN	28.64	28.70	28.65	28.63	28.65	28.64	28.67	28.69	28.69	28.6
	SD	.264	.256	.245	.214	.187	.161	.125	.143	.173	.23
	TOT OBS	310	283	310	300	310	300	309	310	300	31
ALL HOURS	MEAN	28.63	28.69	28.65	28.62	28.65	28.63	28.67	28.69	28.69	28.6
	SD	.271	.261	.249	.232	.194	.170	.134	.149	.180	.24
	TOT OBS	2479	2261	2480	2400	2479	2399	2478	2480	2399	247

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

ON NAME: K. I. SAWYER AFB MI PERIOD OF RECORD: AUG 78 - JUL 88
D UTC: + 5

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
28.65	28.62	28.65	28.63	28.67	28.69	28.69	28.68	28.67	28.63	28.66
.245	.227	.190	.169	.132	.150	.175	.238	.258	.270	.221
310	300	310	300	310	310	300	310	300	310	3653
28.64	28.61	28.64	28.62	28.67	28.69	28.69	28.67	28.67	28.64	28.65
.248	.236	.194	.175	.136	.152	.181	.244	.259	.272	.225
310	300	310	300	310	310	299	310	299	310	3651
28.65	28.62	28.66	28.64	28.68	28.70	28.70	28.68	28.67	28.64	28.66
.252	.246	.198	.179	.141	.155	.185	.250	.265	.277	.230
310	300	310	299	310	310	300	310	300	310	3652
28.66	28.63	28.66	28.65	28.68	28.71	28.71	28.69	28.68	28.65	28.67
.256	.249	.202	.178	.142	.155	.188	.253	.271	.279	.233
310	300	310	300	310	310	300	310	300	310	3651
28.65	28.63	28.65	28.64	28.67	28.70	28.69	28.68	28.66	28.63	28.66
.256	.240	.197	.171	.136	.150	.185	.245	.272	.282	.230
310	300	310	300	310	310	300	310	300	310	3652
28.63	28.61	28.63	28.63	28.66	28.68	28.67	28.67	28.65	28.62	28.65
.248	.227	.191	.163	.130	.145	.178	.236	.267	.279	.223
310	300	309	300	310	310	300	310	300	310	3651
28.64	28.62	28.63	28.62	28.66	28.68	28.68	28.68	28.67	28.64	28.65
.245	.216	.187	.158	.127	.141	.175	.231	.262	.277	.219
310	300	310	300	309	310	300	309	300	310	3651
28.65	28.63	28.65	28.64	28.67	28.69	28.69	28.69	28.67	28.64	28.66
.245	.214	.187	.161	.125	.143	.173	.236	.261	.273	.218
310	300	310	300	309	310	300	310	299	310	3651
28.65	28.62	28.65	28.63	28.67	28.69	28.69	28.68	28.67	28.64	28.66
.249	.232	.194	.170	.134	.149	.180	.242	.265	.276	.225
2480	2400	2479	2399	2478	2480	2399	2479	2398	2480	29212


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PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNW

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: + 5

PERIOD OF REC
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES +

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	5.4			930	5.4	.1		930	4.7	.3		930
CATEGORY B	8.0	1.4	.1	1005	7.9	2.3	.1	1010	6.3	2.[illegible]	.3	1022

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	11.2	.8		930	9.1	.5		930	4.9	.3		930
CATEGORY B	15.0	3.2	.7	1021	15.1	3.8	.3	1044	8.8	1.9	.2	1040

TIME (LST)	0600 - 2000				ALL HOURS		
SPEED KTS	GE10	GE17	GE25	OBS	GE10	GE17	GE25
CATEGORY A	7.1	.5		4650	6.5	.3	
CATEGORY B	10.9	2.7	.4	5189	9.8	2.4	.3

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 009-189

NAME: K. I. SAWYER AFB MI
TC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: JAN

GORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

GORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

	0300 - 0500				0600 - 0800				0900 - 1100			
OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
930	5.4	.1		930	4.7	.3		930	5.7	.4		930
1005	7.9	2.3	.1	1010	6.3	2.0	.3	1022	9.3	2.4	.6	1062

	1500 - 1700				1800 - 2000				2100 - 2300			
OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
930	9.1	.5		930	4.9	.3		930	5.7	.3		930
1021	15.1	3.8	.3	1044	8.8	1.9	.2	1040	7.6	2.0	.3	999

	0600 - 2000				ALL HOURS			
OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
4441	7.1	.5		4650	6.5	.3		7440
5203	10.9	2.7	.4	5189	9.8	2.4	.3	8203

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: + 5

PERIOD OF RECORD
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SP

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	2.3	.1		349	2.1			849	2.6			849
CATEGORY B	3.3	1.3	.1	911	3.3	.3		900	3.5	.9		915

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	3.4	.1		849	7.1	.5		849	3.9	.2		849
CATEGORY B	10.0	3.4		909	9.3	2.6	.3	923	5.5	1.9	.2	910

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	
CATEGORY A	5.2	.2		4245	4.3	.1		6
CATEGORY B	6.8	2.1	.1	4569	5.6	1.8	.1	7

ERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 009-189

ME: K. I. SAWYER AFB MI
: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: FEB

KY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

KY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

	0300 - 0500				0600 - 0800				0900 - 1100			
S	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
.9	2.1			849	2.6			849	4.1	.1		849
11	3.3	.3		900	3.5	.9		915	5.8	1.6	.1	912

	1500 - 1700				1800 - 2000				2100 - 2300			
S	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
49	7.1	.5		849	3.9	.2		849	3.3	.1		849
09	9.3	2.6	.3	923	5.5	1.9	.2	910	4.2	2.0	.1	913

0600 - 2000				ALL HOURS			
GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
5.2	.2		4245	4.3	.1		6792
6.3	2.1	.1	4569	5.6	1.8	.1	7293

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECOR
LST TO UTC: + 5 MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SI

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	1.8	.3		930	2.2	.1		930	2.5	.1		930
CATEGORY B	4.0	.6	.3	993	4.3	1.1	.1	988	4.3	1.0	.1	1011

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	7.3	.8		930	6.7	1.3	.1	930	3.8	.2		930
CATEGORY B	12.9	4.3	.8	1021	12.0	4.1	.9	1007	6.5	1.3	.3	994

TIME (LST)	0600 - 2000				ALL HOURS		
SPEED KTS	GE10	GE17	GE25	OBS	GE10	GE17	GE25
CATEGORY A	4.9	.6	.0	4650	3.9	.4	.0
CATEGORY B	8.8	2.6	.5	5068	7.2	2.0	.3

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 009-189

NAME: K. I. SAWYER AFB MI
TZ: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: MAR

COPY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

COPY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

	0300 - 0500				0600 - 0800				0900 - 1100			
OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
930	2.2	.1		930	2.5	.1		930	4.3	.5		930
988	4.3	1.1	.1	988	4.3	1.0	.1	1011	8.0	2.2	.2	1035

	1500 - 1700				1800 - 2000				2100 - 2300			
OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
930	6.7	1.3	.1	930	3.3	.2		930	2.6	.2		930
1021	12.0	4.1	.9	1007	5.5	1.3	.3	994	5.1	1.1	.1	995

0600 - 2300				ALL HOURS			
GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
4.9	.6	.0	4459	3.9	.4	.0	7440
9.4	2.6	.4	5063	7.2	2.0	.3	8044

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HE

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: + 5

PERIOD OF RECORD:
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPEC

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	2.0	.6		900	1.8	.7		900	2.2	.7		900
CATEGORY B	3.2	1.4	.6	952	2.7	1.6	.4	953	3.9	1.3	.5	959

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	6.2	.6		900	7.1	.7		900	3.8	.3		900
CATEGORY B	12.0	4.1	.6	944	11.8	4.2	.5	950	7.1	1.9	.1	949

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OB
CATEGORY A	5.0	.5		4500	3.8	.5		720
CATEGORY B	8.3	2.9	.4	4758	6.7	2.3	.4	760

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 009-189

AME: K. I. SAWYER AFB MI
C: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: APR

RY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

RY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

	0300 - 0500				0600 - 0800				0900 - 1100			
KTS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
000	1.8	.7		900	2.2	.7		900	5.4	.1		900
953	2.7	1.6	.8	953	3.9	1.3	.5	959	9.2	2.8	.1	956

	1500 - 1700				1800 - 2000				2100 - 2300			
KTS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
000	7.1	.7		900	3.8	.3		900	1.7	.1		900
944	11.8	4.2	.5	950	7.1	1.9	.1	949	3.6	.9	.1	939

	0600 - 2000				ALL HOURS			
GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
5.0	.5		4500	3.8	.5		7200
8.4	2.9	.4	4758	6.7	2.3	.4	7602

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: + 5

PERIOD OF RECOR
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + S

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	1.6			930	1.4			930	1.0			930
CATEGORY B	2.5	.8		971	2.0	.8	.1	980	2.4	.3	.1	999

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	4.1			930	3.8	.4		930	1.9			930
CATEGORY B	8.2	1.9		977	6.4	2.1	.4	971	3.3	1.1		972

TIME (LST)	0600 - 2000				ALL HOURS		
SPEED KTS	GE10	GE17	GE25	OBS	GE10	GE17	GE25
CATEGORY A	2.9	.1		4650	2.3	.1	
CATEGORY B	5.6	1.4	.1	4915	4.2	1.1	.1

RCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 009-189

E: K. I. SAWYER AFB MI
+ 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: MAY

Y A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

Y B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

	0300 - 0500				0600 - 0800				0900 - 1100			
-6	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
0	1.4			930	1.0			930	4.0			930
1	2.0	.8	.1	980	2.4	.3	.1	999	7.7	1.5		996

	1500 - 1700				1800 - 2000				2100 - 2300			
6	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
0	3.8	.4		930	1.9			930	.6			930
1	6.4	2.1	.4	971	3.3	1.1		972	1.2	.2		972

0600 - 2000				ALL HOURS			
GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
2.9	.1		4650	2.3	.1		7440
5.6	1.4	.1	4915	4.2	1.1	.1	7838

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: + 5

PERIOD OF RECORD
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SP

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	.2			900	.3			900	2.0			900
CATEGORY B	1.1	.2		949	.6			945	3.1	.8	.1	963

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	6.6	.6		900	6.7	.4		900	3.2	.2		900
CATEGORY B	13.2	3.7	.5	941	10.9	3.7	.4	945	6.1	1.7	.5	924

TIME (LST)	0600 - 2000				ALL HOURS		
SPEED KTS	GE10	GE17	GE25	OBS	GE10	GE17	GE25
CATEGORY A	4.5	.3		4500	2.9	.2	
CATEGORY B	8.2	2.3	.4	4713	5.4	1.5	.2

ERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 009-189

ME: K. I. SAWYER AFB MI
: + 6

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: JUN

RY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

RY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

	0300 - 0500				0600 - 0800				0900 - 1100			
S	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
0	.3			900	2.0			900	3.9	.1		900
49	.6			945	3.1	.8	.1	963	7.9	1.6	.3	940

	1500 - 1700				1800 - 2000				2100 - 2300			
S	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
0	6.7	.4		900	3.2	.2		900	.2			900
41	10.9	3.7	.4	945	6.1	1.7	.5	924	.6	.1		927

0600 - 2000				ALL HOURS			
GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
4.5	.3		4500	2.9	.2		7200
3.2	2.3	.4	4713	5.4	1.5	.2	7534

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECOR
LST TO UTC: + 5 MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + S

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	.3			930	.1			930	.1			930
CATEGORY B	.3			993	.2			1012	.5			1024

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	5.7			930	4.2			930	2.6			929
CATEGORY B	10.1	2.1		1002	6.9	1.0		992	3.0	.3		967

TIME (LST)	0600 - 2000				ALL HOURS		
SPEED KTS	GE10	GE17	GE25	OBS	GE10	GE17	GE25
CATEGORY A	3.2			4648	2.1		
CATEGORY B	5.2	.7		4974	3.4	.5	.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 009-189

NAME: K. I. SAWYER AFB MI
UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0000	0300 - 0500				0600 - 0800				0900 - 1100			
OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
930	.1			930	.1			930	3.2			930
993	.2			1012	.5			1024	5.5	.2		989

1200	1500 - 1700				1800 - 2000				2100 - 2300			
OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
930	4.2			930	2.6			928	.6			927
1002	6.9	1.0		992	3.0	.3		967	1.2	.4	.1	970

0600 - 2000				ALL HOURS			
GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
3.2			4648	2.1			7435
5.2	.7		4974	3.4	.5	.0	7949

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORI
LST TO UTC: + 5 MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SI

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	.4			930	.3			930	.6			930
CATEGORY B	.7			999	1.0	.2		1003	1.3	.3		1029

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	7.4	.1		930	7.5			930	2.4	.2		930
CATEGORY B	13.5	2.5	.1	998	11.5	2.7		986	4.2	1.0	.1	990

TIME (LST)	0600 - 2000				ALL HOURS		
SPEED KTS	GE10	GE17	GE25	OBS	GE10	GE17	GE25
CATEGORY A	4.3	.1		4650	2.8	.1	
CATEGORY B	7.4	1.5	.0	5017	5.0	1.0	.0

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 009-189

STATION NAME: K. I. SAWYER AFB MI
UTC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0200				0300 - 0500				0600 - 0800				0900 - 1100			
G	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
	930	.3			930	.6			930	3.4	.1		930
	999	1.0	.2		1003	1.3	.3		1029	6.7	1.0		1014

1400				1500 - 1700				1800 - 2000				2100 - 2300			
G	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
	930	7.5			930	2.4	.2		930	.4			930
	998	11.5	2.7		986	4.2	1.0	.1	990	1.1	.1		985

0600 - 2000				ALL HOURS			
GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
4.3	.1		4650	2.8	.1		7440
7.4	1.5	.0	5017	5.0	1.0	.0	8004

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORI
LST TO UTC: + 5 MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SI

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	1.0			900	.7			900	.3			900
CATEGORY B	2.1	.2		974	1.4			1001	2.2	.2		1016

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	7.9	.1		900	6.6	.3		900	2.0	.1		900
CATEGORY B	13.1	2.4	.4	987	10.6	3.3	.2	992	3.6	.8	.1	979

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	
CATEGORY A	4.3	.1		4500	3.1	.1		7
CATEGORY B	7.5	1.6	.2	4972	5.4	1.1	.1	7

ERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 009-189

E: K. I. SAWYER AFB MI
: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: SEP

FY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

FY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

	0300 - 0500				0600 - 0800				0900 - 1100			
GE	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
[illegible]	.7			900	.3			900	4.8	.1		900
[illegible]4	1.4			1001	2.2	.2		1016	8.3	1.2	.1	998

	1500 - 1700				1800 - 2000				2100 - 2300			
GE	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
[illegible].0	6.6	.3		900	2.0	.1		900	1.6	.1		900
[illegible]7	10.6	3.3	.2	992	3.6	.8	.1	979	2.3	.5	.1	969

	0500 - 2000				ALL HOURS			
	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
	4.3	.1		4500	3.1	.1		7200
	7.5	1.6	.2	4972	5.4	1.1	.1	7916

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNET

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: + 5

PERIOD
MONTH:

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOU

TIME (LST)	0300 - 0200				0300 - 0500				0600 -		
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE2
CATEGORY A	1.6	.1		930	1.5	.1		930	2.0		
CATEGORY B	4.0	.4	.1	1006	2.1	1.1	.1	1005	3.2	.9	

TIME (LST)	1200 - 1400				1500 - 1700				1800 -		
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE2
CATEGORY A	9.2	.4		930	7.3	.2		930	2.0	.1	
CATEGORY B	14.2	4.2	.4	1009	11.1	3.1	.1	1000	4.9	1.3	

TIME (LST)	0600 - 2000				ALL	
SPEED KTS	GE10	GE17	GE25	OBS	GE10	GE17
CATEGORY A	4.9	.2	.0	4650	3.5	.2
CATEGORY B	8.4	2.2	.2	5036	6.5	1.6

CENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 009-189

: K. I. SAWYER AFB MI
+ 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: OCT

A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

0300 - 0500				0600 - 0800				0900 - 1100			
GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
1.5	.1		930	2.0			930	4.9	.3	.1	930
2.1	1.1	.1	1005	3.2	.8		1037	8.9	1.8	.3	1038

1500 - 1700				1800 - 2000				2100 - 2300			
GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
7.3	.2		930	2.0	.1		930	1.3			930
11.1	3.1	.1	1000	4.9	1.3		1002	3.5	.5		1000

0600 - 2000				ALL HOURS			
10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
.9	.2	.0	4650	3.6	.2	.0	7440
.4	2.2	.2	5086	6.5	1.6	.1	8097

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNW

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: + 5

PERIOD OF REC
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES +

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	4.7	.1		900	4.4	.3		900	3.8			900
CATEGORY B	6.1	2.4	.2	967	6.6	1.9	.5	977	4.7	1.9	.1	1027

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	10.2	.2		900	6.9	.1		900	5.0	.1		900
CATEGORY B	15.4	4.3	.3	1027	11.7	3.7		987	7.1	2.7	.1	969

TIME (LST)	0600 - 2000				ALL HOURS		
SPEED KTS	GE10	GE17	GE25	OBS	GE10	GE17	GE25
CATEGORY A	6.4	.1		4500	5.8	.2	
CATEGORY B	9.6	3.0	.2	5026	8.4	2.7	.2

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 009-189

NAME: K. I. SAWYER AFB MI
TC: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: NOV

CRY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CRY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

	0300 - 0500				0600 - 0800				0900 - 1100			
OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
900	4.4	.3		900	3.8			900	5.9	.1		900
957	6.6	1.9	.5	977	4.7	1.9	.1	1027	9.0	2.6	.3	1016

	1500 - 1700				1800 - 2000				2100 - 2300			
OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
900	6.9	.1		900	5.0	.1		900	5.2	.2		900
927	11.7	3.7		987	7.1	2.7	.1	969	6.4	2.0	.1	957

0600 - 2000				ALL HOURS			
GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
6.4	.1		4500	5.8	.2		7200
9.6	3.0	.2	5026	8.4	2.7	.2	7927

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI PERIOD OF RECORD
LST TO UTC: + 5 MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SP

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	5.1	.1		930	3.9			930	3.1			930
CATEGORY B	6.8	1.8	.1	970	5.7	1.9	.1	964	4.7	.7		963

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	11.6	.6		930	9.6	.4		930	6.2	.3		930
CATEGORY B	15.8	3.8	.2	967	14.3	3.5	.2	960	9.8	2.4	.4	980

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	
CATEGORY A	7.2	.3		4650	6.2	.2		7
CATEGORY B	10.5	2.4	.2	4938	9.0	2.2	.2	7

ERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 009-189

ME: K. I. SAWYER AFB MI
: + 5

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: DEC

KEY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

KEY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

	0300 - 0500				0600 - 0800				0900 - 1100			
S	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
30	3.9			930	3.1			930	5.3			930
70	5.7	1.9	.1	964	4.7	.7		963	7.9	1.5		968

	1500 - 1700				1800 - 2000				2100 - 2300			
S	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
30	9.6	.4		930	6.2	.3		930	4.7	.1		930
7	14.3	3.5	.2	960	9.8	2.4	.4	980	7.5	2.3	.3	964

0600 - 2000				ALL HOURS			
GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
7.2	.3		4650	6.2	.2		7440
10.5	2.4	.2	4838	9.0	2.2	.2	7736

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HE

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AF3 MI
LST TO UTC: + 5

PERIOD OF RECORD:
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPEC

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	2.2	.1		10959	2.0	.1		10959	2.1	.1		10959
CATEGORY B	3.5	.9	.1	11690	3.2	.9	.2	11738	3.3	.8	.1	11965

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000			
SPEED (KTS)	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
CATEGORY A	7.9	.4		10959	6.9	.4	.0	10959	3.5	.2		10957
CATEGORY B	12.8	3.3	.3	11803	11.0	3.2	.3	11757	5.8	1.5	.2	11676

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OB
CATEGORY A	5.0	.2	.0	54793	3.9	.2	.0	8766
CATEGORY B	8.2	2.1	.2	59125	6.4	1.7	.2	9414

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 009-189

E: K. I. SAWYER AFB MI
+ S

PERIOD OF RECORD: AUG 78 - JUL 88
MONTH: ALL

Y A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

Y B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

	0300 - 0500				0600 - 0800				0900 - 1100			
	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
A	2.0	.1		10959	2.1	.1		10959	4.6	.2	.0	10959
B	3.2	.9	.2	11738	3.3	.8	.1	11965	7.9	1.7	.2	11924

	1500 - 1700				1800 - 2000				2100 - 2300			
	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
A	5.9	.4	.0	10959	3.5	.2		10957	2.3	.1		10956
B	11.0	3.2	.3	11757	5.8	1.5	.2	11676	3.7	1.0	.1	11590

	0600 - 2000				ALL HOURS			
	GE10	GE17	GE25	OBS	GE10	GE17	GE25	OBS
A	3.0	.2	.0	54793	3.9	.2	.0	87667
B	8.2	2.1	.2	59125	6.4	1.7	.2	94143

```
PPPPPPPP        AAAAAA      RRRRRRRR        TTTTTTTTTT        HH      HH
PPPPPPPPP      AAAAAAAA     RRRRRRRRR       TTTTTTTTTT        HH      HH
PP      PP     AA    AA     RR      RR          TT            HH      HH
PP      PP     AA    AA     RR      RR          TT            HH      HH
PPPPPPPPP      AA    AA     RRRRRRRRR           TT            HHHHHHHHHH
PPPPPPPP       AAAAAAAAAA     RRRRRRR          TT            HHHHHHHHHH
PP             AAAAAAAAAA     RR   RR          TT            HH      HH
PP             AA    AA     RR    RR          TT            HH      HH
PP             AA    AA     RR     RR         TT            HH      HH
PP             AA    AA     RR      RR        TT            HH      HH
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PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.
CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

ASTERISKS (****) DENOTE A MISSING MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED AUTOMATICALLY.

HEATING DEGREE DAYS.
ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.
ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATU

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI
LST TO UTC: + 5

PERIOD OF RECO

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	
1957	841	1396	1299	769	502	199	61	133	357	628	1
1958				386	574	319	81	137	285	508	
1959										310	1
1960	1429	1339	1467	779	447	195	99	90	284	587	
1961	1553	1206	1124	791	493	165	41	49	260	579	
1962	1687	1496	1157	831	360	228	117	109	369	538	
1963	1334	1533	1264	742	507	152	60	166	300	327	
1964	1369	1383	1365	793	353	261	66	204	347	633	
1965	1475	1539	1449	878	406	261	201	141	440	663	1
1966	1745	1367	1167	690	576	146	28	116	298	657	1
1967	1499	1559	1261	800	635	154	121	137	268	706	1
1968	1581	1524	1120	748	538	237	127	166	198	545	
1969	1475	1338	1371	784	515	358	74	23	243	745	1
1970	1767	1504	1344	773	593	192	81	124	323	534	1
1972								194	437	791	1
1973	1499	1376	1014	866	643	132	107	94	375	484	
1974	1616	1532	1314	807	580	246	66	120	475	593	
1975	1526	1302	1330	969	344	172	74	71	440	607	
1976	1696	1277	1274	753	588	122	77	124	376	813	1
1977	1330	1396	1057	699	231	213	61	189	294	662	1
1978	1620	1497	1325	903	404	241	126	102	280	662	1
1979	1726	1612	1294	850	595	198	73	156	309	763	1
1980	1578	1511	1332	747	340	215	36	49	321	748	
1981	1494	1240	1091	756	540	163	76	71	344	714	
1982	1355	1460	1279	899	259	273	26	149	318	567	
1983	1392	1169	1160	903	615	186	30	33	237	612	

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

ION NAME: K. I. SAWYER AFB MI
T DIFF UTC: + 5

PERIOD OF RECORD: JAN 57 - JUL 88

MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
[illegible]	769	502	199	61	133	357	628	1030	464	7669
	396	574	319	81	137	285	508		115	2405
							310	1253	1111	2674
[illegible]47	779	447	195	99	90	284	587	929	1530	9164
[illegible]4	791	493	165	41	49	260	579	972	1448	8783
[illegible]57	631	360	228	117	109	368	538	926	1381	9198
[illegible]4	742	507	152	60	166	300	327	882	1591	9458
[illegible]5	793	353	261	66	204	347	633	945	1541	9265
[illegible]	878	406	261	201	141	440	663	1020	1279	10001
[illegible]7	690	576	146	28	116	298	657	1046	1335	9374
[illegible]1	800	635	154	121	137	268	706	1129	1350	9668
[illegible]	748	538	237	127	166	198	545	998	1415	9197
71	744	515	358	74	29	263	745	1040	1393	9386
44	773	593	192	81	124	323	584	1006	1382	9677
					194	437	791	1087	1612	4121
[illegible]4	666	643	132	107	94	378	484	999	1381	9023
[illegible]4	807	530	246	65	120	475	693	962	1319	9720
[illegible]	869	344	172	74	71	440	607	914	1492	9261
[illegible]76	753	588	122	77	124	376	813	1136	1609	9845
[illegible]67	699	231	213	61	189	294	662	1013	1466	9120
[illegible]	903	404	241	125	102	280	662	1049	1593	9803
[illegible]84	850	595	198	73	159	309	763	1060	1286	9984
[illegible]2	747	340	215	36	49	321	748	962	1390	9229
[illegible]81	756	540	163	76	71	344	714	845	1329	8663
[illegible]75	899	259	273	26	149	313	567	985	1251	9321
[illegible]69	903	615	186	30	33	237	612	906	1621	8854

1984	1698	1143	1404	720	515	110	84	66	350	523
1985	1586	1447	1129	699	429	270	130	141	312	613
1986	1526	1360	1181	693	377	270	69	133	303	608
1987	1311	1057	977	576	331	71	42	84	188	774
1988	1644	1541	1256	777	373	154	27			
MEAN	1381	1224	1087	706	426	185	70	108	292	582
SD	564.04	489.82	434.44	254.29	178.27	85.32	43.86	59.75	115.90	191.54

404	720	515	110	84	66	350	523	953	1341	8907
129	699	429	270	130	141	312	613	1082	1633	9471
181	693	377	270	69	133	303	608	1063	1246	8829
977	576	331	71	42	84	188	774	952	1244	7607
256	777	373	154	27						5772
087	706	426	185	70	108	292	582	910	1257	
.44	254.29	178.27	85.32	43.86	59.75	115.90	191.54	308.47	442.94	

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATI

STATION NUMBER: 727435 STATION NAME: K. I. SAWYER AFB MI

LST TO UTC: + 5

PERIOD OF RECC

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
1957						41	108	56	14	
1958					2	5	50	66	10	
1960						17	62	67	31	
1961						46	111	104	57	
1962					43	21	33	48	4	6
1963						97	126	35	3	1
1964					19	50	110	43	6	
1965					7	19	27	34		3
1966						81	161	54	16	
1967						22	51	30	17	
1968						23	68	77	12	18
1969					14	12	76	136	19	
1970						43	107	60	18	
1972								29		
1973						11	50	98	38	3
1974					5	9	92	32	4	
1975					28	50	149	70		
1976						44	49	102	31	
1977					30	24	106	23		
1978					24	21	44	57	25	
1979						15	107	26	15	
1980					17	52	93	73	6	
1981					1	10	93	49	6	
1982					11	4	102	49	30	
1983						78	200	130	53	
1984					2	29	43	85		

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

N NAME: K. I. SAWYER AFB MI
UTC: + 5

PERIOD OF RECORD: JAN 57 - JUL 88

YAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
			41	108	56	14				219
		2	5	50	66	10				133
			17	62	67	31				177
			46	111	104	57				318
		43	21	33	48	4	6			155
			97	126	35	3	1			262
		19	50	110	43	6				228
		7	19	27	38		3			94
			81	161	54	16				312
			22	51	30	17				120
			23	68	77	12	18			198
		14	12	76	138	19				259
			43	107	60	18				228
					29					29
			11	50	98	38	3			200
		5	9	92	32	4				142
		28	50	149	70					297
			44	49	102	31				226
		30	24	106	23					183
		24	21	44	57	25				171
			15	107	26	15				163
		17	52	98	73	6				246
		1	10	93	49	6				159
		11	4	102	49	30				196
			78	200	130	53				461
		2	29	43	85					159

1985		2	6	35	39	22	
1986		12	14	131	27	2	
1987	4	49	101	166	74	19	
1988		28	92	144			
MEAN	0	9	32	84	55	14	0
SD	.13	13.63	29.66	50.87	34.21	15.31	3.32

	2	6	35	39	22		104
	12	14	131	27	2		186
4	49	101	166	74	19		413
	28	92	144				264
0	9	32	84	55	14	0	
.13	13.63	29.66	50.87	34.21	15.31	3.32	

A W S

CLIMATIC BRIEF

MAR 89

STATION NAME: K. I. SAWYER AFB MI
LATITUDE/LONGITUDE: 46 21 N 087 24 W
HOURLY OBS POR: AUG 78 - JUL 88
SUMMARY OF DAY POR: OCT 56 - DEC 57, APR 58 - OCT 58, OCT 59 - JUL 88
HOURS SUMMARIZED: 0000 - 2300 LST
LST TO UTC: +05

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
EXTRM MAX TEMP (F)	47	55	68	84	94	102	101	95	94
MEAN MAX TEMP (F)	19.9	23.3	32.6	47.0	60.9	70.2	75.8	72.8	63.6
MEAN TEMP (F)	12.2	14.7	24.1	37.9	49.8	59.0	64.9	62.7	54.6
MEAN MIN TEMP (F)	4.3	5.8	15.1	28.3	38.3	47.4	53.7	52.1	45.0
EXTRM MIN TEMP (F)	-27	-30	-22	-3	17	25	32	30	21
D/W TEMP GE 80 (F)	0	0	0	#	2	5	10	7	2
D/W TEMP GE 75 (F)	0	0	0	1	5	10	18	13	5
D/W TEMP LT 33 (F)	31	28	29	22	10	1	#	#	2
D/W TEMP LT 0 (F)	11	10	4	#	0	0	0	0	0
HEATING DEGREE DAYS	1381	1224	1087	706	426	185	70	108	292
COOLING DEGREE DAYS				#	9	32	84	55	14
MEAN DEWPOINT TEMP (F)	6.1	9.1	17.5	27.8	37.7	47.1	55.0	54.5	47.7
MEAN WET BULB TEMP (F)	12.4	15.3	23.4	34.5	44.7	53.0	59.6	58.2	51.1
99.95% WCPA (FT)	2050	1950	1950	1900	1800	1700	1550	1600	1700
MEAN REL HUM 07 LST(%)	72.4	74.0	76.5	76.6	74.3	75.6	80.7	86.1	86.9
MEAN REL HUM 13 LST(%)	66.2	64.1	63.3	57.2	52.2	53.5	55.7	62.3	66.6
MAX 24HR PRECIP (IN)	1.76	1.44	1.80	2.20	2.39	2.63	3.29	2.74	2.31
MAX PRECIP (IN)	4.96	3.45	4.81	5.99	6.87	9.29	9.00	7.82	7.66
MEAN PRECIP (IN)	2.07	1.80	2.33	2.68	2.96	3.24	3.42	3.52	4.02
MIN PRECIP (IN)	.81	.31	.48	.65	.10	.49	1.06	.34	1.23
D/W PRECIP GE .01 (IN)	17	14	13	11	12	12	10	11	13
D/W PRECIP GT .50 (IN)	1	1	1	1	2	2	2	2	3
MAX 24HR SNFL (IN)	23.8	17.9	21.0	9.9	3.0	#	#	#	3.0
MAX SNFL (IN)	92.8	48.1	45.6	25.6	4.9	#	#	#	3.4
MEAN SNFL (IN)	30.6	23.8	22.9	7.6	.9	#	#	#	.1
D/W SNFL GE .1 (IN)	17	13	11	5	1	0	0	0	#
D/W SNFL GE 1.5 (IN)	6	5	4	1	1	0	0	0	#
MAX DLY SNO DEPTH (IN)	50	43	39	30	4	0	0	0	4
MEAN SFC WND DIR (DEG)	330	360	360	360	030	180	$210	210	210
MEAN WND SPD (KTS)	7.5	6.7	8.2	7.7	6.5	6.4	5.5	5.7	6.4
MAX WND SPD (KTS)	58	56	53	59	60	54	56	43	43
SKY COVER GT 1/2 (%)	73.0	72.4	68.0	61.7	58.0	55.2	51.0	56.4	62.0
D/W THUNDERSTORMS	#	#	1	1	3	6	7	6	4
D/W FOG (VSBY LT 7 MI)	10	9	12	11	11	12	13	15	17

LEGEND: ANN = ANNUAL
D/W = MEAN NUMBER OF DAYS WITH
& = BASED ON LESS THAN FULL MONTHS
** = INSTANTANEOUS PEAK WINDS
* = DATA NOT AVAILABLE
POR/YOR = PERIOD/YEARS OF RECORD
WCPA = WORST CASE MAXIMUM PRESSURE
# = LESS THAN 0.5 DAYS OR TRACE
$ = PERCENTAGE OF CALM WINDS GRE
WIND DIRECTION

I. SAWYER AFB MI
: 46 21 N 087 24 W
UG 78 - JUL 88
: OCT 56 - DEC 57, APR 58 - OCT 58, OCT 59 - JUL 88
0000 - 2300 LST

FIELD ELEV: 1220 FT
STATION MSC: 727435
CALL SIGN: KSAW

SUPERCEDES: NOV 84

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
5	68	84	94	102	101	95	94	81	69	57	102	30
3.3	32.6	47.0	60.9	70.2	75.8	72.8	63.6	52.7	37.2	25.2	48.8	30
4.7	24.1	37.9	49.8	59.0	64.9	62.7	54.6	44.5	31.1	18.8	39.9	30
5.8	15.1	28.3	38.3	47.4	53.7	52.1	45.0	35.7	24.5	12.0	30.5	30
0	-22	-3	17	25	32	30	21	12	-6	-23	-30	30
0	0	#	2	5	10	7	2	1	0	0	27	30
0	0	1	5	10	18	13	5	1	0	0	53	30
8	29	22	10	1	#	#	2	13	25	30	191	30
0	4	#	0	0	0	0	0	0	1	5	31	30
24	1087	706	426	185	70	108	292	582	910	1257	8228	30
		#	9	32	84	55	14	#			194	30
.1	17.5	27.8	37.7	47.1	55.0	54.5	47.7	35.4	24.2	13.3	31.4	10
.3	23.4	34.5	44.7	53.0	59.6	58.2	51.1	39.7	29.2	18.5	36.7	10
0	1950	1900	1800	1700	1550	1600	1700	1900	2000	2050	1850	10
.0	76.5	76.6	74.3	75.6	80.7	86.1	86.9	83.2	77.7	76.1	78.4	10
.1	63.3	57.2	52.2	53.5	55.7	62.3	66.6	65.0	67.7	70.5	62.0	10
.44	1.80	2.20	2.39	2.63	3.29	2.74	2.31	2.71	2.56	1.70	3.29	30
8.45	4.81	5.99	6.87	9.29	9.00	7.82	7.66	7.14	7.04	5.83	47.61	30
.80	2.33	2.68	2.96	3.24	3.42	3.52	4.02	2.95	2.72	2.50	34.75	30
.31	.48	.65	.10	.49	1.06	.34	1.23	.91	.98	.72	25.41	30
4	13	11	12	12	10	11	13	13	14	17	157	30
1	1	1	2	2	2	2	3	1	1	1	18	30
.9	21.0	9.9	3.0	#	#	#	3.0	5.1	11.8	16.2	23.8	30
.1	45.6	25.6	4.9	#	#	#	3.4	14.8	40.6	70.9	248.4	30
.3	22.9	7.6	.9	#	#	#	.1	3.2	16.8	31.1	137.0	30
3	11	5	1	0	0	0	#	3	10	16	76	30
3	4	1	1	0	0	0	#	1	3	6	27	30
3	39	30	4	0	0	0	4	6	27	38	50	30
0	360	360	030	180	$210	210	210	210	210	210	210	10
.7	8.2	7.7	6.5	6.4	5.5	5.7	6.4	6.7	7.2	7.2	6.8	10
6	53	59	60	54	56	43	43	54	57	49	60	27
.4	68.0	61.7	58.0	55.2	51.0	56.4	62.0	70.6	76.0	76.3	65.3	10
7	1	1	3	6	7	6	4	1	1	#	30	30
9	12	11	11	12	13	15	17	15	13	11	149	30

ITH
ULL MONTHS
INDS

POR/YOR = PERIOD/YEARS OF RECORD
WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE
# = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE
$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION

PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBIL

	MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT
	LST										
	00 - 02	53.0	42.3	41.0	24.8	19.9	15.3	11.4	22.7	32.6	35.
	03 - 05	51.1	43.3	45.2	29.2	23.2	16.2	18.5	30.6	36.0	39.
CIG	06 - 08	54.7	46.2	47.0	32.9	24.3	18.4	20.1	33.0	37.1	42.
LT 3000 FT	09 - 11	55.3	47.1	47.4	33.2	24.7	18.0	16.5	30.4	37.4	42.
AND	12 - 14	49.8	45.2	45.8	29.7	20.0	14.0	11.2	23.4	34.3	39.
VSBY	15 - 17	44.9	41.1	41.1	24.4	16.7	11.8	8.8	20.5	29.6	36.
LT 3 MI	18 - 20	44.1	40.8	38.4	24.0	14.6	9.6	8.6	17.5	27.3	31.
	21 - 23	47.6	40.0	38.8	23.1	14.9	11.7	9.4	19.4	29.8	32.
	ALL	50.1	43.3	43.1	27.7	19.8	14.4	13.1	24.7	33.0	37.
	00 - 02	33.2	30.4	29.2	18.2	16.3	12.0	10.2	18.8	25.3	24.
	03 - 05	32.4	31.9	31.3	21.8	17.4	11.7	16.1	26.8	27.6	27.
CIG	06 - 08	33.8	33.2	34.5	25.4	18.3	13.0	18.1	29.0	29.9	30.
LT 1500 FT	09 - 11	38.7	35.0	35.9	23.9	16.2	11.1	10.8	21.9	27.6	28.
AND	12 - 14	34.0	31.1	31.9	18.3	12.4	7.6	6.3	13.2	20.3	21.
VSBY	15 - 17	29.2	24.0	28.6	14.1	9.5	5.7	5.8	11.7	18.0	16.
LT 3 MI	18 - 20	30.3	22.1	27.1	14.3	10.1	6.6	5.4	11.7	20.2	17.
	21 - 23	30.1	26.1	27.4	17.0	11.4	8.9	7.3	13.5	22.4	21.
	ALL	32.7	29.2	30.8	19.1	14.0	9.6	10.0	18.3	23.9	23.
	00 - 02	23.4	21.9	24.3	15.9	13.8	10.1	8.0	17.1	21.8	18.
	03 - 05	23.0	23.8	26.6	18.0	15.2	9.6	12.8	23.3	24.8	21.
CIG	06 - 08	25.1	23.9	27.5	20.6	12.7	9.4	13.8	23.8	25.1	24.
LT 1000 FT	09 - 11	27.7	25.2	29.2	19.6	12.3	7.6	6.0	17.0	21.3	21.
AND	12 - 14	24.3	20.4	24.9	14.4	9.9	4.8	3.4	8.4	15.4	13.
VSBY	15 - 17	20.0	16.8	21.8	10.8	7.3	3.3	3.5	6.6	13.8	10.
LT 2 MI	18 - 20	20.9	15.8	20.8	10.4	7.7	4.1	3.6	8.1	16.1	13.
	21 - 23	21.2	18.1	22.2	13.4	9.0	6.4	5.6	11.9	19.1	14.
	ALL	23.2	20.7	24.7	15.4	11.0	6.9	7.1	14.5	19.7	17.
	00 - 02	1.9	2.4	3.7	3.6	2.6	1.3	2.2	4.6	4.2	2.
	03 - 05	1.5	3.2	4.1	5.6	2.7	2.0	3.3	7.3	4.7	2.
CIG	06 - 08	2.3	4.1	3.9	5.7	2.3	1.7	2.9	4.8	4.4	4.
LT 200 FT	09 - 11	4.1	4.2	5.4	3.2	1.0	.4	.2	.6	1.6	2.
AND	12 - 14	3.0	3.7	4.7	1.0	.1	.4	.0	.2	.8	1.
VSBY	15 - 17	3.9	2.1	4.1	1.1	.0	.4	.0	.0	.6	.
LT 1/2 MI	18 - 20	2.0	2.6	4.0	1.8	.4	.3	.2	.3	2.0	.
	21 - 23	1.6	1.5	3.4	2.4	1.8	.7	.5	.9	3.2	1.
	ALL	2.5	3.0	4.2	3.0	1.4	.9	1.2	2.4	2.7	1.

HURRICANE/TROPICAL STORMS OBSERVED FOR THE PERIOD : NONE

A/B	JAN	FEB	MAR	APR	MAY	JUN
60NM	/	/	/	/	/	/
120NM	/	/	/	/	/	/

A/B	JUL	AUG	SEP	OCT	NOV	DEC	ANN
60NM	/	/	/	/	/	/	
120NM	/	/	/	/	/	/	

PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY

FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
42.3	41.0	24.8	19.9	15.3	11.4	22.7	32.6	35.2	49.9	55.9	33.7	10
43.3	45.2	29.2	23.2	16.2	18.5	30.6	36.0	39.8	50.1	56.2	37.0	10
46.2	47.0	32.9	24.3	18.4	20.1	33.0	37.1	42.7	54.1	58.2	39.5	10
47.1	47.4	33.2	24.7	18.0	16.5	30.4	37.4	42.2	54.3	56.1	39.0	10
45.2	45.8	29.7	20.0	14.0	11.2	23.4	34.3	39.8	49.3	54.8	35.2	10
41.1	41.1	24.4	16.7	11.8	8.8	20.5	29.6	36.8	46.6	51.5	31.4	10
40.8	38.4	24.0	14.6	9.6	8.6	17.5	27.3	31.5	44.8	51.4	29.6	10
40.0	38.8	23.1	14.9	11.7	9.4	19.4	29.8	32.8	46.3	53.8	30.9	10
43.3	43.1	27.7	19.8	14.4	13.1	24.7	33.0	37.6	49.4	54.7	34.2	10
30.4	29.2	18.2	16.3	12.0	10.2	18.8	25.3	24.4	27.3	31.9	25.9	10
31.9	31.3	21.8	17.4	11.7	16.1	26.8	27.6	27.7	27.4	30.9	28.3	10
33.2	34.5	25.4	18.3	13.0	18.1	29.0	29.9	30.0	30.9	34.6	30.9	10
35.0	35.9	23.9	16.2	11.1	10.8	21.9	27.6	28.1	31.2	36.1	29.6	10
31.1	31.9	18.3	12.4	7.6	6.3	13.2	20.3	21.4	28.2	34.6	24.5	10
24.0	28.6	14.1	9.5	5.7	5.8	11.7	18.0	16.6	26.4	31.0	21.0	10
22.1	27.1	14.3	10.1	6.6	5.4	11.7	20.2	17.6	27.1	30.8	21.1	10
26.1	27.4	17.0	11.4	8.9	7.3	13.5	22.4	21.6	25.0	30.9	22.7	10
29.2	30.8	19.1	14.0	9.6	10.0	18.3	23.9	23.4	28.0	32.6	22.6	10
21.9	24.3	15.9	13.8	10.1	9.0	17.1	21.8	18.2	20.8	25.1	20.5	10
23.8	26.6	18.0	15.2	9.5	12.8	23.3	24.8	21.8	20.6	23.3	22.6	10
23.9	27.5	20.6	12.7	9.4	13.8	23.8	25.1	24.0	22.3	25.6	23.7	10
25.2	29.2	19.6	12.3	7.6	6.0	17.0	21.3	21.2	23.0	27.8	22.3	10
20.4	24.9	14.4	9.9	4.8	3.4	8.4	15.4	13.8	21.8	25.7	17.6	10
16.3	21.8	10.8	7.3	3.3	3.5	6.6	13.8	10.9	21.0	21.2	14.8	10
15.3	20.8	10.4	7.7	4.1	3.6	8.1	16.1	13.3	18.4	21.9	15.2	10
18.1	22.2	13.4	9.0	6.4	5.6	11.9	19.1	14.9	18.3	23.5	17.2	10
20.7	24.7	15.4	11.0	6.9	7.1	14.5	19.7	17.3	20.8	24.3	17.1	10
2.4	3.7	3.6	2.6	1.3	2.2	4.6	4.2	2.5	2.3	2.6	4.5	10
3.2	4.1	5.6	2.7	2.0	3.3	7.3	4.7	2.3	3.1	3.2	5.5	10
4.1	3.9	5.7	2.3	1.7	2.9	4.8	4.4	4.3	3.2	3.4	5.6	10
4.2	5.4	3.2	1.0	.4	.2	.6	1.6	2.8	4.3	4.3	4.5	10
3.7	4.7	1.0	.1	.4	.0	.2	.8	1.0	2.6	3.8	3.2	10
2.1	4.1	1.1	.0	.4	.0	.0	.6	.6	1.2	2.8	2.6	10
2.6	4.0	1.8	.4	.3	.2	.3	2.0	.3	.7	2.7	2.7	10
1.5	3.4	2.4	1.8	.7	.5	.9	3.2	1.2	1.6	3.2	3.3	10
3.0	4.2	3.0	1.4	.9	1.2	2.4	2.7	1.9	2.4	3.3	2.4	10

VED FOR THE PERIOD : NONE

JAN	FEB	MAR	APR	MAY	JUN
/	/	/	/	/	/
/	/	/	/	/	/

JUL	AUG	SEP	OCT	NOV	DEC	ANN
/	/	/	/	/	/	
/	/	/	/	/	/	